KETZA PROJECT 1988 REGIONAL PROGRAM
YUKON MINERALS CORPORATION
NTS 105 F/10, YUKON

Paul Ramaekers November, 1988

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November 30, 1988

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SUMMARY

A prospecting and regional mapping program was carried out intermittently by a two man crew from May 6 to August 30, 1988 for a total of 29 days. The purpose of the program was to document shows found in previous years and to continue with prospecting and mapping the property. The program covered the most promising of the well exposed alpine areas, in total about 30 percent of the Ketza project area. Results are shown on map 1.

A total of 53 shows containing galena as well as 22 shows of quartz veins with freibergite were mapped. This includes previously known showings. These shows can be placed in about 22 groups containing closely associated occurrences. When the geology of the area is considered these groups can be placed in seven more or less unrelated trends, shown on map 1.

VERSLUCE TREND The best explored trend is the Versluce trend. It is a series of fault related shows hosted by two faults dipping towards each other and probably forming a graben. Groundhog, and the Number 2 and 3 shows, the BT, and the Station R8-8-1 all form part of this trend. It extends for a distance of about six kilometers in a northwesterly direction from the Number 2 showing. The Versluce trend is marked by prominent white quartz veins, variably bearing freibergite and galena.

CARIBOO TREND The next most important series of shows known at this time can be grouped in the Cariboo trend. This trend runs parallel to the Versluce trend about one kilometer to the northeast, and can be followed for about two kilometers on the Ketza property. The Jenny, the Ray, some shows in trenches at the very edge of the property south of the Number One show all are part of this trend. Major white quartz veins are associated with this trend, especially at the Ray zone.

LUCKY TREND This trend has in preliminary reports been a part of a larger group of shows labelled the Groundhog trend. As this name invites confusion with the Groundhog show in the Versluce trend the name "Groundhog trend" is dropped, and because of geological differences the shows previously placed in the Groundhog trend have been placed in two separate trends, the Lucky and the Sheep trends.

The Lucky, PN, MF, Jill, and Bill shows may all be grouped in the Lucky trend. Mineralization is once again in northwesterly trending faults, and again, as in the Versluce and Cariboo trends, it is associated with very prominent white quartz veins. The Lucky trend lies about four kilometers southwest of the Versluce trend, and along strike has been delineated for a distance of 1 1/2 kilometers. Both ends of the trend are on unexplored ground. Massive white barren quartz veins, similar to the one between the Lucky and the PN shows occur along strike of this trend to the northwest for a distance

of 3 km beyond the limits of mineralization found to date. Although the mineralized faults themselves strike northwesterly, most of the shows (7) in the Lucky trend line up in a northeasterly direction over a distance of 1 km.

PIKA TREND A few shows occur from 1 to 2 km south of the Versluce trend, also in northwesterly trending structures, but offset somewhat to the southeast from the Versluce trend. Limited work thus far suggests that they are not in the same structures as the Versluce trend, and therefore they are here grouped as the Pika trend.

Airphoto lineaments, probably representing two parallel steeply dipping to vertical faults connect this show to a series of galena and freibergite bearing fracture zones in dolomites and quartz veins (the Pownall zone) at the northern end of the Ketza property. The total distance of this zone along these lineaments is 9 km, making it the longest traceable trend on the property.

SHEEP TREND The Sheep trend lies 1 km south of the Lucky and is parallel to it. The trend at the Sheep zone consists of a series of carbonate hosted northwest trending quartz veins dipping towards each other in a manner similar to the main faults in the Versluce trend. The quartz veins are freibergite bearing. Between them are a series of north trending mineralized faults and a major northeasterly trending fault zone, showing intense silicification, corroded quartz stockwork and limonitic alteration very similar to what is found at the surface in the wallrock alteration around the Number 2 zone vein.

The Cirque and neighbouring shows also have north and northeast trending mineralized fracture and fault directions. The area between the Cirque and the Sheep zones shows promising limonitic zones, but has not been prospected in detail. A prominent airphoto lineament joining the Cirque group of shows and the Sheep zone is present. The Sheep trend has been followed for a distance of 4 km to the southern boundary of the Ketza property. Mineralized zones occur along this trend on the neighbouring property to the south.

NO.1 AND DOUBLE P TRENDS The Number 1 zone and the Double P zone show north- and northeast trending strikes respectively. They both may be representative of markedly different structures than those occurring in the Versluce, Cariboo, and Lucky trends. Further work is required on these zones before a definite interpretation of these areas is possible. They are here named the No.1 and Double P trends for discussion purposes.

STRAT TREND The Strat zone is a strataform zone of lead-zinc and minor silver mineralization which is hosted by the Cambrian (or older) phyllites and is quite different from all other shows in the area. Its main significance at present lies in that it proves that significant mineralization may be hosted by the phyllites, and hence that these units should be prospected as well. The stratabound nature of the show is a good prospecting tool; it requires the mapping of the internal stratigraphy of the Cambrian phyllites, a task not as yet begun.

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STRUCTURAL STYLES OF MINERALIZATION

Three types of structural styles of mineralization have been noted on the Ketza Property thus far.

1) Nearly all of the shows, including all the ones that have been trenched or drilled occur at the contact between Mississippian-early Devonian dolomites and overlying late Devonian black shales. The blocking effect of the impermeable shales on solutions rising through the much more fractured and permeable carbonates probably played a major part in the formation of the deposits. A number of deposits such as the Double P zone occur below an impermeable cap of Cambrian phyllites that are thrust over the younger carbonates.

2) The Ray zone on the contrary is developed in a fault marked by large quartz veins and lies well below the level of the shale carbonate contact. The mechanism of precipitation of the metals probably was quite different here. There is a large barren gap of about 100 m between the level of the Ray zone mineralization and of the overlying carbonate-shale contact mineralization also present near the Ray zone. It suggests that many of the other shows in the area may also be underlain by further mineralization at a deeper level even though there is a barren gap below the carbonate-shale contact mineralization.

3) The third type of mineralization is strataform lead-zinc mineralization in the Cambrian (or older) phyllites. It has the potential for large tonnage deposits. Around the vent areas of this type of deposits often a core of pyrrhotite is precipitated. In the Ketza area gold mineralization is intimately associated with pyrrhotite, thus, this type of deposit may also have possibilities for gold mineralization.

STAGES OF MINERALIZATION

A pilot study using factor analysis of multielement data from 12 shows indicates that from a chemical point of view there are four types of mineralization present on the Ketza property. All of these probably represent separate mineralization events. Note that most of the major shows on the propery were not included in this study.

The oldest is the stratabound mineralization, characterized by its stratabound nature, low silver or gold, and lack of faulting.

The oldest hydrothermal mineralization may be the gold/arsenic/tin mineralization evident in MB, Ray, NofJenny, and Horn shows. Although no multielement data is available the Sheep zone may also fall in this category.

Probably younger is the tungsten, zinc, cadmium, tin and copper mineralization found in the Lucky, Ray, North Pika and Cariboo shows.

The latest mineralization stage is probably the lead, silver, antimony, and minor gold event found in the PS, PSS, Double P, Cariboo, NofJenny, Horn and MB shows (among the shows studied).

RECOMMENDATIONS

1) More detailed prospecting and detailed mapping is required in all zones. In the Versluce, Cariboo, Sheep and Lucky trends this should be done on a development scale level involving detailed mapping. In the No.1, Double P, Pika and for the strataform mineralization work should concentrate on prospecting.

2) Work on valley bottoms and creek beds should be done to help locate Ray zone type mineralization at lower elevations, particularly in areas near carbonate-shale contact mineralization.

3) A significant amount of trenching is needed to evaluate shows in the Cariboo, Versluce, Lucky and Sheep trends.

4) The only area where drilling can be begun on very short notice is the remaining unexplored extent of the Versluce trend, in particular the Number 2 zone south.

5) Prospecting for the potentially large tonnage stratiform type deposits that may occur in the Cambrian phyllites should be intensified. Work to date has established that this kind of mineralization does occur on the property. Whether any large deposits are present can only be established by prospecting. It is noteworthy that the existing show did not have an associated stream sediment anomaly in the creeks draining it.

6) In the Ketza district gold has been associated with pyrrhotite both at Canamax and at Comox. The stratiform deposits of the sedex type often have a pyrrhotite core at the vent location. The stratiform show on the Ketza property has a significant amount of pyrite with it.

The best chances for gold mineralization on the Ketza property may lie in finding the pyrrhotite rich vent areas from which the stratiform mineralization was precipitated.

Both points 5 and 6 indicate the necessity for detailed prospecting of the phyllites on the Ketza property. As these cover about 1/3 of the property they form a major target.

7) More work has to be done on the Strat zone to see if we can learn something about the nature of the density-temperature relationships at the time of formation of the mineralized zone. Better understanding of this may give some clues about the distribution of mineralized zones and their spatial relation to the vent area (which is the best gold target).

8) Prospecting for pyrrhotite concentrations in the Cambrian phyllites will be facillitated by the use of mag maps. The effectiveness of a mag survey should be evaluated.

9) A multielement factor analysis study of the major shows should be done to obtain a better understanding of the stages of mineralization and of the patterns of mineralization of lead/silver, zinc, and gold mineralization.

WORK DONE

A prospecting and regional mapping program was carried out intermittently by a two man crew from May 6 to August 30, 1988 for a total of 29 days. (May 6, June 28, 29, July 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, Aug 6, 9, 10, 15, 16, 17, 18, 21, 22, 24, 26, 28, 29, 30) Four of these days were only partial days due to poor weather. The main reason for the intermittent nature of the prospecting program was the manpower requirement of drill program, particularly the need to construct and maintain sumps.

The purpose of the program was to document shows found in previous years and to continue with prospecting and mapping the property. The program covered the most promising of the well exposed alpine areas, in total about 30 percent of the Ketza project area. About 80 percent of the alpine area with exposed carbonates was prospected at least cursorily. Very little work was done in the valleys, even in carbonate areas. Results are shown on map 1.

Because a large area had to be covered in a relatively short time attention was focussed on prospecting. No serious effort was made to walk out and map lithologic boundaries, whether stratigraphic or fault controlled unless mineralization was apparent along them. As a result the geology used on map 1 is largely the product of work by Abbot (1986), amended where our work indicated the necessity for changes.

A total of 53 shows containing galena as well as 22 shows of quartz veins with freibergite were mapped. This includes previously known showings. These shows can be placed in about 22 groups containing closely associated occurrences. When the geology of the area is considered these groups can be placed in seven more or less unrelated trends, shown on map 1 and discussed in the section on mineral shows.

Trenching was carried out both as an aid in mapping the geology and alterations in thickly covered terrain, and to find the bedrock source of float mineralization; 12480 cubic yards of trench was excavated from 7200 yards of trenching.

MAJOR GEOLOGIC FEATURES OF THE KETZA AREA

LITHOLOGIC UNITS

The stratigraphy and structural geology was found to be more or less as indicated in Abbott (1986) in the areas prospected, and Abbott's lithologic designations and divisions were used on Map 1. The major stratigraphic difference found was that an area of carbonates in the southwestern corner of the project area was found to be of Silurian-Devonian carbonates rather than the possibly upper Cambrian carbonates indicated by Abbott.

A pyritic sandstone is consistently present at the top of the carbonates in the southern half of the property, and in several areas as float in the

northern half of the Ketza property. It is probably present throughout. Other sandstone units, some pyritic, may be present within the SD dolomites and within the Silurian phyllitic dolomite but lack of good exposure makes this uncertain. A sandstone unit with a thickness of at least 200 m is present in the northeastern corner of the map area. It seems to underly the SD dolomites conformably. It apparently overlies a thick unit of thinly laminated shales or phyllites. Neither of these units is in its depositional sequence if they are correlated with the Silurian quartzites and thinly laminated phyllitic dolomites of Abbott (1986).

Lithofacies of the Silurian-early Devonian Dolomites and their Environment of Deposition

The detailed mapping around the Number 2 and 3 zones have used a number of subdivisions for the Silurian-early Devonian carbonates that are indicated in the legend of Map 1 as carbonate lithofacies. On Abbott's map these are referred to as lenses and this implies possible lateral equivalence. Whether these lithofacies form a consistent stratigraphic sequence on the Ketza property remains to be seen, but is unlikely. If this could be proven it would form a useful aid to structural interpretation. More detailed mapping is needed to establish this.

Thin section work shows that the carbonates are interbedded with detrital quartz bearing units both of sand and silt size. The units grade from almost pure carbonates to limy sandstones, although carbonate rich strata form the vast majority. Most of the diagenetic changes indicate a removal of silica and replacement by carbonate. Thus to describe the carbonates as "silicified" which implies that silica was introduced rather than removed is misleading. "Siliceous" is a better term.

The petrology, and the primary sedimentary structures of the siliceous, strongly crossbedded units suggests a relatively near-shore tidal environment of deposition for the crossbedded units, in which mud banks (the phyllitic dolostone) may alternate laterally with tidal channels and small deltaic bars (the crossbedded deposits). The units rich in Amphipora and other stromatoporoids probably represents shallow shelf, lagoonal, and patch reef environments somewhat further from the coastline. The entire package suggests a regressive sequence with shallowing water. The fact that an erosional hiatus terminates the sequence supports this view.

The phyllites listed as Cambrian by Abbott (1986) are internally much contorted, often with repetitive recumbent folding, and show a markedly higher metamorphic grade than the overlying silts and shales in the younger strata. The possibility that they are older Proterozoic Windermere age rocks should not be overlooked. Many of the Cambrian phyllites and carbonates in the neighbouring Wolf Lake map sheet have recently been reclassified as Windermere in age.

MAJOR GEOLOGIC STRUCTURES

Not enough stratigraphic contacts are accurately defined by mapping at this time for the structural interpretations to be very definite. This holds for Abbott's original map, and for our update of it.

The largest most important structures are generally not mapped at all. This is because they caused physically weak shear zones that were preferentially excavated by erosion. They now form the major valley bottoms. Often, in the passes between two valleys indications for these fault zones may be found, as breccia zones or just as lithologically out of place float.

After the season was over the 1:10000 scale coloured airphotos became available. These have allowed definition of many structures in the lowlying areas that have little or no topographic expression. The fault symbols and the occasional stratigraphic boundary given on map 1 in unmapped areas have been made from the airphoto study.

The mapping carried out this year has complicated rather than simplified Abbot's map. About a dozen stratigraphic inconsistencies on Abbot's map indicate that the mapping and the structural analysis provided by his map is in need of revision. In many areas the structural interpretation hinges on the mapping of the covered and unmapped valley areas. These form about 60 % of the property and the geology of the area is complex. Under these circumstances guessing at the geology is an exercise in futility and leads to the inconsistencies evident in Abbot's map. Such an interpretation may still be useful to generate speculative models for mineral exploration (which was Abbot's purpose), but one can not find specific deposits on a specific property with erroneous maps.

Until the valley bottoms have been mapped it is better to leave these areas blank on the map and provide an accurate statement of work done rather than guess at the geology here and provide a false impression of confidence. This is particularly true for the central low-lying area of the property that forms the core of the Ketza uplift in Abbot's interpretation.

Strike-Slip Faulting

From an economic point of view the most significant structural finding of this summer's work was to define and map the major faults that host the shows in the Versluce, Pika, and Lucky trends and to establish their probable continuity over a distances of 6, 9, and 4 kilometers respectively.

Only the Versluce trend faults are reasonably well mapped at this time. They may be called the No. 2 (the western one) and the No. 3 faults (the eastern one of the pair) after the mineralized zones that have formed in them. The Versluce fault system at the surface consists of two subparallel faults striking northwest and dipping towards each other. At depth they meet and at present their relationship below this point is uncertain. The junction point is exposed south of the Number 2 and 3 zones, probably on both sides of the valley; these areas have not been mapped in detail and are only moderately well exposed at best. The valley south of the Number 2 and 3 zones itself is

probably fault related and this may obscure the nature of the mineralized zone.

The Ray zone may be similar and illustrate the type of faulting involved. At the Ray zone a verticl fault marked by thick white, largely barren quartz veins bifurcates upwards, resulting in several parallel faults. Slickensides indicate that the late stages of fault movement had a significant, if not predominant strike-slip component. This is not surprising as the strike of the fault is parallel to the Tintina trench, a major strike-slip fault system. Studies of strike-slip systems (Wilcox et al. 1973) indicate the common occurrence of such lenses of material bounded by faults with minor vertical and predominantly transcurrent movement.

The amount of movement along these faults may have been in the order of tens of metres. Much larger movements would have resulted in more obvious lithologic juxtapositions than are present.

To the north of the Pownall zone the Devonian sequence is abruptly terminated in the next valley bottom by a northwest trending major fault, typical of the east to northeast trending valleys of the area. This normal or possibly also thrust faulting preceded the northwest strike-slip faulting associated with the mineralization. The little work was done last summer in the Cambrian phyllites to the north established that the No. 2 fault continues into the Cambrian phyllites there. One float occurrence of mineralization over the No.2 fault has been found in the Cambrian thrusted phyllites in this area.

Thrust Faulting

The identification of Abbot's possibly Cambrian carbonates as Silurian-early Devonian necessitates some rethinking of the location and number of thrust sheets present in the southwest corner of the Ketza property.

Evidently one thrust sheet runs to the east of the carbonates in question separating what must be overlying phyllites (rather than the conformably underlying phyllites of Abbot) from the SD carbonates.

The reality of the other thrusts just to the east is in doubt. It depends largely on the nature of what Abbott has tentatively mapped as Ordovician and Silurian black graptolitic shales and minor chert. The limited work done by us indicates the presence of grey phyllitic rock in at least part of the area. This is similar to the lower or underlying units seen in the drilling at the Number 2 and 3 zones, and may be part of the SD carbonate sequence or more likely Abbott's Ss unit, consisting of grey weathering platey, thinly laminated dolomitic siltstone. No graptolites were seen. The attitude of these rocks is not known due to poor exposure limited to creek beds. At present, the presence of only one thrust sheet is established with certainty, but up to three may be present.

Folding and Grabens

The Ketza property is located on the crest of an arch, described as the Seagull Uplift by Abbott (1986). By and large on the west side of the property most units dip steeply to the west and on the east side they dip to the east. The Lucky trend and the southern end of the Versluce and Pika trends lie in the central, more or less level part of the crest of this dome. The center of the dome is occupied by Cambrian phyllites, and is described as a horst by Abbott. In this interpretation, the mineralized SD carbonates have been removed by erosion from the central part of the Ketza uplift. Detailed mapping of the contact zone of the phyllites should be able to prove Abbott's contention. South of the Ketza property the lack of younger units and the exposure of lower Cambrian carbonates and phyllites over a large area indicates that Abbot's interpretation here is probably correct.

However, on the Ketza property, in some places the juxtaposition of different stratigraphic horizons along faults indicate subsidence in at least part of this central horst. For example, stratigraphic relations at the north-south fault 300 m west and northwest of the PN show indicate that the PN-Lucky area has been downdropped at least 100 m.

As there is or was an overlying thrust sheet (the Seagull thrust of Abbott 1986) such subsidence in the Lucky area might result in the dropping of the Cambrian phyllites of the upper Seagull thrust sheet into the central part of the Ketza uplift.

If this is so, then the SD carbonates are present in the crest of the dome, but are located under the Cambrian phyllites. This is significant from an economic point of view because the best mineralization is generally present in the crest of anticlines or domes. Further detailed mapping of the contact zones of the Cambrian phyllites, and the Ordovican and lower Silurian units might establish if this is the case. These are precisely the units that are most poorly mapped because they outcrop in low areas and are generally covered.

The lack of younger units at the southern boundary of this graben where it borders on the central part of the uplift showing no sign (thus far; the area has not been mapped) of a late graben suggests that a major east to northeast trending fault would have to be present there. This area is marked by a prominent valley and is at present not mapped in most places. On the only ridge in the area it is mapped, and here northeast trending faults are present, showing both normal and strike-slip movement.

If there is a graben present in the center of the Ketza arch, then reworking of the buried deposits in the SD carbonates may have given rise to a whole series of shows along vertical faults juxtaposing shales and carbonates along the edges of this graben. Examples may be the BP, the Horn, and other shows on the boundary of the Lucky and Sheep trends.

The subsidence of the central part of the Ketza uplift perhaps is due to partial emptying of the magma chamber postulated by Abbott, or perhaps to strike-slip pull-apart faulting associated with the large scale late dextral

faulting in the region.

A similar structure on a smaller scale is formed by the graben between the No. 2 and No. 3 faults of the Versluce trend. At the No.2 and No.3 mineralized zones the graben forms in the crest of a minor anticline. Mineralization along the structures in the Versluce trend is best (in so far as is known to date) precisely where these structures intersect the crest of this anticline. In this case the graben probably formed as a result of movement along the No. 2 and No. 3 faults, both of which are probably strike-slip faults.

STRUCTURAL STYLES OF MINERALIZATION

FAULT BOUNDED MINERALIZATION

The two main styles of mineralization on the property are fault hosted mineralization and the stratabound mineralization found thus far only in the Strat zone on the Ketza property. The fault bounded mineralization can be subdivided into two types based on their relation to carbonate shale contacts.

Carbonate-shale contact related mineralization

Most of the known shows on the Ketza property occur just below the upper Devonian-Mississippian shales (uDM shales hereafter), where the fault system reaches the upper limit of the dark grey to black Amphipora rich dolomite (SD dolomites). The carbonates are more brittle than the shales and as a result are more intensely faulted and fractured than the shales.

This setting by itself is similar to and at the same stratigraphic level as the Pine Point lead-zinc deposits South of Great Slave Lake where the dolomites of the Pine Point Formation are overlain unconformably by the black shales of the Horn River Formation. In such a setting disseminated scattered occurrences of lead-zinc mineralization are common, but generally not economic. However, they may have been one of the sources for the mineralization concentrated by the hydrothermal systems that occurred in the Ketza area.

In the hydrothermal system the carbonate-shale contact acted as a cap, impeding fluid flow and resulting in increased precipitation of lead-zinc minerals.

On the Ketza property all shows but the Ray (and some of the occurrences in the Cariboo trend at lower elevation), the Strat, and possibly the Jill occur in this environment. The No. 1, the Double P, the Pownall also occur below an impervious cap which in these cases is formed by the overthrusted Cambrian phyllites.

Ray zone type mineralization

The second setting for fault hosted mineralization is exemplified by the Ray zone. Here, at a low elevation lead and zinc mineralization is found in a vertical fault marked by a large prominent quartz vein. The quartz vein itself is largely barren and up to 3 m thick and bifurcates and fans out upwards. Veins up to 10 cm wide of galena in places with sphalerite run parallel and very close to the quartz. Lead and zinc mineralization is found only at the base of the exposure. The quartz vein carries very minor amount of freibergite higher up, but galena and sphalerite were not found above the shows at the base of the cliff exposure until the carbonate-shale contact is approached 100 m higher up. At this level, and lateral on both sides of the Ray zone lie a series of shows just below the carbonate shale contact including the Jenny, the PS and PSS shows.

The situation is similar to that in the Lucky trend where a massive vertical barren quartz vein marking a prominent fault is flanked by a series of galena-spalerite veins parallel to it and at the carbonate-shale contact, i.e. the MF, Lucky, PN, Jill and several other shows between them. However, the base of the PN and Lucky area has not been examined due to blasting operations in the area this summer.

This occurrence of fault-hosted mineralization entirely within the carbonates, and at a lower topographic level, suggests that a different precipitation mechanism was responsible for this type of deposit. It is noteworthy that on the neighbouring ground to the southeast lead-zinc mineralization has been found in what is the Cariboo trend at a similar low elevation in several locations. Possibly the boiling level in the hydrothermal systems on the Ketza property was at a level below that of the carbonate-shale contact in the area, and at, and below the elevation of the Ray zone.

If this is the case, than mineralization may be expected at two levels in most of the faults carrying mineralization: at the carbonate-shale contact, and lower down within the carbonates. If the situation at the Ray zone is typical then a barren gap of about 50-100 m may be expected between these two levels of mineralization in most of the Versluce, Cariboo, and Lucky trends.

Another possible mechanism of ore formation may be that mineralization occurs where the strike-slip faults bifurcate, perhaps due to the greater availability of open space, or greater fracture permeability. In this case pods or shoots of mineralization may be expected wherever these junctions occur. As Wilcox et al (1973) show, wrench faults consist of a series of anastomosing fault slices, and in this case the likelyhood that there are a series of deposits at varying levels along the strike-slip faults should be considerable.

STRATIFORM MINERALIZATION

The Strat zone is a stratiform unit of quartz-carbonate rich Cambrian phyllite with laminar and disseminated fine grained galena, sphalerite, and

minor chalcopyrite, pyrite, and silver. Grab samples show up to 14 % combined Pb - Zn with 1 oz/ton silver.

The mineralization is not obviously related to faulting. It follows the moderately strongly folded bedding of the phyllites at that location.

The limited work done to date suggests similarities with sedex deposits: the stratiform nature of the showing, the lack of faulting, and the low silver-lead ratio that is totally unlike that of the other shows on the property.

An interesting note is that this show, although it has considerable surface exposure, does not give rise to a stream-sediment geochemical anomaly in the creek draining it. This may be simply due to sampling error, but if it is typical of this type of deposit in this area, then the lack of geochemical stream sediment anomalies in areas draining phyllites may not necessarily be important.

The main importance of the Strat zone at present is that it proves the presence of stratiform mineralization in the Cambrian phyllites. As the phyllites form about 30% of the surface area of the property this considerably increases the potential of the property.

The sedex deposits are often characterized by pyrrhotite deposition near the vent areas. So far such zones have not been found, although it should be remembered that no prospecting has been done in the phyllites. In the Ketza area gold mineralization is often found in close association with pyrrhotite, for example at Canamax. Thus, stratiform mineralization with significant gold values may also be expected and should be looked for on the Ketza property. The presence of minor gold anomalies on the property suggests the same.

More work has to be done on the Strat zone to see if we can learn something about the nature of the density-temperature relationships at the time of formation of the mineralized zone. Better understanding of this may give some clues about the distribution of mineralized zones and their spatial relation to the vent area (which is the best gold target).

MINERAL SHOWS

The mineral shows found thus far have been grouped based on their proximity to each other, their relation to a particular structure, the orientations of the structure that were mineralized and the type of mineralization present in them. Details about individual shows are given in Table 1.

VERSLUCE TREND

The best explored trend is the Versluce trend in the north-central part of the property. Groundhog, the Number 2 and 3 shows, and the BT all form part

of this trend. It extends for a distance of about six kilometers in a northwesterly direction from the Number 2 showing. The zone can be traced to the north-central limit of the property, where it is lost in heavily covered north slopes. It can be followed through major northeast trending fault zone in the northern part of the property, and the thrustsheet covering the norhtern limit of the propery. Thus, it appears that the faults forming the zone developed during a relatively young phase of deformation, after the thrust faulting and the major northeast trending faulting whose existence led to the development of the Groundhog creek valley and its tributaries.

The Versluce trend is a series of fault related shows hosted by two faults dipping towards each other and probably forming a graben. The faults were probably part of a broad wrench fault system, with strike-slip movement predominating. As in the Cariboo and Lucky trends, the large white quartz veins may mark the main faults, or perhaps the levels at which the fault slices anastomose. The southern end of the Versluce trend reaches into the central part of a domal structure. It is here that the Number 2 and 3 zones are located and the largest concentrations of mineralization have been found to date.

The Versluce trend is marked by prominent white quartz veins, variably bearing freibergite and galena in relatively minor amounts, although the assay values of selected freibergite rich samples can be spectacular. Most of the large quartz veins lie in the footwall of the number 3 zone, to the immediate east of the mineralized areas in this trend.

Near its northern mapped limit at Station R8-8-1 phyllitic float was found containing galena and freibergite at a site directly overlying the trace of the Versluce trend faults. This suggests the presence of mineralization below the thrust sheet.

CARIBOO TREND

The next most important series of shows known at this time can be grouped in the Cariboo trend. This trend runs parallel to the Versluce trend about one kilometer to the northeast, and can be followed for about two kilometers on the Ketza property. The Jenny, Ray, Spur, MB and some shows in trenches at the very edge of the property south of the Number One show all are part of this trend.

The Cariboo trend lies in the northeast flank of the Seagull uplift in moderately to steeply northeasterly dipping strata. Major white quartz veins are associated with this trend, especially at the Ray zone and they lie at the locus of prominent wrench faults, where these fan out and bifurcate upwards. The south end of the trend lies on the northern limit of a northwesterly trending fault system causing intense brecciation. The valley southeast of the Cariboo trend marks the location of this fault system.

LUCKY TREND

This trend has in preliminary reports been a part of a larger group of shows labelled the Groundhog trend. As this name invites confusion with the Groundhog show in the Versluce trend the name "Groundhog trend" is dropped,

and because of geological differences the shows previously placed in the Groundhog trend have been placed in two separate trends: the Lucky and the Sheep trends.

The Lucky trend lies about four kilometers southwest of the Versluce trend, and along strike has been delineated for a distance of 1 1/2 kilometers. Both ends of the trend are on unexplored ground. The Lucky, PN, MF, Jill, and Bill shows may all be grouped in the Lucky trend.

Mineralization in the Lucky trend is once again in northwesterly trending steeply dipping faults, and again, as in the Versluce and Cariboo trends, it is associated with very prominent white quartz veins. The Lucky trend lies in relatively level lying rocks near the crest of the Seagull Uplift. Massive white barren quartz veins, similar to the one between the Lucky and the PN shows occur along strike of this trend to the northwest for a distance of 3 km beyond the limits of mineralization found to date. This suggests that a major structure may extend beyond the limits of mineralization found thus far.

Although the mineralized faults of the Lucky trend themselves strike northwesterly, most of the shows (7) in the Lucky trend line up in a northeasterly direction over a distance of 1 km. Mafic dike rock has been found along this direction in float, and a dike may lie along this northeasterly trend. However, this is not proven by an adequate series of outcrops at present.

SHEEP TREND

The Sheep trend lies 1 km south of the Lucky and is parallel to it. The trend has been followed for a distance of 4 km to the southern boundary of the Ketza property. Mineralized zones occur along this trend on the neighbouring property. The northern limit of the trend seems to be the Groundhog Creek valley, which probably marks a major fault.

The Sheep trend at the Sheep zone consists of a series of carbonate hosted northwest trending quartz veins dipping towards each other in a manner similar to the main faults in the Versluce trend. The quartz veins are freibergite bearing.

Between the quartz veins are a series of north trending mineralized faults and a major northeasterly trending fault zone, showing intense silicification, corroded quartz stockwork and limonitic alteration. The whole has an appearance very similar to the wallrock alteration around the Number 2 zone vein as it appeared in the excavation in mid august, 1988.

The Cirque and neighbouring shows also have north and northeast trending mineralized fracture and fault directions. The area between the Cirque and the Sheep zones shows promising limonitic zones, but has not been prospected in detail.

The Sheep trend is largely composed of small fault slices juxtaposing Devonian-Mississippian shales and the Silurian-early Devonian carbonates. A number of the shows, e.g. the Horn and the BP in the bordering Lucky trend, are formed at the fault contacts between the two rock types.

PIKA TREND

A few shows occur from 1 to 2 km south of the Versluce trend. They are hosted by northwesterly and north trending structures, similar in attitude to those in the Versluce trend, but offset somewhat to the southeast from the latter. Limited work thus far suggests that they are not in the same structures as those that carry the mineralization in the Versluce trend, and therefore they are here grouped as the Pika trend.

Airphoto study indicates a series of parallel lineaments trending northwest that parallel the Versluce trend intermittently. They are most prominent at the northern part of the property, becoming less continuous to the south. This may be because there the faults are hosted by phyllites, and the overburden is much thicker. The Pownal zone, and several other shows to the south are along one of these lineaments.

If these lineament can be proved to be continuous, these faults are major structures, with a strike length of 9 km on the Ketza property. Galena has been found at both ends of this belt.

NO.1 TREND

The Number 1 zone lies at the eastern margin of the Ketza property, about 1 km northeast of the No. 3 zone. It lies on the border of the SD-carbonates and several other stratigraphic units at major north trending fault. Very little work was done on the zone, and that only incidental to surveying. It is located at a fault with significant vertical displacement judging by the juxtaposition of several stratigraphic units near the show. This, together with its position lateral to the Cariboo trend indicate that an important different structure is involved. For this reason it is regarded here as a separate trend.

DOUBLE P TREND

The Double P zone lies in the northwestern corner of the Ketza property. It can be traced over a distance of 1 1/2 km. It is terminated at both ends by faulting that places Cambrian phyllites against the carbonates hosting the show.

The Double P zone shows a northeast trending strike, which is shared by neighbouring prominent white quartz veins. The zone is marked by prominent quartz veins, although generally not massive like those in the Versluce and Cariboo or Lucky trends. The trend lies well to the west of the Versluce and Cariboo trends and to the north of the Lucky trend. Further work is required on this zone before a definite interpretation of the area is possible.

STRAT TREND

The Strat zone is a stratiform zone of lead-zinc and minor silver mineralization that is hosted by the Cambrian (or older) phyllites and is quite different from all other shows in the area. Its main significance at present lies in that it proves that significant mineralization may be hosted by the phyllites, and hence that these units should be prospected as well. The stratabound nature of the show is a good prospecting tool; it requires the mapping of the internal stratigraphy of the Cambrian phyllites, a task not as yet begun.

The Strat "trend" is not marked on the map because it is of fundamentally different nature than the others. From what is known at present stratiform mineralization could occur anywhere within the Cambrian phyllites.

TRENCHING

Seven thousand two hundred (7200) yards of trenches were excavated for the regional program involving a total of 13695 cubic yards of material. Trenching was carried out at a number of locations for two main purposes:

1) Long trenches were made in areas of heavy overburden to expose soil in order to determine the stratigraphic level of the underlying bedrock. This was done in in areas of heavy overburden lying along strike of faults in the mineralized trend areas. Four sets of trenches of this type were made totalling 9600m in length and involving 12480 cubic yards of excavation.

2) Short trenches were made over shows in float in an attempt to find the mineralization in bedrock and the determine the strike and dip of the fault hosting the structure. Such trenches were made in the North Pika zone (60m), at the PT zone (220m), where the main object was to locate the veins for a drill target, the Sheep zone (80m), and the Strat zone (230m). The total length of short trenches was 590 yards and the volume removed in short trenches was 1215 cubic yards.

Due to time and manpower limitations and because of the reconnaissance stage of the regional program, the main purpose of the trenching was limited to establishing lithology and the presence of mineralization. Mapping programs will be conducted in the future.

The volume and character of material removed is listed in Table 2. The location of the trenches may be found on Map 2.

Long Trenches

BT-POWNALL TRENCH

The BT-Pownall trench (3640m) exposes the north end of the Versluce and Pika trends (Figure 1). It begins near the BT zone in Cambrian phyllites and stays in this unit until the bottom of the slope where it traverses scree from the Silurian-Devonian dolomites. The transition from the phyllites to the carbonates is formed by the east fault of the Versluce trend (the No. 3 fault) higher up and this portion of the trench may be underlain by the dolomites, but this is not certain as bedrock was not reached. The valley bottom is covered by peat. The south-facing slope to the north exposes phyllite rich soil and gullies higher up show near outcrop in the Cambrian phyllites. Carbonates are again encountered at the No. 2 fault (the west fault of the Versluce trend faults) at the top of the ridge, after crossing a series of lineaments that may represent thrust slices in the phyllites.

Thus, it appears that north of the BT zone the entire center of the Versluce trend between the two Versluce trend faults is composed of Cambrian phyllites, and that it is flanked at least to the west by younger carbonates. This again indicates that the central part of the Versluce trend is a graben.

PIKA TRENCH

The Pika trench (660m, west of the BT zone) was dug to get a better section through a series of possible thrust slices in the carbonates (Figure 2). On the ground little is evident of the colour bands that mark the carbonates from airphotos. No mineralization was encountered in the possible fault zones separating these bands. Near the end of the trench a gradual transition to a more phyllitic unit is evident.

SOUTH LUCKY TRENCHES

The South Lucky trenches (3700m, 1 km south of the Lucky zone) were made to search for a continuation of the Lucky and MF zone structures (Figure 3). No trace was seen of a possible southern extension of the carbonates hosting the Bill or MF zones. The trenches were largely in very thick phyllitic overburden, probably derived from Devonian-Mississppian shales in the west and Cambrian phyllites in the eastern part of the trenches. Bedrock was reached only below the carbonate exposures on the west side of the Lucky trend.

SHEEP TRENCH

The Sheep trench (1250m) was excavated in an attempt to intersect the main structure along the Sheep trend and to expose the west slope of the ridge hosting the Sheep zone (Figure 4). The slope was deeply covered by debris, but several promising limonitic zones were encountered that may indicate the presence of altered vein material further down.

Short Trenches

In four places short trenches were made over shows in float in an attempt to find the mineralization in bedrock and the determine the strike and dip of the fault hosting the structure. Such trenches were made in the North Pika zone (130m), at the PT zone (230m), where the main object was to locate the veins for a drill target, the Sheep zone (80m), and the Strat zone (150m).

NORTH PIKA ZONE

One trench of 50 m was excavated in scree derived from Amphipora rick dolomite to determine the source of galena bearing dolomite float. The trench was abandoned due to lack of time in permafrost saturated scree.

PT ZONE

Two trenches totalling 230 m were dug just below the carbonate- black shale (uDM) contact in an area with abundant galena bearing float. The zone is on the No. 2 fault of the Versluce trend, and the trenches were made to locate the fault zone precisely and define a drill target. Bedrock was reached in both trenches, and the most promising of the altered fault zones was drilled.

SHEEP ZONE

Three short trenches totalling 80 m were excaved in two of the most promising shows of the Sheep zone. Two trenches were dug across a 20 m wide strongly altered fault zone showing a strongly corroded central quartz stockwork 1-2 m wide surrounded by variously altered limonitic dolomite. Minor amounts of galena were found. The pattern of alteration was visually very similar to that of the No. 2 zone during the early August 1988 stage of excavation.

One 40m long trench was dug along a smaller galena bearing vein running roughly at right angles to the large fault zone described above and adjacent to it to the south. Galena bearing limonitic alteration was recovered along the trench.

STRAT ZONE

Four short trenches totalling 150 m were dug in the two zones of the Strat show. Three of the zones reached bedrock and showed the Strat zone to be consistently similar to the showings made in previous years. The fourth trench was made to expose a new showing of higher grade material in a scree slope about 100 m south of the other trenches. This trench encountered permafrost in steep terrain and was left before reaching bedrock.

TABLE 1: Volume and Character of Material excavated from Trenches

CLAIM	LENGTH yds	YDS³/ YD LENGTH	VOLUME (yd³)	LITHOLOGY OF MATERIAL
LONG TRENCHES				
BT-POWNALL TRENCH				
HV 161	380	1.0	380	Black shale
HV 162	390	1.0	390	Cambrian phyllites
HV 81	100	1.0	100	Cambrian phyllites
HV 233	330	0.5	165	Overburden with phyllites
HV 234	670	0.5	335	Overburden with phyllite, pyritic sandstone, and dolomites
HV 236	550	1.0	550	Cambrian phyllites
HV 238	490	1.5	735	Cambrian phyllites
HV 240	460	1.0	460	Cambrian phyllites
HV 242	400	0.5	200	Phyllite in east, rest dolomite
HV 244	210	1.0	210	Amphipora rich dolomite
Total	3980		3525	
PIKA TRENCH				
HV 146	150	1.0	150	Dolomite
HV 148	200	1.0	200	Dolomite
HV 163	100	1.0	100	Dolomite and phyllitic dolomite
Total	450		450	
SOUTH LUCKY TRENCHES				
JEFF 2	440	1.0	440	Black shale
HV 15	400	1.0	400	Black shale, dolomite
HV 16	790	1.5	1185	Black shale, dolomite
HV 51	1010	2.0	2020	Cambrian phyllite
HV 53	660	2.0	1200	Cambrian phyllite
HV 41	420	2.5	1050	Black shale, dolomite
HV 39	440	2.0	880	Black shale, dolomite
Total	4160		7175	
SHEEP TRENCH				
HV 18	500	1.5	750	Black shale, dolomite
HV 38	420	1.5	530	Dolomite, limonitic veins
HV 40	100	0.5	50	Dolomite
Total	1010		1330	

TABLE 1 (continued)

SHORT TRENCHES

CLAIM	LENGTH yds	YDS³/ YD LENGTH	VOLUME (yd³)	LITHOLOGY OF MATERIAL
NORTH PIKA (Station R7-8-2)				
HV 244	60	1.5	90	Dolomite scree, permafrost
PT				
HV 102	220	1.5	330	Black shale, dolomite, veins minor galena; in permafrost
SHEEP ZONE				
HV 38	40	6.0	240	Limonitic altered dolomite, quartz stockwork, minor galena.
	40	1.0	40	Limonitic altered vein, minor
Total	80		280	galena.
STRAT ZONE				
HV 180	100	4.0	400	Black shale, phyllite In permafrost
	100	1.0	100	Black shale, phyllite
	30	0.5	15	Phyllite
Total	230		515	

The volumes are based on the fact that a D7E Cat with a 12' wide blade was used to make the trenches. For every 9" depth of excavation a volume of 1 cubic yard is removed for each yard of trench length. Volumes for trenches on slopes are adjusted to reflect the effect of the slope by using 1/4 of the greatest depth as a measure of average depth.

GEOCHEMISTRY

To test whether the variability evident among the shows on the Ketza property is random or whether an analysis of the differences may shed some light on the origin of the deposits and their history a pilot factor analysis study was undertaken.

Data

Eighteen samples were taken at 12 shows where a significant amount of galena was present and one phyllite sample that proved to be barren. These were analysed for Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mo, Nb, Ni, Pb, Rb, Sb, Sc, Sn, Sr, Ta, Te, Tl, V, W, Y, Zn, Zr, Au, i.e. 32 elements in total. Three other barren samples for which similar analyses were available were also used to improve the sample size and give more reliability to the analysis.

The results of the analysis are given in Table 3.

Factor Analysis

A number of elements showed less than detection limits in most of the samples (B, Be, Bi, Co, Mo, Nb, Rb, Ta, Te, Tl); these elements were not included in the factor analysis.

Multivariate methods are necessary to study such multielement data properly. Of these, factor analyis using varimax rotation is the most useful for this kind of study. This method requires more samples than elements. Thus, the sample size of the material collected from the Ketza property is too small by itself at present, and as a result some of the remaining elements could not be used.

For this reason Cr, Ga, Li, Ni, Sc, and V were also not used because they showed the greatest number of results below detection limits, and because these elements were the least likely to show interesting results.

Thus the factor analysis included the following 16 elements: Ag, As, Au, Ba, Cd, Ce, Cu, La, Pb, Sb, Sn, Sr, W, Y, Zn, and Zr.

The purpose of the factor analysis is to find whether there are more than one element association present in the shows on the property. Such associations may give clues as to the ways the metals precipitated, which in turn will help in identifying prospective areas.

The small sample size means that the results of the factor analysis will have to interpreted with caution. However, the results obtained make good geological senses and this suggests that they are reliable.

row	SAMPLE	AG	AS	B	BA	BE	BI	CD	CE	CO	CR	CU	GA	LA	LI	MO	NB	NI
1	13256	31.9	47	45	35	4.8	11	267.0	14	4	68.0	389	3	5.0	8.0	24	0.5	18.0
2	13257	17.4	81	41	78	3.7	13	688.0	15	6	57.0	1085	5	3.0	12.0	24	0.5	25.0
3	13342	79.9	25	1	125	2.0	2	171.0	145	1	0.5	540	79	0.5	3.0	2	0.5	0.5
4	13343	423.4	1335	1	53	2.0	2	13.0	15	1	66.0	162	3	0.5	7.0	7	0.5	7.0
5	13344	10.2	25	1	48	2.0	2	207.0	187	1	0.5	19	93	3.0	2.0	2	0.5	0.5
6	13345	0.2	85	1	1886	2.0	2	0.5	54	9	343.0	6	24	11.0	4.0	2	5.0	53.0
7	13346	1025.0	58	1	4	2.0	2	30.0	2	1	4.0	32	1	0.5	0.5	2	0.5	0.5
8	13347	100.5	53	3	37	2.0	5	1.0	2	1	343.0	5016	5	0.5	0.5	2	0.5	12.0
9	13348	95.3	1551	1	228	2.0	2	17.0	19	7	34.0	445	1	8.0	2.0	12	0.5	63.0
10	13349	401.1	25	1	3	2.0	2	41.0	2	1	3.0	408	1	0.5	0.5	2	0.5	0.5
11	13350	263.7	91	1	5	2.0	2	52.0	2	1	1.0	1074	5	1.0	0.5	2	2.0	0.5
12	13351	9.4	89	1	148	2.0	2	3.0	5	1	0.5	33	1	0.5	0.5	2	0.5	0.5
13	13552	1171.5	25	1	6	2.0	2	45.0	13	1	4.0	667	13	2.0	1.0	2	4.0	0.5
14	13553	25.5	25	4	635	2.0	2	99.0	14	4	72.0	80	8	6.0	12.0	2	3.0	7.0
15	13554	2.1	25	1	40	2.0	6	2.0	45	138	86.0	626	19	14.0	49.0	2	31.0	129.0
16	13555	908.6	680	1	140	2.0	2	31.0	10	1	15.0	1959	6	0.5	2.0	2	0.5	1.0
17	13558	34.1	3000	1	42	2.0	2	375.0	2	1	83.0	818	2	0.5	2.0	2	0.5	0.5
18	13376	248.6	25	6	49	2.0	2	7.0	8	1	90.0	9	1	3.0	6.0	5	0.5	2.0
19	13363	3.8	25	1	73	2.0	2	0.5	5	4	15.0	145	1	0.5	0.5	2	0.5	16.0
20	13364	1.2	25	1	68	2.0	2	0.5	7	1	17.0	47	1	2.0	0.5	2	0.5	2.0
21	13244	0.2	531	1	260	6.6	2	1.0	33	1	18.0	33	1	15.0	0.5	18	0.5	0.5

TABLE 3: Multielement Geochemical Values of Selected Samples
All values in ppm, except gold, which is in ppb.

row	PB	RB	SB	SC	SN	SR	TA	TE	TL	V	W	Y	ZN	ZR	AU	NOTES
1	13300.	10	104	1.2	83	32	5	5	5	3.0	332	2.0	73000.	6.0	12	LUCKY
2	1105.	10	2	1.1	176	42	5	5	5	4.0	164	2.0	118000.	7.0	27	LUCKY
3	46000.	87	52	2.0	56	88	5	10	10	5.0	55	5.0	18984.	0.5	8	CARIBOO
4	168000.	119	180	2.0	71	20	5	10	10	48.0	5	4.0	1264.	40.0	983	MB
5	13200.	25	6	4.0	62	51	5	10	10	2.0	97	45.0	35400.	0.5	16	NORTHPIKA
6	592.	148	25	14.0	35	232	5	10	10	111.0	5	15.0	188.	61.0	13	R7-8-1A
7	778000.	25	1500	0.5	60	3	5	10	10	0.5	5	0.5	137.	4.0	30	NofJENNY
8	29300.	25	610	0.5	15	10	5	10	10	1.0	5	0.5	64.	2.0	21	NofJENNY
9	18000.	25	83	4.0	34	93	5	10	10	16.0	5	36.0	1663.	21.0	127	NofJENNY
10	810000.	25	1500	0.5	15	6	5	10	10	0.5	5	0.5	114.	1.0	66	PSS
11	758000.	25	1500	0.5	15	18	5	10	10	0.5	5	0.5	2556.	0.5	48	PS
12	6397.	25	50	3.0	15	56	26	10	10	0.5	12	2.0	45.	0.5	21	R9-8-16
13	743000.	389	1500	0.5	15	23	5	10	10	2.0	5	1.0	449.	1.0	49	PS
14	4529.	25	21	2.0	47	36	5	10	10	19.0	30	4.0	9203.	21.0	14	HORN
15	56.	25	2	19.0	39	39	5	10	10	213.0	5	13.0	113.	86.0	5	STRAT
16	389000.	25	548	2.0	234	23	5	10	10	2.0	17	2.0	3304.	5.0	420	HORN
17	5646.	25	267	0.5	88	1	5	10	10	0.5	335	0.5	57900.	0.5	522	RAY
18	101000.	103	66	0.5	15	69	5	10	10	2.0	5	1.0	232.	3.0	10	DOUBLEP
19	1174.	25	11	0.5	15	2	5	10	10	0.5	5	0.5	47.	6.0	14	NOBOOK
20	324.	25	2	0.5	15	4	5	10	10	0.5	5	2.0	29.	7.0	12	NOBOOK
21	40.	25	2	1.0	15	16	5	10	10	0.5	5	3.0	45.	15.0	14	MPR

TABLE 3: (Continued)

Results: Factors and their Interpretation

The factor analysis returned four significant factors. Factors are element associations not correlated to other associations, and in this study probably reflect different mineralizing or sedimentary processes.

Factor 1:

Pb, Ag, Sb are very strongly correlated in this factor and these have a weaker association with Au and Cd. This suite probably represents mineral deposition during epithermal mineralization.

Factor 2:

W, Zn, Cd, and Sn are strongly correlated in this factor, with Cu showing a weak association. The association of zinc with the skarn minerals tin and tungsten and with minor copper suggests that the zinc in these shows may have been emplaced in a separate, possibly earlier event at a more elevated temperature.

Factor 3:

This factore shows Sr and rare earths Y, Ce, and La in a moderately strong association with barium and zirconium. The rare earths are present only in minor quantities. This suggests that this factor is sedimentary and reflects the presence of clastics, and that this association is not related to hydrothermal mineralization.

Factor 4:

Gold and arsenic are strongly correlated in this factor, together with a weak tin and barium association. This factor may represent a higher temperature, possibly earlier mineralization phase.

In summary, these results may be interpreted as reflecting a sedimentary environment (factor 3) and three stages of hydrothermal mineralization: probably an early gold, arsenic and minor tin phase, followed by a tungsten, tin, zinc, and copper stage, with a final event consisting of lead, silver, antimony, and minor gold.

The carbonate sedimentary environments are not represented in these factors because the elements Ca, Mg, Fe, and Mn were not analysed for. The Sr, in factor 3, may possibly be tied in carbonates.

Interpretation of the Factor Scores

Factor scores are numbers, one for each factor per sample, that show the importance of each factor in the sample.

The factor scores of each sample may be plotted, two at a time, to show how the different samples are related. This is done in Figures 1 to 3.

FIGURE 1: KETZLFVS.FVS2 vs K:KETZLFVS.FVS1

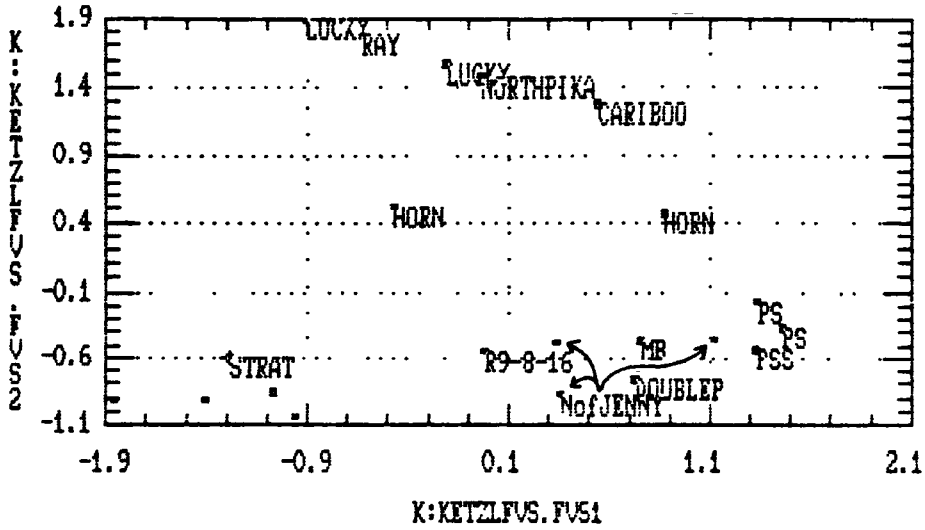


FIGURE 2: KETZLFVS.FVS4 vs KETZLFVS.FVS1

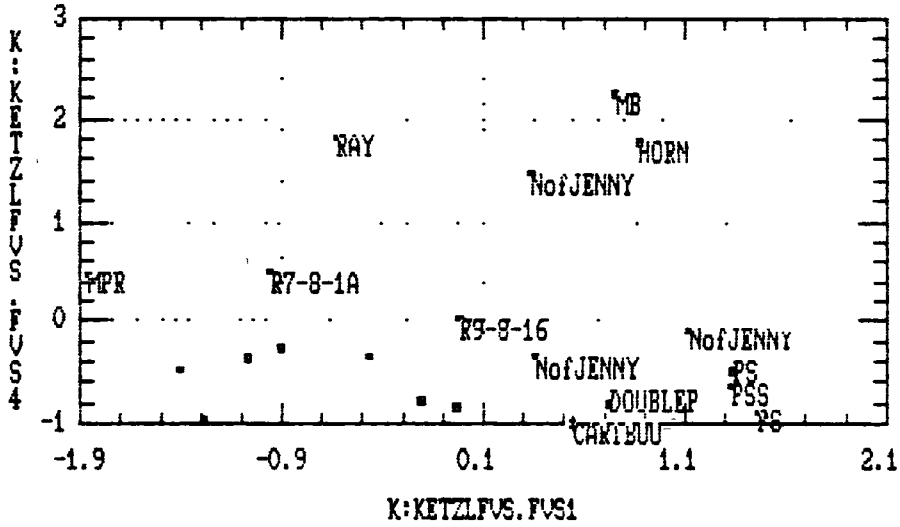


FIGURE 3: KETZLFVS.FVS4 vs KETZLFVS.FVS2

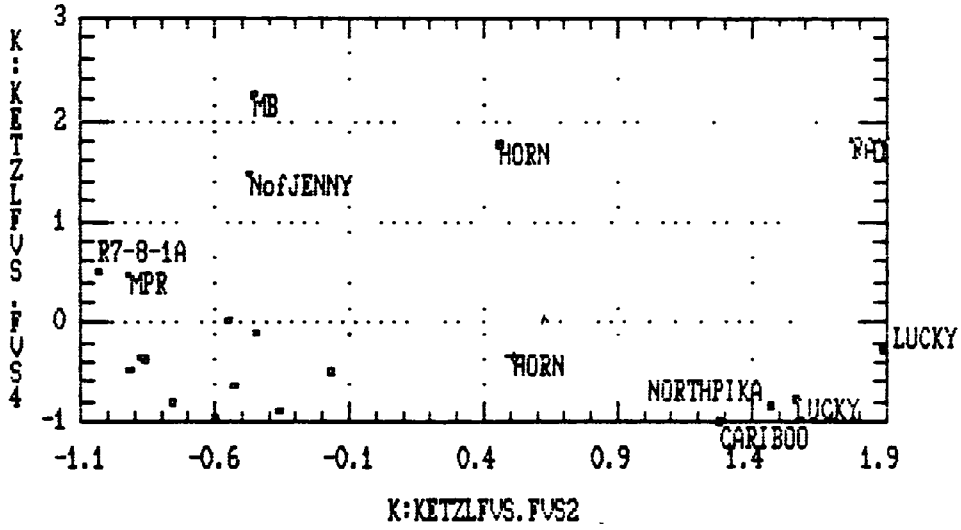


Figure 1 shows factor 1 (epithermal silver, lead, antimony, minor gold) plotted against factor 2 (skarn minerals and zinc). The Lucky, Ray, North Pika, and Cariboo shows evidence of the higher temperature "skarn" mineralization. The Cariboo, Horn, Double P, MB, and the group of shows northeast of the Jenny (NofJenny, PS, PSS) are affected by epithermal silver, lead, antimony and gold mineralization. The Cariboo is affected by both types of mineralization.

Figure 2 plots factor 1 agains factor 4 (gold, arsenic). The MB, Ray, Horn, and NofJenny shows were affected by the early(?) gold mineralization; the MB and Horn also by the later silver/lead mineralization reflected by factor 1.

Figure 3 is a plot of factor 2 against factor 4. It shows that the Ray and Horn shows were the only ones affected by both the earlier (?) phases of mineralization involving the higher temperature events.

The zinc rich shows (Lucky, Ray, North Pika, and Cariboo) all are located at or near massive quartz veins. Possibly the major quartz veins are related to the "skarn" event that introduced much of the zinc. Testing the No. 3, BT and PN zones with a multielement factor analysis may substantiate this hypothesis.

Implications of the Geochemical Study

If this interpretation is correct, than some of the major quartz veins in the area should be looked at carefully, with particular attention paid to possible sphalerite mineralization. As much of the near-surface sphalerite in drill core is difficult to recognize because of its earthy habit and brown colour it is quite possible that sphalerite mineralization may have been overlooked if it occurred apart from galena. The clear separation of the lead and zinc in different factors suggests that this may have occurred on the Ketza property.

Further and more systematic work using factor analysis on the remaining shows on the Ketza property will probably give a better picture of mineral zoning on the property.

Thus far, this study suggests that the Cariboo trend may be rich in zinc, as both the Ray and Cariboo zones are on the same structure that is central to the trend.

The Cariboo and Sheep trends are the best gold prospective areas on the Ketza property judging from the shows sampled by this study. Although no multielement samples from the Sheep Zone were included in this study, the highest gold and the highest Ag/Pb ratios on the Ketza property have come from the Sheep zone from a brecciated quartz stockwork that forms the center of a broad fault zone.

THIN SECTION STUDY

DESCRIPTION OF METHODS USED

EQUIPMENT

A Kyowa me-pol petrographic microscope was used with eyepieces of 10x; objectives of 5, 10, 20, and 40x; and eye-piece crosshairs and micrometers. Magnification was calibrated using a stage micrometer. Illumination was by 6V 20W quartz- halogen lamp.

SLIDE PREPARATION

Slides were made by Agat Laboratories, Calgary on 27x46mm glass slides using an epoxy mounting medium with an R.I. of 1.54. After rough cutting the slides were impregnated using blue epoxy, then polished and mounted in clear epoxy. With this procedure most of the blue stain is in true porosity; artificial porosity due to plucking in the final stages of slide grinding and polishing is filled by clear epoxy. Only in very friable specimens is artificial porosity stained blue at times. Standard carbonate staining techniques were used using alizerin red S to stain calcite red and a blue stain to stain all dolomite with more than 1 % Fe blue. Cover slips were used, and ground and labelled section blocks matching the thin section were prepared.

PHOTOMICROGRAPHS

These were taken with a Minolta XD 11 mounted on the microscope; details of exposure are given with the caption:

MAGN: the total magnification of the optical system;
The sides of the photos (3.5x5 inches) show a field of
1.165 x .790 mm for Magn = 50x;
0.590 x .400 mm for Magn =100x;
0.295 x .200 mm for Magn =200x;
0.160 x .100 mm for Magn =400x.
For the 3.5x5 inch prints this corresponds to true magnifications on the print of 109, 215, 430, and 794x respectively
LIGHT: TRANSmitted or REFLected light
NICHOL: "in" = fully polarized light
"out" = plane polarized light
ACCES: Accessory plates: GYPsum or MICA plate or QTZ wedge if used.
TIME: Exposure time in seconds.
BAR SCALE: Gives scale on photomicrograph independent of changes of scale during reproduction of page.

MINERAL IDENTIFICATION (PRIMARY, SECONDARY MINERALS)

Percentages are estimated visually by comparison to images produced by Terry and Chilingar, J. Sed. Petr. v 25, p.229-234, 1955. Size is given in mm. In cases were distribution is erratic rudimentary point counts were made using the eyepiece micrometer.

USAGE OF TERMS IN THE PETROGRAPHIC REPORT

PETROGRAPHIC NAME

This is a short name referring only to the mineralogy and texture of the rock. The full petrographic name of the rock is given under the heading "description".

DESCRIPTION

Color: common terms are used. Grain size: the terms apply to the commonly used Udden-Wenthworth scale.
Sorting: A measure of the number of Udden-Wenthworth size classes represented by 80% of the rock.

Very well sorted	1
Well sorted	1-3
Moderately sorted	3-5
Poorly sorted	5-7
Very poorly sorted	>7

Roundness: Visual comparison to the scale given by M.C. Powers, J. Sed. Petr. v.23, p.118, 1953.
Classes are: very angular, angular, subangular, subrounded, rounded, well rounded.
Cement: Lists the major cements, i.e. chemically precipitated material between detrital grains that binds the rock together.
Matrix: Clastic material much finer-grained than the bulk of the sediment is referred to as matrix. With clays it is often difficult to determine optically whether the material is detrital or authigenic. Flakes oriented predominantly parallel to larger clastic grains are clastic; Randomly oriented, well-formed crystals are considered authigenic.

REGIONAL AND HYDROTHERMAL ALTERATION

As deduced from contact relationships of minerals, morphology of crystal clusters, relicts (especially in patches of quartz-cemented grains), inclusions, pseudomorphs.

The relative age of the alteration is given by the number in brackets where (1) is the oldest generation or event. *These are relative ages, which may be separated by great lengths of time or occur almost simultaneously. The sequence* given is the simplest possible sequence consistent with the information on
the thin section. Other interpretations are often possible; more complex interpretations are nearly always possible. but not necessarily more plausible. When it is impossible to establish the order in which two or more alteration events took place all are given the same number.

MAX. GRAIN SIZE

The largest grain seen in the thin section or associated chip; this will often be smaller than the maximum grain size of the core interval as given in the logs.

SOURCE ROCK(S)

Estimate on the basis of the petrologic characteristics of individual clastic grains, including abundance of microliths, vacuoles, and suture characteristics in polycrystalline grains

POROSITY TYPE

The present porosity of which the blue epoxy is an indication is given. This still may be somewhat high due to *plucking of grains during the preparation of the thin section. Porosity in the past may have been greater and decreased* by the precipitation of cements, pressure solution and compaction.

FRACTURING

Only what is seen in the thin section

PETROGRAPHIC DESCRIPTION SAMPLE NO: 1

Project: YUKON MINERALS CORPORATION - KETZA PROJECT DDH:YMC 88-1 DEPTH: 10 36 m

PETROGRAPHIC NAME: Medium crystalline dolomite

DESCRIPTION: Medium crystalline dolomite with 5-10 % well sorted, well rounded quartz sand and disseminated fine grained pyrite partially altered to hematite. Vugs filled with coarsely crystalline dolomite.

LITHOLOGIC UNIT: Silurian to Devonian dolomite MAX. GRAIN SIZE (MM) in sample: .2

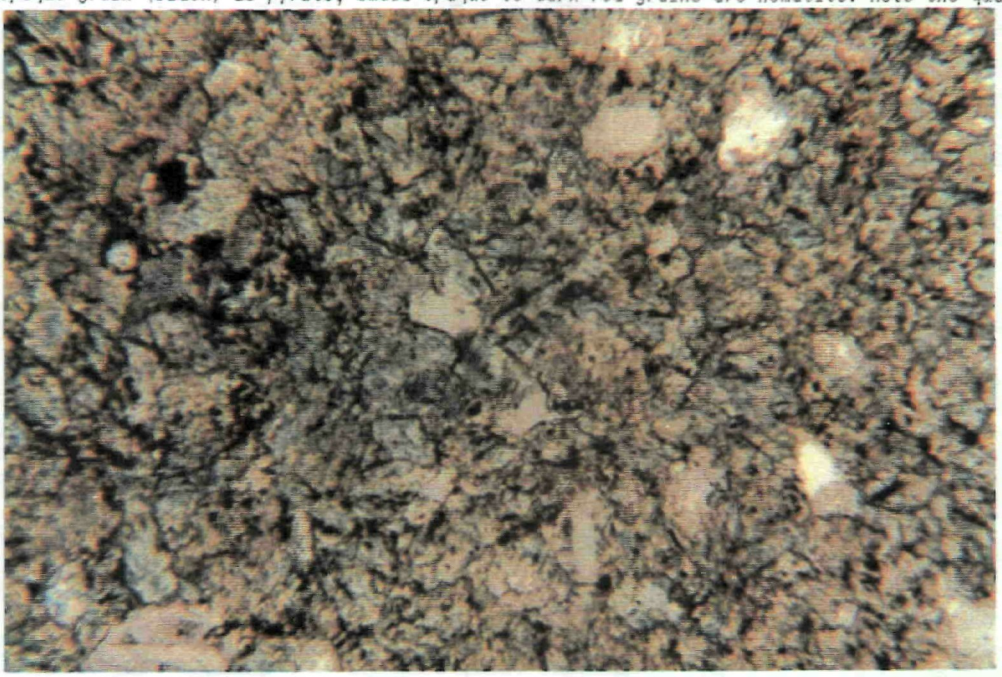
HYDROTHERMAL ALT: 1) Dolomite veins
2) Siderite veins; pyrite along siderite veins and? disseminated through rock.
3) Quartz veins - barren; overgrowths on detrital quartz may be same age
4) Alteration of pyrite to siderite and hematite

POROSITY TYPE: vugs, fracture, and intergranular

FRACTURING: dolomite, siderite and quartz filled fractures; siderite filled fractures form two sets.

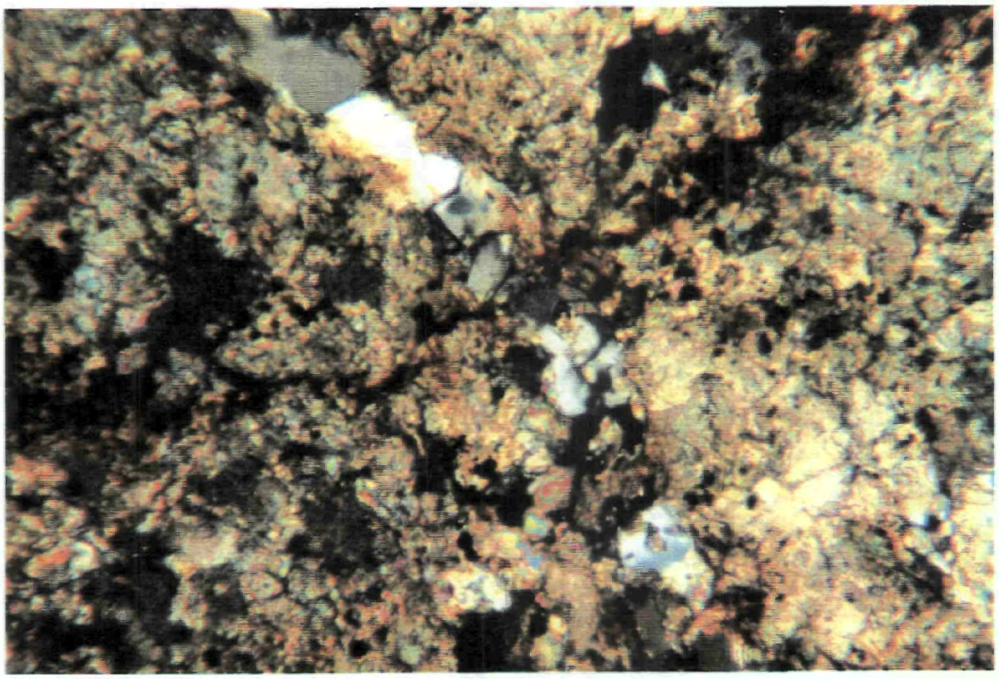
PRIMARY MINERALS	PERCENT	SIZE mm	COMMENTS
QUARTZ	7.	.2	Well rounded, well sorted fine grained sand.
PLAGIOCLASE			
K-SPAR			
FE-DOLOMITE			
MAGNESITE			
SIDERITE			
CALCITE			
MAGNETITE + ILM			
TOURMALINE			
ZIRCON+XENO+MONA			
RUTILE + Ti Oxides			
SECONDARY MINERALS			
QUARTZ overgrowths	tr		Clear; contain carbonate remnants in contrast to the clear cores.
vein, late	2		Euhedral fracture linings, crosscutting all other veins.
KAOLINITE			
ILLITE			
CARBONACEOUS MAT.	tr?		Dark intergranular debris
CHLORITE (Mg)			
DRAVITE			
HEMATITE	2	.06	Often euhedral, often rim on siderite and pyrite
LIMONITE			
CALCITE			Despite staining none seen at all
DOLOMITE Ferroan	86	1	
SIDERITE	2		In very thin veins that contain concentrations of pyrite grains.
PYRITE	1	.06	In siderite veins and disseminated; altered largely to hematite & minor siderite
GALENA			Small amounts may be present but not distinguished from pyrite.
GREY COPPER			
MALACHITE			
ARSENIDES			
PORE SPACE			Vugs now filled by coarse dolomite.
STYLOLYTES			PERCENT VOLUME REDUCTION:

NO: 1 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE: 1; 88-1 10.36m
MAGN:50x LIGHT:trans NICHOL:out ACCES.PLATE:- EXP.TIME(sec):1
Ferroan dolomite (cloudy, blue) with about 10 % fine grained, well sorted, well rounded detrital quartz grains (clear). Large opaque grain (black) is pyrite; small opaque to dark red grains are hematite. Note the quartz overgrowths.



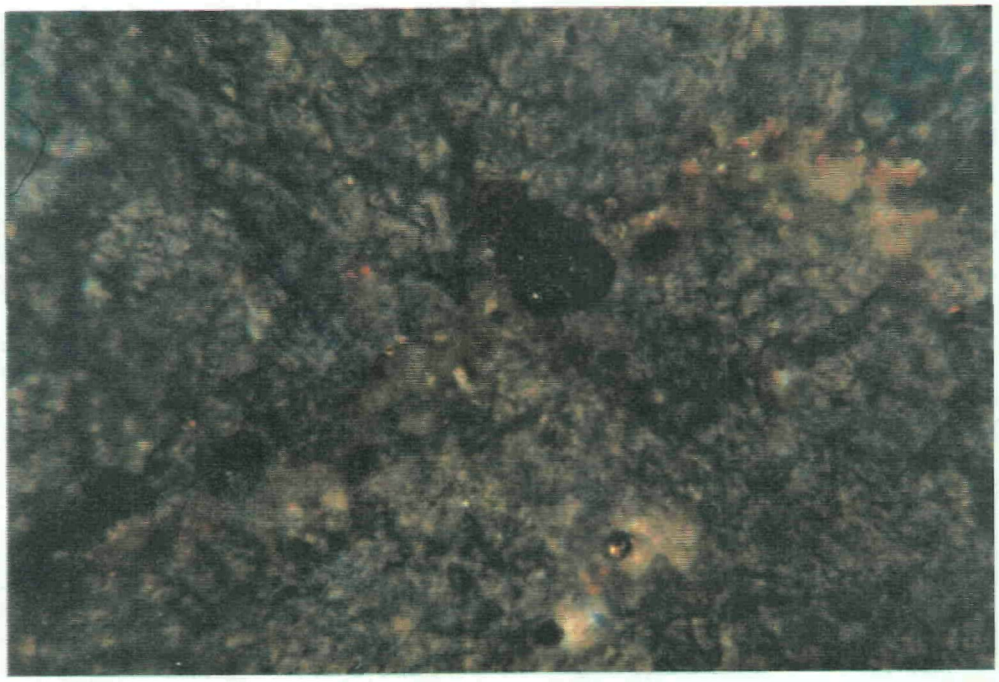
├-----┤ = 0.1 mm

NO: 2 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:1; 88-1 10.36m
MAGN:100x LIGHT:trans NICHOL:out ACCES.PLATE:- EXP.TIME(sec):2
Early siderite vein (thin, brown) altered in part to euhedral hematite (black, red) and pyrite (black), cut by later quartz vein. Matrix is ferroan dolomite and detrital quartz.



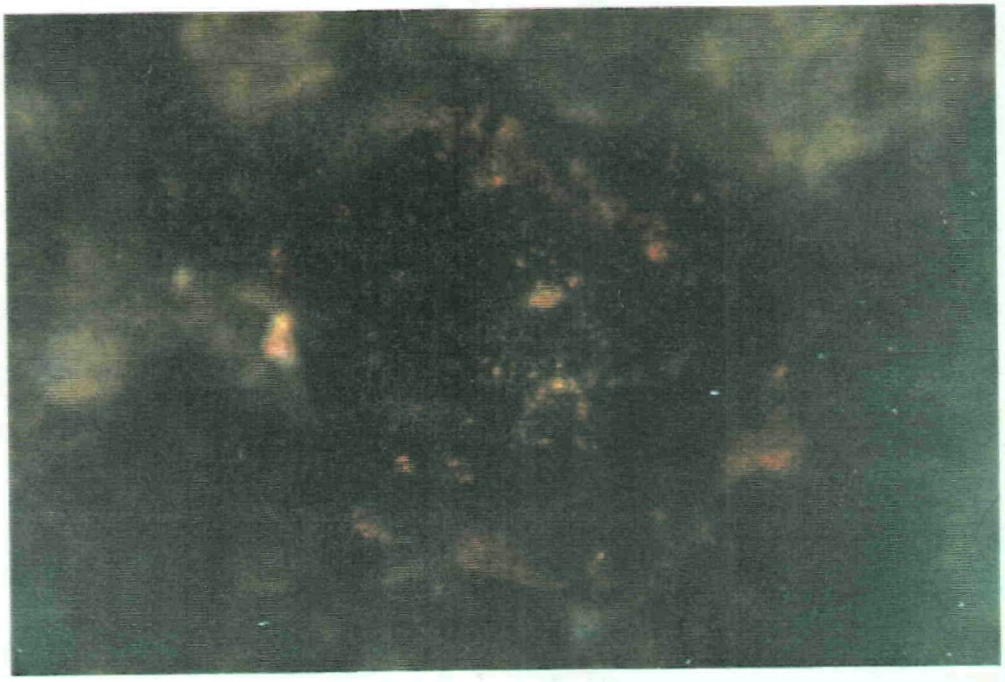
├----------┤ = 0.1 mm

NO: 3 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:1; 88-1 10.36 m
MAGN:200x LIGHT:refl. NICHOL:out ACCES.PLATE:- EXP.TIME(sec):6
Siderite vein. Siderite (brown) contains crystals of pyrite (grey-yellow) rimmed by hematite (red).



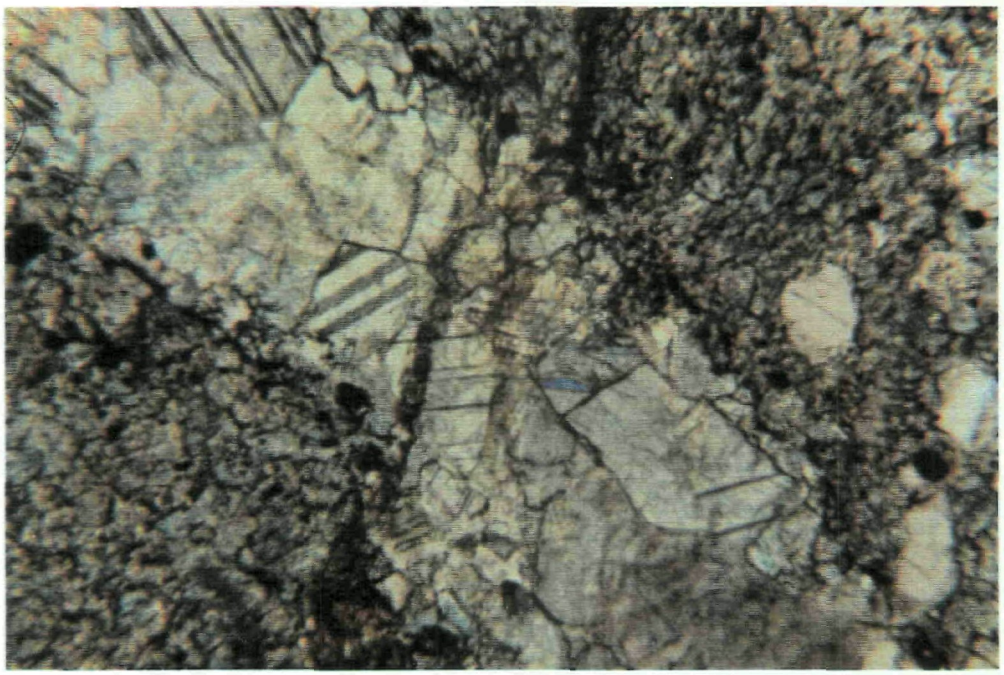
├----------┤ = 0.1 mm

NO: 4 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:1; 88-1 10.36m
MAGN:400x LIGHT:refl. NICHOL:in ACCES.PLATE:- EXP.TIME(sec):6
Siderite vein; pyrite grain (yellow) altering to siderite (dark brown to black) and then to hematite (red rim).



├----------┤ = 0.1 mm

NO: 5 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:1; 88-1 10.36m
MAGN:200x LIGHT:trans NICHOL:out ACCES.PLATE:- EXP.TIME(sec):1
Dolomite vein cut by later thin siderite vein (brown). Note disseminated fine grained euhedral hematite (black) after pyrite



|----------| = 0.1 mm

PETROGRAPHIC DESCRIPTION SAMPLE NO. 2

Project: YUKON MINERALS CORPORATION - KETZA PROJECT DDH:YMC 88-3 DEPTH: 26 76 m

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PETROGRAPHIC NAME: Finely crystalline dolomitic mudstone

DESCRIPTION: Finely crystalline dolomite with disseminated pyrite partially altered to hematite. Very rich in air or fluid inclusions.

LITHOLOGIC UNIT: Silurian to Devonian dolomite MAX. GRAIN SIZE (MM) in sample: -

ALTERATION:
1) Partial (8%) recrystallization to coarse (1 mm) carbonate.
2) Carbonate veins ?
3) Siderite veins; pyrite along siderite veins and? disseminated through rock.
4) Replacement of entire rock except pyrite and some dolomite by fine grained (5-10 microns) platy low birefringent material (quartz plates?^)
5) Quartz veins - barren; overgrowths on detrital quartz may be same age.
?) Euhedral hexagonal mineral, partially resorbed, totally altered to a white highly reflective finegrained material (leucoxene? cerussite?)

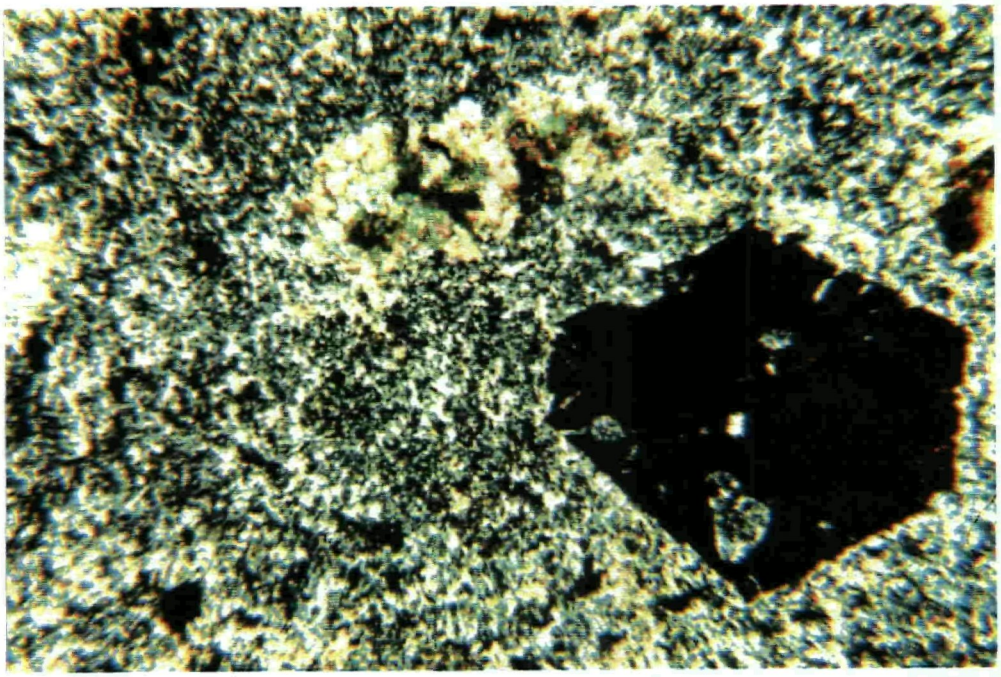
POROSITY TYPE: fracture, and intergranular

FRACTURING: dolomite, siderite and quartz filled fractures; siderite filled fractures form two sets.

PRIMARY MINERALS	PERCENT	SIZE mm	COMMENTS
QUARTZ	.		
PLAGIOCLASE			
K-SPAR			
FE-DOLOMITE			
MAGNESITE			
SIDERITE			
CALCITE			
MAGNETITE + ILM			
TOURMALINE			
ZIRCON+XENO+MONA			
RUTILE + Ti Oxides			

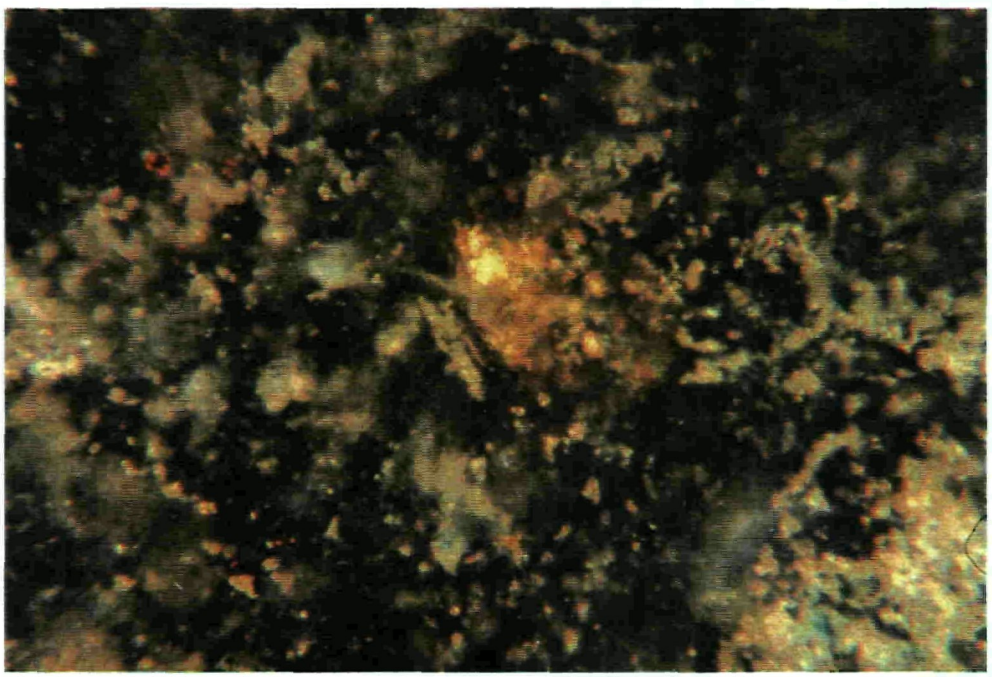
SECONDARY MINERALS			
QUARTZ replacement	92?	.01	Fine grained, platy material replacing most of carbonate; possibly another carb.
vein, late	.5		Euhedral fracture linings, crosscutting all other veins.
KAOLINITE			
ILLITE			
CARBONACEOUS MAT.	tr?		Dark intergranular debris
CHLORITE (Mg)			
DRAVITE			
HEMATITE	tr	.06	often rim on pyrite.
LIMONITE			
CALCITE			Despite staining none seen at all.
DOLOMITE Ferroan	6	.1	Most of it replaced by quartz?
SIDERITE	tr		In very thin veins that contain concentrations of pyrite grains.
PYRITE	1	.06	In former siderite veins and disseminated; altered in part to hematite
GALENA			Small amounts may be present but not distinguished from pyrite.
GREY COPPER			
MALACHITE			
ARSENIDES			
PORE SPACE			Vugs now filled by coarse dolomite.
STYLOLYTES			PERCENT VOLUME REDUCTION:

NO: 6 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:2; 88-3 26.7m
MAGN:50x LIGHT:trans NICHOL:in ACCES.PLATE:- EXP.TIME(sec):8
Dolomite vein partially replaced by fine grained groundmass; hexagonal mineral (black) partially resorbed and totally replaced by highly reflective, high relief fine grained material.



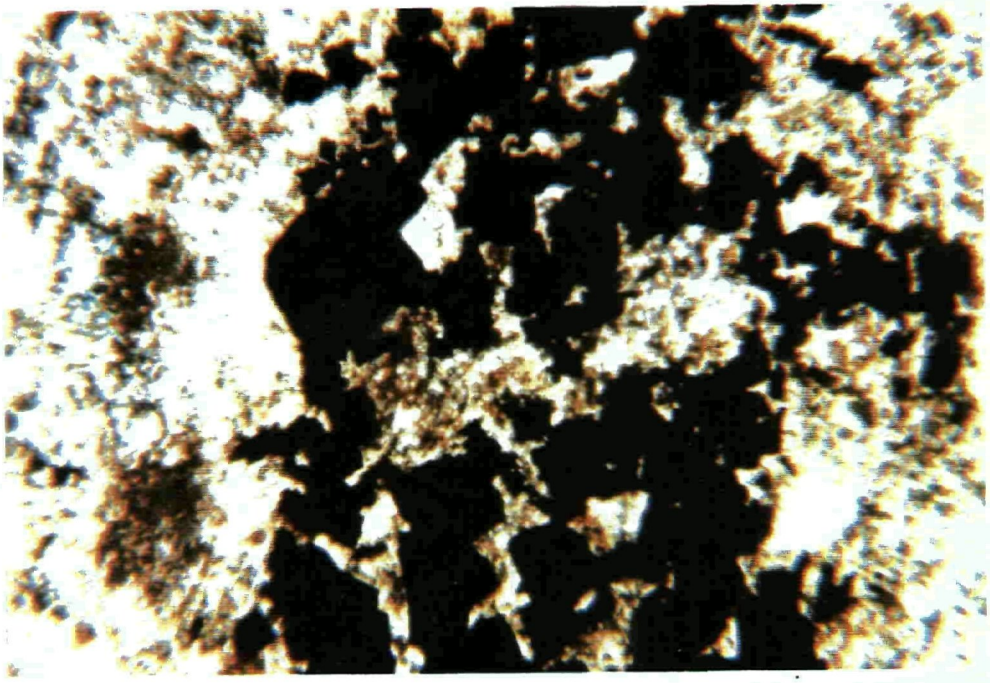
├-----┤ = 0.1 mm

NO: 7 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:2; 88-3 26.7m
MAGN:200x LIGHT:refl NICHOL:in ACCES.PLATE:- EXP.TIME(sec):8
Yellow metallic grain, possibly not pyrite.



├----------┤ = 0.1 mm

NO: 8 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:2; 88-3 26.7m
MAGN:50x LIGHT:trans NICHOL:out ACCES.PLATE:- EXP.TIME(sec):4
Layer of euhedral authigenic pyrite crystals with hematite rims.



|-----| = 0.1 mm

PETROGRAPHIC DESCRIPTION SAMPLE NO: 3

Project: YUKON MINERALS CORPORATION - KETZA PROJECT DDH:YMC 88-6 DEPTH: 20.56 m

PETROGRAPHIC NAME: Very coarsely crystalline dolomite

DESCRIPTION: Very coarsely crystalline dolomite with fine grained pyrite partially altered to hematite along siderite veins that mark stylolytes in some cases.

LITHOLOGIC UNIT: Silurian to Devonian dolomite MAX. GRAIN SIZE (MM) in sample: -

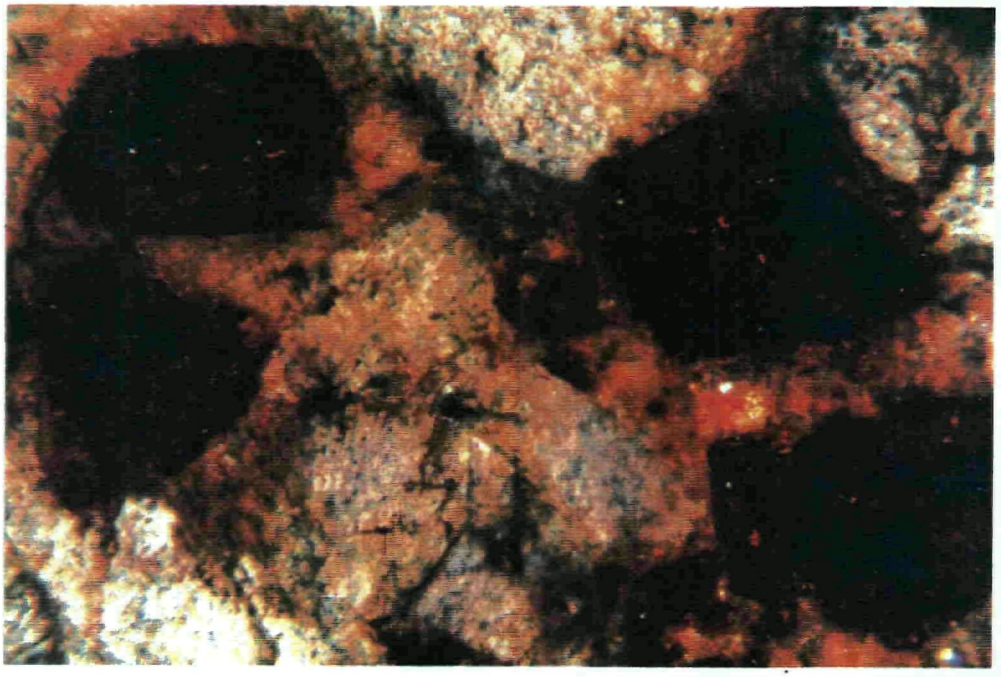
HYDROTHERMAL ALT:
1) Dolomite? veins
2) Siderite veins; pyrite along siderite veins.
3) Dolomite? emplaced in center of siderite veins.
4) Recrystallization of rock to very coarsely crystalline ferroan dolomite.
5) Quartz veins - barren.
6) Alteration of pyrite to siderite and hematite

POROSITY TYPE: fracture.

FRACTURING: dolomite, siderite and quartz filled fractures.

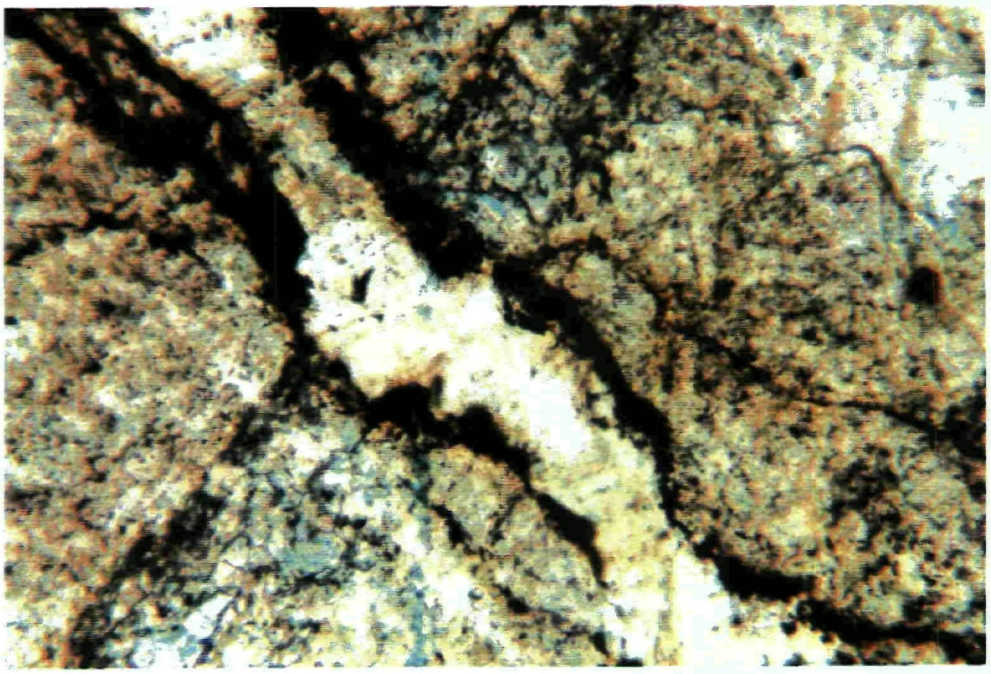
PRIMARY MINERALS	PERCENT	SIZE mm	COMMENTS
QUARTZ	.		
PLAGIOCLASE			
K-SPAR			
FE-DOLOMITE			
MAGNESITE			
SIDERITE			
CALCITE			
MAGNETITE + ILM			
TOURMALINE			
ZIRCON+XENO+MONA			
RUTILE + Ti Oxides			
SECONDARY MINERALS			
QUARTZ overgrowths vein, late	2		Euhedral fracture linings, crosscutting all other veins.
KAOLINITE			
ILLITE			
CARBONACEOUS MAT.	tr?		Dark intergranular debris
CHLORITE (Mg)			
DRAVITE			
HEMATITE	.2	.06	Often euhedral, often rim on siderite and pyrite.
LIMONITE			
CALCITE			Despite staining none seen at all.
DOLOMITE Ferroan	96	.1	
SIDERITE	1		In very thin veins that contain concentrations of pyrite grains.
PYRITE	1	06	In siderite veins and disseminated; altered largely to hematite & minor siderite
GALENA			Small amounts may be present but not distinguished from pyrite.
GREY COPPER			
MALACHITE			
ARSENIDES			
PORE SPACE			
STYLOLYTES			PERCENT VOLUME REDUCTION: probably considerable

NO: 9 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:3; 88-6 20.5m
MAGN:100x LIGHT:refl NICHOL:in ACCES.PLATE:- EXP.TIME(sec):16
Pyrite partially altered to hematite in thin siderite vein.



|----------| = 0.1 mm

NO: 10 PROJECT: YUKON MINERALS - KETZA PROJECT SAMPLE:3; 88-6 20.5m
MAGN:100x LIGHT:trans NICHOL:out ACCES.PLATE:- EXP.TIME(sec):1
First generation carbonate vein cut by siderite vein (double black lines) with dolomite core; all prior to recrystallization of carbonate to coarse dolomite.



|----------| = 0.1 mm

PETROGRAPHIC DESCRIPTION SAMPLE NO: 4

Project: YUKON MINERALS CORPORATION - KETZA PROJECT DDH.YMC 88-6 DEPTH: 37.80 m

PETROGRAPHIC NAME: Medium crystalline dolomite

DESCRIPTION: Medium crystalline dolomite with very fine to fine grained well sorted quartz sand. pyrite partially altered to hematite along siderite veins that mark stylolytes in some cases.

LITHOLOGIC UNIT: Silurian to Devonian dolomite MAX. GRAIN SIZE (MM) in sample: .2

ALTERATION: 1) Euhedral dolomite replacing sand grains
2) Microstylolites

POROSITY TYPE: fracture: along stylolites.

FRACTURING:

PRIMARY MINERALS	PERCENT	SIZE mm	COMMENTS
QUARTZ	40.	.1-.2	Original sand grain boundaries removed by dolomitization
PLAGIOCLASE			
K-SPAR			
FE-DOLOMITE			
MAGNESITE			
SIDERITE			
CALCITE			
MAGNETITE + ILM			
TOURMALINE			
ZIRCON+XENO+MONA			
RUTILE + Ti Oxides			
SECONDARY MINERALS			
QUARTZ overgrowths; vein, late			
KAOLINITE			
ILLITE			
CARBONACEOUS MAT.	1?		Dark intergranular debris
CHLORITE (Mg)			
DRAVITE			
HEMATITE			
LIMONITE			
CALCITE			Despite staining none seen at all.
DOLOMITE Ferroan	2	.1	Euhedral crystals replacing quartz
SIDERITE			
PYRITE			
GALENA			
GREY COPPER			
CARBONATE	57	.1	Either non ferroan dolomite or magnesite/siderite
ARSENIDES			
PORE SPACE			
STYLOLYTES			PERCENT VOLUME REDUCTION: probably considerable

SUMMARY OF THIN SECTION STUDY

The purpose of the thin section study was to identify more precisely the typical wall rock types, and to establish the regional background diagenetic alteration patterns.

The four slides showed the same basic features. The sediment at time of deposition was a siliceous carbonate mud. The amount of detrital silica varied considerably. In all slides that retained some of the original quartz there was evidence of the replacement of the detrital quartz by carbonate.

Carbonate diagenesis consisted generally of an early recrystallization of the original micrite to coarser dolomite This process probably occurred in several stages. The carbonate is often iron-rich: ankerite or ferroan dolomite.

The earliest veining consisted in all cases of dolomite veins. These were cut by later siderite veins. The siderite is probably an alteration product of an earlier finely crystalline pyrite, which sometimes also occurs disseminated. It is also possible that the siderite formed as a primary mineral with the pyrite. In one slide dolomite is precipitated at the core of the siderite veins.

In sample No.2 from DDH YMC 88-2 the entire sample was replaced by an unidentified highly birefringent finegrained material.

The last stage, which is common to 3 of the 4 samples, is a second fracturing with fractures filled by white quartz.

TABLE 2: List of Mineral Shows, their Main Geologic Features, and Assay Results obtained during the Regional Program.

Name	Field notes	Assay #	Sample type	Ag oz/t	Pb %	Zn %	Au ppb	Ag/Pb ratio	Strike	Dip to	Length m	Host rock
VERSLUCE TREND From north to south												
SE of Pownall zone 300m												
	R8-8-1		float	freibergite and malachite								Phyllite
	R7-8-2	13344	float	0.67	1.32	3.54	16	0.51				Carbonate?
	R22-8-2		grab	galena stringers					151	90	4	SD dolomite
Near BT zone												
	R20-7-4		-	altered vein material					40?	?		SD dolomite
	R20-7-7		vein	limonitic altered vein material at fault					20	?		SD dol/phyllite
Extension north of Viking zone												
	R20-7-14		vein	freibergite and malachite in qtz vein								SD dolomite
	R28-8-5		float	freibergite and malachite in qtz vein								SD dolomite
Viking	R28-8-4	13380	float	46.0	81.5	0.02	8	0.56	120?			SD dolomite
West V.	R20-7-22		float	freibergite in qtz vein material in frost heaved zone								SD dolomite
	R20-7-23		vein	limonitic zone in frost heaved material					130?			SD dolomite
Shadow	R20-7-21		float	galena freibergite and malachite in fractures								SD dolomite
PT	R18-8-1		float	Mn coating and sphalerite veinlet								SD dolomite
PT	R18-8-2		float	100 m wide zone with galena in fractures					140?			SD dolomite
PT	R18-8-4		float	galena in fractures								SD dolomite
PT1	R18-8-3		float	galena in blebs and stringers					140?	60SW		SD dolomite
Big Mnt	R19-7-12	13337	float	47.2	47.2			1.00				SD dolomite
SW PT	R18-8-7		float	galena in fractures and fault breccia								SD dolomite
NO.2NORTH	R18-8-6		vein	galena in fractures and fault breccia					008	70NW		SD dolomite
Big mtn.	R19-7-12		float	galena in fault breccia, fractures								SD dol. near dike
N.2NORTH	R19-7-15		vein	sheared and brecciated, qtz veins					350	60SW		SD dolomite
N.2NORTH	R19-7-17		vein	galena in fract. altered limonitic vein					136			SD dolomite
Between No.2 North and Big Mountain												
	R19-7-18		float	trains of vein material, qtz stockwork with limonitic fill								SD dolomite
	R21-7-3		float	fault breccia, limonitic crusts in dol in float								SD dol, ss
	R19-7-11		fractures	galena in fractures								SD dol, near dike
Northeast of Versluce vein												
	R6-8-5		ft bx	galena in breccia					90	90		SD dolomite
Ridge	R16-7-2	13326	veins	6.75	12.3	0.01	0	0.55	314	78SW		SD dolomite
Southern limit of Versluce trend, south side of valley												
	R17-7-18		float	rusty alteration at surface					22?	14SE		SD dolomite

Name	Field notes	Assay #	Sample type	Ag oz/t	Pb %	Zn %	Au oz/t	Ag/Pb ratio	Strike	Dip to	Length m	Host rock
CARIBOO TREND	From north to south											
PS Area												
	R9-8-1		float	Malachite freibergite in quartz veins								SD dolomite
	R9-8-3	13346	veins	29.9	77.8	0.03	30	0.38	015	85W		SD dolomite
		13347		2.93	2.9	0.01	21	1.01				
	R9-8-6		dike	altered diabase dike					360?	50W		SD dolomite
	R9-8-7		float	freibergite in quartz vein								SD dolomite
	R9-8-8		float	galena in altered dolomite								SD dolomite
	R9-8-10		vein	galena in quartz vein, in place								SD dolomite
PS	R9-8-12	13350	grab	7.69	75.8	0.28	49	0.10	005	90	50	SD dolomite
PSS	R9-8-13	13349	float	11.7	81.0	0.01	66	0.14				SD dolomite
	R9-8-14		float	galena in quartz vein and dol								SD dolomite
	R9-8-17	13551	vein	0.3	0.63	0 005	21	0.48	140	70NW		SD dolomite
top Ray	R17-8-2		vein	qtz vein with freibergite and mal.					140	90		SD dolomite
Ray	R17-8-7	13556	vein	37.8	42 6	13.8	256	0.89				SD dolomite
		13557		26.6	55.7	11.8	191	0.48				
		13558		1 18	0.60	5 00	522	1.97				
Ray	R21-8-5		veins	galena to 20 cm thick, sphalerite					136	70NE	50	SD dolomite
Jenny s.	R28-8-1	13382	vein	10.25	11.65	5 00	18	0.88	160	90		SD dolomite
	R28-8-2		float	galena in fractures; from PTI								SD dolomite
Spur	R28-8-3	13381	float	103.0	86.6	0.01	16	1.19				SD dolomite
Spur	R6-8-17		float	galena in qtz-carbonate veins								SD dolomite
Spur	R6-8-18		vein	galena freitergite in quartz veins								SD dolomite
Cariboo	R6-8-10	13342	float	2.33	4.71	2.52		0.49				SD dolomite
Cariboo	R6-8-12		veins	galena in fractures, quartz fract. //					356	90		SD dolomite
	R6-8-13		vein	galena in fractures in dol					165			SD dolomite
	R6-8-14		vein	freibergite in qtz veins					90	40N		SD dolomite
	R6-8-15		vein	freibergite in qtz veins in limonitic zone								SD dolomite
MB	R6-8-8	13343	float	12.35	16.8	0.14	938	0 74				?phyllitic dol?
F-trench	R26-8-2		veins	galena in altered veins, zone 200m wide					140	80NE		altered SD dol?
LUCKY TREND	From north to south											
Max	R14-7-4	13254	float	0 28	0 45	0.03	670	0.62				SD dolomite
Crack	R14-7-1	13251	grab	25.0	40.5	2 70	670	0 62	142	90		SD dolomite
	R14-7-2		vein	galena in fractures					172	30E		SD dolomite
NearJill	R15-7-1		veins	galena and malachite					145	75NE		SD dolomite
Jill	R15-7-2		veins	quartz, freibergite and malachite					002	71 SE		SD dolomite
to BP	R10-7-13		veins	limonitic, at phyllite-carb boundary					330			SD dol/phyllite
BP	R10-7-7	13324	grab	28.0	39.0	0.37	234	0.72				phyllite/SD dol
				quartz plug in phyllite								

Name	Field notes	Assay #	Sample type	Ag oz/t	Pb %	Zn %	Au oz/t	Ag/Pb ratio	Strike	Dip to	Length m	Host Rock
SHEEP TREND												
Qtz vns	R10-7-8		float	freibergite in quartz vein								?
Qtz vns	R10-7-9	13325	freib.vn	5.25	2.97	0.03	470	1.77	325	30SW		SD dolomite
Sheep	R10-7-10	13358	grab	50.7	18.9	4.46		2 68	60	90		SD dolomite
		13357		1 31	0 69	1.20		1.90				
	Trench 3	77587	grab	19 95	1.87	0.62	29	10.67	170	90 ?		SD dolomite
		77588	grab	1.55	0.72	2.85	70	2 15	170	90 ?		SD dolomite
		77589	grab	10.1	3.65	2.59	241	2.77	170	90 ?		SD dolomite
	Trench 2	77590	grab	not available			12		140	90 ?		SD dolomite
		77591	grab	not available			147		140	90 ?		SD dolomite
		77592	grab	not available			7		140	90 ?		SD dolomite
	Trench 1	77593	grab	not available			2210		210	90 ?		Qtz bx in SD dol
		77594	grab	not available			284		210	90 ?		Qtz bx in SD dol
Qtz vns	R11-7-2		vein	galena in quartz vein					30	20SE		SD dolomite
Horn	R15-8-8	13555	float	26.5	36 9	0 41	420	0.72				SD dol/phyllite
Cirque	R21-7-10	13335	grab	111.0	77.5			1.43	028	73NW		SD dolomite
Nose	R21-7-6		veins	galena in quartz veins, limonitic					175	80W		SD dolomite
	R21-7-12		vein	limonitic altered vein with galena								SD dolomite
PIKA TREND												
Pika	R17-7-9	13329	grab	1.91	4.21	0.96		0.45	142	46NE		SD dolomite
Pass	R17-7-2	13327	grab	55 9	79 2	0.11	9	0.71	136	84SW		SD dolomite
	R17-7-3	13328	float	1.85	0.42	2.45	-	4.40				phyllite
NO.1 TREND												
NO.1 Zone	R26-8-3		vein	coarse galena in strikeslip fault					360	60SW		SD dolomite
DOUBLE P TREND												
Double P	R22-8-15	13376	grab	7 25	10 1	0 02	16	0.72	020	90		SD dolomite
Double P	R24-8-4		vein	galena in fault breccia, qtz vn in fault					020	70SE		SD dolomite
SW end	R22-8-9		float	pyrite veins, limonitic crusts								Sd dolomite
NE side	R24-8-1		float	freibergite in quartz vein								?
Strat	R13-7-11	13321	float	1.14	11 1	4.31	470	0.10				phyllite
grey phyllite		13322	float	6.58	0.87	0.22	470	7 56				phyllite

CERTIFICATE

I, Paul Ramaekers, of 832 Parkwood Drive, S.E., Calgary, Alberta, hereby certify that:

1) I am a geologist and hold a Bachelor of Science (1967) and a Doctor of Philosophy degree (1975) in geology from the Department of Geological Sciences from the University of Toronto,

2) that I have taught as a Special Lecturer in the Geology Department of the University of Regina (1974-1975),

3) I have been a Senior Research Geologist at the Geological Survey of Saskatchewan (1975-1981),

4) that I have been Chief Sedimentary Geologist in the Research Division of Saskatchewan Mining and Development Corporation (1981-1984), and have done contract work for various mining and oil companies since then;

5) I am a member in good standing and a Fellow of the Geological Association of Canada, a member of the Society of Economic Paleontologists and Mineralogists, and a member of the International Association of Sedimentologists;

6) that I have no interest, directly or indirectly, in the Ketza property described in this report, nor in any neighbouring properties, nor do I expect to receive any,

7) I have no financial interest in Yukon Minerals Corporation or Perrex Resources Inc.

8) this report is based on personal examination of the property described during the time specified in this report, and on related information found in government and scientific publications in the public domain,

Dated at Calgary the .....30.....th day of November, 1988.

Paul Ramaekers

Paul Ramaekers, Ph.D., F.G.A.C.

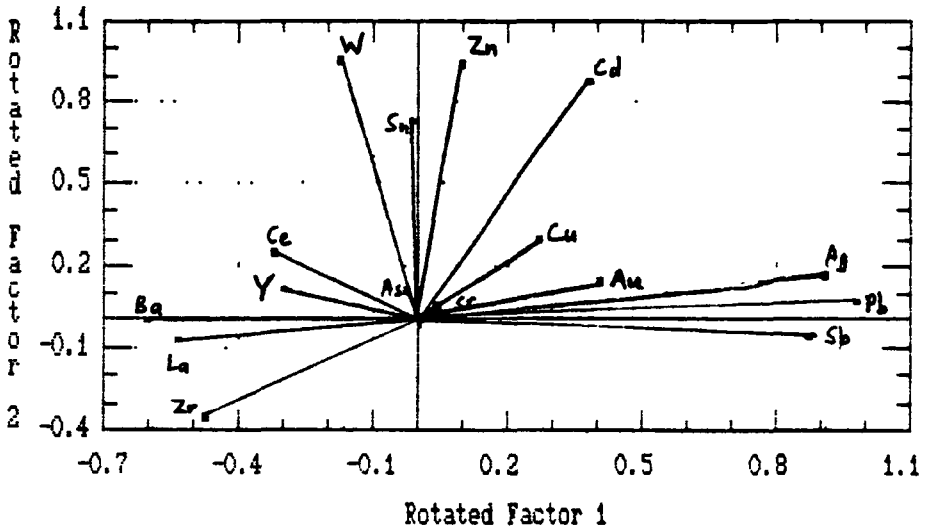
row	SAMPLE	Au	AS	B	BA	BE	BI	CD	CE	CO	CR	CU	GA	LA	LI	MO	NB	NI	PB	RB	SB	SC	SN	SR	TA	TE	TL	V	W	Y	ZN	ZR	AU	NOTES
1	13256	31.9	47	45	35	4.8	11	267.0	14	4	68.0	389	3	5.0	8.0	24	0.5	18.0	13300.	10	104	1.2	83	32	5	5	5	3.0	332	2.0	73000.	6.0	12	LUCKY
2	13257	17.4	81	41	78	3.7	13	688.0	15	6	57.0	1085	5	3.0	12.0	24	0.5	25.0	1105.	10	2	1.1	176	42	5	5	5	4.0	164	2.01	18000.	7.0	27	LUCKY
3	13342	79.9	25	1	125	2.0	2	171.0	145	1	0.5	540	79	0.5	3.0	2	0.5	0.5	46000.	87	52	2.0	56	88	5	10	10	5.0	55	5.0	18984.	0.5	8	CARIBOO
4	13343	423.4	1335	1	53	2.0	2	13.0	15	1	66.0	162	3	0.5	7.0	7	0.5	7.01	68000.	119	180	2.0	71	20	5	10	10	48.0	5	4.0	1264.	40.0	983	MB
5	13344	10.2	25	1	48	2.0	2	207.0	187	1	0.5	19	93	3.0	2.0	2	0.5	0.5	13200.	25	6	4.0	62	51	5	10	10	2.0	97	45.0	35400.	0.5	16	NORTHPIKA
6	13345	0.2	85	1	1886	2.0	2	0.5	54	9	343.0	6	24	11.0	4.0	2	5.0	53.0	592.	148	25	14.0	35	232	5	10	10	111.0	5	15.0	188.	61.0	13	R7-8-1A
7	13346	1025.0	58	1	4	2.0	2	30.0	2	1	4.0	32	1	0.5	0.5	2	0.5	0.57	78000.	25	1500	0.5	60	3	5	10	10	0.5	5	0.5	137.	4.0	30	NofJENNY
8	13347	100.5	53	3	37	2.0	5	1.0	2	1	343.0	5016	5	0.5	0.5	2	0.5	12.0	29300.	25	610	0.5	15	10	5	10	10	1.0	5	0.5	64.	2.0	21	NofJENNY
9	13348	95.3	1551	1	228	2.0	2	17.0	19	7	34.0	445	1	8.0	2.0	12	0.5	63.0	18000.	25	83	4.0	34	93	5	10	10	16.0	5	36.0	1663.	21.0	127	NofJENNY
10	13349	401.1	25	1	3	2.0	2	41.0	2	1	3.0	408	1	0.5	0.5	2	0.5	0.58	10000.	25	1500	0.5	15	6	5	10	10	0.5	5	0.5	114.	1.0	66	PSS
11	13350	263.7	91	1	5	2.0	2	52.0	2	1	1.0	1074	5	1.0	0.5	2	2.0	0.57	58000.	25	1500	0.5	15	18	5	10	10	0.5	5	0.5	2556.	0.5	48	PS
12	13351	9.4	89	1	148	2.0	2	3.0	5	1	0.5	33	1	0.5	0.5	2	0.5	0.5	6397.	25	50	3.0	15	56	26	10	10	0.5	12	2.0	45.	0.5	21	R9-8-16
13	13552	1171.5	25	1	6	2.0	2	45.0	13	1	4.0	667	13	2.0	1.0	2	4.0	0.57	43000.	389	1500	0.5	15	23	5	10	10	2.0	5	1.0	449.	1.0	49	PS
14	13553	25.5	25	4	635	2.0	2	99.0	14	4	72.0	80	8	6.0	12.0	2	3.0	7.0	4529.	25	21	2.0	47	36	5	10	10	19.0	30	4.0	9203.	21.0	14	HORN
15	13554	2.1	25	1	40	2.0	6	2.0	45	138	86.0	626	19	14.0	49.0	2	31.0	129.0	56.	25	2	19.0	39	39	5	10	10	213.0	5	13.0	113.	86.0	5	STRAT
16	13555	908.6	680	1	140	2.0	2	31.0	10	1	15.0	1959	6	0.5	2.0	2	0.5	1.03	89000.	25	548	2.0	234	23	5	10	10	2.0	17	2.0	3304.	5.0	420	HORN
17	13558	34.1	3000	1	42	2.0	2	375.0	2	1	83.0	818	2	0.5	2.0	2	0.5	0.5	5646.	25	267	0.5	88	1	5	10	10	0.5	335	0.5	57900.	0.5	522	RAY
18	13376	248.6	25	6	49	2.0	2	7.0	8	1	90.0	9	1	3.0	6.0	5	0.5	2.01	01000.	103	66	0.5	15	69	5	10	10	2.0	5	1.0	232.	3.0	10	DOUBLEP
19	13363	3.8	25	1	73	2.0	2	0.5	5	4	15.0	145	1	0.5	0.5	2	0.5	16.0	1174.	25	11	0.5	15	2	5	10	10	0.5	5	0.5	47.	6.0	14	NOBOOK
20	13364	1.2	25	1	68	2.0	2	0.5	7	1	17.0	47	1	2.0	0.5	2	0.5	2.0	324.	25	2	0.5	15	4	5	10	10	0.5	5	2.0	29.	7.0	12	NOBOOK
21	13244	0.2	531	1	260	6.6	2	1.0	33	1	18.0	33	1	15.0	0.5	18	0.5	0.5	40.	25	2	1.0	15	16	5	10	10	0.5	5	3.0	45.	15.0	14	MPR

Factor 1

VARIMAX ROTATED FACTOR MATRIX

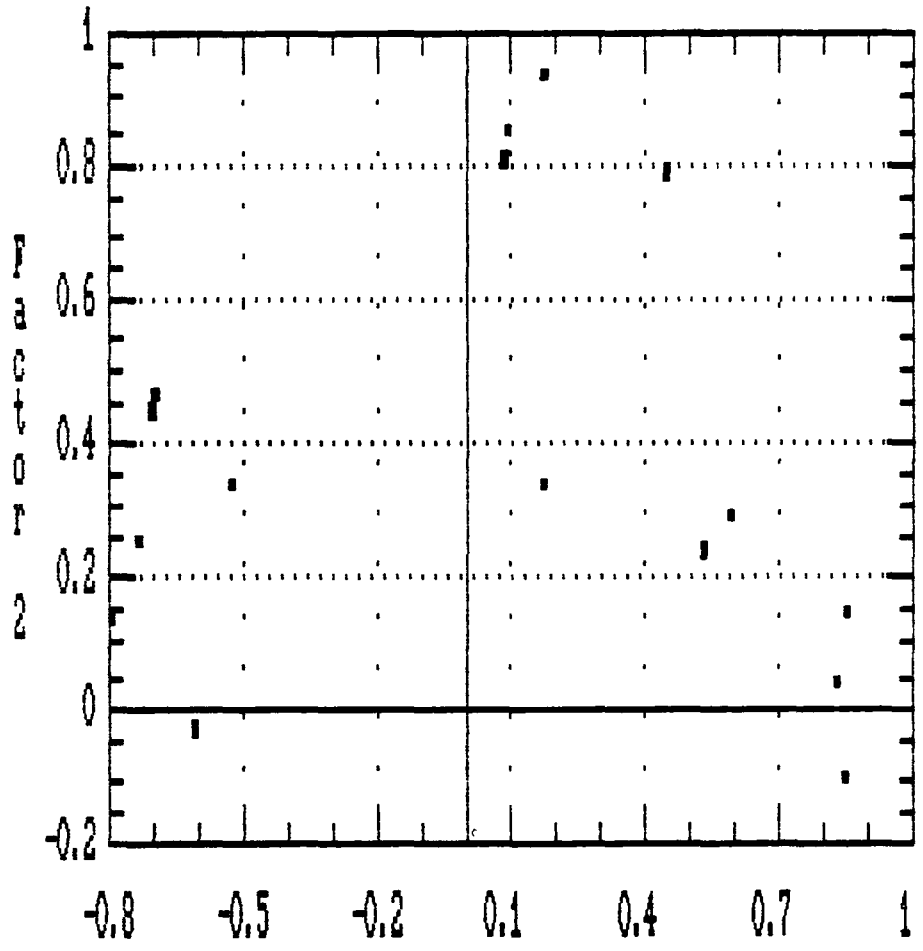
Variable/Factor	1	2	3	4
K:KETZL.AG	0.90824	0.16731	-0.14902	0.13044
K:KETZL.AS	-0.02701	0.10784	-0.03193	0.93644
K:KETZL.BA	-0.60198	-0.00444	0.51107	0.30607
K:KETZL.CD	0.38253	0.87792	0.03002	-0.00880
K:KETZL.CE	-0.31878	0.24803	0.79032	-0.14039
K:KETZL.CU	0.27132	0.30395	-0.31532	0.10576
K:KETZL.LA	-0.53529	-0.07724	0.61876	-0.16790
K:KETZL.PB	0.97976	0.07091	-0.10602	0.05769
K:KETZL.SB	0.87413	-0.06118	-0.27301	0.17618
K:KETZL.SN	-0.01170	0.72919	0.21079	0.40853
K:KETZL.SR	0.04172	0.03751	0.90874	-0.13635
K:KETZL.W	-0.17373	0.95545	-0.06589	0.00509
K:KETZL.Y	-0.29977	0.11298	0.85590	0.09845
K:KETZL.ZN	0.09804	0.94392	0.18226	0.10790
K:KETZL.ZR	-0.47429	-0.35005	0.44942	0.27113
K:KETZL.AU	0.40665	0.14488	-0.19123	0.83952

Plot of First Two Factor Weights



Variable	Communality	Factor	Eigenvalue	Percent Var	Cum Percent
K:KETZL.AG	0.96549	1	5.82991	36.4	36.4
K:KETZL.AS	0.90841	2	3.78265	23.6	60.1
K:KETZL.BA	0.81393	3	1.90211	11.9	72.0
K:KETZL.CD	0.94849	4	1.53904	9.6	81.6
K:KETZL.CE	0.84033	5	.80929	5.1	86.6
K:KETZL.CU	0.78773	6	.59283	3.7	90.3
K:KETZL.LA	0.87189	7	.50448	3.2	93.5
K:KETZL.PB	0.99027	8	.44242	2.8	96.3
K:KETZL.SB	0.95491	9	.14953	.9	97.2
K:KETZL.SN	0.85568	10	.12751	.8	98.0
K:KETZL.SR	0.81281	11	.10875	.7	98.7
K:KETZL.W	0.95203	12	.08210	.5	99.2
K:KETZL.Y	0.83495	13	.05248	.3	99.5
K:KETZL.ZN	0.96596	14	.03732	.2	99.8
K:KETZL.ZR	0.89883	15	.03405	.2	100.0
K:KETZL.AU	0.93017	16	.00553	.0	100.0

Plot of First Two Factor Weights



File K:KETZLFVW 1/ 4/89

	row	FVW1	FVW2	FVW3	FVW4	FVW5
Ag	1	**0.908**	0.167	-0.149	0.130	0.185
As	2	-0.027	0.108	-0.032	**0.936**	0.044
Ba	3	-0.602	-0.004	**0.511**	0.306	-0.216
Cd	4	0.383	**0.878**	0.030	-0.009	0.072
Ce	5	-0.319	0.248	**0.790**	-0.140	-0.134
Cu	6	0.271	0.304	-0.315	0.106	**0.683**
La	7	-0.535	-0.077	**0.619**	-0.168	0.225
Pb	8	**0.980**	0.071	-0.106	0.058	-0.036
Sb	9	**0.874**	-0.061	-0.273	0.176	0.059
Sn	10	-0.012	**0.729**	0.211	**0.409**	0.222
Sr	11	0.042	0.038	**0.909**	-0.136	-0.070
W	12	-0.174	**0.955**	-0.066	0.005	-0.087
Y	13	-0.300	0.113	**0.856**	0.098	-0.068
Zn	14	0.098	**0.944**	0.182	0.108	0.081
Zr	15	-0.474	-0.350	**0.449**	0.271	**0.466**
Au	16	0.407	0.145	-0.191	**0.840**	0.084

+ve

Pb .980
Ag .908
Sb .874

Au .407
Cd .383

W .955
Zn .944
Cd .878
Sn .729

Cu .304

Sr .909
Y .856
Ce .790
La .619
Ba .511

Zr .449

As .936
Au .840

Sn .409

Ba .306

Cu .683
Zr .466

-ve

Ba -.602
La -.535
Zr -.474

File K:KETZLFVS 1/ 4/89

row	FVS1	FVS2	FVS3	FVS4	FVS5	
1	-0.210	1.564	0.105	-0.775	0.804	Lucky
2	-0.905	1.889	-0.034	-0.274	1.177	Lucky
3	0.543	1.281	0.780	-0.991	-0.790	Combo
4	0.757	-0.455	0.552	2.236 *	0.207	MB
5	-0.035	1.471	1.168	-0.832	-1.738	North Pike
6	-0.960	-1.033	1.733	0.495	-0.910	Phyllite Veins N BT - base
7	1.123	-0.449	-0.816	-0.091	-0.125	
8	0.362	-0.876	-1.039	-0.352	1.001	Chaw Main - 200 m N Jenny
9	0.339	-0.471	1.591	1.468	0.746	
10	1.330	-0.530	-0.941	-0.632	0.192	PSS
11	1.337	-0.171	-0.613	-0.487	0.374	PS
12	-0.019	-0.548	-0.293	0.018	-2.076	300 m NE PS
13	1.461	-0.363	0.122	-0.880	0.487	PS
14	-0.470	0.514	0.672	-0.348	0.278	Horn
15	-1.286	-0.599	0.794	-0.957	2.235	Stnt - dead
16	0.873	0.460	0.248	1.765	0.657	Horn
17	-0.629	1.771	-2.119	1.820	-0.607	Ray
18	0.728	-0.761	0.521	-0.809	-0.996	Double P
19	-1.072	-0.860	-1.520	-0.368	-0.225	
20	-1.406	-0.917	-0.923	-0.478	-0.353	
21	-1.860	-0.918	0.013	0.470	-0.338	

PbAgSb
An

WZnCdSn

Sr Y La Ce
Ba

As
An

TO ACCOMPANY REPORT BY P. RAMAEKERS, Ph. D. DATED NOVEMBER 30, 1988

LEGEND

REVISIONS

STRATIGRAPHY

Tv	Cretaceous and Tertiary. Dark green, fine grained biotite bearing mafic dikes, flows? and sills.
DMs,p,cgl	Late Devonian and Mississippian. Black shale, phyllite, chert conglomerate.
SDd	Silurian, Early and Middle Devonian. Buff, grey and red weathering dolomite, often siliceous, with silty and sandy interbeds, in places carbonaceous.
Ss	Silurian. Grey weathering platey, thinly laminated dolomitic siltstone.
Sq	Silurian. Massive, grey to brown weathering quartz arenite.
OSs	Ordovician and Silurian. Black graptolific shale, minor chert.
Єph	Late Cambrian ? or Older. Grey buff, brown weathering, thinly laminated calcareous phyllite.
Єv	Cambrian ? or Tertiary / Cretaceous ? Dark green mafic flows or sills.

CARBONATE LITHOFACIES

Dph	Dolomite, phyllitic
Damp	Dolomite, with prominent Stromatoporoids, esp. Amphipora.
Dxbed	Dolomite, with prominent crossbedding, usually siliceous.
Dqtz	Dolomite, siliceous; silica terrigenous.

SYMBOLS

- Photolineament, probably faults, a few may represent bedding
- Geological Contact: defined, approx. or assumed
- Fault, steeply dipping: defined, approx. or assumed
- Thrust fault: defined, approx. or assumed
- Bedding; strike, dip
- Fault; strike, dip
- Anticline, Syncline; strike, plunge
- Road and Trenches
- Creek
- Mineral show
- Claim Boundary; Surveyed, approximate

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:10,000
METRES 0 100 200 400 600 800 1000 1200 METRES
FEET 0 500 1000 2000 3000 4000 FEET

KETZA PROPERTY GEOLOGY

DATE: NOVEMBER 30, 1988	TECH: P.R.	DWG No. MAP 1
DRAWN BY: POLARIS CONSULTING, R.H.		

610000 E
612000 E
614000 E
616000 E
6840000 N
6838000 N
6836000 N
6834000 N
6832000 N
6830000 N

POWNALL ZONE
Fr, Pb S in QV
R8-8-1 Fr, phyllite tuff
NORTH PIKA TRENCH
R7-8-2 13344 0.67 1.32 3.54 0.002 16
BT—POWALL TRENCH
R24-8-1 Fr QV, float
R22-8-2 Pb S in frags
R22-8-4 Pb S, float
DOUBLE P
R22-8-15 ● 13376 7.25 10.1 0.02 — 16
R7-8-1 ● 13345 <0.01 0.06 0.02 0.001 13
R20-7-6
BT
R20-7-4
PIKA TRENCH
R21-8-9 Fb, QV, float
R16-8-3 Fr in QV
R9-8-8 Pb S, Fr in QV
R9-8-7 Pb S, Fr in QV
R20-7-22 Fr in QV
R20-7-21
GROUNDHOG Fr in QV
VIKING R28-8-4 ● 13380 46.0 81.5 0.02 — 8
N of JENNY ● R9-8-3
RAY ● R17-8-7
JENNY R28-8-1
R28-8-2
PT TRENCHES
R18-8-2
PT I ● R18-8-8
R18-8-3
R18-8-7 Pb S, float
R18-8-6 Pb S
R19-7-17 No. 2 NORTH Pb S
R19-7-18 Pb S
BIG MOUNTAIN R19-7-12 ● 13337 47.2 47.2 — — —
R28-8-3 ● 13381 103.0 86.6 0.01 — 16 float from SPUR
R6-8-17 Pb S
SPUR
R6-8-18 Fr, Pb S
R6-8-12
R6-8-13
● R6-8-10 13342 2.33 4.71 2.52 0.05 8
CARIBOU
MB R6-8-8 ● 13343 12.35 16.8 0.14 0.02 938
Pb S, Trenches
No. 1 ZONE
R6-8-2 Pb S
R6-8-5 Pb S
R19-7-1 13253 4.19 5.10 0.12 NA —
R16-7-2 13326 6.75 12.3 0.01 0.01 6
RIDGE
PASS R17-7-2 ● 13327 55.9 79.2 0.11 0.01 9
R17-7-3 ● 13328 1.85 0.42 2.45 2.28 — phyllite
PIKA R17-7-9 ● 13329 1.91 4.21 0.96 0.02 —
NOSE R21-7-6 ● 13336 8.49 19.6 0.22 — —
CIRQUE R21-7-10 ● 13335 111.0 77.7 — — —
R21-7-12
MAX R14-7-4 ● 13254 0.28 0.45 0.03 NA <70
PN R14-7-3
R14-7-1 ● 13251 25.0 40.5 2.70 NA <70 CRACK
MF
BILL
LUCKY
JILL
SOUTH LUCKY TRENCHES
R10-7-13
STRAT R13-7-11 13322 6.58 0.87 0.22 6.80 <70
R13-7-11 ● 13321 1.14 11.1 4.31 — <70
"old ribbons" R13-7-12 ● 13320 — 0.01 — — 70
R13-7-6 ● 13319 0.01 0.02 — — 70
R13-7-5 Fe, QV
R15-8-2 13354 0.06 0.005 0.001 0.063 5
STRAT ZONE TRENCH
R13-7-1 ● 13323 0.16 0.13 0.06 0.07 <70
BP R10-7-7 13324 28.0 39.0 0.37 0.15 2.34
HORN R15-8-8 ● 13355 26.5 36.9 0.41 0.20 420
13353 0.8 — 0.92 0.001 14
SHEEP ZONE TRENCHES
R10-7-9 ● 13325 5.25 2.97 0.03 0.54 <70
SHEEP ZONE
R10-7-10 13357 1.31 0.69 1.20 NA NA
13358 50.7 18.9 4.46 NA NA
SHEEP TRENCH

Station	Sample No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb
R9-8-16 ●	13351	0.30	0.63	0.005	—	21
PS R9-8-12	13350	7.69	75.8	0.28	0.11	49
	13352	34.17	74.3	0.04	0.06	49
PS ● R9-8-13	13349	11.7	81.0	0.01	0.005	66
N of JENNY ● R9-8-3	13346	29.9	77.8	0.03	0.003	30
	13347	2.93	2.9	0.01	0.50	21
	13348	2.78	1.8	0.16	0.04	127
RAY ● R17-8-7	13356	37.8	42.6	13.8	0.30	256
	13357	26.6	55.7	11.8	0.24	191
	13358	1.18	0.60	5.00	0.07	522
JENNY R28-8-1	13339	94.4	70.8	0.09	0.01	55
	13340	6.81	0.46	1.89	0.03	133
	13341	0.15	0.09	0.26	0.08	67
R6-8-12	13382	10.25	11.65	5.00	—	18
R28-8-3 ● float from SPUR	13381	103.0	86.6	0.01	—	16
MB R6-8-8 ●	13343	12.35	16.8	0.14	0.02	938
R19-7-1	13253	4.19	5.10	0.12	NA	—
R17-7-2 ●	13327	55.9	79.2	0.11	0.01	9
R17-7-3 ● phyllite	13328	1.85	0.42	2.45	2.28	—
PIKA R17-7-9 ●	13329	1.91	4.21	0.96	0.02	—
MAX R14-7-4 ●	13254	0.28	0.45	0.03	NA	<70
R14-7-1 ● CRACK	13251	25.0	40.5	2.70	NA	<70
R13-7-11	13322	6.58	0.87	0.22	6.80	<70
R13-7-11 ●	13321	1.14	11.1	4.31	—	<70
"old ribbons" R13-7-12 ●	13320	—	0.01	—	—	70
R13-7-6 ●	13319	0.01	0.02	—	—	70
R15-8-2	13354	0.06	0.005	0.001	0.063	5
R13-7-1 ●	13323	0.16	0.13	0.06	0.07	<70
BP R10-7-7	13324	28.0	39.0	0.37	0.15	2.34
HORN R15-8-8 ●	13355	26.5	36.9	0.41	0.20	420
	13353	0.8	—	0.92	0.001	14
SHEEP ZONE TRENCHES R10-7-9 ●	13325	5.25	2.97	0.03	0.54	<70
SHEEP ZONE R10-7-10	13357	1.31	0.69	1.20	NA	NA
	13358	50.7	18.9	4.46	NA	NA

SHEEP ZONE TRENCHES

	SAMPLE No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb
TRENCH 1	77593	NA	NA	NA	NA	2210
	77594	NA	NA	NA	NA	264
TRENCH 2	77590	NA	NA	NA	NA	12
	77591	NA	NA	NA	NA	147
	77592	NA	NA	NA	NA	7
TRENCH 3	77587	19.35	1.87	0.62	—	29
	77588	1.55	0.72	2.85	—	70
	77589	10.1	3.65	2.59	—	241

TO ACCOMPANY REPORT BY P. RAMAEKERS, Ph. D. DATED NOVEMBER 30, 1988

LEGEND

SHOWS

INFORMATION GIVEN WITH LOCATION OF SHOWS:

e.g. PIKA | R17-7-9 | 13329 | 1.91 | 4.21 | 0.96 | 0.02 | —

NAME (if show is named) | FIELD NOTES: Initial (Day of month) — Month — Station | SAMPLE No. | Ag (oz/ton) | Pb (%) | Zn (%) | Cu (%) | Au ppb

ASSAY VALUES
("—" Less than detection limit)
("NA" Not assayed)

SYMBOLS

- CREEK
- TRENCH
- CLAIM POSTS; Mapped and visited with HV claim numbers unless indicated otherwise. (19|20 / 17|18)
- CLAIM POSTS; Mapped, not visited.
- SHOW WITH GEOCHEMICAL ANALYSES and/or ASSAY
- OTHER SHOW
- CLAIM BOUNDARY; Surveyed, Approximate

59' 1°E
29° 11'
TRUE NORTH
GRID
MAGNETIC

REVISIONS

YUKON MINERALS - PERREX J.V.

KETZA PROJECT
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:10,000
METRES 0 100 200 400 600 800 1000 1200 METRES
FEET 0 500 1000 2000 3000 4000 FEET

KETZA PROPERTY
SHOWS AND TRENCHES
GEOCHEMICAL ANALYSES & MAPPED CLAIM POSTS

DATE: NOVEMBER 30, 1988 | TECH: P.R. | DWG No. MAP 2
DRAWN BY: POLARIS CONSULTING, R.H.

REPORT

on

1988 EXPLORATION PROGRAM

KETZA PROJECT

YUKON MINERALS - PERREX RESOURCES JOINT VENTURE

(Jeff, Hi Grade, HV, Hogg, Caribou, Ben, and Ver Claims)

Latitude 61° 37' N Longitude 132° 52' W

NTS 105 F-10/11

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

CANADA

for

YUKON MINERALS CORPORATION AND PERREX RESOURCES INC.

by

B.P. FOWLER, P.Geol.

31 December 1988

BRIAN P. FOWLER, P. Geol..
Consulting Geologist

(403) 278 - 0851 • 113 - Deerfield Terrace S.E., Calgary, AB T2J 6V2

31 December 1988

The Board of Directors,
Yukon Minerals Corporation,
522 - 625 Howe Street,
Vancouver, B.C.
V6C 2T6

Gentlemen:

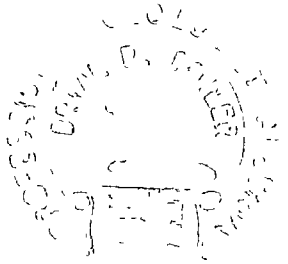
Please find attached my report on the 1988 Exploration Program on the Ketza Project.

The report, with 94 maps and appendix, is a compilation of exploration data on the property to the end of the 1988 field season.

Assay certificates and diamond drill logs are to be bound in separate volumes.

A sound basis is provided for future exploration and development work, and I recommend a continuation of work on this promising property.

Yours very truly,



Brian P. Fowler, P.Geol.
Project Manager

TABLE OF CONTENTS

MAPS (Accompanying This Report)

Drawing No	Area or Zone	Scale	Description
A-I	A	x	INDEX
A-G1	A	x	GEOLOGY PLAN
AP-G1	PN ZONE	#	GEOLOGY PLAN
AP-A1	PN ZONE	#	ASSAY PLAN
AP-G2	LUCKY ZONE	#	GEOLOGY PLAN
AP-A2	LUCKY ZONE	#	ASSAY PLAN
PS-G1	PN ZONE (0+60)	#	GEOLOGY SECTION
PS-A1	PN ZONE (0+60)	#	ASSAY SECTION
PS-G2	PN ZONE (0+80)	#	GEOLOGY SECTION
PS-A2	PN ZONE (0+80)	#	ASSAY SECTION
PS-G3	PN ZONE (1+00)	#	GEOLOGY SECTION
PS-A3	PN ZONE (1+00)	#	ASSAY SECTION
PL-A1	PN ZONE	#	ASSAY LONGITUDINAL
PL-R1	PN ZONE	#	RESERVE LONG.
LS-G1	LUCKY ZONE (0+10)	#	GEOLOGY SECTION
LS-A1	LUCKY ZONE (0+10)	#	ASSAY SECTION
LS-G2	LUCKY ZONE (0+85)	#	GEOLOGY SECTION
LS-A2	LUCKY ZONE (0+85)	#	ASSAY SECTION
LS-G3	LUCKY ZONE (1+00)	#	GEOLOGY SECTION
LS-A3	LUCKY ZONE (1+00)	#	ASSAY SECTION
LS-G4	LUCKY ZONE (1+10)	#	GEOLOGY SECTION
LS-A4	LUCKY ZONE (1+10)	#	ASSAY SECTION
LL-A1	LUCKY ZONE	#	ASSAY LONGITUDINAL
LL-R1	LUCKY ZONE	#	RESERVE LONG.
B-1	B	+	INDEX
BC-S1	B & C	+	CLAIM SURVEY PLAN
B-G1	B	x	GEOLOGY PLAN
B-GY1	B	x	VLF PROFILE PLAN
B-GY1A	B	x	VLF CONTOURS PLAN
B-GS1	B	x	GEOLOGY SECTION
BU-S1	B	@	U.G. SURVEY
BU-G1	B	@	U.G. GEOLOGY
BU-A1	B	@	U.G. ASSAY
BP-G1	No.3 ZONE	#	GEOLOGY PLAN
BP-A1	No.3 ZONE	#	ASSAY PLAN
BP-G2	No.3 ZONE	#	GEOLOGY PLAN
BP-A2	No.3 ZONE	#	ASSAY PLAN
BP-G3	A & B ZONES	#	GEOLOGY PLAN
BP-A3	A & B ZONES	#	ASSAY PLAN
BP-G4	No.2 ZONE	#	GEOLOGY PLAN

Note: Scales:

+ = 1:5000 x = 1:1000 @ = 1:500 # = 1:250

(Continued)

MAPS (continued)

Drawing No	Area or Zone	Scale	Description
BP-A4	No.2 ZONE	#	ASSAY PLAN
BP-G5	No.2 ZONE	#	GEOLOGY PLAN
BP-A5	No.2 ZONE	#	ASSAY PLAN
BP-G6	B	#	GEOLOGY PLAN
BP-G7	B	#	GEOLOGY PLAN
BP-G8	DELTA ZONE	#	GEOLOGY PLAN
BP-A8	DELTA ZONE	#	ASSAY PLAN
BP-G9	B	#	GEOLOGY PLAN
BP-G10	PORTAL	#	GEOLOGY PLAN
2S-G1	No.2 ZONE (0+00)	#	GEOLOGY SECTION
2S-A1	No.2 ZONE (0+00)	#	ASSAY SECTION
2S-G2	No.2 ZONE (0+23.5)	#	GEOLOGY SECTION
2S-A2	No.2 ZONE (0+23.5)	#	ASSAY SECTION
2S-G3	No.2 ZONE (0+48.6)	#	GEOLOGY SECTION
2S-A3	No.2 ZONE (0+48.6)	#	ASSAY SECTION
3S-G6	No.2/3 ZONE (3+30)	#	GEOLOGY SECTION
3S-A6	No.2/3 ZONE (3+30)	#	ASSAY SECTION
2L-A1	No.2 ZONE	@	ASSAY LONGITUDINAL
2L-R1	No.2 ZONE	@	RESERVE LONG.
2L-A2	No.2 ZONE	@	ASSAY LONGITUDINAL
3S-G1	No.3 ZONE (0+30)	#	GEOLOGY SECTION
3S-A1	No.3 ZONE (0+30)	#	ASSAY SECTION
3S-G2	No.3 ZONE (0+58.5)	#	GEOLOGY SECTION
3S-A2	No.3 ZONE (0+58.5)	#	ASSAY SECTION
3S-G3	No.3 ZONE (0+90)	#	ASSAY SECTION
3S-G4	No.3 ZONE (1+14)	#	GEOLOGY SECTION
3S-A4	No.3 ZONE (1+14)	#	ASSAY SECTION
3S-G5	No.3 ZONE (1+61)	#	GEOLOGY SECTION
3S-A5	No.3 ZONE (1+61)	#	ASSAY SECTION
3S-G6	No.2/3 ZONES(3+30)	#	ASSAY SECTION
3L-A1	No.3 ZONE	@	ASSAY LONGITUDINAL
3L-R1	No.3 ZONE	@	RESERVE LONG.
ZL-AR1	ZEUS ZONE	#	ASSAY/RESERVE LONG.
C-1	C	+	INDEX
BC-S1	B & C	+	CLAIM SURVEY PLAN
C-G1	C	x	GEOLOGY PLAN
CP-G1	GROUNDHOG ZONE	#	GEOLOGY PLAN
CP-A1	GROUNDHOG ZONE	#	ASSAY PLAN
CP-G2	JENNY ZONE	#	ASSAY/GEOLOGY PLAN
GS-G1	GH ZONE (0+00)	#	GEOLOGY SECTION
GS-A1	GH ZONE (0+00)	#	ASSAY SECTION
GS-G2	GH ZONE (0+25)	#	GEOLOGY SECTION
GS-A2	GH ZONE (0+25)	#	ASSAY SECTION
GS-G3	GH ZONE (0+50)	#	GEOLOGY SECTION
GS-A3	GH ZONE (0+50)	#	ASSAY SECTION
GL-A1	GROUNDHOG ZONE	#	ASSAY LONGITUDINAL
PTS-G1	PT ZONE	#	GEOLOGY SECTION
PTS-A1	PT ZONE	#	ASSAY SECTION

Note: Scales:

+ = 1:5000 x = 1:1000 @ = 1:500 # = 1:250

SUMMARY

The Ketza Project area is situated in the Pelly Mountains of central Yukon, 50 km south of Ross River and 9 km east of the South Canol Road on Groundhog Creek. The property lies within the Seagull Uplift, the western portion of the Ketza-Seagull Arch, that is described as a domed assemblage of Lower Cambrian to Mississippian clastic, volcanic, and carbonate rocks that were deformed during Mesozoic arc-continent collision and by mid-Cretaceous intrusion (G. Abbot, 1986).

Hydrothermal gold and silver mineralization occurs in the Ketza-Seagull district in the form of auriferous oxide/sulfide mantos, massive argentiferous galena and sphalerite veins, and fault breccia hosted galena and sphalerite with oxide. The property, composed of 403 contiguous mineral claims, occupies an area of approximately 8,000 hectares (19,700 acres).

The Groundhog Creek area was first prospected for Ag-Pb-Zn mineralization in the 1950s and 1960s. Canol Mines Ltd. carried out an extensive surface exploration program on several galena bearing fault zones that are now covered by the HV claims (Ketza Project area). In 1986, Yukon Minerals Corporation optioned the HV claims from H and P Holdings Ltd. of Whitehorse. An aggressive 1987 surface exploration program defined ore grade mineralization on 5 main Ag-Pb showings, and led to the discovery of several other occurrences. Perrex Resources Inc. entered into a subsequent agreement with Yukon Minerals Corporation whereby they earned a 30% interest in the property by providing 1988 exploration funding.

The 1988 Ketza Project consisted of 2,286 metres of diamond drilling in 45 holes, surface trenching, mapping and sampling, a regional mapping/prospecting program, 300 metres of underground drifting and drill station slashing, enlarging camp and considerable road construction and upgrading.

A total of 53 galena showings and 22 quartz-freibergite showings were documented and examined during the 1988 Ketza Project. An ore reserve base was developed, and is currently 221,507 tons of probable and drill indicated ore grading 2.68 oz Ag/ton, 3.18% Pb, and 4.01% Zn, located in seven (7) separate deposits. The largest single reserve base is No.3 Zone, which is calculated to contain 147,906 tons of probable and drill indicated ore grading 1.98 oz Ag/ton, 2.32% Pb, 4.27% Zn, and 0.005 oz Au/ton.

The most significant deposit type defined on the Ketza Property to date, in terms of size and total metal content, is fault breccia dolostone hosted, fracture controlled and lesser replacement galena and sphalerite, with oxide. eg. No.2, No.3 Zones. A significant reserve base was established on a higher grade silver massive galena vein (PN Zone), where preliminary work has blocked out 3,480 tons of probable and drill indicated ore grading 13.74 oz Ag/ton, 9.90% Pb, and 5.25% Zn.

The No.2 and No.3 Zones are 300 metres apart and dip towards one another. Both zones are believed to occupy the flanks of a north trending graben structure that has been traced along the axis of a broad anticlinorium structure. Referred to as the "Versluce Trend", one of seven (7) regional mineralized trends observed on the property (Ramaekers, 1988), it has been traced northward of the main showings for a distance of 6 km. The principle ore controls appear to be related to host rock and the presence of an impermeable shale cap which localized mineralizing solutions.

Several deposits on the Ketza Project warrant additional surface work in the form of trenching, mapping and sampling, and diamond drilling. Oxide zone material has been

observed to carry highly anomalous gold values, and followup exploration should also be directed towards the definition of oxide fault, chimney and manto deposits.

Ketza Property ore deposits are significant, and can be compared to several past, pending, and present Ag-Pb-Zn producers in the Yukon.

The underground program involved driving a trackless line drive 2.5m X 3.5m drift 200 metres below and between the main surface exposures of No.2 and No.3 Zones. Nine (9) diamond drill stations were slashed along 294 metres of drift, in preparation for underground diamond drill testing of No.2 and No.3 Zones in early 1989. The drift cross cut No.2 Zone structure, and limited amounts of ore grade mineralization was noted to occur at drift elevation.

An underground diamond drill program along No.2 and No.3 Zones is proposed at a budget of $1 million, and is recommended to commence in March, 1989. A $2 million surface exploration program is recommended to commence in mid-May, 1989.

CONCLUSIONS

1.a) Significant hydrothermal Ag-Pb-Zn mineralization occurs on the Ketza Property in essentially 3 forms; a) fault controlled breccias b) vein fault massive sulfide c) sulfide bearing quartz-siderite stockwork.

b) The most important form of mineralization, in terms of volume and total metal content, is the fault-controlled mineralized breccias (No.2 and No.3 Zones).

c) Stratiform Pb-Zn-Cu mineralization has been noted to occur in Cambrian phyllites on the Ketza Property.

d) The principle ore controls appear to be carbonate-shale contacts and favourable host rock, (dolostone) and an impermeable shale capping, which probably localized mineralizing solutions.

2.a) The distribution of Ag-Pb-Zn deposits on the Ketza Property can be grouped into seven (7) regional trends.

b) No.2 and No.3 Zones occur along the flanks of a north trending graben structure, occupying the axis of an anticlinorium, and the overall structure (Versluce Trend) has been traced for a distance of 6 km.

c) A significant ore reserve base has been developed on the Ketza Property.

d) Geology and mineral deposits on the Ketza Property can be compared to similar past, pending and present Ag-Pb-Zn producers in the Yukon.

e) The potential for defining additional deposits and ore reserves on the Ketza Property is considered excellent.

f) Approximately 30% of the property area has been mapped and prospected on a regional scale.

3. Triple tube face injection diamond drilling with HQ core size is the most effective means of achieving satisfactory core recovery through mineralized oxide zones.

4. Geological mapping, prospecting, and sampling on a detailed and regional scale are the most practical means of accurately evaluating and defining mineralized zones and potential drill targets.

5. Surface trenching by use of excavator and D7 caterpillar with ripper is the most effective method of exposing mineralized zones.

6. Ground based VLF-EM16 geophysical surveys are an effective, low cost method of defining mineralized fault structures.

RECOMMENDATIONS

1. 1989 Underground Diamond Drill Program

A 1,980 metre (6,500 foot) underground diamond drill program is proposed to test No.2 and No.3 Zones along the length of the drift. NQ drilling utilizing the triple tube face injection method would ensure the best possible core recovery in poorly consolidated oxide zone material. Projected costs are listed below:

1989 Underground Diamond Drill Proposal

Diamond Drilling:

6,500 ft @ $80.00/ft	$520,000.00
Assays:	$ 28,000.00
Geology:	$ 46,000.00
Surveying/Drafting	$ 15,000.00
Road Maintenence: Snow removal - Ross River to Portal	$ 70,500.00
Fuel and Propane:	$ 45,000.00
Water Hauling and Vehicle Lease	$ 70,500.00
Groceries and Supplies	$ 30,000.00
Expediting	$ 18,000.00
Communication	$ 8,000.00
Camp Cost/generator	$ 40,000.00
Transportation	$ 14,000.00
Final Drafting Costs	$ 4,000.00
Total	$909,000.00
10% Contingencies	$ 90,900.00
Grand Total	$999,900.00
SAY	**$1,000,000.00**

The budget would allow for 803 metres of drilling along 4 Sections (10 holes) on No.2 Zone and 985 metres of drilling along 4 sections (13 holes) on No.3 Zone. Approximately 200 metres of drilling is not presently layed out, and is to be held in reserve.

Laying out the northern-most drill holes on No.3 Zone is difficult at present, since the strike direction is not known. This would be defined by initial drilling, and the remaining footage would test No.3 in this area.

To drill off No.2 Zone entirely along the drift, it is estimated 1,200 metres of drilling would be required. It would probably require 2,000 metres of underground drilling to completely test No.3 Zone along the drift length. Drilling would be selective, and should be flexible and subject to change as per results.

2. 1989 Surface Exploration Program

As described herein, present deposits as well as a multitude of new showings warrant additional surface work. Recommendations, in order of merit, are listed below:

1. A mapping grid should be installed encompassing the No.2-No.3-Zeus area with the Groundhog-Jenny-Ray-PS Zones.Detailed mapping and prospecting will undoubtedly increase our understanding of these structures and provide control for laying out effective diamond drill patterns.

2. A surface diamond drill program should be initiated as soon as practical to test the Zeus Vein and the southern continuation of No.2 Zone and the No.2-A Zone.

3. The PN-Lucky-MF area should undergo additional detailed mapping, trenching, and ground VLF along strike.

4. A continuation of the regional mapping and prospecting program, tracing mineralized trends into valley bottoms and the generation of new targets.

5. Additional trenching of the more promising showings, mapping and sampling, and, if practical, diamond drilling.

6. Investigating the No.1 zone (No.1 Trend), as economic ore was mined here at one time and the area was all but ignored in 1988.

7. Intensive prospecting of the Cambrian phyllites for "Sedex type" stratiform massive Pb-Zn deposits, similar to the Faro deposit.

A detailed cost estimate and program outline for 1989 surface exploration on the Ketza Project is not included in this report, but a program costing approximately $2 million is envisaged.

It is estimated that 3 million tons of low grade ore grading 2.00 oz Ag/ton and 7% Pb-Zn combined or equivalent is required to justify a mill on the property. The addition of higher grade vein silver (United Keno Hill type) ore from Ketza Property deposits similar to the PN and Lucky Zones could significantly increase millhead grade. A large tonnage, low grade mining operation coupled with the addition of relatively smaller amounts of high grade silver vein ore is envisaged for the Ketza Property. It is anticipated that surface and underground exploration for both deposit types in 1989 will block out the required reserves.

INTRODUCTION

In 1986, Yukon Minerals Corporation acquired the HV Property (hereafter referred to as the Ketza Project) from H and P Holdings Ltd. A subsequent agreement allowed Perrex Resources Inc. to earn a 30% interest in the Project by providing exploration funding.

This report describes the results of a surface and underground exploration program carried out for silver-lead-zinc mineralization on the Ketza Project from April to October, 1988. The property is comprised of 403 contiguous claims and located 50 km south of Ross River and 9 km east of the South Canol Road on Groundhog Creek in south central Yukon. A separate report documenting a 1988 regional program has been prepared by Paul Ramaekers.

The 1988 Ketza Project consisted of two phases of surface diamond drilling totalling 2,286 metres, a regional mapping/prospecting program, road construction and upgrading, surface stripping, mapping, and sampling of major mineralized zones, claim tagging, an air photo survey of the claim block, a pre-feasability environmental impact study, and a 300 metre underground exploration drive to facilitate future underground drilling.

The project was managed by the writer under the direction of T. McCrory and M. Nielsen, President and Operations Manager of Yukon Minerals Corporation respectively.

This report and accompanying maps are a compilation of the information collected by several dedicated people during the program. The staff were enthusiastic and hard working. Some worked for the full period, and others just for a short time.

The regional program was headed by Paul Ramaekers who was abley assisted by Rob Klettl. Survey control was provided by Reg Harding (Polaris Consulting). Other crew members were: Mike Issigonis, Geologist; Bruce Laird, Geologist; Ray Anchikoski, Camp Maintenance/Survey Assistant; Patrick McCrory, Sampler; Sean Pownall, Sampler; Andy McDonald, Sampler/Blaster; Wayne Anchikoski, Survey assistant/Core Splitter; Barry Buchanan, Sampler; Todd Buchanan, Sampler; Clarence Canning, Camp Maintenance; Al Omitani, Expeditor; Helen Hewitt, Cook; Bernice Osteen, Cook; Brenda Brown, Cook; and Bev Armstrong, Bullcook. Terry McCrory spent considerable time on the property directing heavy equipment and laying out roads.

The information contained in this report will provide a sound basis for a continuing exploration and development program.

LOCATION AND ACCESS

The Ketza Project is situated 160 km northeast of Whitehorse and 50 km south-southwest of Ross River, Yukon Territory (Fig.1). The property is in the Watson Lake Mining District at Latitude 61° 37'N. The NTS area is 105/F-10/11.

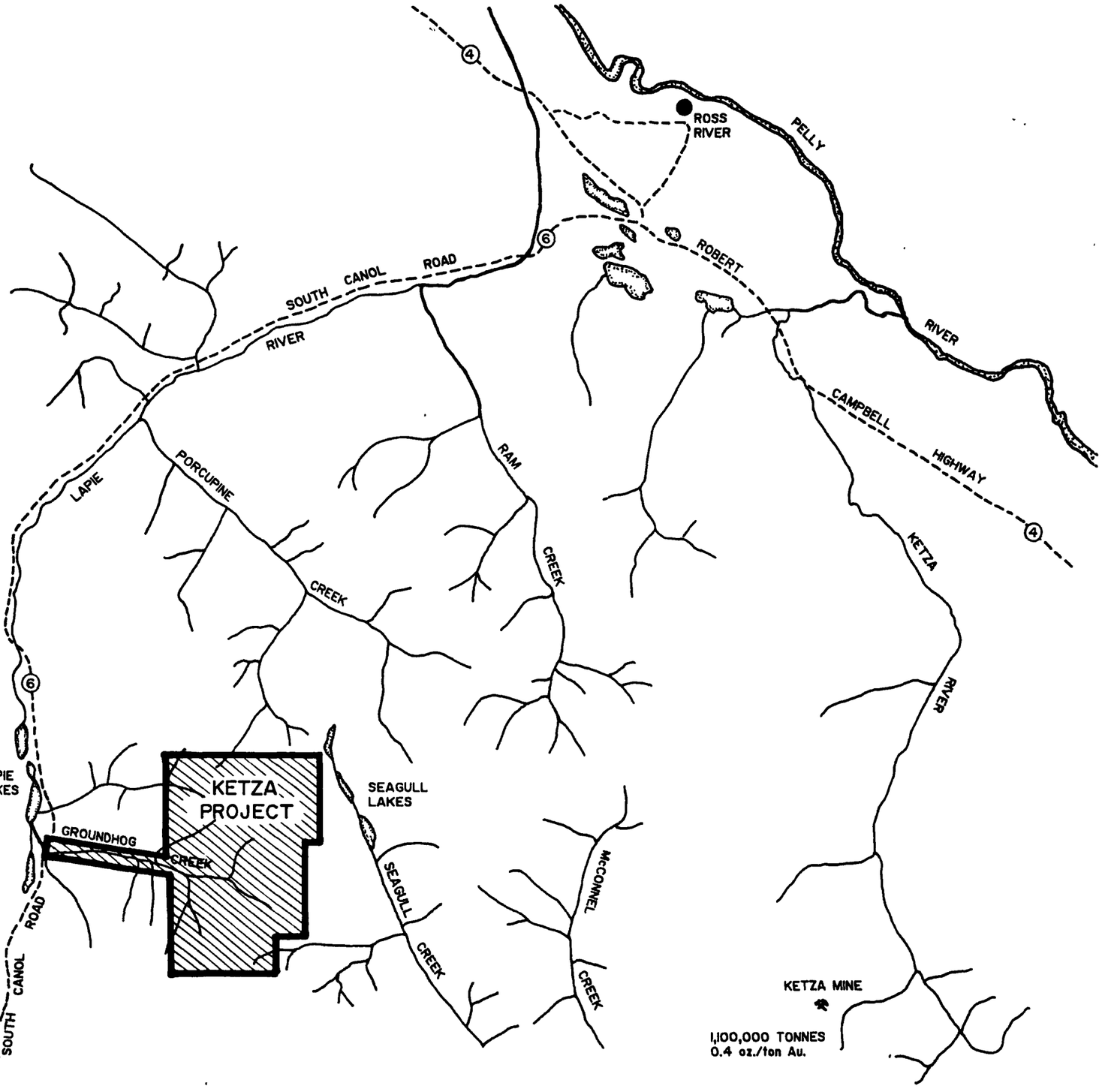
The property is accessible by road from the South Canol Road, which links Ross River to the Alaska Hiway at Johnson's Crossing. Camp is situated on Groundhog Creek Road 9 km east of the South Canol Road. Total road distance from Whitehorse is approximately 300 km.

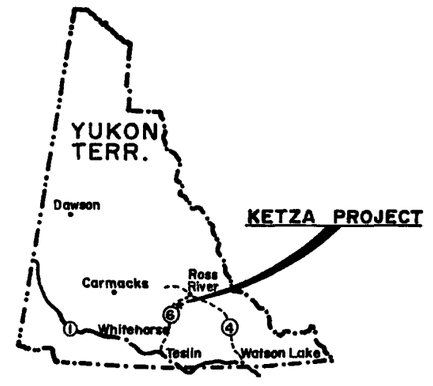
The Yukon Territorial Government does not plow snow on the South Canol Road during the winter months, but the road is well maintained from late April to mid October. A track mounted nodwell "Hagglund" was contracted from Dyna-haul Ltd. of Calgary, Alberta during the initial phase of the 1988 program, when snowcover was deep and roads were soft. The Hagglund proved to be an expensive and unreliable form of transport, and was released May 13th, 1988.

A 1976 Champion D600 grader complete with snow wing was purchased in late October. It is presently in camp and can be used to open the road to Ross River during the winter months.

An expansive road network has been developed within the property area. Honda 4 Track ATV's and 4X4 supercab and crew cab trucks were used for crew transport to work areas. All major mineralized zones are readily accessible by road.

Helicopter charter service is available in Ross River, and provides access to the more remote areas of the claim block.





YUKON MINERALS - PERREX J.V.

KETZA PROJECT
LOCATION MAP
GROUNDHOG CREEK, YUKON TERRITORY

N.T.S.: 105 F/10	REVISED: R.H. POLARIS Consulting	DATE: DEC., 1988
SCALE: 1 : 250,000	DRAFTING: INTEGRAPHICS LTD.	FIGURE: 1

"Hagglund" transport vehicle, May, 1988

Honda All Terrain Vehicles for crew transport

PHYSIOGRAPHY AND CLIMATE

The Project area is situated in the St.Cyr Range of the Pelly Mountains in south central Yukon. Elevations range from 1,100 metres to 1,950 metres, with treeline at approximately 1,600 metres and alpine areas above 1,650 metres. Overall relief is steep, with cliff forming dolostone and quartzite interspersed with moss covered ridges and talus slopes. Bedrock exposure is approximately 2%, limited to ridge crests, cliffs, and locally valley bottoms.

Drainage is principally east and west, into the Seagull Lakes and Lapie Lakes chain respectively. There is adequate water for drilling and mining operations on the property. At higher elevations, (eg.> 1820 metres) drill water is scarce, and must be piped or hauled to the work area from lower elevations.

The valley floors and walls are covered with buckbrush, spruce, pine, and willows. Permafrost underlies most of the area.

Soil cover, while extensive, is thin and primitive. Glacial till covers much of the area, typically most pronounced in valley bottoms.

The Groundhog Creek area has a subarctic climate, with average summer temperatures of $10^{o}C$ and an average winter temperature of $-25^{o}C$. Precipitation is moderate and the snow pack averages 1 - 2 metres.

The "Pass Road" in mid May, 1988

Spring road conditions and snow pack thickness

CAMP AND ACCOMMODATION

An all season trailer camp is on the property. Prior to the 1988 program, camp consisted of 1 - 3.1m X 14.7m kitchen trailer, 1 - 3.1m X 12.2m sleep trailer with washroom and shower, 1 - 3.1m X 9.2m sleep trailer with washroom and shower, 1 - 2.5m X 9.0m 5th wheel trailer, 1 - 3.6m X 4.2m office wall tent, and 1 - 6.1m X 12.3m X 4.0m high steel quonset hut or shop. Electrical power was supplied by a 10 KVA Lister generator. A 1.9m X 9.0m portable fuel sleigh on skids held 5 - 500 gallon (2,273 litre) fuel tanks.

During the early stages of the 1988 program, 3 additional trailers were added to camp. Two (2) sleep trailers measuring 3.1m X 13.9 m and one (1) office/First Aid trailer measuring 3.0m X 12.9m were positioned together, and formed the principle crew quarters. Two (2) washrooms and showers were installed in one of the sleep trailers, and a 2.8m wide dry was built at the main entrance.

The former office wall tent was modified into a core shack, complete with a rock saw and hydraulic core splitter. Three (3) 1000 lb propane tanks were installed in the northwest corner of camp. A 21KVA Ford diesel generator was leased and supplied electrical power. A 500 gallon tank was installed to supply fuel for the generator. The old Lister genset was left in place as an emergency backup.

Two (2) storage wall tents were brought over from the MPR camp (3.0m X 3.7m and 2.5m X 3.7m) and are located near the shop. Commercial core racks complete with a roof were built immediately south of the core shack. There is presently room for an additional 440 boxes (6,600 ft) of HQ drill core.

Basically, there is adequate camp, diesel fuel, and propane for camp start-up in early 1989.

Groundhog Creek Camp - 1988 Ketza Project

Groundhog Creek Camp, Ketza Project, from the air looking West towards the Canol Road

PROPERTY STATUS

The Ketza Project consists of 403 contiguous mineral claims located on claim sheets 105/F-10 and 105/F-11 as registered with the district mining recorder in Watson Lake, Yukon (Fig.2). Details are listed below:

Table 1 - Claim Information

Claim	Grant Numbers	Number of Claims	Renewal Date
Jeff 1-4	YA45703-YA45706	4	12 Sept. 1993
HI Grade	YA75317	1	12 Sept. 1993
HV 1-13	YA90984-YA90996	13	12 Sept. 1993
HV 14-16	YA98612-YA98614	3	12 Sept. 1993
HV 17-66	YA99466-YA99515	50	12 Sept. 1993
HV 67-75	YA99558-YA99566	9	12 Sept. 1993
HV 76	YA99567	1	12 Sept. 1994
HV 77-118	YA99568-YA99609	42	12 Sept. 1993
HV 119-134	YB00695-YB00710	16	12 Sept. 1993
HV 135-194	YB01189-YB01248	60	12 Sept. 1993
HV 197-214	YB01249-YB01266	18	12 Sept. 1993
HV 215-244	YB01725-YB01754	30	12 Sept. 1993
HV 245-252	YB01755-YB01762	8	12 Sept. 1992
HV 253-268	YB01763-YB01707	16	12 Sept. 1993
HV 270, 272, 274, & 276-278	YB01708-YB01713	6	12 Sept. 1993
HV 279-290	YB01773-YB01784	12	12 Sept. 1993
HV 291-302	YB01785-YB01796	12	12 Sept. 1992
HV 303-324	YB01797-YB01818	22	12 Sept. 1993
HV 325-330	YB01819-YB01824	6	12 Sept. 1992
HV 331-336	YB01825-YB01830	6	05 Oct. 1992
HV 337-348	YB01831-YB01842	12	12 Sept. 1993
Hog 1-38	YB00338-YB00375	38	16 June 1993
Caribou 1-3	89296-89298	3	27 Sept. 1993
Ben 15	Y13597	1	27 Sept. 1993
Ver 1-9	YA90975-YA90983	9	12 Sept. 1993
Ver 10-11	YA98610-YA98611	2	12 Sept. 1993
Ver 12-14	YB01843-YB01845	3	12 Sept. 1993
TOTAL CLAIMS		403	

The writer examined some of the claim posts in the No.2, No.3, PN and Lucky Zone areas. Posts and staking appear to conform with the Yukon Quartz Mining Act and regulations.

TO ROSS RIVER

SOUTH CANOL ROAD

GROUNDHOG CREEK

SEAGULL LAKES

HOG 1-38
(YB00338-YB00375)

HV 215-262
(YB01725-YB01772)

HV 279-336
(YB01773-YB01830)

HV 119-134
(YB00695-YB00710)

HV 135-176
(YB01189-YB01230)

HV 177-194
(YB1231-YB01248)
HV 197-214
(YB01249-YB01266)

BEN 15
(Y13597)

CARIBOU 1-2
(89296-89297)

VER 12-14
(YB01843 - YB01845)

CARIBOU 3 - (89298)

VER 1-9
(YA90975-YA90983)
VER 10-11
(YA98610 - YA98611)

HV 263-268,270,272,274,276-278
(YB01702 - YB01713)

HV 1-13 (YA90984-YA90996)
HV 14-16 (YA98612-YA98614)
HV 17-66 (YA99466-YA99515)
HV 67-118 (YA99558-YA99609)

HI GRADE
(YA45137)

JEFF 1-4
(YA45708-YA45706)

0 500 1000 1500 2000 2500
METRES

NOTE: HV 216 - (YB01726)
IS NOT SHOWN ON THIS PLAN.

YUKON MINERALS - PERREX J.V.

KETZA PROJECT
CLAIM PLAN

GROUNDHOG CREEK, YUKON TERRITORY

N.T.S.: 105 F/10	REVISED: R.H. POLARIS Consulting	DATE: DEC., 1988
SCALE: 1 : 50,000	DRAFTING: INTEGRAPHICS LTD.	FIGURE: 2

EXPLORATION HISTORY

The Lapie, Nisutlin and Ketza River drainages were first prospected for placer gold in the early 1900's. Several Ag-Pb-Zn veins were discovered near the Ketza River on the Iona Silver property in 1907. The Geological Survey initiated preliminary reconnaissance in the 1930's, but the area remained mostly unexplored prior to construction of the Canol Road during World War II.

The first documented mineral exploration in the Groundhog Creek area was by British-Yukon Exploration Company, who conducted several seasons of prospecting in the mid 1950's. The Tet claim group was located by Harry and Pete Versluce in 1956 over galena veins on behalf of British-Yukon Exploration Company. The claims were allowed to lapse and restaked several times, and the newly staked Ben and AG claims were vended by the Versluce brothers indirectly to Canol Mines Ltd. in 1966. By 1967, Canol Mines Ltd. acquired a total of 72 claims on the divide between Groundhog and Seagull Creeks. The company continued to stake and option ground in the area, and by 1969, the Seagull Lake Property consisted of 521 claims, 497 owned and 24 under option.

Canol Mines Ltd. located and tested several Ag-Pb-Zn veins and occurrences by trenching and diamond drilling during the period 1966-1969. Occurrences proved to be of limited size and grade, and all work ceased until the late 1970's, when the Silver Arrow Syndicate highgraded the No.1 Vein (Silver Arrow). Past work on the No.1 Vein by Canol Mines Ltd. drill indicated 2820 tons grading 20.3 oz Ag/ton and 42.5% Pb.

Approximately 4 km to the south, the Jeff 1-4 and Hi Grade claims were staked by H and P Holdings in 1979 to cover several galena float trains. Initial samples collected by H. Versluce assayed up to 135.32 oz Ag/ton. In 1981, Great Western Petroleum Corporation surrounded the Jeff 1-4 and Hi Grade claims with the Lorne 1-55 claims.

Great Western conducted reconnaissance level rock, soil and stream sediment sampling over what is presently a portion of the project area. Silver values of 18.65 oz Ag/ton were reported from a galena vein in dolostone, presently known as the Jill Vein. Several isolated and limited occurrences of narrow fracture filling and clotted galena were reported, with relatively low silver values. Stream sediment and soil samples returned background to weakly anomalous values in Au-Ag-Cu-Pb-Zn. The Lorne claims were allowed to lapse in 1983.

In May 1986, the HV 1-12 and VER 1-9 claims were staked by H and P Holdings and added to the original block. A limited blasting program in September of the same year on a galena float train on the Jeff claims revealed a 3 metre wide galena vein. Broken galena and frozen gouge from what is now referred to as the PN Vein assayed 108.6 oz Ag/ton.

Yukon Minerals Corporation entered into an option agreement with H and P Holdings in October of 1986. The HV 13-66, Ver 10-11, Ben 15, and Caribou 1-3 claims were added to the original block. In 1987, the claim block was enlarged to 403 contiguous claims with the addition of the HV 67-348, Hog 1-38, and Ver 12-14 claims.

Perrex Resources Inc. was granted the right to earn a 30% interstest in the property in 1987, by providing exploration funding for the 1987 and 1988 programs. An aggressive surface exploration program followed in 1987, where known Ag-Pb-Zn occurrences were investigated and several new target areas were defined. The program consisted mainly of prospecting, geological mapping, sampling, a limited VLF survey, and backhoe trenching. The camp was enlarged, an expansive road network was initiated, and the access road was

significantly upgraded. Several promising drill targets resulted from the '87 program, and were subsequently tested in 1988.

Presently in the Seagull Lakes District, there are more than 1,700 mineral claims in good standing. Equity Silver Mines conducted a 12,000 ft diamond drill program on the adjacent Ram Property in 1988, and Pacific Comox Resources plans additional work after a successful 1988 drill program of 2,780 ft on the nearby Tay - LP property.

Mention should be made of the Ketza River Mine, jointly owned by Canamax and Pacific Trans Ocean, approximately 30 km east of Seagull Creek. A chimney-manto oxide/sulfide gold deposit is presently being mined with oxide reserves of 250,000 tons grading 0.350 oz Au/ton and geological sulphide reserves of 550,000 tons grading 0.220 oz Au/ton. (Northern Miner, Jan 2nd, 1989)

REGIONAL GEOLOGY

"The Groundhog Creek area is underlain by Lower Cambrian to Mississippian carbonate and clastic rocks of the Cassiar Platform that was deformed during Mesozoic arc-continent collision, and uplifted during intrusion of the Nisutlin Batholith" (G.S.Davidson, 1987). The area is referred to as the Seagull Uplift, and was mapped and interpretted by G. Abbot in 1985 (Abbot 1986).

The oldest rocks in the area are Early Cambrian calcareous mica schist and marble which are overlain by late Cambrian and Early Ordovician phyllite, containing local mafic tuffs and flows. The phyllites are overlain by Ordovian and Silurian black graptolitic shales.

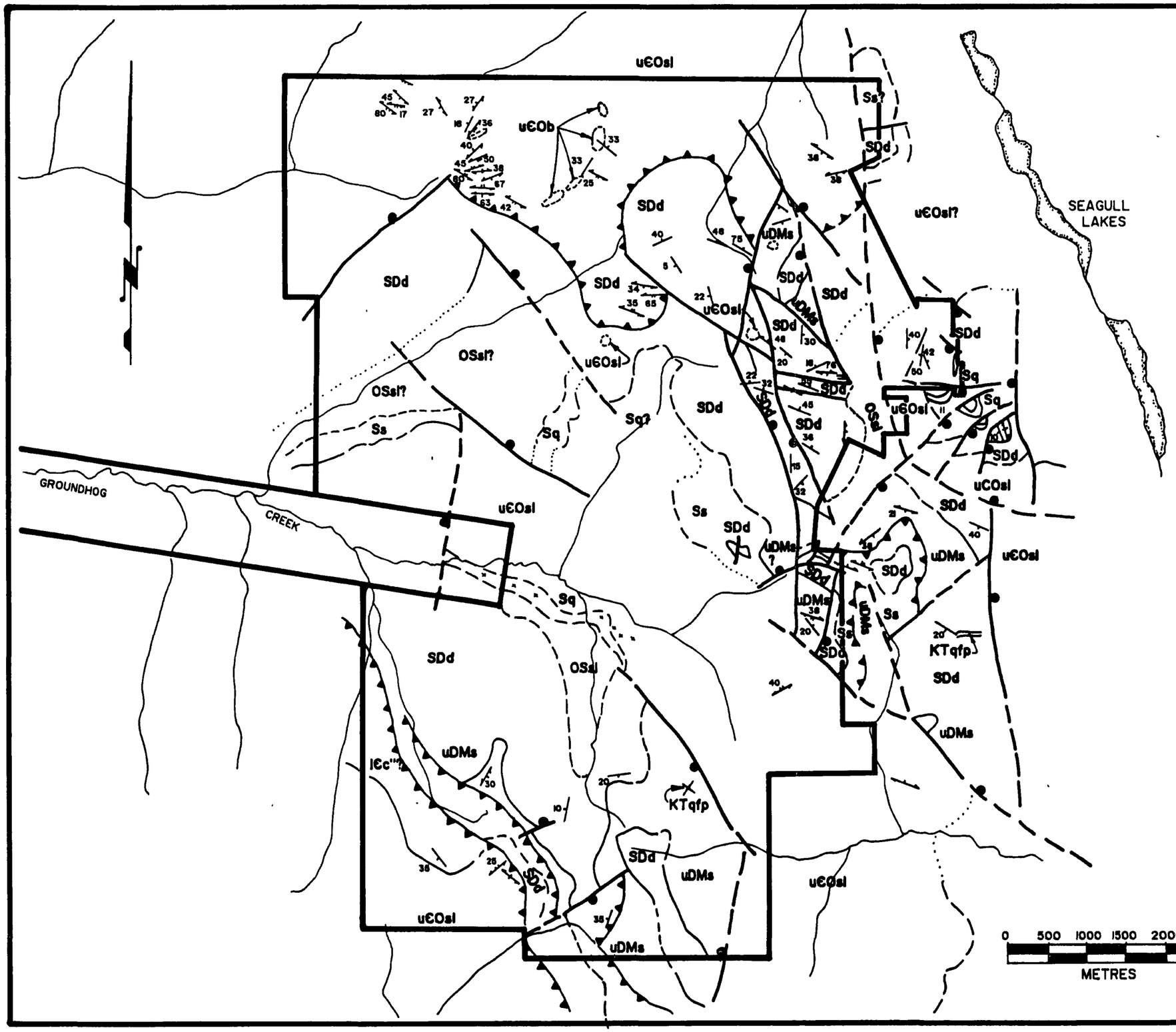
A resistant assemblage of Silurian-Devonian dolostone, phyllitic dolostone, fossiliferous dolostone, carbonaceous dolostone, and phyllite overlays the black shales. Ranging in thickness from 300 - 1500 metres, it is this succession of carbonate rocks that hosts Ag-Pb-Zn mineralization on the Ketza Property. Overlaying the carbonates are Late Devonian and Mississippian black shales, chert, and grit.

This miogeoclinal sequence is cut by numerous large scale thrust faults and later normal faults, formed during uplifting and subsequent subsidence from late Jurassic to Early Tertiary times. Ag-Pb-Zn mineralization is hydrothermal in nature and confined mainly to normal vein faults. Carbonate-shale contacts and late stage mafic dykes also play a major role in localizing sulfide mineralization.

PROPERTY GEOLOGY

The claims area has undergone limited regional scale mapping by Abbot (1985) and Ramaekers (1988). Reconnaissance level and grid mapping at 1:1000 scale was carried out in 1987 over the main showing areas by G.S. Davidson et al. The only 1:1000 scale mapping carried out during the 1988 program was in Area B by M. Issigonis. The mapping performed by Abbot (1986) provided an excellent base (Fig.3) for further work.

Overall metamorphic grade can be classified as Lower Greenschist Facies. All lithologic units described above in "Regional Geology" occur within the claims area. Work by Ramaekers more or less conforms with Abbot's lithological divisions. Some questions have been raised however, pertaining to large scale thrust faulting, as put forward by Abbot (Ramaekers, 1988).



LEGEND

CRETACEOUS AND (?)EARLY TERTIARY

- KTqfp — Dark green, fine grained biotite-bearing mafic dikes. Minor quartz feldspar porphyry.
- Kg — Homogenous, medium grained, biotite quartz monzonite.

LATE DEVONIAN AND MISSISSIPPIAN

- Mv — Undifferentiated felsic and mafic volcanics, hornblende syenite and black shale.
- uDMs — Black shale, chert grit, and chert conglomerate.

SILURIAN, EARLY AND MIDDLE DEVONIAN

- SDd — Buff, grey, and red weathering dolomite, with lenses of massive quartz arenite.
- Ss — Grey weathering platey, thinly laminated dolomitic siltstone.
- Sq — Massive grey weathering quartz arenite.

ORDOVICIAN AND SILURIAN

- OSsl — Black, graptolitic shale, minor chert.

LATE CAMBRIAN AND EARLY ORDOVICIAN

- uEOsl — Grey-buff weathering thinly laminated calcareous phyllite, tuffaceous phyllite, with some mafic tuffs, and flows.
- uEOb — Resistant dark green mafic flow or sill.

EARLY CAMBRIAN

- lEcsl — Grey weathering calcareous mica schist and marble.

Geological contact: defined, approx., assumed

Bedding: inclined, vertical

Foliation: phase 2, phase 1, inclined, vertical

Steep dipping fault: sense of movement unknown: defined approx.

Normal fault: defined, approx.

Thrust fault: defined, approx.

GEOLOGY FROM J.G. ABBOTT, YUKON GEOLOGY VOL. I

YUKON MINERALS - PERREX J.V.

KETZA PROJECT
GEOLOGY

GROUNDHOG CREEK, YUKON TERRITORY

N.T.S.: 105 F/10	REVISED: R.H. POLARIS Consulting	DATE: DEC., 1988
SCALE: 1 : 50,000	DRAFTING: [illegible] GRAPHICS LTD.	FIGURE: 3

The following rock types occur on the property:

a) Early Cambrian (lEcsl) Calcareous and tuffaceous phyllite:

"The oldest rocks on the property, of Upper Cambrian to Ordovician age, are recessive weathering phyllite which generally occupies low lying ground except where up-thrusted. Typically, they are grey to buff weathering, thinly laminated and very lusterous. Quartz veins and boudins are common. The phyllite contains minor pyrite and occassionaly lenses or veins of massive pyrite-pyrrhotite. Phyllite outcrops along stream banks in the centre of the property and as klippen along ridge crests in the north central part of the claims" (G.S. Davidson, 1987).

The discovery of the "Strat Zone" in 1988 by the regional crew illustrates that Cambrian sediments in the property area may also host "laminar and disseminated fine grained galena, sphalerite, and minor chalcopyrite, pyrite, and silver" (Ramaekers, 1988).

b) Ordovician and Silurian (OSsl) Black graptolitic shale, minor chert:

"Fairly limited in extent, the recessive weathering graptolitic shale of Ordovician to Silurian age occupies valley bottoms and was only found along Groundhog Creek and in deep cat trenches excavated by Canol Mines, south and west of the Silver Arrow (No.1) Vein. The black calcareous shale uncomformably overlies phyllite. Mineralization in the shales is very patchy and consists of lenses of pyrite and galena in close proximity to large quartz veins. The only significant showing is on the adjoining RAX-PAX claims, where a large area has been stripped of overburden, exposing several narrow discontinuous lenses of galena occurring in fault or shear zones in shale" (G.S.Davidson, 1987).

The limited property work by the 1988 regional program failed to locate black shale or graptolites of this description, and Ramaekers questions whether this Ordocician unit may not in fact be represented by platey, thinly laminated dolomitic siltstone (Ramaekers, 1988).

c) Silurian, Early and Middle Devonian Dolostone - D, Silicified Dolostone - Ds, Phyllitic Dolostone - Dph, Amphipora Dolostone - Damphi, Carbonaceous Dolostone - Dcb, and Silicified Dolostone with bands of Black and Grey Quartzite - Ds(Qz+Ph).

On the Ketza Property, all major Ag-Pb-Zn zones are hosted by this assemblage. Up to 1500 metres thick, this resistant carbonate and lesser clastic assemblage underlies much of the property and outcrops extensively on steep valley walls.
Diamond drilling, 1:1000 scale mapping in the No.2 and No.3 Zones area, and underground mapping has resulted in the definition of at least 6 litho/biofaces within this assemblage. They are, from oldest to youngest:

D:	massive, medium grained dolostone
Ds:	fine grained, serecitic silicifed dolostone
Dph:	phyllitic dolostone with bands of silicified dolostone
Damphi:	amphipora (stromatoporoid) dolostone
Dcb:	black, fine grained carbonaceous dolostone with minor phyllite
D(Qz+Ph):	silicified dolostone with bands of black and grey quartzite, cross bedded siltstone and phyllite

d) Upper Devonian to Mississippian (uDMs) Black Shale, Chert Grit, Chert Conglomerate and Syenite Dykes:

Comprising the youngest sedimentary rocks on the property, this interval is generally recessive weathering. Black shales of this age are observed to be in fault contact with dolostone at the Groundhog Zone. "Chert grits and conglomerates containing small stretched chert pebbles in a graphitic matrix outcrop on a ridge top 500 m east of the PN Vein. The shales and conglomerates occcasionally contain quartz veins with minor galena and tetrahedrite" (G.S.Davidson, 1987).

Thin, locally brecciated fine to medium grained syenitic dykes of probable Mississippian age are observed to occur in No.2 Zone underground and north of the portal. They probably developed along old fault zones, which were later conduits for mineralizing solutions.

The black shale interval is observed to play a critical role in localizing and trapping ore solutions in the Lower Silurian and Devonian dolostone assemblage on the Ketza Property. This same trapping mechanism, involving similar lithologies of the same age, was responsible for the formation of the Midway deposit, in northern B.C.

e) Cretaceous and (?) Early Tertiary Andesite (?) Dykes:

Thin, discontinuous fine grained mafic dykes occur in north trending swarms, particularly in the Jenny PS Zones area. Although not observed to be directly related to mineralization on the Ketza Propery, a 1-2 metre andesitic dyke is observed in the immediate footwall of the Geo Zone situated in the south adjoining MPR Property (G.S.Nicholson, 1988). Andesite dykes of this age are intimately associated with high grade Ag-Pb-Zn vein deposits on Silver Hart Mines Ltd. Hart Property, located in the Rancheria District, southern Yukon.

STRUCTURE

The Ketza property overlays what is referred to as the Seagull Uplift, a complexly faulted arch bounded to the north and south by the Seagull Thrust and Pass Peak Thrust respectively. "The pattern of faulting and uplift documented for the Seagull Uplift resembles that seen in the Ketza Uplift where fault orientations and overall sense of movement indicates local doming centered a short distance west of the Ketza River deposit." (G. Abbott, 1986)

A quartz monzonite plug located 5 km east of the Ketza property may be responsible for the uplift and complex fault system observed on the property. Most known mineral occurrences on the Ketza property are structurally and lithologically controlled hydrothermal vein/fault breccias. Varying in width from 0.5 cm to 10's of metres, massive and replacement sulphide mineralization occurs in steeply dipping NNW-NNE striking faults. "The spatial association of epigenetic mineral deposits to the Ketza-Seagull Arch suggests that the two are genetically related."(G. Abbott, 1986)

MINERALIZATION

Silver-lead-zinc mineralization occurs on the Ketza property in five modes, or combinations thereof, as listed below:

1. Massive/clotted galena and lesser freibergite in quartz stockwork. eg. Groundhog, PS Zones

2. Euhedral tetrahedrite (freibergite) in vein quartz eg. Versluce vein

3. Massive galena, with minor freibergite, sphalerite, pyrite, chalcopyite, and oxide counterparts. eg.PN, Lucky, Ray Zones.

4. Fracture controlled and replacement hydrothermal galena and sphalerite with quartz and iron carbonate in breccia, commonly occurring within or proximal to an oxide core. eg. No.2, No.3 Zones.

5. Narrow "stratiform" veins of fine galena, sphalerite, and pyrite in quartz and iron carbonate occurring in Cambian phyllites. eg. Strat Zone

The highest silver values occur with type 3 mineralization, but to date, the most economic in terms of total metal content is type 4 mineralization. Type 5 mineralization has only recently been recognized, and offers considerable potential, since the largest base metal deposits in the Yukon (Faro, Vangorda, Grum) are of this type.

Nine (9) main mineralized zones were trenched, mapped, and sampled in detail during the 1988 surface program. Two (2) zones were stripped and sampled in detail, and an additional two (2) zones were partially exposed. Several other showings were documented by Paul Ramaekers (1988), and grouped into seven (7) regional trends.

As part of a 1989 BSc Honors thesis at the University of Alberta, Rob Klettl is currently conducting a thin section study of diamond drill core from No.3 Zone. The study should reveal silver and sulfide mineralogy, paragenesis, ore controlling features, and better define host and wallrocks present in No.3 Zone.

EXPLORATION PROGRAM

1. Introduction

The 1988 Ketza Project consisted of both surface and underground exploration for Ag-Pb-Zn mineralization. The surface program was initiated in mid April, and was essentially completed the first week of September. The underground program took place during the period September 1st - October 27th. Camp was winterized and evacuated on October 28th, 1988.

The 1988 Ketza Project mandate was:

- upgrade and enlarge base camp.
- drill test the Groundhog, No.2, No.3, PN, and Lucky Zones.
- strip, detail map and sample major mineralized zones.
- establish an ore reserve base.
- upgrade main and PN access roads.
- grid geological mapping of the No.2 and No.3 area.
- continued prospecting, evaluation, and generation of new targets. (Regional Program)
- target key claim posts and survey stations and conduct an airborne photographic survey of the claims area.
- apply physical work as property assessment to ensure maintenance of claims.
- tag remaining claims and survey key boundary posts.
- Obtain water samples on a regular basis from selected locations and monitor daily temperatures, precipitation, wildlife sitings, etc. for environmental impact pre-feasability study.
- drive 300 metre drift and slash drill stations to facilitate underground drill testing of No.2 and No.3 Zones at 1750 metre level.

2. Diamond Drilling

Two phases of surface diamond drilling tested 5 Ag-Pb-Zn zones (Groundhog, No.2, No.3, PN and Lucky Zones) and their extensions during the period May 14th to August 29th. A total of 2,286 metres was drilled in 45 wireline holes. To maximize core recovery, the "triple tube face injection" method was utilized and core size was HQ.

The drill contractor was E. Caron Diamond Drilling Ltd., of Whitehorse, who used a skid mounted diesel drill with hydraulic boom. All holes with assays and geology are plotted on plans and sections and are part of this report. The drill logs have been completed and previously presented to Yukon Minerals Corporation.

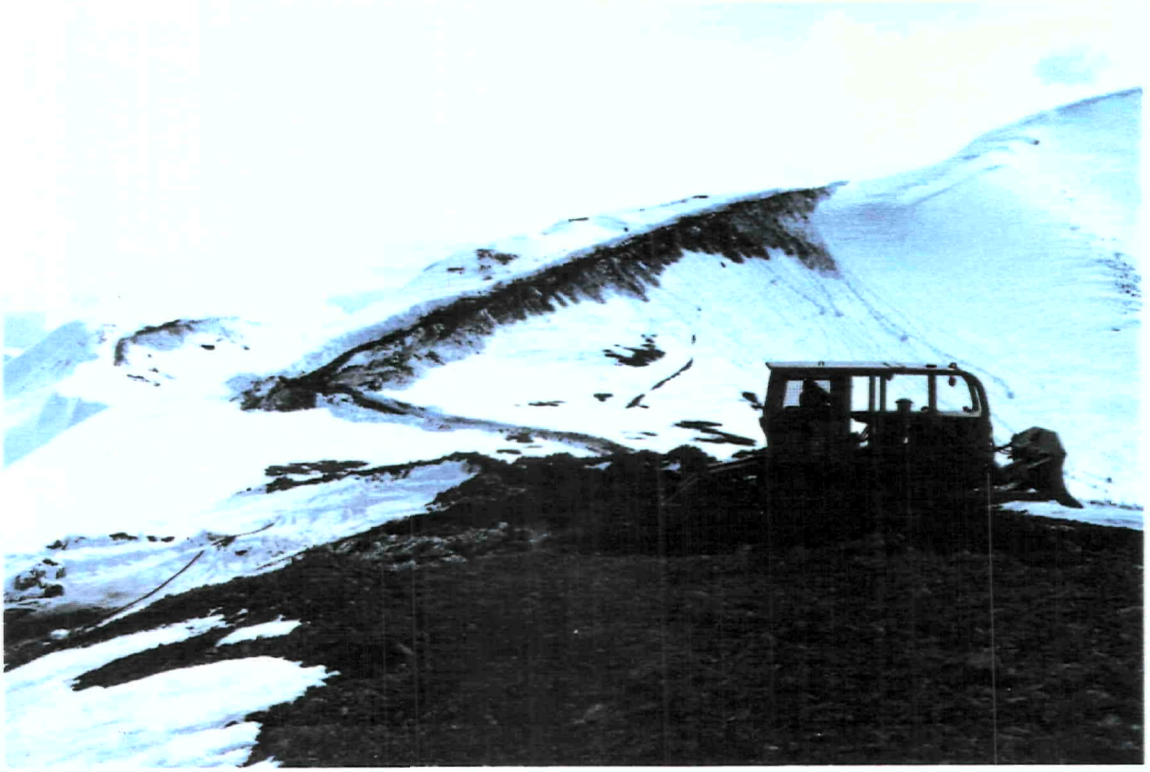
Drilling provided a significant drill indicated reserve base on most targets. Core recovery was very good, averaging 90 - 95%. Although it has been argued that conventional drilling would have proceeded much faster and in a few instances achieved similar core recovery, it was felt that it was much more practical to make underground exploration decisions based on recovered core and real assays rather than postulated vein zones through zones of poor or no recovery.

Ensuring an adequate drill water supply was very labour intensive, locating and digging sumps, laying plastic lining in sumps, installing and monitoring victolic pipelines, etc.. Drilling at elevations above 1,800 metres in early May was hampered by limited meltwater runoff and freezing conditions. In spite of adverse conditions, downtime was kept to a minimum. Water pipelines coupled with high pressure hose up to 1,000 metres in length with a vertical lift of 270 metres were not uncommon. Propane coil heaters were on line and used as required.

Drill pad construction with D7G or D7E caterpillar was slow and costly owing to permafrost and difficult terrain, in particular, the No.3 Zone. Some cost was saved by drilling more than one hole on section from the same setup, where possible. The higher core angle to the zone in the steeper holes did not seem to negatively affect core recovery. The best daily footage rates and core recovery appeared to be related to the ability and care taken by the individual drillers.

The company recently purchased a 1969 International 1700 Loadstar 4 X 4 water truck, complete with 2 - 600 gallon tanks and 1 - 400 gallon tank. Water hauling for future underground and surface diamond drilling would eliminate the costly installation and maintenance of long water lines.

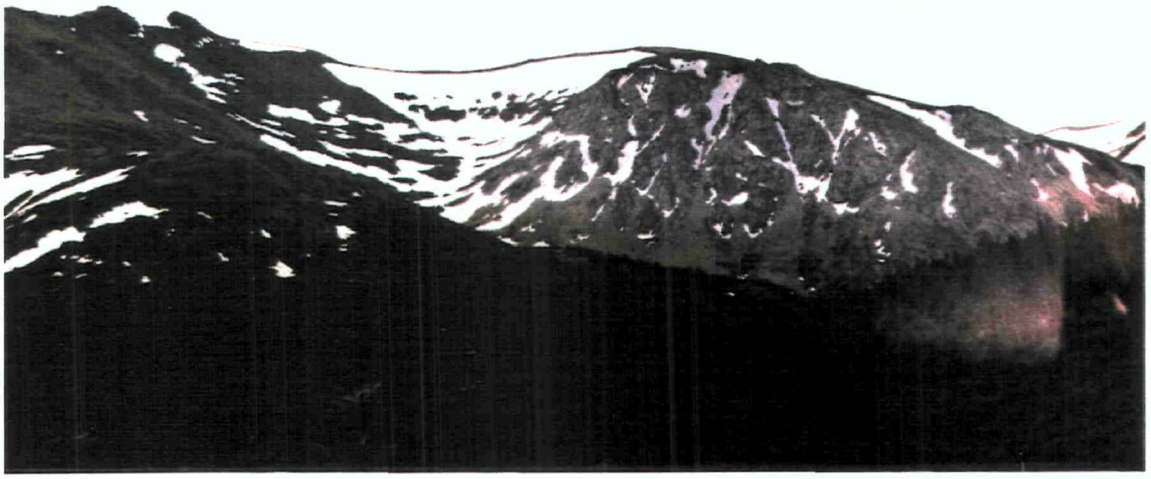
All drill core is presently stored at the main camp racks.



Diamond drill pad construction - Groundhog Zone

Diamond drill move - No.3 Zone

Diamond drilling on PN Zone - note water line and pipe in foreground. Looking North towards camp.



Diamond drill on PN Zone, looking from camp

3. Trenching

Eighteen thousand eighty (18,080) cubic metres of soil and rock was removed from trenches, and 11,040 cubic metres was moved from 17.5 kilometres of side hill cuts and access routes - for a total of 29,120 cubic metres during the 1988 Ketza Project. These figures include lengths and volumes calculated by Ramaekers in his 1988 report.

The trenching program was accomplished with 2 bulldozers, 1 loader/excavator, and 1 excavator. Ampex Mining Ltd. of Whitehorse supplied a 1983 D7G bulldozer with ripper, a 1966 D7E bulldozer with ripper, and a 1981 JD450 John Deere with a 610 backhoe. Grant Stewart Construction Ltd. of Watson Lake supplied a 1988 215B Caterpillar excavator.

In addition to installing culverts and upgrading roads, the excavator proved most effective while trenching on steep slopes and in areas of deep overburden.. A 1.5 yard cleanup bucket with no teeth left a smooth, workable trench bottom, and subsequent hand mucking and trench washing was kept to a minimum. Due to the presence of permafrost, the excavator would dig as deep as practical, and work elsewhere while the ground was allowed to thaw somewhat prior to further excavating. This proved to be slow and frustrating, but not without rewards.

The bulldozers could move more material at a given time on side-hill cuts, and by systematic cross trenching suspected vein zones, achieves the desired result in the least amount of time.

Compressed air from a portable 2 cylinder Atlas Copco compressor was used to clean sample lines prior to channel sampling. Groundhog Zone had a nearby water source, and was washed by means of a gas powered high pressure fire pump.

The trenching program succeeded in deepening and extending all the major 1987 trenches, as well as opening up several new showings. Followup trenching in 1989 will undoubtedly deepen existing trenches and penetrate well into bedrock.

It would be hard to improve on the type of equipment and quality of operators during the 1988 trenching program. There was no downtime due to mechanical failure, and by systematically working one area at a time, very little walking time was incurred.

It would be easy to underestimate the technical manpower required to keep on top of the trenching program. Even with experienced operators, targetting an individual excavator or bulldozer can be nearly a full time job, and backup crew is necessary for surveying, sampling, and mapping.

Trenching and diamond drilling No.3 Zone, looking South

Trenches and side hill cuts on Big Mountain, looking north along Versluce Trend from No.2 Zone

4. Geophysics (Drawing Nos. B-GY1 and B-GY1A)

A limited VLF-EM survey was carried out over the northern trace of No.2 and No.3 Zones in mid-October. A Geonics EM-16 instrument, utilizing the Cutler, Maine channel was used by M.Issigonis in an attempt to attain a geophysical response of known mineralized structures. All readings were taken facing southwest.

Drawing Nos. B-GY1 and B-GY1A show profile plans and Frazer Filter interpretation of the Cutler channel data. The survey indicated several conductive structures exist within the survey area and collaborated with known subsurface data. Probably the most surprising feature is the poor response over No.3-A Zone, indicating a dramatic loss of conductivity, and probably metal content.

The VLF method appears to be a effective, low cost method of accurately locating mineralized fault structures in suspected areas, and it's use should be continued in a similar fashion.

5. Underground Program (Drawing Nos. BU-A1, BU-G1)

Due to high drill costs, extreme topography, and the short field season, it was decided that the most practical method to continue drill exploration of No.2 and No.3 Zones was from underground.

A pad and 1.2 km portal access road spurring off the No.2 - 3 Zones access road were built in September. Mainstreet Mining Ltd. of Whitehorse was contracted to collar a portal and drive a 2.5m X 3.0m trackless exploration drift during the period September 1st - October 27th.

A complete lack of drill water at the portal elevation made it necessary to transport water from a lower creek. An overall steep grade and winter conditions made it impossible to haul fuel and water to the portal by means other than D7 caterpillar. A 1000 gallon fuel tank trailer and 500 gallon water tank trailer were pulled to the portal on a regular basis and contents were pumped over to on site storage tanks.

The portal was collared approximately 200 metres below and between No.2 and No.3 Zones towards the north. A 912D EIMCO Scooptram with a 2 yard bucket was the principle mucking machine, and compressed air was provided by a portable 800 CFM Gardner Denver air compressor.

Nine drill stations were slashed along 294 metres of 2.5 m x 3.0 m drift, on a bearing of 118 degrees azimuth. Grade was set at 1%, and a 6 metre sump was driven well below grade towards the entrance in hopes of collecting water returns.

Ground conditions proved excellent, with minimal ground support required. Permafrost conditions prevailed to the face, and no water was encountered. A fault breccia bordered by a highly sheared felsic dyke was encountered 8.0 metres in from the last portal timber. Striking 130 degrees and dipping 60 degrees towards the east, the structure is believed to represent No.2 Zone, and was followed for 32 metres.

Irregular pods of oxide with clotted galena occurred along the hangingwall in silicified dolostone. Mineralization was observed to terminate quickly in areas with a phyllitic hangingwall. Overall silver-lead-zinc values were low, but a selected grab sample of oxidized material returned 6.14 oz Ag/ton, 18.35% Pb, 5.90% Zn, and 453 ppb Au.

Values such as these are very encouraging, considering the drift is 115 metres below the deepest drill hole intersection on No.2 Zone (Hole YM88-20).

The drift was directed away from No.2 Zone and driven on a straight 118 degree azimuth line drive to stay between No.2 Zone and No.3 Zone projections. Nine (9) diamond drill stations were slashed along the drift so both structures could undergo drill testing from the same setup on each section.

The drift penetrates a relatively undisturbed, unaltered package of interbedded dolostone, serecitic dolostone, phyllitic dolostone, phyllite, quartzite, and minor felsic dykes/sills. Overall bedding/foliation trends east-west, striking (090-115 degrees) dipping gently (25-40 degrees) towards the north. Early bedding plane thrust faults are observed to be offset by high angle north-south wrench faults with a minor vertical component. Narrow tensional barren quartz stringers are associated with the second phase of faulting. In the vicinity of No.2 Zone, these north-south faults were observed to curve into and terminate against the 130 degree striking structure.

It is believed that the drift ends in the immediate hangingwall of No.3 Zone. A marked increase in brecciation and silicification was noted, and a 165-170 degree striking rubble breccia occurs on the present face. Although massive sulphide mineralization was not observed, fine sphalerite and galena was noted in panned concentrate of this material. Host rock at the face is very silicifed, but mostly phyllitic in nature. This probably explains the lack of significant sulphide mineralization.

The structure appears to be very strong and large, even though it is only the hangingwall that is presently visible. Four (4) 20 ft jack leg test holes were layed out at the face, but mechanical problems prevented their drilling. A diamond drill hole at the face is the most effective method for testing this structure.

In compliance with Yukon Mining Regulations, the portal was sheeted in and sealed with plywood at the end of the 1988 Program.

1747 metre Level Portal entrance, with 912D scooptram

Cat train of fuel and water to portal

Portal access road (in distance) in early October, looking from Pass road north of camp

6. Bulk Sampling Program

During the course of the 1988 surface program, bulk samples were obtained from the PN, No.2 and No.3 surface trenches. Highgrade ore from PN Zone was bagged and shipped to Cominco's Trail B.C. smelter. Smaller, representative bulk channel samples of No.2 and No.3 Zones were shipped to Bacon, Donaldson and Associates of Vancouver B.C. for preliminary metallurgy work.

Three separate shipments of PN highgrade ore totalling 57.9340 tons averaged 119.78 oz Ag/ton, 72.65% Pb, 0.56% Zn, and 1.16% Cu.

Bulk samples averaging 70 kg were taken along existing sample lines from No.2 and No.3 Zones. Surface sample averages along with corresponding bulk sample assays are listed below:

Element	No.2 Zone Bulk	No.2 Zone Channel	No.3 Zone Bulk	No.3 Zone Channel
Au (opt)	0.018	0.011	0.014	0.013
Ag (opt)	3.378	4.07	3.602	5.67
Pb (%)	6.00	6.90	5.20	7.21
Zn (%)	2.36	3.62	3.44	4.57

No.2 Zone samples were from Line 6, across a width of 9.15 metres. No.3 Zone samples were from Line 0+80, across a width of 6.95 metres.

It is obvious that bulk sample assays are considerably lower than values derived by routine channel sampling of the mineralized zones. This may be the result of sampling procedures and was probably affected by severe weather conditions, as the bulk samples were taken in early October, and 30 - 60 cm of snow cover had to be removed.

Whatever the reason, site inspection in the Spring of 1989 will undoubtedly ascertain the credibility of the bulk sample values.

7. Air Photo Survey

Western Photogrammetry Ltd. of Edmonton, Alta. was contracted to supply 1:10,000 colored air photographs of the Ketza Project and MPR claims area. The area was flown on September 3rd, and is covered by 120 overlapping photographs in 6 north-south flight lines.

Key survey points and claim posts were targeted by white polyethylene and empty white ore bags for control purposes. There was a faint dusting of snow at the 6,000 ft + elevation during the time of survey, but the photographs proved very satisfactory. The majority of targets are visible, and will prove invaluable when topographic and control maps are generated.

8. Description of Area A (Fig.4, Drawing No. A-G1)

The PN, Lucky-MF, and Jill Zones are type 3 and lesser type 4 mineralization vein faults. All occur in Siluro-Devonian dolostone, which is overlain by younger black shale, grit and conglomerate. The PN and Lucky-MF zones underwent additional stripping, mapping, sampling, and preliminary diamond drilling during the 1988 program.

a) PN Zone

The PN Zone is a series of massive galena vein splays with an overall trend of N145-175^{o} 60-75^{o} SW, occurring on a lower bench of a north facing cliff. (Drawing No. AP-G1) Averaging less than 0.5 metres in width, the zone has been traced on surface for over 35 metres.

Detailed channel sampling in 1987 and 1988 returned an averaged surface grade of 28.94 oz Ag/ton, 19.52% Pb, and 3.45% Zn across 1.73 metres for a strike length of 30.40 metres. (Drawing No. AP-A1) The averaged Ag/Pb and Pb/Zn ratios were determined to be 1.48 and 5.66 respectively. A 57.934 ton bulk sample of PN highgrade ore returned an average grade of 119.78 oz Ag/ton, 72.65% Pb, 0.56% Zn, and 1.16% Cu.

Six diamond drill holes totalling 226.16 metres tested the PN Zone to 22 metres vertical in 3 fences 20 metres apart. As indicated on surface, the PN zone was observed to consist of a series of narrow anastomosing veins, with overall width and grade decreasing with depth. The best drill intersection was in hole YM88-23, which intersected vein material 15 metres vertical and returned 27.9 oz Ag/ton, 27.9% Pb, 11.8% Zn, and 0.25% Cu across a core length of 0.23 metres. Diluting to a minimum horizontal mining width of 4.0 ft, or 1.22 metres (as employed on similar vein deposits at United Keno Hill), this hole returned 5.80 oz Ag/ton, 5.46% Pb, 3.45% Zn, and 0.07% Cu.

Mineralogically, the PN veins consist of 70-90% massive galena (coarse cubic and steel), 5-20% clotted freibergite, 0-3% chalcopyrite, 0-5% pyrite, minor sphalerite, and 5-20% limonitic oxide. Accessory minerals include malachite, azurite, scorodite (?), mimetite(?), and anglesite. Gangue minerals are a minor constituent and include quartz and iron carbonate. Wallrock alteration is moderate (up to 1 metre) and consists mainly of silicification and serecitization. Stockwork galena and sphalerite veins (0.1 - 2.0 cm) commonly occur in the hangingwall.

Mineralization controls for the PN Zone appear to be two-fold. The maximum width and grade were observed on surface, at or near vein junctions, and immediately below an overlaying phyllite cap. Overall width and grade are observed to decrease with distance from these features. These are well documented ore controlling parameters in vein deposits, as evidenced at United Keno Hill and the Hart Silver Property.

The PN Zone remains open along strike towards the south and at depth. Due to the presence of the phyllite cap towards the south, conventional cross trenching along strike would not prove effective. A combination detailed geochemical and geophysical (VLF, Magnetometer) survey along strike is suggested to target diamond drill testing towards the south.

Probable and drill indicated reserves for the PN Zone are calculated to be 3,480 tons grading 13.74 oz Ag/ton, 9.90% Pb, and 5.25% Zn. (diluted to a minimum mining width of 1.22 metres)

10 ROSS RIVER SOUTH CANOL ROAD

GROUNDHOG CREEK

SEAGULL LAKES

AREA "C"

AREA "B"

AREA "A"

LEGEND :

MAIN ROAD.....

4 X 4 OR CAT TRAIL.....

CAMP..... Ⓒ

0 500 1000 1500 2000 2500

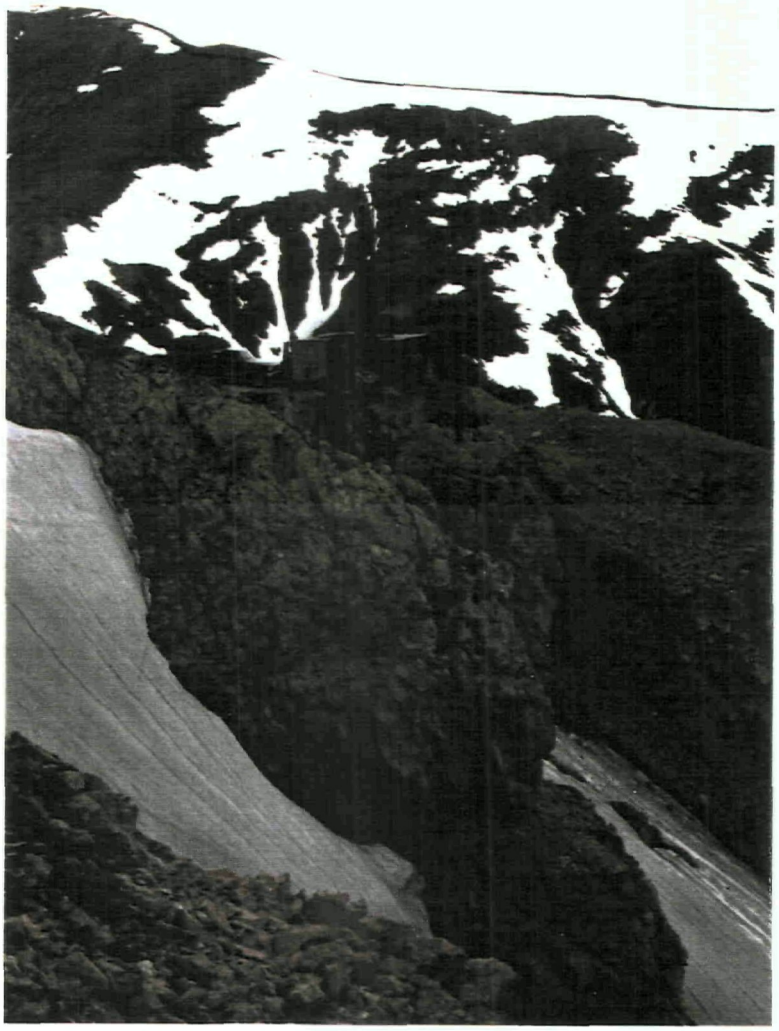
METRES

YUKON MINERALS - PERREX J.V.

KETZA PROJECT
PROPERTY PLAN

GROUNDHOG CREEK, YUKON TERRITORY

N.T.S: 105 F/10	REVISED: R.H. POLARIS Consulting	DATE: DEC., 1988
SCALE: 1: 50,000	DRAFTING: INTEGRAPHICS LTD.	FIGURE: 4



Diamond drilling on PN Zone, looking West

b) Lucky-MF Zone

The Lucky Vein zone lays 150 metres east of the PN, and strikes N140^{o} dipping 60^{o} towards the northeast. (Drawing Nos. A-G1 and AP-G2) Massive galena with minor sphalerite, chalcopyrite, and oxide material has been exposed along a strike length of 43.0 metres. Detailed mapping and channel sampling at 5.0 metre intervals returned an average surface grade of 12.72 oz Ag/ton, 6.46% Pb, 5.54% Zn, and 0.24% Cu across a width of 2.39 metres for the 43.0 metre strike length. Averaged Ag/Pb and Pb/Zn ratios are 1.97 and 1.17 respectively.

Located on a bench of a curved cliff facing north and east, the Lucky Zone was a difficult drill target. Vertical and steeply inclined holes in the dip direction were the only practical approach due to topography. Six holes were drilled totalling 171.3 metres in 3 fences over a strike length of 25 metres.

The best drill intersection came from hole YM88-25, returning an averaged grade of 5.25 oz Ag/ton, 4.46% Pb, and 4.75% Zn along a core length of 2.23 metres and a true thickness of 1.05 metres. This intersection occurred approximately 16 metres vertical at depth. Overall, the Lucky Zone was observed to narrow and decrease in grade with depth.

Prospecting and trenching 60 metres southeast and below the Lucky vein outlined what is possibly the southern faulted extension (MF Zone). A wide pod of mineralized dolostone breccia was partially exposed and was drill tested by 2 holes in a single fence. The best channel sample across the MF Zone averaged 3.96 oz Ag/ton, 5.10% Pb, 7.07% Zn, 0.11% Cu, and 0.002 oz Au/ton across 3.74 metres.

The MF Zone consists mainly of dolostone breccia, with sphalerite, massive to clotted galena, minor chalcopyrite, pyrite, malachite and azurite. A hand sized boulder of white, medium grained barite was exposed during excavation, but barite was not observed in place.

Located on a steep east facing cliff, and dipping down slope, the MF Zone was also a difficult trenching and drill target. Drill hole YM88-33 intersected 4.11 metres of oxide material 10 metres vertically at depth, averaging 1.19 oz Ag/ton, 0.22% Pb, 4.47% Zn, 0.04% Cu, and 0.002 oz Au/ton.

True width of this intersection is calculated to be 2.30 metres. Intersecting the MF Zone at 21 metres vertical on the same section, hole YM88-34 returned low values over a 0.25 metre silicified dolostone zone with minor euhedral pyrite and trace amounts of sphalerite and galena.

While the Lucky Zone remains open at depth, although apparently thinning and decreasing in grade, the MF remains open along strike to the south and the more promising exploration bet. The MF trench is located approximately 10 metres north of and striking into a younger black shale towards the south. Tracing the mineralized structure towards and under the shale cap into what is an ideal ore localizing environment could prove very rewarding.

Ore reserves for the Lucky and MF zones in the probable, possible, and drill indicated categories total 8,768 tons grading 5.45 oz Ag/ton, 3.40% Pb, 5.22% Zn, and 0.004 oz Au/ton.

c) Jill Vein

Located 400 metres southwest of the PN Zone, the Jill Vein and surrounding area underwent little followup exploration work in 1988. Originally known as the Lorne Vein, it is a 40 cm wide galena vein paralleling the PN Vein Zone. A 40 cm chip sample from an old blast pit returned 49.0 oz Ag/ton and 55.0% Pb. (G.S. Davidson, 1987)

Owing to steep topography and relatively low grades (as compared to the PN), the Jill Vein is not presently considered a major exploration target. The area, however, should be mapped on a grid scale to trace vein extent and determine mineralization controls.

d) Other Area "A" Mineral Occurrences

Two massive galena veins (Max and Crack) underwent preliminary examination and evaluation by the regional crew in the '88 season (Ramaekers, 1988). Located 120 and 230 metres south east of the PN respectively, these narrow, "PN" type veins presently warrant little further work.

9. Description of Area B (Fig.4, Drawing No. B-G1)

Area B hosts the most significant deposits outlined to date on the Ketza Project, namely the No.2 and No.3 Zones. Both zones were partially outlined by Canol Mines Ltd. during the period 1967 - 1969. Canol Mines Ltd. partially exposed and sampled No.3 Zone in 1968, and drill tested No.2 Zone in 1969 with 473 metres of BQ diamond drilling in 8 holes. It was concluded that the zones contained "local, discontinuous concentrations of sulphides in a particularly heavily fractured, but restricted section of rock" (Dolmage-Campbell, 1969).

Additional trenching in 1987 by Yukon Minerals Corporation on No.2 Zone uncovered "a weakly mineralized gouge filled fault" and "a massive galena vein (14 metres X 0.5 metres) in a fault zone" on No.3 Zone (G.S. Davidson, 1987). A 1.6 km access road to the No.2 and No.3 Zones was constructed in 1987, along with the installation of a 1.5 km picket grid and baseline.

During the 1988 program, No.2 and No.3 Zones underwent additional trenching, detail mapping and sampling, and diamond drill testing. The picket grid was enlarged, and a preliminary ground EM-16 survey was conducted and geological mapping of the area was carried out at 1:1000 scale by M. Issigonis (Drawing No. B-G1). Several other zones were outlined in the immediate area during the '88 program, including the Zeus, A, B (No.4 Vein), C, No.2-A, No.3-A, Delta, and Versluce Vein Zones.

All deposits in area B can be classified as Type 4 mineralization, that is, fault breccia hosted galena and sphalerite with oxide, and minor Type 2 and 3 massive galena, tetrahedrite and quartz veins. Most deposits are observed to occur in the D(amphi) or amphipora dolostone stratigraphic unit, and appear best developed proximal to the overlaying D(Cb) or carbonaceous dolostone/phyllite interval. Oxide material from all zones carries elevated gold values (300-2220 ppb), in particual, B or No.4 Vein, and C Vein.

a) No.2 and No.2-A Zones (Drawing No. BP-G5)

No.2 Zone is a broad mineralized fault zone in dolostone striking N130^{o} and dipping 45-60^{o} towards the northeast. Mineralogically, No.2 Zone consists of fracture controlled clotted and replacement galena and sphalerite, with appreciable sandy oxide material. A

significant amount of corroded, pebble sized vein quartz and iron carbonate occurs on surface as the principle gangue minerals.

The main showing was stripped, mapped, and sampled in detail. Average surface grade over a strike length of 37.50 metres was determined to be 4.13 oz Ag/ton, 6.81% Pb, 2.95% Zn, and 0.013 oz Au/ton across a width of 7.35 metres. Averaged Ag/Pb and Pb/Zn ratios are 0.61 and 2.31 respectively.

Seven drill holes tested No.2 Zone over a strike length of 490 metres and an elevation range of 230 metres. Six holes were over the main showing, drilled in 3 fences approximately 24 metres apart. No.2 Zone was tested to a vertical depth of 40 metres, and was intersected in all but one hole (YM88-19), which was stopped short of the zone.

No.2 Zone main trench, looking North

No.2 Zone is observed to split immediately south of the main trench, and "No.2-A Zone" appears to be a wide, steeply dipping footwall structure. Drill hole YM88-15 intersected No.2-A Zone 27 metres vertically at depth, which averaged 1.32 oz Ag/ton, 2.03% Pb, 2.04% Zn, and 0.006 oz Au/ton along a core length of 7.96 metres.

It should be mentioned that 1969 diamond drilling of No.2 Zone by Canol Mines Ltd. in the same area failed to return significant results for various reasons. Core size and ultimately core recovery has been effectively demonstrated to be the most crucial factor. Canol Mines Ltd. drilled 8 holes along 170 metres of strike utilizing BQ core, with recoveries averaging less than 75%. Also, oxide intersections were either not recovered, not recognized as significant intersections, or assayed, and in a few instances, drill holes (Holes 69 2-7 and 2-8) were collared in the footwall of the structure and drilled away from No.2 Zone, with no real hope of intersecting No.2 Zone structure. There is no better argument for adequate trenching and mapping prior to diamond drilling.

From the main trench, No.2 Zone has been traced by a series of cross trenches into the adjoining Rax 4 claim, 230 metres along strike towards the southeast. Prospecting, drill hole YM88-43, the EM-16 survey, and the underground exploration drive all confirm the continuation of No.2 Zone towards the north. No.2 Zone may represent the western boundary of a northwest - southeast trending graben structure, and has been included in Ramaeker's "Versluce Trend", which can be traced over a distance of 6 km north of the main showing (Ramaekers 1988). Clearly, the potential for several additional large deposits along this structure is tremendous, and will only result from additional exploration.

Ore reserves for No.2 and No.2-A Zones in the drill indicated, probable, and possible categories are calculated to be 59,874 tons grading 3.02 oz Ag/ton, 4.52% Pb, 3.18% Zn, and 0.009 oz Au/ton.

b) No.3 Zone (Drawing No. BP-G2)

No.3 Zone lies 300 metres northeast of No.2 Zone, striking N155^{o} and dipping 45-60^{o} southwest. Apparently forming the eastern flank of a graben structure (with No.2 Zone forming the western flank), No.3 Zone is included in Ramaeker's "Versluce Trend", which, stated earlier, has been traced northward over a distance of 6 km.

Mineralogically, No.3 Zone is very similar to No.2 Zone. Clotted replacement and fracture controlled galena occurs in weakly altered dolostone breccia, with appreciable amounts of limonitic oxide material. Sphalerite is rare on surface, probably due to oxidation, and occurs in the same fashion as galena. Sphalerite content is observed to increase with depth, and occurs as cm scale veins in the deepest drill hole intersection (YM88-35), 70 metres vertically at depth. Gangue mineralogy is mainly iron carbonate and lesser vein and replacement quartz.

No.3 Zone was stripped, mapped, and sampled in detail, returning an average surface grade of 3.31 oz Ag/ton, 3.52% Pb, 3.21% Zn, and 0.010 oz Au/ton across 5.77 metres along a strike length of 51.00 metres. Averaged Ag/Pb and Pb/Zn ratios are 0.94 and 1.10 respectively. Within this, is a continuous higher grade core averaging 5.98 oz Ag/ton, 6.45% Pb, 3.60% Zn, and 0.013 oz Au/ton across 2.67 metres for the same 51.00 metre strike length.

A total of 17 diamond drill holes tested No.3 Zone along a strike length of 335 metres and an elevation range of 230 metres. All holes but 1 (YM88-43) intersected No.3 Zone

structure, which averages 8.83 metres in horizontal width. Sulfide mineralization appears restricted to the D(amphi) or amphipora dolostone unit, and is poorly developed in the lower D(ph) or phyllitic dolostone unit, although the structure persists.

No.3 Zone was systematically cross trenched northward of the main showing for a distance of 170 metres (Drawing No. B-G1). A cross trench channel sample on No.3 Zone 150 metres north of No.3 Zone main trench averaged 2.75 oz Ag/ton, 3.97% Pb, 4.39% Zn, and 0.003 oz Au/ton across 12.65 metres. Southward of the main trench, exploration is hindered by a steep gulley, and it appears No.3 Zone strikes into the adjoining Rax 2 claim 150 metres to the south.

No.3 Zone presently hosts the largest ore reserve on the Ketza Project, restricted to 110 metres of strike and 81 metres vertical. Drill indicated and probable reserves for No.3 Zone resulting from the 1988 program are calculated to be 147,906 tons grading 1.98 oz Ag/ton, 2.32% Pb, 4.27% Zn, and 0.005 oz Au/ton.

No.3 Zone should be regarded as a single ore shoot along a 6 km + mineralized structure. The potential for additional, larger deposits along this length is considered excellent. Additional exploration along the "Versluce Trend" is a 1989 priority.

Looking North along No.3 Zone main trench - notice massive galena in foreground

No.3 Zone and Zeus Vein (left and right respectively), looking north. Notice cross trenches on Big Mountain (upper left) on Versluce Trend

c) Delta Zone

The Delta Zone marks the northernmost exposed surface expression of No.3 Zone in Area B. One channel sample across this broad, mineralized breccia "pod" returned an averaged grade of 4.42 oz Ag/ton, 6.04% Pb, 3.32% Zn, and 0.003 oz Au/ton across a width of 4.85 metres.

Delta Zone appears to be the junction of 3 vein structures, namely No.3 Zone, A Zone, and No.3-A Zone (Drawing No.B-G1). A cross trench immediately north of Delta Zone failed to expose No.3 Zone structure, although deep overburden and frozen subcrop hindered trenching. Two east - west striking felsic dykes 40 metres north of Delta Zone may reflect a large east - west fault, offsetting the No.3 Zone structure in a presently unknown sense.

Additional trenching and mapping is required north of Delta Zone.

d) No.3-A Zone

A broad, frozen oxide zone immediately south of Delta Zone was traced in a westward direction downslope by a series of cross trenches, for a horizontal and vertical distance of 150 metres and 90 metres respectively. Initially thought to represent No.3 Zone, subsequent work indicates "No.3-A Zone" probably represents a weakly mineralized conjugate cross fault breccia. The only other explanation for this structure is a dramatic change in strike and dip direction of No.3 Zone. This has been noted to occur, but it is the writer's opinion that the change is too drastic and not likely.

By use of structure contours, No.3 Zone surface trace should continue northward, gently swinging west with a drop in elevation, and east with a rise, as depicted by Ramaeker's regional geology map of the Versluce Trend (Ramaekers, 1988). The presence of the "A Vein" may also contribute to the complex geological picture.

No.3-A Zone warrants additional surface trenching, by reworking previous trenches and trying to attain bedrock. Although No.3-A Zone has been shown to be a poor conductor (Drawing Nos. B-GY1 and B-GY1A). Diamond drill testing from underground should resolve the tenor and structural role of No.3-A Zone and Delta Zone area.

e) Zeus Vein

During excavation of No.3 Zone, a wide mineralized footwall structure was exposed in the main trench. Striking NNW and dipping 45^{0} towards the east (away from No.3 Zone), the Zeus Vein was exposed over a strike distance of 100 metres. Clotted and stringer galena mineralization, along with minor sphalerite occurs with limonitic oxide in dolostone breccia in widths up to 10.20 metres.

The Zeus Vein was mapped and sampled in detail, and found to contain an average surface grade of 3.70 oz Ag/ton, 4.85% Pb, 2.88% Zn, and 0.004 oz Au/ton across 4.37 metres for a strike length of 79.40 metres. Averaged Ag/Pb and Pb/Zn ratios are 0.76 and 1.68 respectively. Two higher grade sections of the vein (Zeus North and Zeus South) averaged 5.37 oz Ag/ton, 7.44% Pb, 3.27% Zn, and 0.005 oz Au/ton across 2.17 metres for a length of 18.80 metres and 3.97 oz Ag/ton, 5.14% Pb, 2.86% Zn, and 0.004 oz Au/ton across 5.73 metres for a length of 45.90 metres respectively.

Zeus Vein remains untested by diamond drilling, and constitutes an excellent 1989 drill target. Extrapolating surface grade to 13.0 metres vertical, probable reserves for the Zeus Vein are calculated at 11,707 tons grading 4.12 oz Ag/ton, 5.39% Pb, 2.91% Zn, and 0.004 oz Au/ton.

f) "A" Vein

While drilling hole YM88-36 on No.3 Zone (Section 0+58.5N), several hangingwall zones of oxide and galena were intersected. Core angles indicated the hole was drilled within and downdip a hangingwall vein structure ("A" Vein). "A" Vein was also intersected in drill holes YM88-37 and 38, 31.5 metres towards the north.

"A" Vein stikes NNW and dips 73 degrees towards the east. The structure has been traced along surface for a distance of 270 metres. Limited surface trenching and sampling failed to return economic width and grade (Drawing No. BP-A3). "A" Vein consists mainly of a thin (0.5 - 1.5m) oxide zone with minor clotted galena. Selected samples carry good gold values, assaying up to 1545 ppb Au across 0.50 metres.

"A" Vein was intersected immediately below surface in hole YM88-37, and averaged 2.49 oz Ag/ton, 3.17% Pb, 2.09% Zn, and 0.007 oz Au/ton across a calculated true width of 1.62 metres. Drill hole YM88-38 intersected "A" Vein 20 metres (vertical) below YM88-37 on the same section (0+90N), and averaged 2.19 oz Ag/ton, 2.56% Pb, 3.90% Zn, and 0.014 oz Au/ton across a calculated true width of 0.75 metres.

"A" Vein converges with No.3 Zone in the Delta Zone area. The junction of 2 mineralized veins is normally an ideal location for maximum development of grade and width, and Delta Zone could reflect this. Deep drilling of No.3 Zone indicates No.3 Zone structure truncates "A" Vein structure (ie. is younger). It is interesting to note that no ore grade drill hole intersections were encountered below the vein junction. This may simply be the result of the poor host rock observed (D(Ph) or phyllitic dolostone) or the limited number of holes (2) at this depth. It could also reflect a zonation phenomena, where the proper temperature and pressure regimes conducive for sulfide precipitation were not present.

g) "B" Vein

Formerly referred to as the No.4 Vein, B Vein was discovered in 1969 by Canol Mines Ltd. Additional trenching and detail sampling in 1988 exposed a weakly mineralized oxide zone for a strike distance of 50 metres. Located 130 metres northeast of No.2 Zone, B Vein strikes north-south and appears to link up with A Vein to the north and No.2 Zone towards the south (Drawing No. B-G1). A general dip of 60^{0} towards the west is observed.

While selected samples can run up to 3.21 oz Ag/ton, 5.66% Pb, 5.51% Zn, and 364 ppb Au across 1.65 metres, overall, B Vein carries low Ag-Pb-Zn values across narrow widths (Drawing No. BP-A3). B Vein does however, carry significant gold values, with a 30 metre section averaging 0.029 oz Au/ton across 0.68 metres. Gold appears to be related directly to the limonitic oxide material, which was probably mainly pyrite to begin with.

B Vein has been shown to be a weak conductor, but nonetheless can be traced by VLF over a distance of 300 metres from the main showing north towards the portal (Drawing Nos. B-GY1 and B-GY1A). Based on strike extent and gold content alone, B Vein warrants mapping, additional trenching (where possible), and limited diamond drill testing, particulary near the junctions with A Vein, No.2 Zone, and C Vein.

h) "C" Vein

Very little work has been done along C Vein to date. "C" Vein was initially discovered while drill testing No.2 Zone, and partially exposed on surface. Drill hole YM88-20 intersected 2.11 metres of oxide which averaged 2.11 oz Ag/ton, 2.76% Pb, 0.37% Zn, and 0.042 oz Au/ton 10 metres below surface. The highest gold value (2220 ppb) obtained from the Ketza Project in 1988 came from this drill hole intersection.

Dipping steeply west, C Vein is observed to strike in a NNW direction. Southward, it appears to be striking towards the intersection of B Vein and No.2 Zone (Drawing No. B-G1). Additional trenching and sampling along strike is warranted, particularly near vein junctions.

i) Versluce Vein

The Versluce Vein occurs on the eastern edge of Area B on a steep slope. Little work was performed on this narrow quartz rich freibergite and lesser galena bearing vein. Striking NNW and dipping steeply west, the Versluce Vein appears to be a footwall feature of No.3 Zone and on it's own, warrants little further work.

10. Description of Area C (Fig.4, Drawing No. C-G1)

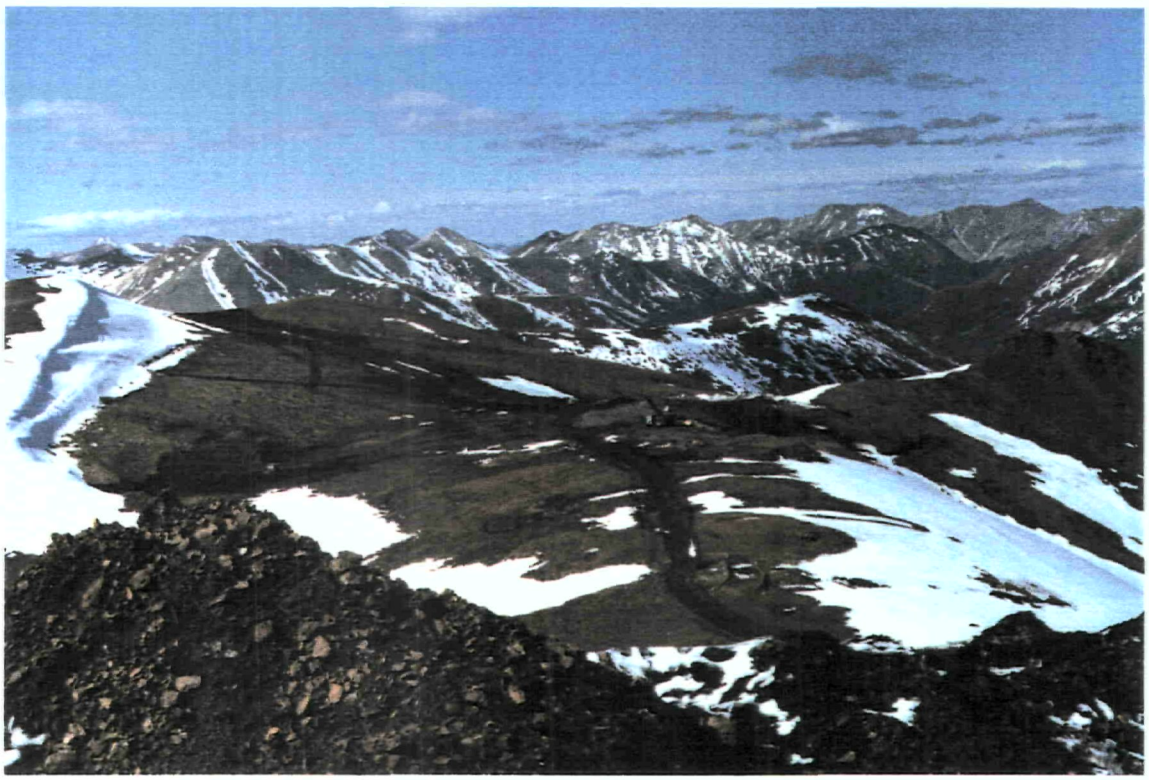
Area C is located approximately 1.4 km NNW of No.3 Zone in Area B. Occupying the east flank of Ramaeker's Versluce Trend and located west of the Caribou Trend, Ag-Pb-Zn mineralization in this area can be classified as Types 1, 3 and 4. Surface mapping of Area C in 1987 by G.S. Davidson et al revealed that Area C "is underlain by dolomite (sDd) and black shale (uDMs) traversed by strong north to northwesterly trending normal faults. Mineralization occurs along the fault zones, usually hosted in quartz and quartz-siderite veins." (G.S. Davidson, 1987)

Subsequent work in the area (Jenny, Groundhog Zones) has shown that carbonate/shale contacts also appear to have a major influence in localizing sulfide mineralization.

a) Groundhog Zone (Drawing No. CP-G1)

Initially discovered in 1967 by Canol Mines Ltd. and the site of considerable surface work during the 1987 Program, Groundhog Zone is a mineralized quartz/iron carbonate stockwork with appreciable amounts of galena and freibergite. A 200 square metre area was stripped, washed, mapped, and sampled in detail by 3 channel sample lines. Average surface grade along a 14.0 metre strike length is calculated to be 5.62 oz Ag/ton, 9.68% Pb, 0.04% Zn, and <0.001 oz Au/ton across 4.09 metres. Averaged Ag/Pb and Pb/Zn ratios are 0.58 and 242 respectively.

Overall strike and dip for Groundhog Zone appears to be N135^{o} 20^{o} SW respectively. Five (5) diamond drill holes totalling 184.4 metres were drilled on Groundhog Zone in 3 fences 25 metres apart testing the zone to a vertical depth of 20 metres. The best intersection was in hole No. YM88-1, returning 2.38 oz Ag/ton, 2.88% Pb, 0.02% Zn, and <0.002 oz Au/ton across a core length of 0.62 metres.



Drilling Groundhog Zone (looking North) - May, 1988

Galena in quartz/iron carbonate stockwork - Groundhog Zone

Groundhog appears to be a discontinuous flat laying quartz stockwork/breccia zone. Host rock is dolostone, which is moderately silicified and highly fractured. Galena and freibergite occur as clots and inclusions mainly in quartz, but replacement of brecciated wallrock occurs. Although selected samples can run up to 80 oz Ag/ton, dilution by unmineralized vein and hostrock greatly restricts grade and consequently Groundhog Zone is considered a low priority 1989 exploration target.

b) Jenny Zone (Drawing No. CP-G2)

Trenching 400 metres east and below Groundhog Zone in 1987 across galena float trains exposed "a gossanous fault contact between dolomite and shale, and a system of quartz veins in the dolomite. Several narrow galena veins occur in the dolomite .... a grab sample of quartz galena vein assayed 68.8 oz Ag/ton" (G.S.Davidson, 1987).

Additional trenching immediately west of the 1987 trenches was carried out in 1988. A 130 metre north-south trench was excavated, exposing six flat laying massive galena, sphalerite, and pyrite veins over a distance of 40 metres. Veins occur in dolostone, along contacts with overlaying shales. Two veins were noted to terminate at the shale contact. Thin mafic dykes are observed to cross cut mineralization, and were probably intruded along faults. The best grab sample returned 105.0 oz Ag/ton, 82.0% Pb, 0.18% Zn, and 29 ppb Au. Jenny Zone underwent detail mapping and preliminary channel sampling.

Approximately 30 metres east of this a large hematite rich oxide zone has been exposed in the steep creek bank. A 1.0 metre channel sample across this zone assayed 6.81 oz Ag/ton, 0.46% Pb, 1.89% Zn, 0.03% Cu, and 133 ppb Au. The variety and number of Ag-Pb-Zn showings in the Jenny area indicates additional work is required in the form of grid mapping, additional trenching, and diamond drilling.

c) PT Zone

Situated near the south boundary of Area C (Drawing No. C-G1), the PT Zone consists of a wide (25 metre) float train of galena, dolostone breccia, and oxide material. Thought to represent a northern continuation of No.3 Zone structure, 2 "wildcat" diamond drill holes were collared in order to test for vein mineralization at depth. With the exception of local heavy pyrite concentrations, Holes YM88-44 and 45 failed to intersect significant mineralization.

During drill pad construction, the float train was cross trenched to bedrock. Highly fractured, brown dolostone was noted to host minor galena and lesser sphalerite fracture controlled sulfides. Nothing in drill core or trenched exposures resembles the mineralized float in the area, and this suggests the vein structure remains to be accurately located. This would undoubtedly result from additional trenching, VLF, and mapping of the area. Significant vein and replacement galena was exposed in a small trench (PT-1) approximately 170 metres southeast of the PT Zone.

Diamond drilling the PT Zone, looking South from Groundhog

11. Other Mineral Occurrences

During the course of the 1988 Regional Program, 53 mineralized showings containing galena and 22 showings of quartz veins with freibergite were mapped (Ramaekers, 1988). These totals include all zones described above, and illustrates the density and exploration potential for economic Ag-Pb-Zn deposits within the Project area.

Probably the most important discoveries outside of Areas A-B-C are, in order of importance, the Ray, Sheep, and Strat Zones. For locations and brief descriptions of these occurrences, the reader is referred to Ramaeker's 1988 report.

A preliminary crosstrenching program on the mountain immediately north of No.2/No.3 Zones (Big Mountain) was undertaken in an attempt to locate mineralized vein material. Prospecting, mapping, and structural contours indicate both flanks of the Versluce Trend graben should strike through the area. Bedrock was not attained in the area due to permafrost and deep talus. Reworking these crosstrenches on Big Mountain in 1989 should be a trenching priority.

MINERAL RESERVES

Mineral reserves resulting from the 1988 Ketza Project in the Probable and Drill Indicated categories total 221,507 tons grading 2.68 oz Ag/ton, 3.18% Pb, and 4.01% Zn, located in seven (7) seperate deposits. The largest single reserve base is No.3 Zone, which is presently calculated to contain 147,906 tons of Probable and Drill Indicated ore grading 1.98 oz Ag/ton, 2.32% Pb, 4.27% Zn, and 0.005 oz Au/ton.

Uneven sample density and the erratic nature of silver mineralization in vein zones is considered to potentially vary grade more than tonnage. The sample values are uncut and no dilution factor has been used. The majority of deposits are amenable to open pit mining methods, and the "sub-level retreat" method of underground mining is envisaged for extracting deeper ore (Malcolm Slack, pers com).

Vein zones were divided into blocks based on available geological and sample information. These blocks were projected to a vertical longitudinal section, the areas calculated mathematically, and multiplied by the average horizontal width of sample data. This volume, calculated in cubic metres, was multiplied by the Specific Gravity to obtain metric tonnes. This value in turn was converted to short tons.

For oxide ore (No.2, No.3, and Lucky Zones), a Specific Gravity of 3.2 was employed. This results in a Tonnage Factor of 10 cubic feet per ton. For massive galena ore, as in the PN, a SG of 3.5 was used to reflect the heavier nature of massive galena. PN grades and reserves were diluted to a minimum mining width of 1.22 metres (4.0 ft). Since the vein rarely exceeded this width, considerable lighter wallrock had to be included in reserve calculations and as a result significantly reduces the SG of the galena ore.

Where there was no information at depth, the horizontal surface area was calculated in tons per vertical metre and projected downwards a reasonable geological depth. This depth never exceeded one half the strike length, a common practise in calculating reserves for similar vein deposits. All sample points are considered to have an equal effect on grade in any given ore block.

In calculating drill indicated reserves, the standard polygon method was modified as follows:

Where no information existed vertically above or below the ore grade intersection, geological restrictions (if any) such as vein splits, phyllite caps, etc. as determined by section interpretation defined reasonable effective distance.

Where no information existed vertically above or below the ore grade intersection, and no geological restrictions were known to apply, the vertical influence was described by the shortest distance to a neighboring hole in the opposite direction.

Where no information existed horizontally from an ore grade intersection, the effective distance was usually one half drill fence spacing.

A preliminary calculation of mineral reserves is presented in Appendix I.

Diamond drill hole logs and assay certificates are bound in separate volumes.

COMPARING KETZA PROPERTY DEPOSITS WITH OTHER YUKON DEPOSITS

The Ketza Project area hosts several modes of significant Ag-Pb-Zn mineralization which can be attributed to no less than 4 significant deposits or camps in the Yukon. Ketza Project area deposits can presently be grouped into 3 proven economic ore forming classifications:

1. Fault controlled mineralized dolostone breccia, with hydrothermal fracture controlled and minor replacement galena, sphalerite, and oxide mineralization. eg. No.2, No.3 Zones

2. Vein fault type high grade silver with massive galena freibergite, and sphalerite. eg. PN, Lucky, Ray

3. Stratiform, laminar fine grained galena, sphalerite, chalcopyrite, pyrite, and silver. eg. Strat Zone

1. Fault Controlled Breccia Mineralization

No.2 and No.3 Zones (Versluce Trend) are presently the largest deposits outlined to date on the Ketza Project. Both occur along a graben structure that has been traced in a north south direction for over 6 km. Ore grade mineralization has been observed over an elevation range of 200 metres, and is open at depth. Present reserves occupy a very short strike distance in terms of overall structure length, and the potential of several 500,000 ton + deposits occurring along the structure is considered excellent.

The best Yukon analogy of No.2 and No.3 Zone type mineralization is Fairfield Minerals' Ltd. Logan deposit, located in southeast Yukon. This deposit can be classified as a hydrothermal vein/breccia/stockwork Zinc deposit (M. Stammers, pers com).

With a present geological reserve base of 15.4 million tons grading 5.13% Zn and 0.59 oz Ag/ton, the Logan deposit occurs along a large fault structure that has been traced by geophysical and geochemical methods for over 8 km. Present reserves are confined to a section 1100 metres long, 150 metres wide, and 275 metres deep. Reported reserves include 7.5 million tons grading 7.24% Zn and 0.75 oz Ag/ton and 3.5 million tons grading 10.33% Zn and 1.02 oz Ag/ton.

Approximately 80% of Logan reserves are amenable to open pit extraction, and a pre-feasability study is currently underway.

The geological similarities of the No.2/No.3 Zones and the Logan deposit should indicate the reserve potential of these large scale structures.

2. Vein Fault Massive Sulfide Mineralization

The PN, Lucky, and Ray Zones are high grade silver vein deposits similar in grade and style to United Keno Hill Mines' deposits at Elsa, the Plata-Inca deposits, and Silver Hart Mines Ltd. Hart Property. All deposits occur in Yukon.

Based on published material and personal experience on the Hart Property, veins of this nature occur in "sets or systems", and the discovery of more veins on the Ketza Property is sure to follow.

Deposits of this nature are typically high grade and low tonnage. Developing an economic reserve base is difficult and is usually costly. There are several documented deposits of this nature currently idle due to poor exploration results and lack of exploration funding. This is certainly not for lack of trying.

The most successful Yukon mining operation on deposits of this nature has been United Keno Hill Mines Ltd., in the vicinity of Elsa, Yukon. Surface and underground mining has been more or less continuous over the past 70 years, with mine head production to date exceeding 206 million ounces of silver. Production has been from a total of 30 deposits (K.W. Watson, 1984).

While development of a profitable mine on deposits of this type is difficult, limited amounts of similar grade ore could make the difference on a lower grade high tonnage operation. It is in all likelyhood that a Ketza Project production decision will be made on fault controlled breccia deposits (No.2, No.3 Zone type). The continued exploration for and development of high grade vein deposits on the Ketza Property could make a significant contribution to millhead grade.

3. Stratiform Mineralization

Some of the larger Zn-Pb-Ag deposits of Canada occur within 160 km of the Ketza Property. "Sedex" deposits (Faro, Howards Pass, Macmillan Pass, and Gataga) are large syngenetic deposits of Zn-Pb-Ag mineralization hosted in Paleozoic sediments in Yukon and northern B.C.

The Faro deposit is currently being mined at a rate of 13,500 tpd by Curragh Resources Ltd., with reserves estimated at 19,285,000 tons grading 4.77% Zn, 3.04% Pb, and 1.11 oz Ag/ton (Northern Miner Handbook, 1988-89). Minerlization occurs as laminated sulfides in a band of Cambrian graphitic phyllite that marks the transition between calcareous and non-calcareous pelites (Carne and Cathro, 1982). Sedex type sulfide mineralization typically includes sphalerite, galena, and pyrite. Barite and silver content can be relatively high, but copper content is generally low.

The discovery of the Strat Zone (Ramaekers, 1988) illustrates that stratiform mineralization, possibly of this nature, occurs in Cambrian phyllites on the Ketza Property. Up to now, little work has been done on the Cambrian, which underlays approximately 30% of the property (Ramaekers, 1988). Future work should include at least a reconnaissance level inspection of the Cambrian within the property area, as a single deposit of this nature can be enormous and greatly expand the reserve picture.

Another type of deposit not currently known to occur on the Ketza Property, but for which considerable potential exists, is the "chimney - manto" type Ag-Pb-Zn or Au-oxide-sulfide type deposit. Typically of intermediate size and grade, two significant Yukon deposits are of this type.

The Ketza River Mine is a present producer, located 30 km west of Seagull Creek, and is a gold rich oxide and sulfide chimney manto deposit. The deposit occurs within the Ketza Uplift, the eastern limits of the Ketza-Seagull Arch. (The Ketza Project area occurs on the western Seagull Uplift of the same arch structure) Orebodies consist of oxide and sulfide

replacements in Lower Cambrian limestone, and fissure vein deposits in Late Protorozoic argillite. Current oxide reserves are calculated to be 250,00 tons grading 0.350 oz Au/ton. (Northern Miner, Jan 2, 1989)

The Midway deposit, located in northern B.C., is an epigenetic manto Ag-Pb-Zn deposit. Mineralization consists of irregular, pipe-like, open-space filling and replacement massive sulfide bodies in mid-Devonian McDame Group carbonates beneath a major unconformaty. (Bradford and Godwin, 1987) Reserves are currently estimated at 1,305,870 tons grading 11.95 oz Ag/ton, 9.6% Zn, and 7.0% Pb.

Similar to No.2 and No.3 Zones (Versluce Trend), the Midway deposit occurs along the convergence of large scale faults with an antiformal (domed) strucure below a shale cap of low permeability, which is thought to have concentrated mineralizing solutions channeled along the faults.

Manto type target areas within the Ketza Property may develop through additional regional scale mapping and structural interpretation.

The likelyhood of an economic deposit of each type described above occuring within the Ketza Project area is not considered great. The principle point being made is that the Project area contains geology, structure, and mineralization very similar to all the above cited deposits, and the possibilty for alternate deposit types should not be overlooked.

DISCUSSION

The 1988 Ketza Project has taken 13 major Ag-Pb-Zn Zones to the advanced exploration stage, 7 of which have undergone preliminary diamond drill testing. The 1988 Regional program documented a total of 53 galena showings and 22 quartz-freibergite showings (Ramaekers, 1988). Clearly, the Ketza Project is situated within a significant silver district, and offers great potential in the development of several economic deposits.

Hydrothermal mineralization on the Ketza Property is structurally controlled, and the mineralizing fluids were probably channeled along fault zones during the late stages of intrusion of a Cretaceous batholith. At Ketza River, 30 km to the east, a pattern of mineral zoning has been recognized around a similar intrusive body, which underlies the Ketza Uplift. In the core of the uplift, mineral deposits consist of gold-bearing, pyrrhotite and arsenopyrite rich mantos, chimneys, and secondary oxides, while silver and galena rich veins are located on the flanks of the uplift. (G. Abbot,1986) A similar zonation pattern may occur around the core of the Seagull Uplift.

While all Ketza Project discoveries are Ag-Pb-Zn bearing to date, the occurrance of elevated gold values in oxide indicates the presence of auriferous mineralizing solutions, and the possibilty of for gold oxide deposits should not be overlooked.

It has been shown that Ketza Property deposits are significant, and can be compared to several past, pending, and present producers in the Yukon. It has also been illustrated that the Ketza Property can potentially host manto type and sedex type deposits. Additional exploration, both on surface and underground will undoubtedly expand the reserve picture on the Ketza Property.

Boliden Canada Ltd. made a recent proposal to invest in the Ketza Property and maintained a viable mining operation could be sustained with reserves of 3 million tons grading 2.0 oz Ag/ton and 7% combined Pb/Zn. It is the writer's contention the Ketza Property has the potential for this, and several million additional tons of equivalent ore.

The writer has discussed the economics of the Ketza Project at length with Malcolm Slack, P. Eng., a consulting engineer retained by Yukon Minerals and Perrex Resources. The pre-production reserve requirement of 3 million tons of low grade ore could be reduced significantly with the addition of relatively less quantities of higher grade silver vein (PN, Lucky, Ray Zones) type ore. Several deposits of this nature have been outlined on the Ketza Property to date, and additional exploration will undoubtedly lead to the discovery and development of several more.

A 1.5 million ton low grade reserve base could prove economic on the Ketza Property owing to its geographical proximity to 2 presently operational mines, (Curragh's Faro Mine and the Canamax/Pacific Trans Ocean Ketza River Mine) and a possible third producer (Prime and Noranda's Grew Creek Property). The Ketza Property could be within economic trucking distance of all three operations, and low grade Ketza Project ore could provide additional mill feed for these operations. The Faro Mine is currently running under capacity, and may welcome additional ore from such a source.

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CERTIFICATE OF QUALIFICATIONS

I, Brian Philip Fowler, do hereby certify that:

1. I am a practicing Mining Geologist and my address is 113 - Deerfield Terrace S.E., Calgary, Alberta.

2. I am a 1981 graduate in Geology from the University of Alberta, and have engaged in practicing my profession on a full and part time basis for 9 years.

3. I am a member of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta and an Associate of the Geological Association of Canada.

4. This report is based on my personal supervision of work on the project in 1988, as well as several years experience in north Cordilleran silver-lead-zinc exploration.

5. I have no interest direct or indirect in the claims or the property or shares of Yukon Minerals Corp. and Perrex Resources Inc.

SIGNED at Calgary, Alta, this 19th day of January

A.D. 1989.

Brian P. Fowler, P.Geol.

APPENDIX I

YUKON MINERALS - PERREX J.V. KETZA PROJECT

PRELIMINARY MINERAL RESERVES - GEOLOGICAL - UNDILUTED

1988 Mineral Reserves

BLOCK	TONNAGE			TOTAL TONS	GRADE			
No.3 Zone	PROBABLE	POSSIBLE	DRILL INDICATED		Ag.oz/ton	Pb%	Zn%	Au (oz/ton)
88-1	8878				3.31	3.52	3.21	0.010
88-2			13781		1.56	1.57	2.57	0.005
88-3			13627		0.50	0.71	4.99	0.003
88-4			19117		2.65	3.07	6.70	0.004
88-5			25796		2.31	3.39	6.16	0.006
88-6			28711		1.76	1.39	4.56	0.004
88-7			7712		2.09	3.15	3.76	0.009
88-8			14252		1.46	2.05	1.28	0.008
88-9			14488		2.49	2.55	2.21	0.008
88-10			1544		1.36	2.36	1.59	0.002
	8878				3.31	3.52	3.21	0.010
			139028		1.90	2.24	4.34	0.005
No.3 Zone Total.....				147906	1.98	2.32	4.27	0.005

YUKON MINERALS - PERREX J.V. KETZA PROJECT

PRELIMINARY MINERAL RESERVES - GEOLOGICAL - UNDILUTED

1988 Mineral Reserves

BLOCK	TONNAGE			TOTAL TONS	GRADE			
Zeus	PROBABLE	POSSIBLE	DRILL INDICATED		Ag.oz/ton	Pb%	Zn%	Au (oz/ton)
88-11	1295				5.37	7.44	3.27	0.005
88-11A	10412				3.97	5.14	2.86	0.004
	11707				4.12	5.39	2.91	0.004
Zeus Total				11707	4.12	5.39	2.91	0.004

YUKON MINERALS - PERREX J.V. KETZA PROJECT

PRELIMINARY MINERAL RESERVES - GEOLOGICAL - UNDILUTED

1988 Mineral Reserves

BLOCK	TONNAGE			TOTAL TONS	GRADE			
No.2/No.2-A Zones	PROBABLE	POSSIBLE	DRILL INDICATED		Ag.oz/ton	Pb%	Zn%	Au (oz/ton)
88-12	10069				4.14	6.78	2.92	0.013
88-13			7443		3.51	4.06	6.16	0.009
88-14			5299		2.65	2.55	1.32	0.004
88-15			6516		5.18	9 15	2.32	0.011
88-16		3610			2.62	3.72	2.69	0.010
88-17			5444		4.58	7.25	3.99	0.015
88-18			6187		1.04	1.37	4.24	0.003
88-19		1271			1.50	2.22	4.09	0.008
88-20		780			2.98	4.27	4.65	0.010
88-21		3554			2.00	3.28	1.93	0.007
88-22			9701		1.32	2.03	2.04	0.006
	10069				4.14	6.78	2.92	0.013
		9215			2.26	3.39	2.76	0.009
			40590		2.91	4.21	3.34	0.008
No.2 Zone Total.....				59874	3.02	4.52	3.18	0.009

YUKON MINERALS - PERREX J.V KETZA PROJECT

PRELIMINARY MINERAL RESERVES - GEOLOGICAL - UNDILUTED

1988 Mineral Reserves

BLOCK	TONNAGE			TOTAL TONS	GRADE			
Lucky/ MF Zones	PROBABLE	POSSIBLE	DRILL INDICATED		Ag.oz/ton	Pb%	Zn%	Au (oz/ton)
88-23	2392				12.72	6.46	5.54	0.009
88-24			1198		5.25	4.46	4.75	0.005
88-25			259		7.87	10.18	4.36	0.012
88-26		1013			3.97	4.43	5.77	0.001
88-27	513				1.96	2.23	9.13	0.002
88-28			3393		1.19	0.22	4.47	0.002
	2905				10.82	5.71	6.17	0.008
		1013			3.97	4.43	5.77	0.001
			4850		2.55	1.80	4.53	0.003
Lucky / Lucky-MF Total				8768	5.45	3.40	5.22	0.004

YUKON MINERALS - PERREX J.V. KETZA PROJECT

PRELIMINARY MINERAL RESERVES - GEOLOGICAL - UNDILUTED (Minimum Mining Width 1.22 metres Horizontal)

1988 Mineral Reserves

BLOCK	TONNAGE			TOTAL TONS	GRADE			
PN	PROBABLE	POSSIBLE	DRILL INDICATED		Ag.oz/ton	Pb%	Zn%	Au (oz/ton)
88-29	1089				28.94	19.52	6.62	
88-30			880		8.62	5.69	6.62	
88-31			1511		5.76	5 42	3.46	
	1089				28.94	19.52	6.62	
			2391		6.81	5.52	4.62	
PN Total				3480	13.74	9.90	5.25	

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-1

AREA	GROUNDHOG	SECTION	0+25 NW	DATE Started	05-14-88
CLAIM	HV 104	AZIMUTH (T)	030 DEGREES	DATE Completed	05-16-88
GRID CO-ORDS Line		INCLINATION	-45 DEGREES	CONTRACTOR	E.CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	37.80m (124.0 ft)	LOGGED BY	B.P.FOWLER
SURVEY CO-ORDS Northing	36903.57	DEPTH Casing	3.66m (12.0 ft)	CORE SIZE	HQ
SURVEY CO-ORDS Easting	14723.26	DEPTH Overburden	1.22m (4.0 ft)	CORE RECOVERY	55.65%
ELEVATION	1902.83m	VERT. COMP.	26.73m	CORE STORED AT	YMC CAMP
STICK UP		HORIZ. COMP.	26.73m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	030	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	1.22	OVERBURDEN	1.22			
1.22	13.28	dM	12.06			
13.28	13.90	VEIN ZONE	0.62	0.61	0.87	13.59
13.90	16.15	FAULT BRECCIA				
16.15	22.70	D (F)				
22.70	34.36	dM,D				
34.36	37.80	NO RECOVERY				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au oz/ton	Recov %
2.38	2.88	0.02	<0.002	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-1 PROPERTY KETZA PROJEC

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	1.22	OVERBURDEN							0.00	1.22	1.22	0.00	0.0
1.22	9.72	DOLOMITIC SILTSTONE/MUDSTONE: Massive, grey - dark grey, fine grained. Blocky core. Local shaley (fissile) intervals - decimeter scale. Moderately fractured with occasional mm scale calcite veins @ 45 deg. C.A. Core broken along fractures @ 75 deg. C.A. Becoming silicified and bleached towards base. Degree of fracturing and minor brecciation? also increases towards base. Elongate, well rounded clasts @ 9.24m - long axis @ 75 deg. C.A. - probably conglomeratic interval. Hematite stained qtz - calcite - iron carbonate stringers parallel to C.A. near base. Sharp lower contact @ 40 deg. Ground core @ 6.55 - 6.65m.							1.22	2.90	1.68	0.45	26.8
									2.90	3.66	0.76	0.30	39.5
									3.66	4.88	1.22	0.70	57.4
									4.88	5.49	0.61	0.35	57.4
9.72	11.28	DOLOMITIC SILTSTONE/MUDSTONE: As previous, but bleached, moderately silicified, extensively fractured + brecciation. Hematite stained, especially along fractures. Light grey - brown, massive. No relict bedding structures. Local crackle/mosaic brecciation with grey fine quartz matrix. Zoned mm scale quartz vein fracture filling +/- manganese stain. Broken core. 2 cm. zoned quartz vein @ 9.90m @ approx. 85 deg. C.A. Broken lower contact +/- 15cm.							5.49	6.55	1.06	0.50	47.2
									6.55	7.92	1.37	0.50	36.5
									7.92	9.14	1.22	0.38	31.1
									9.14	10.36	1.22	1.10	90.2
									10.36	11.28	0.92	0.95	103.3
11.28	13.28	FAULT ZONE / BRECCIA Matrix supported rubble breccia. Angular, intensely silicified clast, light grey in color. Matrix quartz(?) with abundant light brown clay. Upper contact broken, lower @ 50 deg. C.A. Post breccia slip @ 50 deg. C.A. near center of interval. Poor recovery. No visible sulfides. Breccia clasts appear to be similar to overlaying mudstone interval.	81501 11.28-13.28	0.04	0.03	0.05	<5		11.28	13.28	2.00	0.57	28.5

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-1 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
13.28	15.93	VEIN ZONE:											
		13.28 - 13.90m - MINERALIZED MOSAIC BRECCIA/FISSURE VEIN: White, milky quartz matrix (50%) with clasts of med. grained galena and lesser tetrahedrite - <5% combined. Trace malachite. Minor manganese fracture fill. Clasts of intensely silicified, light grey mudstone(?) as above. Mineralization mainly along matrix-clast boundaries, with minor replacement of clast material. Sharp broken lower contact @ 60 deg. C.A.	81502 13.28-13.90	2.38	2.88	0.02	<0.002		13.28	13.90	0.62	0.62	100.0
							Au ppb						
		13.90 - 15.24: Broken brecccia/vein material as above, except barren of sulfides. Poor core recovery.	81503 13.90-15.24	0.03	0.03	0.01	<5		13.90	15.24	1.34	0.35	26.1
		15.24 - 15.93 : As above; poor recovery. "CAVE?" noted in interval by driller, though this is suspected uphole wash, as rods were pulled at 14m to retreive core barrel. Wash is similar to mudstone @ top of hole, and exhibits no hydrothermal alteration. This material was not included in this assayed interval. Sharp, broken lower contact.	81504 15.24-15.93	0.47	0.95	0.01	<5		15.24	15.93	0.69	0.25	36.2
15.93	16.15	FAULT BRECCIA: As between 11.28 - 13.28m. Intense hematite/clay development. Sharp broken lower contact @ 60 deg. C.A.	81505 15.93-16.15	0.05	0.03	0.03	<5		15.93	16.15	0.22	0.22	100%
16.15	22.70	FOSSILIFERROUS DOLOSTONE:							16.15	17.37	1.22	0.47	38.5
		Highly fractured (crackle breccia in places) light grey, mottled dolostone. Mottled texture due to abundant spheroid and irregular (1-2mm) fossil fragments(?) -amphipora(?) pack stone. Abundant mm scale quartz/calcite veins @ approx. 40 deg. C.A., cut by irregular .5mm styolites. Hematite fracture filling and coating common. No bedding structures evident. Large "gash" fractures with dark brown sandy fracture filling - possibly gouge/shaley partings or pyrobitumens @ 50 deg. C.A. Overall good coring. Broken 2 cm quartz vein with minor manganese fracture filling @ 21.18m. Sharp, broken lower contact.							17.37	18.28	0.91	0.70	76.9
									18.28	19.66	1.38	1.23	89.1
									19.66	21.18	1.52	1.56	102.6

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-1 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
22.70	25.23	DOLOMITIC MUDSTONE:							21.18	22.40	1.22	0.45	36.9
		As between 1.22-9.72m. Dark greyreen, massive. Weakly fractured, with minor quartz/calcite/hematite fracture filling (mm scale). Good coring. Sharp broken lower contact.							22.40	23.97	1.57	1.12	71.3
									23.97	24.38	0.41	0.50	122.0
25.23	26.90	DOLOSTONE:							24.38	25.76	1.38	0.87	63.0
		As between 16.15 - 22.70, except not nearly as fossiliferous - floatstone. Highly fractured, with abundant irregular .5mm thick stylolites. Minor hematite and manganese fracture filling. Sharp broken lower contact.							25.76	26.67	0.91	0.74	81.3
26.90	27.80	TRANSITIONAL DOLOSTONE/SHALE:							26.67	27.43	0.76	0.85	111.8
		Decimeter scale interbeds; dolostone as previous. Shale smeared; Good cleavage @ 25 deg. C.A. Dolostone highly fractured, brecciated in places. May be fossiliferous. Minor quartz/calcite/hematite fracture filling. Sharp broken lower contact.							27.43	27.80	0.37	0.37	100.0
27.80	28.04	LIMONITIC DOLOSTONE:	81506 27.80-28.04	0.04	<0.01	0.05	<5		27.80	28.04	0.24	0.24	100.0
		As above, gravelly core with abundant limonitic sand. No visible sulfides. Sharp contacts.							28.04	29.57	1.53	0.32	20.9
28.04	34.36	DOLOSTONE:							29.57	30.48	0.91	0.88	96.7
		Massive, dark grey, highly fractured/brecciated fossiliferous in places - float stone. Abundant hematite, quartz, and iron carbonate fracture filling. No visible sulfides. At least 2 periods of mm scale gash veining (quartz). Earliest @ 38 deg. C.A., followed by a set @ 40 deg. C.A. (oblique). This in turn cut by later irregular stylolites. Trace vuggy porosity with earthy pyrobitumen @ 31.80m. Broken contacts.							30.48	31.39	0.91	0.58	63.7
									31.39	32.61	1.22	1.20	98.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-1 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
34.36	37.80								32.61	33.53	0.92	0.47	51.1
		NO RECOVERY:							33.53	34.14	0.61	0.35	57.4
		Driller reported fast drilling with no returns - probably sandy fault zone.							34.14	35.66	1.52	0.22	14.5
		END OF HOLE: 124 FT / 37.80 METRES							35.66	37.80	2.14	0.00	0.0
		TOTAL RECOVERY : 20.36m/36.58m X 100 = 55.65 %											
		TOTAL VEIN RECOVERY : 1.22m /2.65m X 100 = 46.04%											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-2

AREA	GROUNDHOG	SECTION	0+25 NW	DATE Started	05-16-88
CLAIM	HV 103	AZIMUTH (T)	030 DEGREES	DATE Completed	05-18-88
GRID CO-ORDS Line		INCLINATION	-45 DEGREES	CONTRACTOR	E.CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	53.34 m (175 ft)	LOGGED BY	B.P. FOWLER / PAUL RAMAEKERS
SURVEY CO-ORDS Northing	36880.47	DEPTH Casing	3.66 m (12.0 ft)	CORE SIZE	HQ
SURVEY CO-ORDS Easting	14710.57	DEPTH Overburden	3.81 m (12.5 ft)	CORE RECOVERY	83.7 %
ELEVATION	1900.32	VERT. COMP.	37.72m	CORE STORED AT	YMC CAMP
STICK UP		HORIZ. COMP.	37.72m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	3.81	OVERBURDEN	3.81			
3.81	4.36	SHALE	0.55			
4.36	9.65	DOLOMITIC MUDSTONE	5.29			
9.65	10.80	FT MOSAIC BRECCIA	1.15			
10.80	11.20	QTZ-CARB VEIN	0.40			
11.20	17.34	FOSSIL. DOLOSTONE	6.14			
17.34	29.00	DOLOMITIC MUDSTONE	11.66			
29.00	53.34	DOLOSTONE	24.34			

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au oz/ton	

YUKON MINERALS - PERREX JOINT VENTURE

DDH *YM88-2* PROPERTY *KETZA PROJECT*

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.81	OVERBURDEN							0.00	2.44	2.44	0.00	0.00
3.81	4.36	SHALE Black, soft, fissile shale. Broken core with transitional lower contact @ 50 deg. C.A.							2.44	3.96	1.52	0.15	9.9
									3.96	5.49	1.53	1.20	78.4
4.36	9.65	DOLOMITIC FOSSILIFEROUS MUDSTONE Dark grey, brown, massive unit. Highly fractured with abundant hairline mm scale quartz calcite stringers. Occasional 5 cm thick light grey, silicified bands may be stromatoporoids. Detrital fossil fragments? on a mm scale are spherical and irirregular in shape. Good coring. Unit coarser and more dolomitic towards base. Broken lower contact.							5.49	6.70	1.21	0.77	63.6
									6.70	8.23	1.53	1.44	94.1
									8.23	9.45	1.22	0.80	65.6
									9.45	9.65	0.20	0.20	100.0
9.65	10.80	FAULT MOSAIC BRECCIA 9.65 - 10.36	81507 9.65-10.36	0.05	<0.01	0.01	<5		9.65	10.36	0.71	0.52	73.0
		BRECCIATED MUDSTONE/DOLOSTONE (?) Large, angular clasts, up to 5 cm floating in recrystallized quartz matrix.											
			81508 10.36-10.80	0.02	<0.01	<0.01	<5		10.36	10.80	0.44	0.45	100.0
10.80	11.20		81509 10.80-11.20	0.01	<0.01	<0.01	<5		10.80	11.20	0.40	0.40	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-2 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
11.20	12.80	FOSSILIFEROUS DOLOSTONE Dark grey, fine grained, crackle breccia. Indestinguishable mm. scale fossil fragments - floatstone. Styolites postdate brecciation. Quartz (15%), iron carbonate matrix; 1 - 2 mm. hematite - orange coloured rims & replacement common. Sharp lower contact.							11.20	11.28	0.08	0.21	262.5
									11.28	12.80	1.52	1.13	74.3
									12.80	14.17	1.37	1.30	94.9
12.80	17.34	SILICIFIED \ BLEACHED \ HEMATIZED FOSSILIFEROUS DOLOSTONE? As above; except light grey in colour - bleached and <5% quartz veins. Lack of styolites and fine grained nature - may be mudstone. Abundant fossil fragments including two 2 cm. brachiopods @ 16.29 m. Highly fractured, with yellow clay & hematite fracture filling. Mottled texture in places due to orange hematite replacement. Large vugs with euhedral quartz & sericite.							14.17	14.78	0.61	0.70	114.8
									14.78	16.15	1.37	0.90	65.7
									16.15	17.22	1.07	0.65	60.7
									17.22	17.98	0.76	0.70	92.1
17.34	21.85	DOLOMITIC FOSSILIFEROUS SILICIFIED (?) MUDSTONE Pale, tan to brown, very fine grained mudstone, with reddish, dolomitic and/or quartz cement. Hairline fractures common with red-brown hematite, brownish euhedral siderite and minor calcite, possibly after altering siderite and pyrite. Few quartz veins with white and clear quartz run at 45 deg. C.A. e.g. at 11.98 m. Quartz veins are offset or terminated by brown gouge in places. Strongly hematized siderite and silicified breccia at 19.50 and 21.30 m. Euhedral siderite often lines veins, with quartz filling the center of the veins, or lying on only one side of the vein. Coarsely crystalline dolomite in patches. minor calcite							17.98	19.51	1.53	0.58	37.9
									19.51	20.42	0.91	0.83	91.2
									20.42	21.34	0.92	0.50	54.3
									21.34	21.85	0.51	0.50	98.0
21.85	22.55	DOLOMITIC LIMONITIC SILICIFIED (?) MUDSTONE - FAULT ZONE (?) Brown, very dense, hard, silicified mudstone. Bedding or Xbed plane at 30 deg. C.A. Quartz veins with and without red euhedral siderite next to wallrock. Fault gouge washed out; only blocky silicified mudstone left in core box.	81510 21.85-22.55	0.01	<0.01	0.01			21.85	22.55	0.70	0.25	36.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-2 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
22.55	23.00	DOLOMITIC SILICIFIED MUDSTONE - FAULT ZONE; MINERALIZED Brecciated, limonitic gouge less silicified than wall rock. Disseminated blebs of galena (1-4 mm) form less than 0.1 percent of rock. Galena and minute grains of pyrite (?) in quartz and siderite filled fractures cutting gouge and wall rock with varying orientations. Fault plane cutting C.A. at about 20 deg. Core intact.	81511 22.55-23.00	0.02	<0.01	0.07			22.55	23.00	0.45	0.45	100.0
23.00	23.88	BRECCIATED SILICIFIED DOLOMITIC MUDSTONE As above with less brecciation; no mineralization seen.	81512 23.00-23.88	0.02	<0.01	0.01			23.00	23.88	0.88	0.75	85.2
23.88	24.98	SILICIFIED DOLOMITIC MUDSTONE; BRECCIATED, VEINED, MINERALIZED Grey to tan finely crystalline mudstone. Quartz vein at 60 deg. C.A. begins zone. Quartz euhedral in open veins. Veins, especially small veins lined or totally filled by siderite. Galena blebs up to 3 mm in veins, usually in siderite. Minor calcite in weathered rusty siderite patches; Less than 0.1 % galena.	81513 23.88-24.98	0.03	<0.01	0.24			23.88	24.98	1.10	1.10	100.0
24.98	25.58	SILICIFIED DOLOMITIC MUDSTONE; FAULT ZONE Pale, tan to grey finely crystalline mudstone; brecciated with abundant limonitic gouge. Zone terminated by sharp fault plane at 25 deg. C.A. bordering on less fractured material.	81514 24.98-25.58	0.02	0.02	0.05			24.98	25.58	0.60	0.50	83.3
25.58	26.52	SILICIFIED DOLOMITIC MUDSTONE; FAULT ZONE As above, but less fractured.							25.58	26.52	0.94	0.50	53.2
26.52	27.81	SILICIFIED DOLOMITIC MUDSTONE; BRECCIATED, MINERALIZED Pale, tan to grey finely crystalline mudstone; moderate brecciation with thin siderite and a few quartz veins. Minor dendritic MnO2 on fracture surfaces. Galena in veins; galena forms less than 0.1% of rock.	81515 26.52-27.81	0.05	0.02	0.10			26.52	27.81	1.29	0.92	71.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-2 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
27.81	29.00	SILICIFIED DOLOMITIC MUDSTONE; FAULT	81516 27.81-29.00	0.10	0.02	0.36			27.81	29.00	1.19	0.85	71.0
		Pale, tan to grey silicified dolomitic mudstone; intensely brecciated. Abundant limonitic and sideritic gouge.											
29.00	29.68	FRACTURED SILTY DOLOSTONE - MINERALIZED	81517 29.00-29.68	0.04	0.02	0.05			29.00	29.68	0.68	0.56	82.0
		Dark, bluish-grey, medium crystalline dolostone. Pale grey patches of coarser dolomite 0.1-2 cm long may be molds of fossils, burrows, or just nodules. Stylolytes with thin black residue layers. White quartz and brown siderite veins and stringers are common at 20 deg. C.A., sometimes with stylolyte boundaries. Minor calcite in open veins and fractures. Thin blebs of galena in some quartz veins. Galena less than 0.1 %.											
29.68	33.73	FRACTURED SILTY DOLOSTONE							29.68	30.48	0.80	0.80	100.0
		Lithology as above, but dolostone more homogenous. Stylolytes postdate most fractures. Veins at 20 - 40 deg. C.A.; forming conjugate sets in places.							30.48	32.00	1.52	1.36	84.0
									32.00	33.53	1.53	1.45	95.0
									33.53	33.73	0.25	0.20	80.0
33.73	37.39	VUGGY FRACTURED AND SILTY DOLOSTONE							33.73	35.05	1.32	1.25	94.7
		Dark, bluish-grey, med. Xine dolostone with dark matrix. Lighter patches altered to coarser dolomite, after fossils, burrows, or just nodules. Stylolytes with up to 2 mm thick black residue layers often form margins between different rock types. Vugs and veins up to 5 cm are often lined by red euhedral siderite and partially filled with white quartz. Vuggy zones have earthy limonitic to dark brown coatings along fractures. Vuggy areas form 15 % of core, and are usually broken up in core.							35.05	36.58	1.53	1.30	85.0
									36.58	37.39	0.81	0.70	86.4

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-2 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
37.39	42.67	SILTY DOLOSTONE Dark grey, medium crystalline dolostone with black matrix. 20% is relatively homogenous and more porous. Rest with lighter coarser Xine irregular patches, probably nodules, or molds after fossils or burrows. Intensely stylolytized, with black 0-5 mm cumulate. Some of these developed on shale or clay partings. Reddish coarser dolomite or altering siderite patches common at 39.00 - 39.50 m and at 41.15 m. Organic rich black intervals at 39.60 - 39.80 and 42.10 m. Very little calcite; most of rock does not fizz in 30% HCl. Quartz veins at 30 and 50 deg. C.A., often lined with limonite and/or siderite veins up to 3 mm thick.							37.39	38.10	0.71	0.66	93.0
									38.10	39.62	1.52	1.52	100.0
									39.62	41.15	1.53	1.37	90.0
									41.15	92.67	1.52	1.10	72.0
42.67	45.62	SILTY DOLOSTONE; MOTTLED, BRECCIATED, VUGGY, Medium to dark grey, medium Xine dolostone with black matrix. 10% of rock homogenous and more porous. Rest with irregular patches of lighter, coarser Xine dolomite, possibly after fossils, burrows or nodules. Stylolytes with 0.1 - 2 mm black cumulate common. 20 cm organic rich section at 45.00 m. Most of section has reddish veinlets and patches through rock giving it a mottled appearance. Fracture fragments are lined with thin red altered siderite and sometimes sericite. Quartz veins 1-5 mm thick along C.A. common. Fractures at 25, 40 - 50 deg. C.A. common. Open vugs common in more intensely fractured areas; they are lined with siderite and younger euhedral quartz. Fault at 43.75 m; at 45 deg. C.A.; slickensides pitch 90 deg. Fault at 44.35 m; at 55 deg. C.A.; slickensides pitch 90 deg.							42.67	44.19	1.52	1.40	92.1
									44.19	45.62	1.43	1.30	90.9
45.62	46.52	QUARTZ - DOLOMITE VEINS IN BRECCIA; MINERALIZED Breccia in medium to dark grey, med. Xine dolomite in fine grained matrix. Veins of quartz at least 4 cm thick with 40% dolomite floating in quartz. Vein boundaries stylolytized in places. Minor galena blebs in thin fracture fillings. Galena less than 0.1% of rock. Faults at 45.68 m at 45 deg. C.A.; slicks pitch at 90 deg. 46.10 m at 45 deg C.A.; slicks pitch at 80 deg.	81518 45.62-46.52	0.12	0.08	0.28			45.62	46.52	0.90	0.80	98.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH *YM88-2* PROPERTY *KETZA PROJECT*

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
46.52	53.34	SILTY DOLOSTONE; FRACTURED							46.52	48.07	1.55	1.50	96.8
		Relatively unaltered, dark bluish grey, medium Xine dolostone with fine grained black matrix. Patches of lighter, coarser dolomite throughout, possibly nodules, or after fossils, burrows. Stylolytes occasionally present with thin (0.1 mm) black cumulate layers. Patches with red siderite rims along fractures form 10% of interval.											
		Early quartz veins 1-4 mm thick moderately common at 45 deg. C.A.; these are usually barren. Later fractures are moderately common, often lined with brown or reddish-brown siderite and euhedral quartz.											
		Faults at 47.50 m at 30 deg. C.A.; slickensides pitch 80 deg.											
		46.52 - 48.07 m No visible mineralization											
		48.07 - 48.77 m No visible mineralization; late euhedral quartz crystals in late fractures.	81519 48.07-48.77	0.03	0.02	0.05			48.07	48.77	0.70	0.65	92.9
		MINERALIZED ZONE (48.77 - 53.34 m; End of hole)											
		48.77 - 50.29 m											
		Late euhedral silica in fractures; galena in 0.1 - 3 mm thick quartz filled fractures and along hairline fractures. Galena less than 0.1 %.	81520 48.77-50.29	0.05	0.04	0.07			48.77	50.29	1.32	1.20	90.9
		50.29 - 51.82 m	81521 50.29-51.82	0.06	0.04	0.60			50.29	51.82	1.53	1.46	95.4
		As above; at 51.72 m vein fillings of galena, pyrite, and specular hematite(?); possibly some sphalerite replacement of wall rock.											
		51.82 - 53.34 m End of hole											
		Minor galena in late quartz and siderite veins. Galena less than 0.1 %.	81522 51.82-53.34	0.02	0.02	0.07			51.82	53.34	1.52	1.50	98.7

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-3

AREA	GROUNDHOG	SECTION	0+50 NW	DATE Started	05-18-88
CLAIM	HV 105	AZIMUTH (T)	030 DEGREES	DATE Completed	05-19-88
GRID CO-ORDS Line		INCLINATION	-65 DEGREES	CONTRACTOR	E.CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	27.74 m (91 ft)	LOGGED BY	PAUL RAMAEKERS
SURVEY CO-ORDS Northing	36915.86	DEPTH Casing	2.44 m (8.0 ft)	CORE SIZE	HQ
SURVEY CO-ORDS Easting	14701.73	DEPTH Overburden	2.44 m (8.0 ft)	CORE RECOVERY	66.88 %
ELEVATION	1902.44 m	VERT. COMP.	25.14m	CORE STORED AT	YMC CAMP
STICK UP		HORIZ. COMP.	11.72m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-65	030	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	2.44	OVERBURDEN	2.44			
2.44	3.35	SILTY DOLOSTONE	0.91			
3.35	19.49	DOL.MUDSTONE/SHALE	16.14			
19.49	19.61	CALCITIC SANDSTONE	0.12			
19.61	25.17	DOLOSTONE	5.56			
25.17	26.42	DOLOSTONE/ PbS	1.25			
26.42	27.74	DOLOSTONE	1.32			

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au oz/ton

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-3 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	2.44	OVERBURDEN											
2.44	3.35	OVERBURDEN ?							2.44	3.35	0.91	0.24	26.4
		Irregular pieces of bluish grey finely crystalline silty dolostone; possibly rubble from overburden.											
3.35	10.67	INTERBEDDED DOLOMITIC MUDSTONE (80%) AND SHALE							3.35	3.96	0.61	0.35	55.4
		Dark grey, med. Xine, dolomitic mudstone with poor fissility, interbedded with approx. 20% (recovered) dark grey to black, dolomitic shale beds, 1-25 cm thick. Both rock types leave brown-black silty easily suspended residue and a heavier grey muddy to silty residue when completely dissolved in 30% HCl.							3.96	5.03	1.07	0.56	52.3
		Bedding(?) at 30 deg. C.A. Shaly laminae have attitudes from 30 to 90 deg. C.A. Core broken up 85% of recovered length.							5.03	6.04	1.01	0.89	88.1
		White quartz veins common, 1-5 mm thick; thick ones typically 15-30 deg. C.A. Veins are often open, with a red-brown to limonitic siderite lining.							6.04	7.62	1.58	0.85	53.8
		A 3 cm thick white quartz vein occurs at 2.90 m. Concentrations of white quartz veins present at 5.15, 6,25, 8,80 m; limonitic stained quartz and quartz and siderite veins at 5.30, 6.10, and 10.40m.							7.62	8.53	0.91	0.49	53.8
									8.53	9.45	0.92	0.79	85.9
									9.45	10.67	1.22	0.60	49.2
10.67	19.49	INTERBEDDED DOLOMITIC MUDSTONE (87%) AND SHALE							10.67	11.58	0.91	0.62	68.1
		Lithology as above, with less shale (about 13%) recovered. Core broken up 40% of recovered length.							11.58	12.50	0.92	0.80	87.0
		Vuggy white quartz veins 1-5 mm thick at 11.70, 13.00, 14.30, 14.60, and 15.30 m. Zone of vuggy white quartz veins from 17.50 - 17.70 m. Vuggyness probably due to leaching of carbonates.							12.50	13.11	0.61	0.47	77.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-3 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
10.67	19.49	(continued)							13.11	14.63	1.52	1.25	82.2
									14.63	15.24	0.61	0.44	72.1
									15.24	15.85	0.61	0.37	60.7
									15.85	16.00	0.15	0.13	86.7
		QUARTZ VEIN ZONE	81523 16.00-16.74	<0.01	<0.01	<0.01			16.00	16.74	0.74	0.52	70.3
		16.00 - 16.74 m Zone with abundant (20%) quartz veins. Veins lined by 1 mm thick red-brown to limonitic siderite/quartz intergrowths. Interior of veins composed of vuggy, white quartz.							16.74	17.07	0.33	0.25	75.8
									17.07	18.59	1.52	1.27	83.6
									18.59	19.46	0.87	0.52	59.8
19.46	19.61	RED-BROWN CALCITIC SANDSTONE							19.46	19.61	0.15	0.15	100.0
		Red-brown, fine grained, calcitic sandstone or sandy siltstone, with a few siderite and white quartz veins at about 45 deg. C.A. Fault contact with overlying dolomitic mudstone at 40 deg. C.A. marked by siderite vein. Sharp, probably conformable contact with underlying dolostone.											
		MEDIUM CRYSTALLINE DOLOSTONE											
19.61	19.96	Dark, blue grey to black, medium crystalline, homogenous dolostone; microstylolytes common. A few early 2-5 mm thick quartz-carbonate veins approx. parallel to C.A., and later(?) hairline fractures lined with clear, euhedral, small quartz crystals.							19.61	19.96	0.20	0.19	95.0
									19.81	19.96	0.15	0.09	60.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-3 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
19.96	23.47	GREY FRACTURED DOLOSTONE							19.96	21.34	1.38	0.60	43.5
		Dark grey, med. Xine dolostone, in part with lighter coloured, nodular, coarser dolomite replacements, possibly after fossils or burrows. Abundant irregular fractures lined with red brown to limonitic siderite and calcite. Minor stylolytes with thin black residue layers. Core broken up along sideritic fractures giving it a red appearance in box.							21.34	22.86	1.52	0.93	61.2
		A few 1-5 mm thick, white quartz veins at 30 deg. C.A.; 5-20 mm thick white quartz veins at 22.50, 22.80 m.							22.86	23.47	0.61	0.18	29.5
		Fault at 21.20 m at 50 deg. C.A.; slicks pitching 20 deg. Fault surface lined with altered siderite, quartz and black shaly material.											
23.47	25.17	GREY DOLOSTONE							23.47	24.67	1.20	1.07	89.2
		Dark grey, med. to coarsely crystalline dolostone. Red patchy nodular replacements as above. Several generations of white 1-5 mm thick quartz veins,							24.67	25.17	0.50	0.46	92.0
		the latest typically at 45 deg. C.A.; the earliest at 50 deg. C.A.the other way; the middle one approx. parallel to C.A. at 24.70 m. Stylolytes developed last,											
		with black cumulate on surfaces. Relatively little red material along fractures. Sericite on fault surfaces and											
		on some fracture surfaces. Fault at 24.67 m at 45 deg.C.A.; slicks pitch 90 deg.											
		GREY DOLOSTONE, MINERALIZED											
25.17	26.42	Rock type as above. 1-3 mm blebs of galena on stylolytized fracture surface and in quartz and/or siderite lined hairline to 1-2 mm wide fractures.	81524 25.17-26.42	0.06	0.03	<0.01			25.17	26.42	1.25	0.82	65.6
		Galena less than 0.1%.											
		PALE GREY DOLOMITIC MUDSTONE											
26.42	26.82	Pale grey, fine grained/or crystalline homogenous dolomitic mudstone. Very few 1-2 mm wide white quartz veins; interbedded dark grey dolostone may be misplaced by drillers.							26.42	26.82	0.40	0.36	90.0
		GREY DOLOSTONE											
26.82	27.74	Lithology as above. Fault at 27.65 m at 80 deg. C.A.; slickensides pitch 90 deg.							26.82	27.74	0.92	0.67	72.8

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-4

AREA	GROUNDHOG	SECTION	0+25 NW	DATE Started	05-27-88
CLAIM	HV 104	AZIMUTH (T)	210 degrees	DATE Completed	05-28-88
GRID CO-ORDS Line		INCLINATION	-45 degrees	CONTRACTOR	E.Caron Diamond Drilling Ltd
GRID CO-ORDS Station		DEPTH Hole	35.05 m (115 feet)	LOGGED BY	Bruce Laird/Paul Ramaekers
SURVEY CO-ORDS Northing	36929.79	DEPTH Casing	6.10 m (20 feet)	CORE SIZE	HQ
SURVEY CO-ORDS Easting	14738.82	DEPTH Overburden	6.51 m (21.4 feet)	CORE RECOVERY	88.9 %
ELEVATION	1897.69 m	VERT. COMP.	24.29m	CORE STORED AT	YMC CAMP
STICK UP		HORIZ. COMP.	25.27m		

COMMENTS Drilled to verify southwest dip of Groundhog Zone

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	45	210	Brun				
30.48	43	210	acid				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	6.51	OVERBURDEN	6.51			
6.51	8.50	BLACK SHALE	1.99			
8.50	10.40	SILTY DOLOSTONE	1.90			
10.40	16.26	BX.SILTY DOLOSTONE	5.86			
16.26	18.34	MUDSTONE	2.08			
18.34	20.96	DOLOSTONE	2.62			
20.96	21.16	FAULT BX-MINERAL'D	0.20			
21.16	35.05	SILTY DOLOSTONE	13.89			

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au oz/ton

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-4 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	6.51	OVERBURDEN							6.10	6.71	0.61	0.39	64.0
6.51	8.50	BLACK SHALE							6.71	8.23	1.52	1.25	82.0
		Dark grey to black, finely laminated dolomitic shale. More intensely dolomitized section paler bluish grey. Bedding planes variable, mostly at 45 deg. C.A. Bedding becomes indistinct in the more dolomitized sections (7.50-8.23 m).							8.23	9.75	1.52	1.00	66.0
		Thin (to 1 mm) calcite veins parallel and at 40 deg C.A.; another set also at 45 deg. C.A. but striking about 90 deg. different.											
		Thin breccia zones at 45 deg. C.A. and perpendicular to bedding planes; also parallel to bedding. Slickensides on both sets.											
		Brown sideritic or ankeritic veins (1-4 mm thick) with or without quartz cores have variable orientations from 60 deg. C.A. to parallel to C.A. These veins are offset by fault or stylolyte planes.											
		Faults are common, and often marked by 2-10 mm thick breccias.											
8.50	10.40	SILTY DOLOSTONE							9.75	11.28	1.53	1.28	84.0
		Dark bluish grey, finely xine silty dolostone.											
		Locally weakly brecciated (fragments up to 4 cm across).											
		Minor thin quartz veins (<3 mm) parallel to C.A. with orange siderite? margins.											
		Fault gouge at 9.60-9.75 m.											
		Late fractures coated with limonaite at 17 deg C.A.											
		Local microbreccia zones 1-2 cm wide at 80 deg C.A.											
10.40	14.70	BRECCIATED SILTY DOLSTONE							11.28	12.19	0.91	0.88	97.0
		Bluish grey, finely Xine silty dolstone fragments up to 3 cm. Weakly mottled rey to black. Breccia cut by white-grey quartz veins to 1 cm wide with black, fine-grained selvages and siderite envelopes at 18 deg C.A. These are cut by white quartz veins up to 5 mm wide with sericite envelopes at 35 deg. C.A. Late fractures with limonite (orange brown clay) are randomly oriented.	81525 12.25-13.22	0.01	<0.01	<0.01	<5		12.25	13.22	0.97	0.97	100.0
		Fault gouge at 11.00-11.20m and 12.10-12.25 m.											
		Shaly interbed at 14.12-14.72 m.											

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-4 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
14.70	16.26	BRECCIATED SILTY DOLOSTONE Mottled light grey-black-orange fragments rimmed with quartz, calcite and ankerite? (up to 10% ankerite) matrix. Minor light grey clasts, possibly mudstone up to 1 cm across within dolostone. Local vugs 1 cm across lined with white rhombs (fizzes only in 30% HCl). Calcite coated fractures at 42 deg to C.A. Upper contact defined by quartz-calcite-ankerite vein at 35 deg. to C.A. Lower contact broken.							15.24	16.46	1.22	0.82	67.2
									16.46	17.98	1.52	1.46	96.1
16.26	18.34	MUDSTONE Light grey to pale green mudstone, finely laminated, with elongated black to bluish grey glecks 1-3 mm aligned at 50 deg. C.A. Irregular limonite patches 1-3 cm across at 17.90 m. Quartz veins 0.1-1 mm at 35 deg. C.A. occur at offfsets of 2-3 mm in older veinlets (1 mm wide) at 33 deg. to C.A. (angle between two sets is 69 deg.). Lower contact at 42 deg. to C.A. (fault); slickensides plunge 35 deg.							17.98	19.20	1.22	1.13	92.6
18.34	20.96	DOLOSTONE Mottled white, grey and black, medium to finely crystalline dolostone. Stylolytes at 30 deg. to C.A. cut older quartz veins up to 5 mm wide at 22 deg. to C.A. Minor orange ankerite rims around white dolomite patches.							19.20	20.73	1.53	1.53	100.0
									20.73	22.96	0.23	0.23	100.0
20.96	21.16	MUDSTONE/DOLOSTONE FAULT BRECCIA - MINERALIZED Light grey, finely crystalline mudstone or dolstone. Rectangular clasts preferentially oriented at 35 deg. to C.A. and parallel to lower fault contact. Trace of galena occurs as fine grains envelopping a quartz druse 1 cm across and as small blebs up to 3 mm across in quartz matrix. Fault matrix composed of white crystalline quartz and orange-brown earthy clays.	81526 20.96-21.16	0.06	0.19	<0.02	12		20.96	21.16	0.20	0.20	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-4 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
21.16	23.04	SILTY DOLOSTONE											
		Mottled, light grey to black, finely crystalline dolstone cut by quartz-calcite ankerite veins. Orange brown ankerite occurs allong the margins of veins up to 2 cm wide and as rims around lithic fragments within the vein. These veins are randomly oriented and contain drusy quartz vugs up to 7 cm across from 23.14 to 25.26 m. A younger set of white quartz veins up to 5 mm wide occure at 30 deg. to C.A. Discontinuous quartz stringers occur between stylolites; or these may be tension gashes. Stylolytes occur at 50 deg. to C.A. Angles between stylolites and white quartz veins are from 70-80 deg.; and between stylolites and tension gashes are 45 deg.										
23.04	23.10	CARBONACEOUS UNIT - POSSIBLY FAULT OR STYLOLITE											
23.10	25.18	SILTY DOLOSTONE	81527 23.14-23.64	<0.01	<0.01	<0.01	<5		23.14	23.64	0.50	0.50	100.0
		Lithology as above. Earliest quartz veins drusy with patches up to 7cm across from 23.14-25.26m.											
25.18	25.26	MUDSTONE							24.38	25.91	1.53	1.45	94.8
		Black fine grained mudstone. Lower contact along stylolite? at 23 deg. to C.A.											
25.26	25.32	FOSSILIFEROUS DOLOSTONE											
		Grey, crystalline fossiliferous floatstone dolostone. 20% tabular (up to 5 mm across; Amphipora?) and 10% bulbous stromatoporoids up to 5 cm across.											
25.32	31.60	FOSSILIFEROUS MOTTLED DOLOSTONE							25.91	27.43	1.53	1.41	92.1
		Grey, fine grained dolostone with 40-60 % lighter patches that may be bulbous							27.43	28.96	1.53	1.50	98.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-4 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
25.32	31.60	FOSSILIFEROUS MOTTLED DOLOSTONE (CONTINUED)							27.43	28.96	1.53	1.50	98.0
		at 70 and 15 deg. to C.A. (about 90 deg. to each other). White quartz veins also parallel to stylolites. Stylolites cross or in places rim the stromatoporoids. Fault at 27.74-27.89 m.											
		MINERALIZED FAULT	81528 28.30-28.53	0.05	<0.01	0.01	<5		28.30	28.53	0.23	0.19	82.6
		Mineralized fault at 28.30-28.53 m. Galena occurs in limonitic orange clay lined vug. Broken rubbly core, possibly a fault at 31.42 - 32.37 m.							30.48	32.00	1.52	1.35	88.8
		DOLOSTONE - FOSSILIFEROUS											
		Mottled grey-black recrystalized dolostone w\mixed amphora, <=5m across, and stromatoporoid, <=5cm across - floatstone. White quartz veins up to 5cm wide occur @15 deg to c.a. and are terminated by styolites @75deg to c.a. Styolites also occur parallel to the veins and 90 deg to other styolites. Styolites do not cross cut bulbous stroms.											
		DOLOSTONE - FOSSILIFEROUS ?											
		Homogenous grey black recrystalized dolostone, may or may not contain fossils. Veining and styolites as above. Lower contact defined by fault at 35 deg to c.a.											
		DOLOSTONE - FOSSILIFEROUS											
		Grey recrystalized dolostone with 30% white amphipora-floatstone - prefrentially oriented 40 deg to c.a.											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-5

AREA: GROUNDHOG
CLAIM: HV 104
GRID CO-ORDS: Line; Station
SURVEY CO-ORDS: Northing 36889.64; Easting 14744.37
ELEVATION: 1899.31 m
STICK UP:
COMMENTS:

SECTION: 0+00 NW
AZIMUTH (T): 030 DEGREES
INCLINATION: -45 DEGREES
DEPTH: Hole 30.48 m (100 ft); Casing 3.66 m (12 ft); Overburden 3.66 m (12.0 ft)
VERT. COMP.: 21.55m
HORIZ. COMP.: 21.55m

DATE: Started 05-28-88; Completed 05-29-88
CONTRACTOR: E.CARON DIAMOND DRILLING
LOGGED BY: BRUCE LAIRD
CORE SIZE: HQ
CORE RECOVERY:
CORE STORED AT: YMC CAMP

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	030	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	3.66	OVERBURDEN	3.66			
3.66	7.76	MUD/DOLOSTONES	4.10			
7.76	16.06	BX MUD&DOLOST;MIN.	8.30			
16.06	16.74	SHALE; MUDSTONE	0.68			
16.74	22.41	DOLOSTONES	5.67			
22.41	23.72	PYRITIC MUDSTONE	1.31			
23.72	30.48	FAULTED DOLOSTONE	6.76			

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au oz/ton

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-5 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.66	OVERBURDEN											
3.66	6.10	DOLOSTONE/MUDSTONE							3.66	6.10	2.44	0.57	23.4
		Dark grey finely crystalline dolostone. Fizzes freely with 20% HCl. White quartz veins 0.5-3 cm wide with minor drusy quartz and dolostone fragments occur at 30 deg. to C.A.											
6.10	6.20	DOLOSTONE/ MUDSTONE; FAULT GOUGE							6.10	7.16	1.06	0.70	66.0
		Pale green ground dolostone, very brecciated core							7.16	8.69	1.53	1.45	94.8
6.20	7.76	CALCAREOUS BLEACHED MUDSTONE	81529 7.01-7.76	<0.01	<0.01	<0.01	<5		7.01	7.76	0.75	0.69	92.0
		Light grey to pale brown calcareous fine grained mudstone fragments supported in a black fine grained mud matrix with laminations subparallel to the fragment boundaries. Brecciation possibly due to soft sediment deformation. Thin ankerite and quartz veins through both fragments and matrix.											
7.76	9.23	SILICIFIED BLEACHED MUDSTONE; VEIN ZONE	81530 7.76-9.23	0.07	<0.01	<0.01	<5		7.76	9.23	1.47	1.15	78.2
		Pale brown silicified, brecciated mudstone as above; Calcareous patches only along late randomly oriented limonitic clay hairline fractures. Drusy white quartz veins up to 3 cm wide contain traces of fine grained framboidal pyrite. Older set of quartz veins 3-5 mm wide parallel to C.A. Mosaic breccia.											
9.23	16.06	DOLOSTONE MOSAIC BRECCIA; MINERALIZED	81531 9.23-10.36	0.27	0.12	0.03	<5		9.23	10.36	1.13	0.94	83.2
		Dark and light grey, mottled recrystallized dolostone. Drusy white quartz veins at 30 deg. to C.A.; quartz patches to 7 cm. Galena less than 0.1 to 1 % with trace amounts of chalcopyrite in quartz patches.	81532 10.36-11.89	0.06	0.02	0.03	<5		10.36	11.89	1.53	1.53	100.0
		Randomly oriented limonitic fractures at 30 and 60 deg. to C.A. and perpendicular to each other. Fault gouge from 12.57 - 12.90 limonitic.	81533 11.89-12.51	0.06	0.01	0.02	<5		11.89	12.57	0.62	0.46	74.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-5 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
16.06	16.46	BLEACHED SHALE	81534 12.51-12.90	0.18	0.02	0.02	<5		12.51	12.90	0.39	0.26	66.7
		Pale brown fine grained finely laminated at 30 deg. to C.A. Broken upper contact.	81535 12.90-13.41	0.29	0.09	0.05	<5		12.90	13.41	0.57	0.57	100.0
			81536 13.41-14.94	0.03	<0.01	0.04	<5		13.41	14.94	1.53	1.46	95.4
			81537 14.94-16.02	0.07	0.02	0.03	<5		14.94	16.02	1.08	1.06	98.1
16.46	16.74	DOLOMITIC SILTSTONE - FOSSILIFEROUS?							16.06	16.46	0.40	0.37	92.5
		Black to dark grey floatstone. Elongated white patches 2x4 mm distributed through matrix may be fossils.											
16.74	17.33	DOLOSTONE; MOSAIC BRECCIA							16.46	16.74	0.28	0.28	100.0
		Grey-brown mottled finely crystalline dolostone. Styolites at 40 deg. to C.A. Variably bleached. Quartz veins less than 1mm wide at 55 deg. to C.A. Angle between styolite and vein 15 deg.							16.46	17.98	1.52	1.52	100.0
		Fault at 17.74 - 17.90 m.											
		DOLOSTONE - FOSSILLIFEROUS(?)											
17.33	22.41	White mottled medium crystalline dolostone; fossil fragments(?) 3x12 mm, possibly bryozoans. White quartz veins @15 deg to c.a. Limonitic fractures @35 deg to c.a. Styolites @80 deg to c.a. Quartz vein 18.80 - 22.41 styolite=65 deg. Second set of white quartz veins @30 deg to c.a. veins intersect @45 deg. Faults @19.20-19.4 Rubbly core @19.94-20.44. Broken core.											
		SHALEY MUDSTONE - PYRITIC											
22.41	23.72	Black fine grained masive mudstone with trace to 5% fine grained disseminated and enveloping pyrite on limonitic fractures @42 deg and 75 deg to c.a. w\63 deg between fractures. Pyrite content increases towards bottom of the unit.							21.95	23.17	1.52	1.52	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-5 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz\ton		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
22.41	23.72	SHALEY MUDSTONE; PYRITIC (Continued)	81538 22.41-23.72	0.01	0.01	<0.01	<0.002		22.41	23.72	1.31	1.31	100.0
		Fault lower contact @30 deg to c.a. w\slices @30 deg.											
23.72	27.43	DOLOSTONE FAULT ZONE							23.47	24.38	0.91	0.72	79.1
		Grey black finely xtaline dolostone fault mosaic. Breccia fragment supported with white quartz limonite matrix. Fragments are variably silicified. Slip planes @30-50 deg to c.a. Core is broken. Locally competent w\styolites @30 deg to c.a.							24.38	25.91	1.53	0.71	46.4
									25.91	27.43	1.52	1.23	80.9
27.43	29.73	DOLOSTONE							27.43	28.93	1.50	1.28	85.3
		Light grey coarse xtaline dolostone cut by quartz vein <=1cm wide @20 deg to c.a. Younger set of drusy quartz veins up to 2cm wide w\sericite margins @60 deg to c.a. 40 deg between veins styolites @15 deg to c.a. w\35 deg between styolites and oldest veins.											
29.73	30.40	DOLOSTONE; FAULT ZONE							28.93	30.48	1.55	1.47	94.8
		Lithology as above; core extremely broken up with limonite and graphite gouge.											
30.40	30.48	DOLOSTONE											
		Lithology as above. E.O.H.											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-6

AREA	No.3 Zone	SECTION	0+60N	DATE Started	05-30-88 (Day)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-02-88 (Day)
GRID CO-ORDS Line		INCLINATION	-45 degrees	CONTRACTOR	Caron Diamond Drilling
GRID CO-ORDS Station		DEPTH Hole	48.77m	LOGGED BY	B.Laird
SURVEY CO-ORDS Northing	35654.95 N	DEPTH Casing	6.10m	CORE SIZE	HQ
SURVEY CO-ORDS Easting	15518.72 E	DEPTH Overburden	2.44m	CORE RECOVERY	91.1 %
ELEVATION	1953.20m	VERT. COMP.	32.70m	CORE STORED AT	YMC Camp core racks
STICK UP		HORIZ. COMP.	36.14m		

COMMENTS When running back into hole @ 14.02m, hole deviated at 13.48m to -40 deg with 1.15m re-drilled core.

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	070	Brunt.				
14.63	-40	070	Acid				
48.77	-42	070	Acid				

GEOLOGY

FROM	TO	LITHOLOGY	INT.	T.W.	H.W.	MMP
0.00	2.44	OVERBURDEN				
2.44	24.38	DOLOSTONE				
24.38	35.06	OZ/GZ	10.68	10.67	13.17	29.72
35.06	47.25	SHALE				
47.25	48.77	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov %
0.50	0.71	4.99	0.003	90.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-6 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	2.44	OVERBURDEN											
2.44	15.24	DOLOSTONE: Grey, limonitic dolostone. Coarse Crystalline. Rubbly core. Minor hematite occurs along hairline fractures. Extremely limonitic zones at 8.36-8.56, 8.94-9.56, 10.43-10.98, 11.09-11.11,14.26-14.43, and 14.62-14.82m. Quartz veins (oldest event) <5mm @ 20-25 degrees to Core Axis.	81563 8.06-8.56	0.07	0.04	0.16	38.00		2.44	3.05	0.61	0.39	63.9
									3.05	3.96	0.91	0.72	79.1
15.24	16.61	FAULT BRECCIA: Limonite dolostone. Local bands of weakly Fe altered dolostone up to 10 cm wide.							3.96	4.42	0.46	0.28	60.9
									4.42	4.72	0.30	0.25	83.3
16.61	21.34	DOLOSTONE: Light grey, coarse crystalline; Styolites @ 40-60 degrees to core axis. White quartz veins <=1cm @ 50 degrees to core axis. Recrystallized with minor Fe carbonate present.							4.72	6.10	1.38	0.68	49.3
									6.10	7.32	1.22	0.78	63.9
									7.32	7.77	0.45	0.37	82.2
									7.77	9.14	1.37	1.26	92.0
									9.14	10.67	1.53	1.41	92.2
									10.67	12.19	1.52	1.52	100.0
									12.19	13.72	1.53	1.42	93.5
									13.72	15.24	1.52	1.25	82.2

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-6 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
			81563 8.36-8.56	0.07	0.04	0.16	38				0.20	0.20	100.0
			81564 8.94-9.56	1.31	0.44	0.49	202				0.62	0.43	69.4
			81565 10.43-11.11	0.24	0.24	0.23	89				0.68	0.68	100.0
			81566 14.26-15.78	1.01	0.01	9.04	233				1.52	1.46	96.1
									15.24	16.61	1.37	0.89	65.0
									16.61	18.44	1.53	1.35	88.2
									18.14	18.29	0.15	0.14	93.3
									18.29	19.81	1.52	1.44	94.7
							Au oz/ton		19.81	20.59	0.78	0.46	59.0
			81539 20.59-21.34	<0.01	0.02	0.07	<0.002		20.59	21.34	0.75	0.59	78.7
21.34	29.88	MINERALIZED ZONE: Originally black, medium crystalline (stachyodes??) dolostone? Variably altered, brecciated, and mineralized.					Au ppb						
		21.34-22.86 30-40% limonite matrix. Grey medium-coarse crystalline with 1-3% galena in	81540 21.34-21.86	2.69	3.92	1.80	551		21.34	21.86	0.52	0.49	94.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-6 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au oz/ton	Au ppb	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		patches and stringers. Prominant fracture direction @ 40 deg. to core axis. Rubble breccia.	81541 21.86-22.86	0.54	0.83	0.39	0.003		21.86	22.86	1.00	1.00	100.0
		22.86 - 27.43: rubble breccia 20-30% limonite and clay with dark medium crystalline fossiliferous dolostone rubble breccia. Quartz veins @ 35 deg. to core axis with oblique styolites @ 35. Angle between = 70 deg. Slip plane subparallel to quartz veins with slickensides @ 80 deg. to core axis.	81542 22.86-24.38	0.24	0.23	0.72	0.002		22.86	24.38	1.52	1.45	95.4
			81543 24.38-25.91	0.52	0.52	6.30	0.003		24.38	25.91	1.53	1.22	19.7
			81544 25.91-27.43	0.55	0.51	8.50	0.009		25.91	27.43	1.52	1.52	100.0
		27.43 - 27.81m Zebroid limonite matrix (40-60%) with black-grey medium crystalline fossiliferous dolostone. Stripes trend 54 deg. to core axis parallel to lower fault contact.	81545 27.43-27.81	0.40	0.51	10.58	0.002		27.43	27.81	0.38	0.36	94.7
		27.81 - 29.88m Black carbonaceuos mudstone interbedded with dark medium crystalline dolostone. Dolostone fragments in muddy matrix with floating fossiliferous dolostone. Fault rubble breccia recrystallized by quartz and limonite. Brecciated quartz veins @ 58 deg. to core axis at 28.96-29.28m. White quartz vein @ 30 deg. to core axis with dolostone and carbon fragments contains 1-3% discontinuous galena stringers. Quartz limonite veins with trace galena randomly oriented.	81546 27.81-28.96	0.38	0.63	3.08	0.003		27.81	28.96	1.15	1.05	91.3
			81547 28.96-29.28	0.80	2.04	2.84	0.008		28.96	29.28	0.32	0.23	71.9
			81548 29.28-29.88	0.13	0.29	1.67	0.002		29.28	29.88	0.60	0.57	95.0
29.88	31.14	STACHYODES?? DOLOSTONE: Dark, medium crystalline, cut by hairline quartz veins @ 12 deg. to core axis. White 1 cm wide quartz veins @60 deg. to core axis with trace galena (intervein angel = 72 deg.). Styolites @ 70 deg. to core axis. Inter vein/styolite angle = 40 deg. to core axis.	81549 29.88-31.14	0.12	0.19	0.62		22	29.88	31.14	1.26	1.14	90.5
31.14	32.14	FAULT BRECCIA: Dark, medium crystalline dolostone with 30-40% limonite matrix. Prominent fractures @ 50 deg. to core axis. Carbonaceous lower contact @ 60 deg. to core axis.	81550 31.14-32.14	0.27	0.24	4.98		48	31.14	32.14	1.00	0.69	69.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-6 PROPERTY KETZA PROJECT

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
32.14	35.06	MINERALIZED ZONE: Ferruginous dolostone with oxidized pyrite (<.5mm) framboids (1-3%). Fault mosaic breccia (32.14 - 32.47m) 3 % galena in matrix clots up to 1 cm - apparently replacing matrix. Quartz veins @ 50 deg. to core axis and 10 deg. to core axis. Intervein angle 60 degrees.	81551 32.14-32.47	0.73	1.52	3.48	95		32.14	32.47	0.33	0.30	90.9
			81552 32.47-33.44	0.10	0.16	1.92	105		32.47	33.44	0.97	0.97	100.0
		33.44 - 35.06m Fault mosaic breccia; black, medium crystalline fossiliferous dolostone. 15-30% limonite matrix (with 5% matrix hosted galena between 34.57 - 34.83m). Prominant fractures @ 30 deg. to core axis.	81553 33.44-34.35	0.32	0.06	6.10	90		33.44	34.35	0.91	0.89	97.8
			81554 33.35-34.57	0.07	0.05	3.33	21		33.35	34.57	0.22	0.22	100.0
			81555 34.57-34.83	6.18	11.43	13.65	20		34.57	34.83	0.26	0.26	100.0
			81556 34.83-35.06	0.59	0.40	11.45	19		34.83	35.06	0.23	0.22	95.7
35.06	36.45	GREY-BLACK SHALE: mm scale, well laminated shale with white dolostone? clasts approx. 2mm across. Bedding @ 45 deg. to core axis. White cockscomb quartz veins (1.5cm wide) with limonite stained and oxidized pyrite (5mm across) and trace galena @ 45 deg. to core axis - perpendicular to bedding. Fault rubble breccia from 35.06 - 35.41m, and with a white dolomitic matrix @ 35.69 - 35.79m and 36.15 - 36.25m.	81557 35.06-35.78	0.24	0.20	1.37	42		35.06	35.78	0.72	0.71	98.6
			81558 35.78-36.45	0.38	0.75	0.22	47		35.78	36.45	0.67	0.64	95.5
36.45	36.58	DOLOSTONE Light grey, coarse crystalline.							36.45	36.58	0.13	0.10	76.9
36.58	36.86	SHALE Dark grey, black.							36.58	37.80	1.22	1.02	83.6
36.86	37.51	SHALE Green-black; finely laminated. Foliation @ 60 deg. to core axis.							37.80	39.32	1.52	1.48	97.4
37.51	41.45	SHALE							39.32	39.93	0.61	0.54	88.5

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-6 PROPERTY KETZA PROJECT

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		Local bands @ 39.72 partially dolomitized. Pyrite oxidized concretions? Possible nodules with limonitic pressure shadows @ 40.95 - 41.45m. Green orange limonitic shear - foliation @ 15 deg. to core axis.							39.93	41.45	1.52	1.38	90.8
									41.45	43.13	1.68	1.45	86.3
41.45	41.60	DOLOSTONE: Dark grey, medium crystalline. Lower contact @ 15 deg. to core axis.							43.13	43.56	0.43	0.43	100.0
41.60	46.63	DOLOMITIC SHALE: Dark grey/black; as above with bedding @ 30 deg. to core axis. 44.31 - 44.91m:fine grained massive pyritic gouge (70%) foliated @ 25 deg. to core axis.	81560 43.56-44.31	0.05	0.01	0.05	9		43.56	44.31	0.75	0.60	80.0
			81561 44.31-44.91	0.10	0.03	0.01	7		44.31	44.91	0.60	0.49	81.7
			81562 44.91-45.66	0.11	0.02	0.02	43		44.91	45.66	0.75	0.72	96.0
									45.66	46.33	0.67	0.64	95.5
46.63	47.25	SHALE: Green/black, with grey medium crystalline dolomitic clasts. Limonitic with 1-3% oxidized pyrite framboids and 5% dolostone clasts with limonite/hematite pressure shadows??							46.33	48.01	1.68	1.40	83.3
									48.01	48.77	0.76	0.61	83.3
47.25	48.77	DOLOSTONE: Grey, medium crystalline, homogenous dolostone with foliation @ 45 deg. to core axis. Earliest quartz veins @ 25 deg. to core axis, followed by hematitic hairline veining @ 35 deg. to core axis. Intervein angle = 60 deg. Minor coarse dolomite veins (1 cm wide) subparallel to bedding. Upper contact @ 60 deg. to core axis. (15 deg from bedding) Bedding indistinct near veins.											
		EOH 48.77 metres (160 feet) TOTAL RECOVERY: 91.1% ZONE RECOVERY:											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY Ketza Project **D.D.H.** YM88-7

AREA	No.3 Zone	SECTION	0+58.5 N	DATE Started	06-02-88 (N)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-05-88 (D)
GRID CO-ORDS Line		INCLINATION	-45	CONTRACTOR	Caron Diamond Drilling
GRID CO-ORDS Station		DEPTH Hole	63.72m	LOGGED BY	B.Laird
SURVEY CO-ORDS Northing	35647.55 N	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15498.08 E	DEPTH Overburden	3.46m	CORE RECOVERY	92.6%
ELEVATION		VERT. COMP.	43.84m	CORE STORED AT	YMC Camp Racks
STICK UP		HORIZ. COMP.	46.23m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	070	Brunt.				
30.48	-43	070	Acid				
63.72	-43	070	Acid				

GEOLOGY

FROM	TO	LITHOLOGY	INT.	T.W.	H.W.	HMP
0.00	3.46	Overburden				
3.46	22.67	D(F)				
22.67	22.82	Quartz Vein				
22.82	35.98	Dolostone				
35.98	38.10	Dolostone Bx				
38.10	46.05	OZ/GZ	7.95	7.90	12.16	42.08
46.05	63.72	Sh,D,dM				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au oz/ton	Recov %
2.65	3.07	6.70	0.004	77.90

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH *YM88-7* PROPERTY *KETZA PROJECT*

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.46	OVERBURDEN											
3.46	7.92	LIGHT GREY RECRYSTALIZED DOLOSTONE +/- FOSSILS broken core, quartz vein </= 5 cm wide at 40 deg to c.a. and stylolites at 15 deg to c.a., (inter stylolite vein angle = 25 deg). Stylolites are limonitic with small blebs of hematite.							3.35	4.88	1.53	0.95	62.1
									4.88	6.40	1.52	1.34	88.2
									6.40	7.92	1.52	1.45	95.4
7.92	15.72	MOTTLED LIGHT & GREY BULBOUS STROM DOLOSTONE Massive med xtaline recrystalized. Stroms up to 6 cm across - pack stone. Quartz veins (minor) </= 5mm. wide @ 60 deg to c.a.							7.92	9.14	1.22	1.19	97.5
									9.14	10.67	1.53	1.48	96.7
									10.67	12.19	1.52	1.50	98.7
									12.19	13.72	1.53	1.57	98.7
									13.72	15.24	1.52	1.47	96.7
15.72	22.67	MASSIVE GREY DOLOSTONE +/- FOSSILS Coarse xtaline recrystalized cut by quartz vns </= 2 cm. across @ 60 deg to c.a. 18.73 - 19.70 crackle bx							15.24	16.76	1.52	1.4	96.1
									16.76	18.29	1.53	1.45	94.8
									18.29	19.81	1.52	1.51	99.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-7 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		20.31 - 20.81 AMPHIPORA FLOAT STONE GREY AMPHIPORA							19.81	21.34	1.53	1.50	98.0
		40 - 50% up to 1.0 cm across. Styolites @45 deg to c.a. perp. to Qz veins.							21.34	22.86	1.52	1.45	95.4
22.67	22.82	WHITE QUARTZ VEIN											
22.82	33.95	@40 deg to c.a.							22.86	24.38	1.52	1.43	94.1
		BLEACHED RECRYSTALIZED DOLOSTONE, HANGING WALL DOLOSTONE											
		Mottled w/ red orange Fe carb (ankerite?) limonite & hematite along styolites @							24.38	25.91	1.53	1.47	96.1
		55 deg to c.a. & 35 deg to c.a.							25.91	27.43	1.52	1.52	100.0
									27.43	28.96	1.53	1.53	100.0
									28.96	30.48	1.52	1.45	95.4
									30.48	31.93	1.45	1.45	100.0
31.93	32.17		81587 31.93-32.17	0.11	0.01	0.07	27.0		31.93	32.17	0.24	0.24	100.0
		Clay sericite, limonite-hematite gouge							32.17	33.52	1.35	1.20	88.9

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-7 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cd ppm	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
33.95	35.98	LIGHT GREY COARSE XTALINE DOLOSTONE MINOR Fe CARB ALTERED.							33.52	33.95	0.43	0.42	97.7
		Recrystalized giving white grey mottling. White Qz veins </=5mm wide @70 deg to c.a. Hematite, limonite fractures @ 35 deg to c.a. (vn ^ frac = 35 deg). Limonite fault gouge @ 33.95 - 34.00 @ 60 deg to c.a.	81567 33.95 - 35.05	0.07	0.07	0.12	18		33.95	35.05	1.10	1.07	97.3
			81568 35.05 - 35.98	0.05	0.03	0.12	46		35.05	35.98	0.93	0.83	89.2
35.98	38.39	GALENA ZONE											
		Bleached to tan Fe carb dolostone. Dark med xtaline dolostone fault mosaic to rubble BX- orange brown limonite matrix with trace to 1 % GL blebs up to 1 cm across associated with highly limonitic clay gouge, fractures @ 65 deg to c.a. Minor Qz	81569 35.98 - 36.58	0.11	0.03	2.31	125		35.98	36.58	0.60	0.52	86.7
		38.20 GL / limonite Qz vn 3 cm wide	81570 36.58 - 38.10	1.11	1.44	2.38	172		36.58	38.10	1.52	1.52	100.0
		38.25 - 38.39 GL / limonite frac @ 25 deg to c.a along styolite.											
		38.39 - 39.00 along styolite limonite & green grey clay gouge w/ trace to 1 % GL diss.	81571 38.10 - 39.62	2.30	2.30	12.30	107	787	38.10	39.62	1.52	1.36	89.5
			81572 39.62 - 40.24	18.60	23.28	9.60	355	716	39.62	40.24	0.62	0.62	100.0
38.39	46.97		81573 40.24 - 41.15	0.38	0.67	3.83	38	195	40.24	41.15	0.91	0.88	96.7
		OXIDE ZONE											
		39.62 - 40.24 contains 30 % limonite gouge & 1-3% galena associated with gouge.	81574 41.15 - 42.05	2.04	2.42	0.90	209	84	41.15	42.05	0.90	0.82	91.1
		Gouge = 90 deg. 40.24 - 42.05 tan-grey coarse recrystalized dolostone fault w/ GL/limonite +/- qz vns 0.5 - 1 cm wide @ 75 deg to c.a.	81575 42.05 - 42.77	3.66	4.44	3.27	283	265	42.05	42.77	0.72	0.55	76.4
		42.05 - 42.17 limonite gouge w/ 1 - 3% GL as diss blebs											
		42.37 - 42.77 limonite gouge w/ 1 - 3% GL as diss blebs 1-1.5 cm across											

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-7 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cd ppm	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
42.77	45.02	BLACK GREY MED XTALINE FOSSILIFEROUS DOLOSTONE	81576 42.77 - 44.50	0.25	0.15	5.73	29	327	42.77	44.50	1.73	0.65	36.7
		(AMPHIPORA?) FAULT MOSAIC BX 42.77 - 44.30 rubbly core, poor recovery -- wash trace GL along limonitic frac. @ 70 deg to c.a.	81577 44.50 - 45.02	0.19	0.27	5.26	13	259	44.50	45.02	0.52	0.42	80.8
			81578 45.02 - 45.72	0.45	0.15	6.83	69	503	45.02	45.72	0.70	0.61	87.1
45.02	46.97	BLEACHED TAN Fe CARB REPLACED DOLOSTONE FAULT RUBBLE BX. 42.05 - 45.72 60 % limonite gouge 45.72 - 46.05 10 - 15% limonite - rubbly core 46.05 - 46.97 35 - 50% limonite matrix bleached tan dolostone fault rubble bx END OF OXIDE ZONE	81579 45.72 - 46.05	1.08	0.02	13.80	111	636	45.72	46.05	0.33	0.28	84.8
			81580 46.05 - 46.97	0.41	0.19	0.85	168		46.05	46.97	0.92	0.83	90.2
46.97	49.31	DARK MED XTALINE FOSSILIFEROUS ? DOLOSTONE FAULT RUBBLE BX Frags in dull grey-green brown earthy clay dolostone? Matrix dolomitic grey black shale clast similiar to that below the zone in ym88-6.	81581 46.97 - 47.24	0.04	0.01	0.44	52		46.97	47.24	0.27	0.26	96.3
			81582 47.24 - 48.77	0.05	0.01	0.07	28		47.24	48.77	1.53	1.36	88.9
			81583 48.77 - 49.31	0.14	0.01	0.02	117		48.77	49.31	0.54	0.54	100.0
49.31	50.09	BLACK GREEN EARTHY SHALE / DOLOSTONE INTERBEDDED 49.31 - 49.37 Soft - possibly gouge 49.37 - 49.55 fossiliferous dolostone crackle bx w/ Qz vns 11 to c.a. 49.55 - 49.75 dolomitic shale - finely laminated black shale w/ white dolomitic grains up to 3 mm across. Bedding @ 70 deg to c.a. 49.75 - 50.03 dark med-fine xtaline dolostone 50.03 - 50.09 dolomitic shale bedding @ 65 deg to c.a.								49.31	50.29	0.98	0.92	93.9
50.09	50.60	dark fine med xtaline dolostone (may be dolomotized shale)							50.29	51.82	1.53	1.53	100.0
50.60	52.06	DARK FINE-MED XTALINE DOLOSTONE DOLOMITIZED SHALE? Crackle bs w\ cream dolomitic vns perp to c.a. & 70 deg to c.a.							51.82	53.34	1.52	1.46	95.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-7 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
52.06	53.54	GREY BLACK DOLOMITIC SHALE Partial Dolomitization forming oblong clast up to 2 cm x 0.5 cm along foliation. Trace to 1% nodules up to 1 cm across w/ oxidized pyrite cores (hematite).							53.34	53.54	0.20	0.20	100.0
53.54	53.90	MASSIVE PYRITE Very fine grained occuring in bleb and streaks along the foliation @ 50 deg to c.a. Pyrite comprises up to 70% of rock in a shaly-corbonate matrix	81584 53.54 - 53.90	0.15	0.01	0.02	115		53.54	53.90	0.36	0.36	100.0
53.90	55.26	DARK GREY DOLOMITIC SHALE As above w/ dolomitized clasts & oxidized pyrite nodules. Foliation @ 40 deg to c.a. Qz vns, white 2.3 mm wide 25 deg to c.a. (15 deg to foliation) younger qz veins, white 2-3 mm wide @10 deg to c.a. (90 deg to other vn)							53.90	54.86	0.96	0.88	91.7
									54.86	55.26	0.40	0.39	97.5
55.26	55.53	MASSIVE PYRITE As above @ 45 deg to c.a.	81585 55.26 - 55.53	0.23	0.02	0.01	326		55.26	55.53	0.27	0.27	100.0
55.53	56.82	DARK DOLOMITIC SHALE. As above.							55.53	56.39	0.86	0.84	97.7
									56.39	56.82	0.43	0.41	95.3
56.82	58.06	LIMONITE ZONE Limonite and clay matrix 30 % with rounded clasts of light grey dolostone up to 6 cm across floating in the matrix	81586 56.82 - 58.06	0.18	0.02	0.03	53		56.82	58.06	1.24	1.24	100.0
58.06	58.91	DARK MED XTALINE DOLOSTONE Crackle BX w/ 1 - 3 mm wide qz-carb vns @ 55 deg to c.a. & 15 deg to c.a. (vn ^ vn 40 deg)							58.06	59.44	1.38	1.36	98.6
58.91	60.58	HETEROGENOUS DOLOSTONE / SHALE RUBBLE BX Green grey silicieous matrix (60 deg) w/ angular frags up to 5 cm across. Average frag size approx. 1.5 cm.							59.44	60.50	1.06	0.92	86.8
		** (TOTAL HOLE RECOVERY = 92.6 %) ** ** (MINERALIZED ZONE 35.98 - 46.97=90.6%)**							60.50	62.18	1.68	1.47	87.5
60.58	62.06	LIGHT GREY DOLOMITIC MUDSTONE Weak foliation @ 45 deg to c.a. and qz vns 3 m wide @ 30 deg to c.a. vein foliation angle = 15 deg											
62.06	63.70	deg)							62.18	63.70	1.68	1.46	86.9

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-8

AREA	NO.3 ZONE	SECTION	0+58.5 N	DATE Started	06-05-88 (D)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-07-88 (D)
GRID CO-ORDS Line		INCLINATION	-74 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	65.23m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35647.17	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15496.84	DEPTH Overburden	2.51m	CORE RECOVERY	86.1%
ELEVATION	1951.77m	VERT. COMP.	62.70m	CORE STORED AT	YMC CAMP CORE RACKS
STICK UP		HORIZ. COMP.	17.98m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-74	070	BRUNT				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	2.51	OVERBURDEN				
2.51	22.27	DAMPHI				
22.27	45.80	DOLOSTONE				
45.80	54.86	OZ/GZ/VZ	9.06	7.42	9.55	50.33
54.86	61.52	sSH/D BRECCIA				
61.52	65.23	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.31	3.39	6.16	0.006	92.6%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-8 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	2.59	OVERBURDEN											
2.59	10.97	GREY MED XTALINE DOLOSTONE +/- FOSSILIFEROUS Highly broken core w/ limonite on fractures. Quartz veins up to 1 cm wide occur @ 30 deg to c.a. parallel to prominant fracture direction. Possible foliation @ 60 deg to c.a., 90 deg to fractures. Possible amphipora?							2.59	3.35	0.76	0.55	72.4
									3.35	4.42	1.07	0.58	54.2
									4.42	5.07	0.65	0.15	23.1
		Quartz vein rubbly core	81613 5.07 - 5.26	0.04	<0.01	0.01	35		5.07	5.26	0.19	0.11	57.9
									5.26	6.40	1.14	0.33	28.9
									6.40	7.77	1.37	1.11	81.0
		Spongy orange brown limonite @ 35 deg	81614 7.72 - 7.81	0.22	0.22	0.16	509		7.72	7.81	0.09	0.07	77.8
									7.81	7.92	0.11	0.08	72.7
									7.92	8.83	0.91	0.73	80.2
									8.83	9.45	0.62	0.45	72.6
									9.45	10.97	1.52	0.84	55.3
10.97	12.19	FAULT? -SAND AND GRAVEL Minor quartz cemented rubble bx	81615 10.97 - 12.19	0.02	<0.01	0.04	18		10.97	12.19	1.22	0.43	35.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH - YM88-8 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
12.19	15.87	GREY WHITE COARSE REXTALIZED DOLOSTONE Trace Fe carb. Minor qtz veins 1 cm wide @ 20 deg to c.a. Styolites @ 40 deg to c.a. w/ limonite and hematite along partings.							12.19	13.41	1.22	0.83	68.0
									13.41	14.94	1.53	1.18	77.1
									14.94	15.54	0.60	0.51	85.0
15.87	16.07	DARK GREY MED XTALINE AMPHIPORA DOLOSTONE 60% amphipora floatstone foliation @ 60 deg to c.a. White qtz vn 1.5 cm wide w/ trace druses up to 1 cm across @ 18 deg to c.a., 78 deg to foliation.							15.54	17.07	1.53	1.41	92.2
16.07	22.27	LIGHT COARSE RECRYSTALIZED DOLOSTONE +/- FOSSILIFEROUS Trace Fe carb (ankerite). Possible trace outlines of stroms. Minor quartz vns 5mm wide @ 55 deg to c.a. and 20 deg to c.a. Trace styolites @ 50 deg to c.a. subparallel to quartz veins.							17.07	18.59	1.52	1.19	78.3
									18.59	20.12	1.53	1.49	97.4
									20.12	21.64	1.52	1.48	97.4
22.27	40.06	DARK AND LIGHT GREY MOTTLE DOLOSTONE Mottling due to partial recrystalization forming psuedo bx at 26.13 - 26.30 m. Broken rubbly core from 24.82 to 25.04m parallel quartz vns 1 - 3 cm wide, @ 20 deg to c.a.							21.64	23.16	1.52	1.49	98.0
									23.16	24.69	1.53	1.44	94.1
									24.69	26.21	1.52	1.52	100.0
									26.21	27.74	1.53	1.50	98.0
									27.74	29.26	1.52	1.50	98.7
									29.26	30.78	1.52	1.27	83.6

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-8 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		White quartz vein w/ trace fine grain GL & py possible cp	81616 32.46 - 32.91	0.28	0.06	0.11	43		32.46	32.91	0.45	0.28	62.2
		Limonite gouge along lower contact of qz vn	81617 32.91 - 33.06	0.14	0.02	0.12	32		32.91	33.06	0.15	0.10	66.7
									33.06	33.22	0.16	0.16	100.0
									33.22	33.83	0.61	0.61	100.0
									33.83	35.36	1.53	1.36	88.9
									35.36	36.88	1.52	1.52	100.0
									36.88	38.40	1.52	1.52	100.0
									38.40	39.93	1.53	1.53	100.0
40.06	41.36	DARK MED XTALINE DOLOSTONE Minor recrystalization to grey coarse xtaline dolostone. Drusy quartz veins up to 1.5 cm wide @ 45 - 50 deg to c.a. Limonitic styolites @ 20 deg to c.a.							39.93	41.45	1.52	1.50	98.7
									41.45	42.98	1.53	1.33	86.9
41.36	45.58	GREY-DARK-COARSE-MED CRYSTALLINE DOLOSTONE Partially recrystalized and werkly bleached.							42.98	43.57	0.53	0.53	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-8 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cd ppm	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		Grey med xtaline dolostone, weakly bleached w/ limonite fractures @ 40 deg to c.a. Fractures are 1 -3 mm wide	81592 43.57 - 44.7	0.99	0.54	0.14	51		43.57	44.70	1.19	0.97	81.5
	45.58	Mottled grey white recrystalized med xtaline dolostone cut by parallel quartz veins 1mm wide.	81593 44.7 - 45.58	0.13	0.25	0.13	13		44.70	45.58	0.88	0.88	100.0
45.58	45.80	GALENA ZONE											
45.58	52.12	SILICIFIED LIMONITIC DOLOSTONE W/3 % GL & 5% FINE GRAIN PY ALONG FRACTURES	81594 45.58 - 45.80	1.48	2.04	0.60	594		45.58	45.80	0.22	0.22	100.0
45.80	46.63	OXIDE ZONE Limonite replaced dolostone? 1 -3 % GL as diss blebs <= 7mm across, associated w/ qtz. Soft gouge core.	81595 45.80 - 46.63	7.06	9.24	1.22	1306	86	45.80	46.63	0.83	0.69	83.1
46.63	50.06	GALENA ZONE limonitic dolostone fault rubble bx. Bleached w/ 3% GL associated w/ orange brown limonite bands 5 cm wide.	81596 46.63 - 46.91	6.18	9.64	2.60	476	156	46.63	46.91	0.28	0.31	110.7
		Grey black recrystalized dolostone, weakly bleached w/ limonite along fractures. Contains 1% GL & 3% fine grained pyrite along fractures.	81597 46.91 - 47.58	0.68	0.97	1.32	221	93	46.91	47.58	0.67	0.67	100.0
		Grey black recrystalized dolostone w/ minor limonite & Fe carb. Tr gl & tr - 1% pyrite occur along hairline seams - possibly styolites @ 35 deg to c.a.	81598 47.58 - 48.13	0.15	0.35	2.88	22	390	47.58	48.13	0.55	0.55	100.0
		Limonitic dolostone fault rubble bx limonite & Fe carb replaced w/ minor clay	81599 48.13 - 48.74	0.58	0.44	12.30	84	1665	48.13	48.74	0.61	0.45	73.8
		Grey orange clay gouge w/ local dolomite fault rubble bx and quartz patches 3 - 5 mm across. Scorodite along fracture.	81600 48.74 - 50.06	1.86	2.47	3.63	179	263	48.74	50.06	1.32	1.24	93.9
50.06	53.05	OXIDE ZONE Limonite & Fe carb replaced bleached dolostone fault rubble w/ quartz stringers up to 1 cm wide (open space) parallel to c.a. tr - 1%	81601 50.06 - 50.89	3.19	4.93	16.40	117	836	50.06	50.89	0.83	0.81	97.6
		As above w/ 3 - 5 % GL in patches up to 1 cm across	81602 50.89 - 51.03	2.27	4.01	7.97	39	408	50.89	51.03	0.14	0.14	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-8 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag os\ton	Pb %	Zn %	Au ppb	Cd ppm	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		Limonite & Fe carb replaced dolostone fault rubble bx w/ 9% quartz patches (fragments) and trace disseminated gl blebs up to 5 mm across.	81603 51.03 - 51.60	0.77	0.70	7.90	7	384	51.03	51.60	0.57	0.47	82.5
		As above w/ 3 - 5% gl. Patches up to 2cm X 7cm	81604 51.60 - 52.00	2.00	2.86	5.10	<5	220	51.60	52.00	0.40	0.34	85.0
		Quartz vn w/ small druses (1cm across) crystals up to 3mm long	81605 52.00 - 52.12	1.20	2.18	5.50	9	265	52.00	52.12	0.12	0.12	100.0
52.12	53.05	SILICIFIED GREY DOLOSTONE FAULT RUBBLE BX IN QUARTZ MATRIX Trace gl along hairline limonitic fractures	81606 52.12 - 53.05	0.64	0.93	0.74	12	29	52.12	53.03	0.93	0.90	96.8
53.05	54.86	HIGH GRADE QUARTZ VEIN w/ 30% spongy limonite and 10 - 15% coarse galena associated w/ limonite- possible fine tetrahedrite rims on gl.	81607 53.05 - 53.34	13.71	24.89	9.00	44		53.05	53.34	0.29	0.29	100.0
		Silicified Fe carb replaced dolostone fault mosaic to rubble bx in quartz matrix w/ 1% coarse gl acssociated w/ quartz.	81608 53.34 - 53.83	1.01	2.06	7.61	11	312	53.34	53.83	0.49	0.49	100.0
		Quartz vein w/ 1 cm druse. Coated w/ limonite gouge and trace fine gl along margins. Upper contact @ 30 deg to c.a. Lower contact defined by gouge.	81609 53.83 - 54.22	0.35	0.34	8.18	15	475	53.83	54.22	0.39	0.29	74.5
		Limonite replaced silicified dolostone fault rubble bx w/ trace disseminate gl bleb up to 4mm across. END OF MINERALIZED ZONE	81610 54.22 - 54.86	0.71	0.41	11.20	46	685	54.22	54.86	0.64	0.63	98.4
54.86	57.64	GREY BLACK DOLOSTONE FAULT RUBBLE BX IN QUARTZ LIMONITE MATRIX No visible sulfides trace shale clasts.	81611 54.86 - 55.45	0.05	0.03	0.36	36		54.86	55.45	0.59	0.53	89.9
		Bleached dolostone fault rubble bx quartz limonite matrix and trace shaly fragments	81618 55.45 - 55.90	0.01	<0.01	0.08	16		55.45	55.90	0.45	0.45	100.0
		As above w/ limonite gouge	81619 55.90 - 56.10	0.01	<0.01	0.04	18		55.90	56.00	0.20	0.20	100.0
		Limonite dolostone fault rubble bx quartz dolostone and trace shaly fragments in limonite matrix	81620 56.10 - 56.99	0.03	<0.01	0.06	21		56.10	56.99	0.89	0.87	97.8
		Bleached dark dolostone fault rubble bx earthy clay and quartz matrix.	81621 56.99 - 57.64	0.01	<0.01	0.02	8		56.99	57.64	0.65	0.58	89.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-8 PROPERTY KETZA

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
54.64	61.52	SILICIFIED GREY FINE XTALINE DOLOSTONE CRACKLE BX Quartz veins @ 50 deg to c.a. Grey dolostone fragments are silicified	81622 57.64 - 58.94	<0.01	<0.01	0.01	8		57.64	58.94	1.30	1.30	100.0
		From 58.70 - 58.72 and 58.77 - 58.84 m White quartz veins @ 45 deg to c.a.	81623 58.94 - 59.08	<0.01	<0.01	<0.01	5		58.94	59.08	0.14	0.14	100.0
		Grey partly silicified fine xtaline dolostone crackle bx.	81624 59.08 - 60.60	0.01	<0.01	0.02	<5		59.08	60.66	1.58	1.58	100.0
									60.66	62.18	1.52	1.43	94.1
61.52	65.23	DARK FINE XTALINE DOLOSTONE 1 - 2 cm wide pseudo bx vn of coarse recrystalized dolostone parallel to core axis. EOH							62.18	63.70	1.52	1.29	84.9
									63.70	64.62	0.92	0.61	66.3
									64.62	65.23	0.61	0.50	82.0
		TOTAL FOR HOLE											86.1
		MINERALIZED ZONE 45.58 - 54.86											92.8

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-9

AREA	NO.3 ZONE	SECTION	0+90N	DATE Started	06-07-88 (N)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-09-88 (D)
GRID CO-ORDS Line		INCLINATION	-45 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	41.76m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35681.02	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15498.14	DEPTH Overburden	4.36	CORE RECOVERY	89.9%
ELEVATION	1940.97m	VERT. COMP.	28.73m	CORE STORED AT	YMC CAMP CORE RACKS
STICK UP		HORIZ. COMP.	30.28m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-45	070	BRUNT				
41.76	-42	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	4.36	OVERBURDEN				
4.36	19.19	DOLOSTONE				
19.19	26.70	DOLOSTONE BRECCIA				
26.70	30.24	OZ/GZ	3.54	3.54	4.55	28.47
30.24	34.14	DOLOSTONE BRICCIA				
34.14	41.76	DOLOMITE MUDSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.09	3.15	3.76	0.009	89.5%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-9 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	4.36	Overburden											
4.36	9.75	DARK MED COARSE CRYSTALINE DOLOSTONE							4.23	4.93	0.70	0.52	74.3
		Broken core to 8.50 metres w\white qz vns up to 1.5 cm wide @60 deg to c.a. minor Fe carb rusty shaley laminations in band 2cm wide. Laminations at 20 deg to c.a.	81646 4.93-5.24	0.17	0.08	0.21	34		4.93	5.24	0.31	0.28	90.3
		Recrystalized grey dolostone from 6.20-6.39 metres							5.24	6.10	0.86	0.24	27.9
									6.10	6.71	0.61	0.52	85.2
									6.71	7.32	0.61	0.58	95.1
									7.32	7.99	0.66	0.39	59.1
		YELLOW CLAY LIMONITE FAULT RUBBLE BX & GOUGE	81647 7.99-8.28	0.04	0.04	0.03	13		7.99	8.28	0.29	0.14	48.3
		GRADATIONAL LOWER CONTACT							8.28	9.75	1.47	1.07	68.7
9.75	19.19	GREY & BUFF RECRYSTALIZED BLEACHED DOLOSTONE							9.75	10.06	0.31	0.23	74.2
		Mottled w\orange red Fe-carb 3mm wide white qz vns @55 deg to c.a. Styolites w\limonite partings @10 deg to c.a. 65 deg to vns increase in fracture density from 17.50-19.19							10.06	11.58	1.52	1.30	85.5
									11.58	12.80	1.22	1.19	97.5
									12.80	14.33	1.53	1.34	87.6

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-9 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
									14.33	15.85	1.52	1.33	87.5
									15.85	17.37	1.52	1.49	98.0
									17.37	18.90	1.53	1.45	94.8
19.19	23.77								18.90	20.42	1.52	1.50	98.7
		BLEACHED COARSE RECRYSTALIZED DOLOSTONE CRACKLE TO MOSAIC BX Limonite matrix along fractures &/ Fe- carbonate replacement. Brecciation increases down hole. Styolites @ 10 deg to c.a. & subparallel fractures @ 50 deg & 40 deg to c.a. 60 deg and 50 deg to styolites. Fractures also @ 30 deg to c.a. Subparallel to styolites. 20.42 - 21.00 open spaces along fractures up to 2mm wide.							20.42	21.95	1.53	1.15	75.2
									21.95	22.25	0.30	0.10	33.3
		GREY COARSE RECRYSTALIZED BLEACHED DOLOSTONE FAULT MOSAIC BX Limonite and Fe carb matrix	81625 22.25 - 23.00	0.01	0.02	0.04	11		22.25	23.00	0.75	0.69	92.0
		GREY BLACK COARSE RECRYSTALIZED DOLOSTONE MOSAIC BX Limonite and qz matrix	81626 23.00 - 23.77	0.12	0.08	1.89	53		22.25	23.77	0.77	0.65	84.4
23.77	28.04	OXIDE ZONE											
		LIMONITE FAULT ZONE Orange grey limonite and claygouge and trace broken qz vns. Trace GL in patches up to 1 cm across.	81627 23.77 - 24.81	1.09	1.30	0.52	337		23.77	24.81	1.04	0.83	79.8
		GREY BLACK DOLOSTONE FAULT RUBBLE BX W/ LIMONITE QZ MATRIX No visible sx. Quartz vn 3cm wide @ 63 deg to c.a. at lower contact	81628 24.81 - 25.37	0.28	0.30	0.75	230		24.81	25.37	0.56	0.56	100.0
		GREY DOLOSTONE FAULT RUBBLE BX Qz patches - broken vn and 50 - 60 % limonite matrix. Tr GL diss blebs up to 5 mm across	81629 25.37 - 26.03	0.89	1.86	1.18	181		25.37	26.03	0.66	0.65	98.5
		BLEACHED RECRYSTALIZED DOLOSTONE FAULT RUBBLE TO MOSAIC BRECCIA w/ 20% Limonite occuring along fractures up to 3mm wide. No vis SX	81630 26.03 - 26.70	0.22	0.34	1.60	32		26.03	26.70	0.67	0.60	89.6

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-9 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		Limonite replaced zone w/ 3% broken qz vn. Quartz occurs as patches. Trace- 1% GL occurs as diss blebs up to 1 cm across	81631 26.70 - 27.75	4.08	6.17	3.02	613		26.70	27.75	1.05	0.95	90.5
		BLEACHED FERUGENUS DOLOSTONE FAULT 30 - 40% Limonite. No visible sx	81632 27.75 - 28.04	4.01	1.47	14.20	437		27.75	28.04	0.29	0.21	72.4
28.04	30.79	GALENA ZONE As above w/ 3% GL diss in patches up to 2 cm across	81633 28.04 - 28.18	1.74	3.04	8.70	74		28.04	28.18	0.14	0.14	100.0
28.18	29.57	BLACK-GREY MED CRYSTALINE DOLOSTONE FAULT RUBBLE BX Earthy clay and qz matrix w/ minor Limonite and Fe - carb. Unaltered fragments. Trace to 1% SL as patches up to 2cm across.	81634 28.18 - 28.68	0.25	0.22	1.16	48		28.18	28.68	0.50	0.48	96.0
		HIGH GRADE As above w/ 1% GL diss in matrix in patches up to 2cm across. Possible SL	81635 28.68 - 29.57	0.82	2.51	2.00	22		28.68	29.57	0.89	0.75	84.3
29.57	30.79	SHEAR ZONE SHEARED DOLOSTONE FAULT RUBBLE BX Shearing imparts foliation @ 50 deg to c.a. Orange green limonite and clay replacements. Limonite patches elongated along foliation. Patches 1cm x 2cm. Trace to 1% GL in diss blebs and streaks along foliation.	81636 29.57 - 30.24	1.29	2.19	3.65	286		29.57	30.24	0.67	0.64	95.5
		AS ABOVE BUT SOFT GOUGE END OF MINERALIZED ZONE	81637 30.24 - 30.79	0.06	0.06	0.34	32		30.24	30.79	0.55	0.55	100.0
		DARK MED XTALINE DOLOSTONE FAULT MOSAIC BX Weak to unaltered fragments in a qz and minor carbonate matrix. 1 - 2 cm wide stycolite BX zones.	81638 30.79 - 31.09	0.42	0.06	0.26	296		30.79	31.09	0.30	0.25	83.3
		AS ABOVE Bleached and very broken core	81639 31.09 - 32.61	0.05	0.04	0.23	32		31.09	32.61	1.52	1.44	94.7
		AS ABOVE	81640 32.61 - 33.22	0.12	0.11	0.32	38		32.61	33.22	0.61	0.61	100.0
33.22	34.14	SHEAR LIMONITIC DOLOSTONE FAULT RUBBLE BX Limonitic to grey med crystaline dolostone in limonite and qz matrix. Shearing gives foliation @ 60 deg to c.a. Trace GL in blebs disseminated in matrix.	81641 33.22 - 34.14	0.19	0.19	0.80	79		33.22	34.14	0.92	0.92	100.0
34.14	37.19	GREY FINE CRYSTALINE DOLOMITIC MUDSTONE Cut by qz limonite vns up to 5mm wide w\trace GL	81642 34.14 - 34.56	0.09	0.07	0.46	62		34.14	34.56	0.42	0.38	90.5

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-9 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		AS ABOVE W/ NO VISIBLE SX	81643 34.56 - 35.66	0.14	0.22	0.42	19		34.56	35.66	1.10	1.02	92.7
		AS ABOVE W/ NO VISIBLE SX	81644 35.66 - 36.43	0.03	0.03	0.72	20		35.66	36.43	0.77	0.74	96.1
		AS ABOVE /TR DISS GL BLEBS END OF MINERALIZED ZONE	81645 36.43 - 37.19	0.24	0.32	2.86	21		36.43	37.19	0.76	0.72	94.7
37.19	41.76	GREY GREEN DOLOMITIC MUDSONE Minor dolomitic patches elongated along foliation. Limonite coated fractures up to 2 mm wide. Chlorite? along partings. Foliation @ 30 deg to c.a.							37.19	37.80	0.61	0.50	82.8
									37.80	39.01	1.21	0.85	70.2
		40.66 - 41.14 qz vns up to 1cm wide w/ minor limonite vns @ 60 deg to c.a.							39.01	40.23	1.22	1.22	100.0
		END OF HOLE							40.23	41.76	1.53	1.57	98.7
		TOTAL FOR HOLE											89.9
		FOR MINERALIZED ZONE 23.77 - 30.79											90.6
		33.22 - 37.19											95.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-10

AREA	NO.3 ZONE	SECTION	0+90N	DATE Started	06-09-88 (D)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-10-88 (N)
GRID CO-ORDS Line		INCLINATION	-85 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	46.33m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35680.41	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15496.56	DEPTH Overburden	2.43m	CORE RECOVERY	81.5%
ELEVATION	140.82m	VERT. COMP.	46.13m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	4.24m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-85	070	BRUNT				
46.33	-84.5	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	2.43	OVERBURDEN				
2.43	10.67	DAMPHI				
10.67	29.26	DOLOSTONE				
29.26	33.01	OE/GZ	3.75	3.41	6.82	31.14
33.01	46.33	DOLOSTONE Bx				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.46	2.05	1.28	0.008	76.3%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-10 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	2.43	OVERBURDEN											
2.43	9.86	MOTTLED BLEACHED RECRYSTALIZED DOLOSTONE +OR- FOSSILIFEROUS Light and dark grey w/ minor orange red Fe - carb highly broken core, coarse recrystalized. Trace styolites @ 70 deg to c.a.							2.43	3.35	0.92	0.70	76.1
									3.35	4.51	1.16	1.02	87.9
		6.00 - 6.10 gravel							4.51	6.10	1.59	0.56	35.2
									6.10	7.62	1.52	0.86	56.6
									7.62	9.14	1.52	1.04	68.4
9.86	10.40	DARK COARSE-MED CRYSTALINE AMPHIPORA DOLOSTONE Floatstone w/ 10% amphipora up to 5 mm across							9.14	10.67	1.53	1.38	90.2
10.40	10.67	MOTTLED BLEACHED RECRYSTALIZED DOLOSTONE +OR-FOSSILIFEROUS AS ABOVE											
10.67	11.38	WHITE DULL QUARTZ VN Contacts @ 10 deg to c.a. 11.28 - 11.38 quartz gravel	81675 10.67 - 11.38	<0.01	<0.01	0.01	<5		10.67	11.38	0.71	0.32	45.1
11.38	13.21	LIGHT GREY SANDSTONE Quartz cement with 1 % v fine diss pyrite											
		WEAK FOLIATION @ 75 DEG TO C.A. Pitted w/ oxidized pyrites up to 2mm across	81676 11.38 - 11.68	0.02	<0.01	0.07	12		11.38	11.68	0.30	0.30	100.0
		GREY W/ OXIDIZED BAND FROM 12.50 - 12.60 Limonite fracture perpendicular to c.a. 5 mm wide	81677 11.68 - 12.95	0.23	0.27	0.02	7		11.68	12.95	1.27	0.89	70.1
		OXIDIZED ZONE W/20% ORANGE-BROWN-RED LIMONITE ALONG HAIRLINE FRAC. Perpendicular to fol & frac. 5mm wode @10 deg tp ca 65 deg to fol also. In 4cm band along conformable low cont.	81678 12.95 - 13.21	0.05	0.01	0.10	15		12.95	13.21	0.26	0.26	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-10 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
13.21	15.08	MOTTLED LIGHT AND DARK RECRYSTALIZED DOLOSTONE Partially bleached minor Fe carb. Limonite occurs along styolite partings. Styolites @ 45 deg and 12 deg with 33 deg between styolites.							13.21	14.33	1.12	0.90	80.4
									14.33	15.08	0.75	0.75	100.0
15.08	17.60	FAULT ZONE - DOLOSTONE AS ABOVE											
		RUBBLE BX WITH SOLUTION CAVITIES WITH LIMONITE AND SERICITE	81679 15.08 - 15.40	0.12	0.03	0.12	19		15.08	15.40	0.32	0.30	93.8
		HIGHLY BROKEN CORE WITH LIMONITE COATED FRACTURES. Contact with rubble BX below @ 30 deg to c.a.	81680 15.40 - 16.05	0.03	0.01	0.04	11		15.40	16.05	0.65	0.62	94.5
		RUBBLE BX WITH DOLOSTONE AND MINOR QZ FRAGMENTS FLOATING FREELY IN EARTHY ORANGE LIMONITE GOUGE MATRIX (60 % - 70 %)	81681 16.05 - 17.09	0.03	0.03	0.10	8		16.05	17.09	1.04	1.02	98.1
		FAULT RUBBLE BRECCIA WITH QUARTZ VEIN, BROKEN CORE	81682 17.09 - 17.37	0.01	0.01	0.05	<5		17.09	17.37	0.28	0.20	71.4
		GOUGE FAULT RUBBLE BX	81683 17.37 - 17.6	0.02	0.03	0.12	15		17.37	17.60	0.23	0.21	91.3
17.60	24.88	GREY BROWN RECRYSTALIZED DOLOSTONE Highly fractured and broken core with limonite and wad along fractures. Brecciated by fractures preferential fracture directions @ 30 deg and 50 deg to ca. 70 deg between fractures.							17.60	18.90	1.30	1.03	79.2
									18.90	21.64	2.74	2.55	93.1
									21.64	21.95	0.31	0.21	67.7
		WHITE DULL QUARTZ VEINS 1 - 4 CM WIDE @ 30 DEG, 90 DEG, AND 60 DEG TO CORE AXIS	81648 21.95 - 22.33	0.05	0.02	0.03	9		21.95	22.23	0.38	0.36	94.7

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-10 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		GREY BLEACHED RECRYSTALIZED DOLOSTONE CRACKLE BX Highly fractured with limonite and wad partings. Fractures @ 20 deg to c.a. and 50 deg to c.a. (70 deg between fractures)	81649 22.33 - 23.5	0.04	0.03	0.12	13		22.33	23.50	1.17	0.89	76.1
		WHITE BULL QUARTZ VN @ 60 DEG TO C.A.	81650 23.50 - 23.61	0.03	0.01	0.03	<5		23.50	23.61	0.11	0.08	72.7
		GREY BLEACHED RECRYSTALIZED DOLOSTONE AS ABOVE	81651 23.61 - 24.88	0.03	0.03	0.10	20		23.61	24.88	1.27	0.94	74.0
24.88	25.54	LIGHT GREY CLAY FE-CARB ALTERED DOLOSTONE/MUDSTONE? FAULT MOSAIC BX Fragments up to 5 cm across in a earthy clay rubble matrix. Similiar to furruginous dolostone in ddh-6?	81652 24.88 - 25.54	0.03	0.01	0.04	13		24.88	25.54	0.66	0.62	93.9
25.54	27.58	GREY BLACK PARTIALLY RECRYSTALIZED DOLOSTONE Contains minor Fe - carb. Limonite occurs along hairline fractures. Quartz vns up to 5mm wide occur @ 30 deg and 50 deg to c.a. (20 deg between veins)							25.54	26.52	0.98	0.87	88.8
		25.89 - 26.52 highly fractured							26.52	27.19	0.06	0.67	100.0
		AS ABOVE WITH 30 % ORANGE LIMONITE IN BANDS AT 27.22 - 27.35 & 27.53 - 27.56 m	81653 27.19 - 27.58	0.07	0.06	0.13	46		27.19	27.58	0.39	0.39	100.0
27.58	28.48	GREY- TAN BLEACHED? MUDSTONE Contains 20 - 30% orange limonite and minor quartz vn @ 20 deg to c.a. and 1 - 3% finely disseminated pyrite	81654 27.58 - 28.48	0.14	0.10	0.33	58		27.58	28.48	0.90	0.90	100.0
28.48	29.87	GALENA ZONE											
		GREY BLACK DOLOSTONE FAULT RUBBLE BX Highly fractured with 20 % limonite in patches along fractures. Trace GL in blebs up to 1 cm across associated with limonite.	81655 28.48 - 29.26	0.44	0.53	1.34	63		28.48	29.26	0.78	0.76	97.4
		RUBBLY CORE WITH GOUGE. 50% ORANGE-RED LIMONITE. NO VISIBLE SX	81656 29.26 - 29.87	1.64	2.05	2.33	410		29.26	29.87	0.61	0.39	63.9
29.87	33.01	OXIDE ZONE Fault rubble BX with trace GL associated with orange red limonite gouge. 30 % limonite	81657 29.87 - 30.33	1.26	1.38	1.60	416		29.87	30.33	0.46	0.46	100.0
		AS ABOVE WITH NO VISIBLE SX AND GREY CLAY AND LIMONITE GOUGE	81658 30.33 - 31.45	1.38	1.93	1.09	21		30.33	31.45	1.12	0.63	56.3

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-10 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		GREY BLACK DOLOSTONE, HIGHLY BROKEN CORE WITH TRACE GL ALONG FRACTURES IN SPOTS UP TO 1 CM ACROSS	81659 31.45 - 31.96	0.36	0.11	0.11	303		31.45	31.96	0.51	0.48	94.1
		LIMONITIC GOUGE - NO VISIBLE SX	81660 31.96 - 32.08	0.12	0.08	0.68	29		31.96	32.08	0.12	0.12	100.0
		GREASY GREY CLAY GOUGE - NO VISIBLE SX	81661 32.08 - 32.61	0.42	0.34	1.10	137		32.08	32.61	0.53	0.40	75.5
32.61	33.01	**HIGH GRADE DARK MED XTALINE AMPHIDORA DOLOSTONE. Limonite replacement along fracture perp to c.a. (1.5 cm wide) and along fracture @ 30 deg to c.a. 5cm wide. 3%Gl assoc with red limonite replacement in patches to 2 cm across.	81662 32.61 - 33.01	4.84	8.52	1.78	623		32.61	33.01	0.40	0.38	95.0
33.01	34.56	DARK MED XTALINE DOLOSTONE FAULT RUBBLE BX. EARTHY CLAY MATRIX WITH TRACE DISS GL BLEBS 5MM ACROSS. Rubbly core at 33.31 - 33.43 and 33.62 - 33.71	81663 33.01 - 34.56	0.14	0.23	0.19	12		33.01	34.56	1.55	1.12	72.3
		END OF MINERALIZED ZONE											
34.56	34.84	DOLOSTONE AND DOLOMITIC MUDSTONE FAULT RUBBLE BX. Limonite and earthy clay matrix. Quartz vein @ 50 deg to c.a.	81664 34.56 - 34.84	0.05	0.04	0.09	22		34.56	34.84	0.28	0.28	100.0
									34.84	35.36	0.52	0.32	61.5
34.84	40.45	GREY DOLOMITIC MUDSTONE MOSAIC - CRACKLE BX							35.36	35.51	0.15	0.15	100.0
		AS ABOVE - BLEACHED WITH CLAY AND LIMONITE IN THE MATRIX	81665 35.57 - 36.03	0.05	0.06	0.04	15		35.51	36.03	0.52	0.52	100.0
		AS ABOVE - UNALTERED							36.03	36.20	0.17	0.17	100.0
		AS ABOVE WITH SOFT GREY BROWN CLAY AND ORANGE LIMONITE	81666 36.20 - 37.49	0.07	0.10	0.02	65		36.20	37.49	1.29	0.80	62.0
		AS ABOVE WITH 2% DISS OXIDIZED PYRITES UP TO 3MM ACROSS	81667 37.49 - 37.94	0.05	0.03	0.04	77		37.49	37.94	0.45	0.43	95.6

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-10 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		BROKEN RUBBLE CORE							37.94	38.40	0.46	0.40	87.0
									38.40	38.71	0.31	0.24	77.4
		TWO PARALLEL WHITE QUARTZ VEINS @ 50 DEG TO C.A. Veins are 4 cm wide	81668 38.71 - 38.94	0.02	0.01	0.01	<5		38.71	38.94	0.23	0.23	100.0
		LIGHT GREY DOLOMITIC MUDSTONE. BROKEN CORE WITH MINOR LIMONITE ALONG FRACTURES	81669 38.94 - 40.10	0.03	0.02	0.03	14		38.94	40.10	1.16	0.95	81.9
		AS ABOVE WITH 30 - 40% ORANGE LIMONITE REPLACEMENT	81670 40.10 - 40.45	0.09	0.04	0.03	47		40.10	40.45	0.35	0.34	97.1
40.45	41.07	ORANGE BROWN RED LIMONITE AND MINOR HEMATITE TOTAL REPLACEMENT	81671 40.45 - 41.07	0.16	0.06	0.04	149		40.45	41.07	0.62	0.62	100.0
41.07	42.65	DOLOMITIC MUDSTONE LIGHT GREY RUBBLE BX TO MOSAIC BX ORANGE CLAY LIMONITE REPLACEMENT	81672 41.07 - 41.76	0.03	0.02	0.06	16		41.07	41.76	0.69	0.59	85.5
		MINERALIZED 30% LIMONITE AND CLAY MATRIX RUBBLE BX 15 - 20% LIMONITE AND CLAY MOSAIC BX	81673 41.76 - 42.65	<0.01	<0.00	0.03	<5		41.76	42.65	0.89	0.75	84.3
42.65	46.33	LIGHT GREY DOLOMITIC MUDSTONE CRACKLE BX MINOR LIMONITE PARTINGS PREFERENTIAL FRACTURE DIRECTION @ 35 DEG TO C.A.	81674 42.65 - 43.28	<0.01	<0.01	0.02	<5		42.65	43.28	0.63	0.61	96.8
		END OF HOLE							43.28	44.80	1.52	1.41	92.8
									44.80	46.33	1.53	1.39	90.8
		TOTAL FOR HOLE											81.5
		FOR MINERALIZED ZONE 28.48 - 34.56											78.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY: KETZA PROJECT | D.D.H.: YM88-11 |

AREA	NO.3 ZONE	SECTION	0+30N	DATE Started	06-10-88 (N)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-12-88 (D)
GRID CO-ORDS Line		INCLINATION	-45 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	59.13	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35622.31	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15511.72	DEPTH Overburden	5.18	CORE RECOVERY	87.0%
ELEVATION	1952.64	VERT. COMP.	41.81m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	41.81m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-45	070	BRUNT				
55.47	-45	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	5.18	OVERBURDEN				
5.18	35.00	DAMPHI				
35.00	46.33	DOLOSTONE				
46.33	50.20	OZ	3.87	3.86	5.03	48.27
50.20	59.13	(+)(-)Bx dMUDSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.51	0.35	0.68	0.003	91.5%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-11 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	5.18	OVERBURDEN											
5.18	6.71	DARK GREY BLACK DOLOMITIC MUDSTONE Grey black fine grained with weak foliation at 35 deg to c.a. Similiar to mud underlying the zone in previous holes.							5.18	6.40	1.22	1.00	82.8
									6.40	6.71	0.31	0.24	77.4
6.71	7.27	GREY MED COARSE CRYSTALINE DOLOSTONE + OR- FOSSILIFEROUS Partially recrystalized yeilding coarser grain size and pseudo bx texture							6.71	8.23	1.52	1.34	88.2
7.27	8.70	LIGHT GREY COARSE RECRYSTALIZED DOLOSTONE FOSSILIFEROUS. Coarse recrystalized dolostone with fragments of med crystaline black dolstone - pseudo bx. Recrystalization of stachyodes 30% floatstone. Minor qz vns 1cm wide @65 deg to ca.							8.23	9.45	1.22	0.77	63.1
8.70	13.61	GREY MED-COARSE STROMATOPOROID DOLOSTONE 20 - 30% BULBOUS STROMS- FLOATSONE - PARTIALLY RECRYSTALIZED. tRACE AMPHIPORA UP TO 7 MM ACROSS. Minor open space quartz vns up to 2 cm wide with crystals 30 x 5 mm at 40 deg to c.a. Trace styolites occur at 10 deg to c.a. 50 deg to vns, and 75 deg to c.a., 30 deg to vns							9.45	10.97	1.52	1.41	92.8
									10.97	12.50	1.53	1.48	96.7
									12.50	14.17	1.67	1.44	86.2
13.61	14.67	RECRYSTALIZED GREY DOLOSTONE PSEUDO BX + OR - FOSSILIFEROUS Coarse recrystalized light grey dolostone with fragments of med grain dark dolostone and 5 % orange red Fe - carb. occuring as stringers up to 5mm wide randomly oriented							14.17	14.67	0.53	0.53	100.0
14.67	14.89	QUARTZ VEIN BX Upper contact at 50 deg to c.a. - grey recrystalized dolostone fragments floating in white quartz. Trace fine grained pyrite in blebs up to 5mm across along fragment rims.	81684 14.67 - 14.89	0.04	0.01	0.03	18		14.67	14.89	0.22	0.22	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-11 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
14.89	19.97	MOTTLED COARSE RECRYSTALIZED BLEACHED DOLOSTONE WITH 5 - 10% FE CARB IN RANDOMLY ORIENTED STRINGERS UP TO 5MM WIDE. Styolite with limonitic partings at 60 deg to c.a.							14.89	15.70	0.81	0.73	90.1
									15.70	16.92	1.22	1.22	100.0
		BROKEN CORE WITH 20% LIMONITE	81685 16.92 - 17.13	0.13	0.02	0.08	104		16.92	17.13	0.21	0.21	100
		17.22 - 18.75 Highly fractured with brown limonite and wad along fractures forming mosaic - crackle bx							17.13	17.22	0.09	0.09	100
			81686 17.13 - 17.70	0.04	0.01	0.04	27		17.22	17.70	0.57	0.56	108.8
		40 % LIMONITE BROKEN CORE	81687 17.70 - 18.01	0.24	0.05	0.18	146		17.70	18.01	0.31	0.29	93.5
		MINERALIZED ZONE Bleached dolostone with trace GL along fractures at 70 deg to c.a.	81688 18.01 - 18.50	0.21	0.21	0.04	37		18.01	18.50	0.49	0.30	61.2
		FRACTURED BLEACHED RECRYSTALIZED DOLOSTONE	81689 18.50 - 18.75	0.13	0.29	0.03	14		18.50	18.75	0.25	0.25	100.0
									18.75	20.27	1.52	1.36	89.5
19.97	22.75	MED CRYSTALINE GREY DOLOSTONE + OR - FOSSILIFEROUS. Contains black undulating lamination up to 3mm wide (4 per foot) at 25 deg to c.a. Minor quartz veins up to 2 cm wide with open spaces at 40 deg to c.a. (65 deg to laminations)							20.27	21.64	1.37	1.37	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-11 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		22.35 - 22.75 Possible amphipora? packstone up to 7mm across.							21.64	23.32	1.68	1.41	83.9
22.75	24.60	GREY BLEACHED COARSE RECRYSTALIZED DOLOSTONE. 3% Fe carb as stringers and limonite along styolites at 20 deg to c.a.							23.32	24.99	1.67	1.28	76.6
24.60	24.99	MED CRYSTALINE GREY DOLOSTONE + OR - FOSSILIFEROUS AS 19.97 - 22.75											
24.99	27.34	GREY BLEACHED COARSE RECRYSTALIZED DOLOSTONE Contains 3 - 5 % Fe-carb in randomly oriented stringers. Minor limonite occurs along styolite partings. Styolites at 10 - 20 deg to c.a.							24.99	26.52	1.53	1.35	88.2
27.34	29.57	MOTTLED LIGHT AND MED GREY DOLOSTONE Partially recrystalized coarse and medium crystaline							26.52	28.04	1.52	1.51	99.3
		28.26 - 28.32 5 % quarts veins 3 - 5 mm wide with trace open spaces. Veins at 60 deg to c.a. 28.92 - 29.57 Broken Core							28.08	29.57	1.49	1.34	89.9
29.57	34.13	LIGHT GREY COARSE RECRYSTALIZED BLEACHED DOLOSTONE Contains 3 - 5 % Fe - carbonate as stringers up to 5mm wide and minor limonite along fractures							29.57	31.09	1.52	1.47	96.7
									31.09	32.62	1.53	1.25	81.7
									32.62	33.07	0.45	0.41	91.1
		DEAD SAMPLE	81690 33.07 - 33.57	0.20	0.25	0.04	11		33.07	33.57	0.50	0.50	100.0
		RED ORANGE LIMONITE GOUGE CONTACTS AT 40 DEG TO C.A.	81691 33.57 - 33.69	0.16	0.08	0.37	1390		33.57	33.69	0.12	0.10	83.3
		DEAD SAMPLE	81692 33.69 - 34.13	0.06	0.07	0.04	57		33.69	34.13	0.44	0.41	93.2
34.13	35.00	GREY AMPHIPORA DOLOSTONE 70 % amphipora packstone foliated at 50 deg to c.a. amphipora up to 5 mm across.							34.13	35.36	1.26	1.10	87.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-11 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
35.00	37.18	MOTTLED LIGHT AND MED GREY DOLOSTONE As between 27.34 - 29.57 DEAD SAMPLE	81693 35.36 - 36.21	0.13	0.17	0.06	47		35.36	36.21	0.85	0.80	94.1
		LIMONITE GOUGE	81694 36.21 - 36.26	1.83	2.35	0.30	515		36.21	36.26	0.05	0.05	100.0
		DEAD SAMPLE	81695 36.26 - 36.58	0.06	0.08	0.04	61		36.26	36.58	0.32	0.32	100.0
37.18	46.12	LIGHT GREY BLEACHED COARSE RECRYSTALIZED DOLOSTONE. Contains 3% orang-red Fe carb as randomly oriented stringers up to 5mm wide. Minor quartz veins at 50 deg to ca							36.58	37.80	1.22	1.09	89.3
		38.63 - 39.13 THIN BLACK LAMINATION AT 40 DEG TO C.A. AS BETWEEN 19.97 TO 22.75							37.80	39.32	1.52	1.42	93.4
									39.32	40.23	0.91	0.91	100.0
		40.95 - 42.94 BROKEN CORE WITH LIMONITE ON FRACTURES							40.23	41.76	1.53	1.34	87.6
		43.46 - 44.81 BROKEN CORE							41.76	43.28	1.52	1.36	89.5
									43.28	44.81	1.53	1.34	87.6
									44.61	46.12	1.51	1.27	84.1
46.12	47.08	DOLOSTONE FAULT BX LIMONITE CALCARIOUS MATRIX											
		LIMONITIC FAULT MOSAIC BX	81696 46.12 - 46.33	0.15	0.09	0.30	87		46.12	46.33	0.21	0.21	100.0
47.00	49.30	LIMONITIC FAULT RUBBLE BX - 70% LIMONITE - OXIDE ZONE	81697 46.33 - 47.00	0.47	0.51	0.37	254		46.33	47.00	0.67	0.67	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-11 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		GREY DOLOSTONE + OR - FOSSILIFEROUS RECRYSTALIZED FRAGMENTS UP TO 10 CM ACROSS FLOATING INA LIMONITE MATRIX - MOSAIC BX.50 % ORANGE EARTHY LIMONITE MATRIX- TRACE GL IN MATRIX.	81698 47.00 - 47.85	0.19	0.13	0.05	18		47.00	47.85	0.85	0.78	91.8
		AS ABOVE - TRENDS TO RUBBLE BX DOWN HOLE. TRACE GL IN MATRIX	81699 47.85 - 49.20	0.59	0.27	0.41	40		47.85	49.20	1.35	1.17	86.7
		BRIGHT ORANGE RED LIMONITE REPLACEMENT ZONE Spongy upper contact at 55 deg to c.a. Trace 1 % diss GL	81700 49.20 - 49.38	1.35	1.35	1.18	345		49.20	49.38	0.18	0.18	100.0
49.38	50.20	End of limonite zone. DOLOSTONE FAULT RUBBLE BX AS BETWEEN 47.85 TO 49.20	81701 49.38 - 50.20	0.57	0.36	1.91	52		49.38	50.20	0.82	0.74	90.2
50.20	51.28	DOLOSTONE FAULT MOSAIC BX TO CRACKLE BX POST BX QZ LIMONITE VNS UP TO 5 MM WIDE AT 50 TO 55DEG TO C.A.	81702 50.20 - 51.28	0.06	0.04	0.47	21		50.20	51.28	1.08	0.98	90.7
51.28	52.47	BLACK LAMINATED FINELY SHALE Carbonaceous band 5 cm wide defines upper contact fault bx to 51.44. Laminated at 60 deg to c.a.											
		CONTAINS 15 TO 20% LIMONITE AND HEMATITE	81703 52.00 - 52.47	0.08	0.01	0.06	43		52.00	52.47	0.47	0.38	80.9
52.47	53.45	ORANGE RED LIMONITE AND GREEN CLAY REPLACEMENT GOUGE ZONE. Weak remnant foliation at 60 deg to c.a.	81704 52.47 - 53.45	0.42	0.03	0.07	167		53.47	53.45	0.98	0.90	91.8
53.45	57.49	LIGHT GREY DOLOMITIC MUDSTONE RUBBLE TO MOSAIC BX Grey tan earthy qz - carb? matrix (30-50%) with angular lithic fragments from 1cm - 10 cm across	81705 53.45 - 54.77	0.01	<0.01	0.02	11		53.45	54.77	1.32	1.30	98.5
		57.00 - 57.45 GREY CLAY GOUGE MATRIX							54.77	55.47	0.70	0.53	75.7
									55.47	57.00	1.53	1.40	91.5
57.49	59.13	LIGHT GREY FINE GRAIN DOLOMITIC MUDSTONE CRACKLE BX WITH QUARTZ-CARB FRACTURE FILLING.							57.00	58.37	1.37	1.01	73.0
		END OF HOLE TOTAL FOR HOLE 87.0 % RECOVERY MINERALIZED ZONE 47.00 - 49.38 = 2.38 M 89.5% RECOV							58.37	59.13	0.76	0.54	71.1

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-12

AREA	NO.3 ZONE	SECTION	0+30N	DATE Started	06-12-88 (D)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-13-88 (N)
GRID CO-ORDS Line		INCLINATION	-85 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	78.33m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35621.69	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15510.21	DEPTH Overburden	2.44m	CORE RECOVERY	90.1%
ELEVATION	1952.71m	VERT. COMP.	78.04m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	6.83m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-85	070	BRUNT				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	2.44	OVERBURDEN				
2.44	39.73	DAMPHI				
39.73	68.12	DOLOSTONE				
68.12	72.42	GZ/OZ	4.30	3.04	3.97	70.27
72.42	78.33	d MUDSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.56	1.57	2.51	0.005	90.7%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-12 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	2.44	OVERBURDEN							2.44	3.96	1.52	1.47	96.7
2.44	2.89	DARK MED CRYSTALINE DOLOSTONE BROKEN CORE											
2.89	3.03	GREY RECRYSTALIZED DOLOSTONE RUBBLE BX Fragments of dark med xtaline dolostone											
3.03	6.25	GREY RECRYSTALIZED DOLOSTONE + OR - FOSSILIFEROUS Contains psuedo breccia band from 3.84 to 4.36 trace styolites at 80 deg to c.a.							3.96	5.49	1.53	1.41	92.2
									5.49	6.71	1.22	1.43	117.2
6.25	6.71	GREY STROMATOPOROID DOLOSTONE Contains light grey coarse grained bulbous stroms up to 7 cm across - floatstone grey med crystalline dolostone matrix - (40%)											
6.71	11.34	GREY COARSE CRYSTALINE DOLOSTONE + OR - FOSSILIFEROUS Contains thin (1-2 mm) black undulating laminations at 50 deg to c.a. Possible amphipora up to 5mm across locally recrystalized and bleached							6.71	7.92	1.22	0.99	81.1
									7.92	9.45	1.53	1.48	96.7
11.34	12.62	BLEACHED WHITE-GREY COARSE RECRYSTALIZED DOLOSTONE WITH 5% FE CARB AS STRINGERS UP TO 1 CM WIDE.							9.45	12.50	3.05	2.91	95.4
12.62	17.91	LIGHT GREY COARSE DOLOSTONE + OR - FOSSILIFEROUS. Locally variably bleached and recrystalized. Possibly fossiliferous 13.52 - 14.02 (2) qz veins 1 cm wide at 20 deg to c.a. Styolites at 60 deg to							12.50	14.02	1.52	1.34	88.2
		c.a., 80 deg to vns 14.20 drusy qz-carb vn 1 cm wide at 30 deg to c.a. 15.14 - 15.25 gravel wash							14.02	15.54	1.52	1.16	76.3
		16.67 - 16.82 two quartz drusy veins 1 cm wide at20 deg to c.a. 17.45 - 17.91 1mm black laminations at 75 deg to c.a.							15.54	17.07	1.53	1.57	98.7
									17.07	17.37	0.30	0.35	116.7

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-12 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
									17.37	18.90	1.53	1.57	98.7
17.91	23.63	LIGHT GREY COARSE BLEACHED DOLOSTONE. Contains 3 - 5% orange red fe carb as irregular stringers up to 5 mm wide.							18.90	20.42	1.52	1.37	90.1
		21.65 - 21.76 TWO DRUSY QZ VNS 1 CM WIDE AT 20 DEG TO C.A.							20.42	21.95	1.53	1.49	97.4
									21.95	22.85	0.90	0.90	100.0
		RECRYSTALIZED DOLOSTONE AS ABOVE DEAD SAMPLE	81727 22.85 - 23.63	<0.01	0.01	0.01	6		22.85	23.63	0.78	0.78	100.0
23.63	23.86	PALE GREEN MUDSTONE Contains 30% limonite gouge. Trace disseminated pyrite.	81728 23.63 - 23.86	0.05	0.02	0.18	48		23.63	23.86	0.23	0.18	100.0
23.86	32.02	GREY COARSE RECRYSTALIZED BLEACHED DOLOSTONE As above between to 23.63.	81729 23.86 - 25.00	<0.01	<0.01	0.01	11		23.86	25.00	1.14	1.14	100.0
		25.45 - 25.85 GRAVEL WASH 26.60 TRACE OXIDIZED PYRITES 2 mm ACROSS							25.00	26.51	1.51	1.23	81.5
		26.71 - 27.22 1 cm wide qz vn perpendicular to c.a.							26.51	28.04	1.53	1.51	98.7
									28.04	29.60	1.56	1.38	88.5
		29.90 - 32.02 BLEACHED COARSE RECRYSTALIZED DOLOSTONE Cut by 2 cm wide quartz vns at 10 deg to c.a. Broken core.							29.60	29.90	0.30	0.28	93.3
			81756 29.90 - 31.10	0.04	0.03	0.02	<0.001		29.90	31.10	1.20	1.19	99.2
			81757 31.10 - 32.02	0.02	0.01	0.01	<0.001		31.10	32.02	0.92	0.90	97.8

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-12 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
32.02	39.73	LIGHT GREY MED - COARSE CRYSTALINE DOLOSTONE + OR - FOSSILIFEROUS Possible amphipora 3 mm across. Minor limonite along hairline fractures and minor Fe - carb replacement.							32.02	32.61	0.59	0.56	94.9
									32.61	34.14	1.53	1.43	93.5
									34.14	35.70	1.56	1.35	86.5
									35.70	37.19	1.49	1.39	93.3
		37.46 - 37.55 HEMATITE STAINING							37.19	38.71	1.52	1.43	94.1
39.73	42.83	MOTTLED GREY COARSE RECRYSTALIZED DOLOSTONE. PARTIALLY RECRYSTALIZED GIVING MOTTLING. Contains 5% Fe - carb rimming un-recrystalized "fragments". Trace limonite along fractures. 40.23 - 41.15 BROKEN CORE							38.71	40.23	1.52	1.39	91.4
									40.23	41.15	0.92	0.74	80.4
									41.15	42.68	1.53	1.32	86.3
42.83	43.94	GREY DOLOSTONE RUBBLE BX 60 % dull earthy clay matrix - Broken core from 43.69 - 43.94.							42.68	44.20	1.52	1.52	100.0
43.94	45.43	MOTTLED GREY BROWN MUDSTONE AND BLEACHED RECRYSTALIZED DOLOSTONE Mudstone occurs as irregular patches in a bleached dolostone matrix - pseudo BX . Broken core. Styolites at 50 deg to c.a. Gradational lower contact.							44.20	45.72	1.52	1.52	100.0
45.43	50.44	GREY BROWN MUDSTONE CONTAINS COARSE CRYSTALINE IRREGULAR DOLOMITIZED BANDS UP TO 3 CM WIDE. 45.43 - 46.61 Broken Core.							45.72	47.40	1.68	1.43	85.1
									47.40	48.92	1.52	1.21	79.6
									48.92	50.44	1.52	1.19	78.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-12 PROPERTY KETZA

DIAMOND DRILL

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		FROM		
50.44	51.05	WHITE QUARTZ VEIN Upper contact at 50 deg to c.a. Lower contact at 40 deg to c.a.	81758 50.44 - 51.05	0.01	<0.01	<0.01	<0.001		50.44		
51.05	52.19	DARK MED CRYSTALINE DOLOSTONE CRACKLE BX Contains bands up to 3 cm wide of coarse recrystalized dolostone - minor undolomitized mudstone? Minor quartz vns up to 5 mm wide at 30 deg to c.a.							51.05		
52.19	53.57	BLEACHED COARSE RECRYSTALIZED DOLOSTONE MOTTLED WHITE AND DARK GREY. Unrecrystalized dark dolostone patches. 5% orange Fe carb. Styolites at 40 deg to c.a.							52.12		
			81759 52.19 - 53.57	0.01	<0.01	0.01	<0.001		52.19		
53.57	54.33	GREY DOLOSTONE RUBBLE BX - FAULT Orange yellow limonite and clay matrix - 60 % Broken core.	81760 53.57 - 54.33	<0.01	<0.00	0.02	<0.001		53.57		
54.33	60.05	COARSE GREY RECRYSTALIZED DOLOSTONE. LOCALLY WEAKLY BLEACHED									
		DEAD SAMPLE	81761 54.33 - 54.94	<0.01	0.02	0.01	<0.001		54.33	54.94	
		LIMONITE GOUGE HANGING WALL AND 2 CM QUARTZ	81762 54.94 - 55.04	0.04	0.18	0.20	<0.001		54.94	55.04	
		DEAD SAMPLE. BROKEN CORE TO 57.30	81763 55.04 - 56.08	<0.01	0.02	0.02	<0.001		55.04	56.08	
									56.08	57.61	
		57.96 - 61.57 BROKEN CORE							57.61	59.03	
		59.70 - 60.05 BROKEN CORE							59.03	60.05	
60.05	61.68	GREY MED - CRYSTALLINE AMPHIPORA DOLOSTONE. WEAK FOLIATION AT 65 DEG TO C.A. 20 % AMPHIPORA FLOATSTONE UP TO 5 MM ACROSS STYOLITES AT 70 DEG TO C.A.							60.05	61.57	

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-12 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
									61.57	61.68	0.11	0.11	100.0
61.68	62.11	GREY MED CRYSTALINE DOLOSTONE RUBBLE BX Earthy dull orange yellow clay limonite matrix	81706 61.68 - 62.11	0.03	0.03	0.22	5		61.68	62.11	0.43	0.38	88.4
62.11	72.42	GALENA ZONE											
		62.11 - 64.27 LIGHT GREY MED CRYSTALINE DOLOSTONE. MODERATELY FRACTURED LOCALLY A MOSAIC BX. Fractures preferentially oriented at 40 deg to c.a. with quartz - carb and limonite filling. Trace GL occurs along fractures	81707 62.11 - 6322	0.06	0.08	0.14	86		62.11	63.00	1.11	1.07	96.4
		AS ABOVE BUT ONLY WEAKLY FRACTURED AND IS CUT BY 3 QZ VNS UP TO 1 CM WIDE WITH TRACE GL ALONG MARGINS	81708 63.22 - 64.03	0.17	0.29	2.63	37		63.22	64.03	0.81	0.81	100.0
		AS ABOVE WITH 3 - 5 % FINE GRAINED PY IN BLEBS ASSOCIATED WITH 1 CM WIDE QZ VN AT 40 DEG TO C.A	81709 64.03 - 64.27	0.15	0.06	1.12	197		64.08	64.27	0.24	0.19	79.2
		64.27 - 66.97 GREY MED CRYSTALINE DOLOLSTONE +- FOSSILIFEROUS. Contain trace to 1% amphipora and stroms? Discontinuous 1 mm wide black laminations at 65 deg to c.a. Quartz vns 1-3 mm wide at 50 deg and 60 deg to c.a. Set at 60 deg is youngest. Tr GL along margins	81710 64.27 - 64.62	0.02	0.03	0.77	41		64.27	64.62	0.35	0.25	71.4
		BROKEN CORE AS ABOVE COMPETENT CORE WEAKLY VNED WITH TR GL ASSOCIATED WITH VNS	81711 64.62 - 65.30	0.05	0.03	0.97	18		64.62	65.30	0.68	0.68	100.0
		MZ/ QUARTZ VN 5 MM WIDE WITH 1 CM MASSIVE GL AND LIMONITE ALONG UPPER CONTACT. 60% GL VN AT 65 DEG TO C.A.	81712 65.30 - 65.35	0.75	0.67	2.65	291		65.30	65.35	0.05	0.05	100.0
		AS BETWEEN 64.62 - 65.30 WITH TRACE GL WITH TR GL ASSOCIATED WITH VNS	81713 65.35 - 66.97	0.13	0.09	0.30	38		65.35	66.97	1.62	1.62	100.0
66.97	69.14	MOTTLED BUFF TO GREY MED CRYSTALINE AMPHIPORA DOLOSTONE. Contains 40 % buff amphipora up to 1 cm across. Minor tan Fe - carb.											
		TRACE GL ALONG 2 MM WIDE QUARTZ-CARB-LIMONITE VNS	81714 66.97 - 67.62	0.03	0.06	0.08	7		66.97	67.62	0.65	0.57	87.7

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-12 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		FAULT RUBBLE BX. NO VISIBLE SX. LOWER CONTACT AT 50 DEG TO C.A. EARTHY ORANGE YELLOW LIMONITE MATRIX	81715 67.62 - 67.85	0.08	0.03	0.50	48		67.62	67.85	0.23	0.23	100.0
		AS BETWEEN 66.97 - 67.62 NO VISIBLE SX	81716 67.85 - 68.12	<0.01	0.02	0.17	<5		67.85	68.12	0.27	0.27	100.0
		LIMONITE FAULT RUBBLE BX WITH 1% FINE GRAIN PY IN BLEBS UP TO 5 MM ACROSS AND TR GL IN BLEBS UP TO 5 MM ACROSS. SX ASSOCIATED WITH LIMONITE AND HEMATITE FRACTURES AT 50 DEG TO C.A.	81717 68.12 - 68.43	0.45	0.29	2.75	88		68.12	68.43	0.31	0.31	100.0
		HIGHLY FRACTURED AMPHIPORA DOLOSTONE TR GL AND TR PY ALONG QZ - CARB VNS AT 50 DEG TO C.A.	81718 68.43 - 69.14	0.39	0.25	0.78	85		68.43	69.14	0.71	0.60	84.5
69.14	72.42	OXIDE ZONE 69.14 - 69.53 Massive limonite and hematite replacement with 3 % diss GL occurs as disseminated irregular patches up to 2 cm across with anglisite? rims.	81719 69.14 - 69.53	11.42	10.49	1.43	862		69.14	69.53	0.39	0.38	97.4
		DOLOSTONE RUBBLE BX 50 to 60 % earthy clay matrix replaced by orange brown limonite from 69.53 - 72.42. Trace GL occurs as disseminated irregular patches in the matrix. 72.42 END OF MINERALIZED ZONE	81720 69.53 - 70.71	0.78	0.97	2.02	155		69.53	70.71	1.18	1.01	85.6
			81721 70.71 - 72.24	0.53	0.74	3.91	89		70.71	72.24	1.53	1.42	92.8
			81722 72.24 - 72.42	0.53	0.69	4.05	88		72.24	72.42	0.18	0.18	100.0
72.42	73.80	EARTHY CLY MATRIX MINOR LIMONITE WEAK FOLIATION AT 40 DEG TO C.A. Slicks at 70 de R 73.60 m	81723 72.42 - 73.80	0.03	0.03	0.11	18		72.42	73.80	1.38	1.23	89.1
73.80	76.91	GREY FINE GRAINED DOLOMITIC MUDSTONE. CRACKLE TO MOSAIC BX MINOR EARTHY CLAY IN MATRIX	81724 73.80 - 74.07	<0.01	0.01	0.05	8		73.80	74.07	0.27	0.27	100.0
		LIMONITE AND CLAY GOUGE REPLACED	81725 74.07 - 74.33	0.03	0.01	0.04	24		74.07	74.33	0.26	0.20	76.9
		CRACKLE TO MOSAIC BX	81726 74.33 - 75.29	<0.01	<0.01	0.02	34		74.33	75.29	0.96	0.95	99.0
									75.29	76.81	1.52	1.46	96.1

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-12 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
76.91	77.98	DOLOMITIC MUDSTONE RUBBLE BX 65% DULL EARTHY CLAY MATRIX							76.81	78.33	1.52	1.44	94.7
77.98	78.33	LIGHT GREY DOLOMITIC MUDSTONE											
		END OF HOLE TOTAL RECOVERY 90.1 % MINERALIZED ZONE 93.5 %											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-13

AREA	NO.3 ZONE	SECTION	1+14N	DATE Started	06-13-88 (N)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-14-88 (N)
GRID CO-ORDS Line		INCLINATION	-48 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	35.66m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35699.11	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15477.20	DEPTH Overburden	3.05	CORE RECOVERY	84.5%
ELEVATION	1928.79m	VERT. COMP.	26.18m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	24.20m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-48	070	BRUNT				
35.66	-46.5	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.05	OVERBURDEN				
3.05	19.77	DOLOSLTONE				
19.77	26.08	OZ/GZ	6.31	6.29	8.46	22.93
26.08	35.66	DOLOMITIC MUDSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.49	2.55	2.21	0.008	78.3%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-13 PROPERTY KETZA

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.05	OVERBURDEN											
3.05	15.85	MOTTLED LIGHT AND DARK GREY MED-COARSE CRYSTALINE DOLOSTONE LOCAL RECRYSTALIZATION GIVING LIGHT GREY COARSE CRYSTALINE MOTTLING. MINOR ORANGE FE-CARB ASSOC WITH RECRYSTALIZATION. QZ VNS 1-3 MM WIDE AT 50 DEG TO C.A. 2 CM WIDE QZ VN AT 3.08 M. STYOLITES AT 20 DEG TO C.A.							3.05	3.96	0.91	0.29	37.9
									3.96	5.18	1.22	0.49	40.2
									5.18	6.40	1.22	0.97	79.5
		9.37 9.45 WASH AND GRAVEL							6.40	8.08	1.68	1.30	77.4
		RED LIMONITE GOUGE AND QUARTZ VN 5 CM WIDE BROKEN CORE							8.08	9.45	1.37	1.22	89.1
			81764 9.45 - 9.75	1.25	0.06	0.31	1901		9.45	9.75	0.30	0.20	66.7
									9.75	11.28	1.53	1.45	94.8
									11.28	11.89	0.61	0.60	98.4
		12.80 - 12.87 QUARTZ VN AT 80 DEG TO C.A.							11.89	12.80	0.91	0.84	92.3
									12.80	14.33	1.53	1.45	94.8
									14.33	15.85	1.52	1.52	100.0
15.85	16.61	COARSE RECRYSTALIZED BLEACHED DOLOSTONE CONTAINS 5% FE - CARB AND QUARTZ PATCHES 5 CM ACROSS							15.85	17.37	1.52	1.45	95.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-13 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
16.61	18.00	MOTTLED GREY DOLOSTONE AS BETWEEN 3.05 - 15.85	81765 17.37 - 18.00	0.01	<0.01	0.03	11		17.37	18.00	0.63	0.55	87.3
18.00	19.20	MED GREY DOLOSTONE MOSAIC BX CLAY ALTERED AND CUT BY QUARTZ VNS. VERY BROKEN CORE	81766 18.00 - 19.20	0.02	0.01	0.07	39		18.00	19.20	1.20	0.87	72.5
19.20	19.77	DARK MED XTALINE DOLOSTONE +- FOSSILIFEROUS HIGHLY FRACTURED WITH LIMONITE COATING. Prominant fracture direction at 30 deg to c.a. Possible amphipora up to 5 mm across	81730 19.20 - 19.77	0.22	0.21	0.35	5		19.20	19.77	0.57	0.55	96.5
19.77	20.09	DOLOSTONE AS ABOVE WITH 30% LIMONITE AND TRACE GL ALONG FRACTURES. Quartz vein 2 cm wide at 65 deg to c.a.	81731 19.77 - 20.09	0.50	0.59	2.40	108		19.77	20.09	0.32	0.28	87.5
20.09	20.86	DOLOSTONE AS ABOVE WITH QUARTZ VEINS UP TO 1 CM WIDE AT 53 DEG TO C.A. NO VISIBLE SX	81732 20.09 - 20.86	7.62	4.01	0.14	5		20.09	20.86	0.77	0.77	100.0
20.86	22.88	OXIDE ZONE - DOLOMITE FAULT RUBBLE BX AND GOUGE CONTAINS 40 - 50% LIMONITE AND TRACE TO 1 % GL BROKEN RUBBLY CORE	81733 20.86 - 21.64	1.79	1.99	0.34	137		20.86	21.64	0.78	0.33	42.3
		LIMONITIC DOLOSTONE FAULT RUBBLE BX LIMONITE-QUARTZ-CARBONATE MATRIX WITH 1-3% FINE GRAIN PYRITE ALONG FRACTURES AND TRACE TO 1% GL IN MATRIX	81734 21.64 - 22.88	0.88	1.02	6.10	304		21.64	22.88	1.24	1.08	87.1
22.88	25.00	DOLOSTONE FAULT MOSAIC - CRACKLE BX WITH LIMONITE FRACTURE FILLING AND TRACE GL ALONG FRACTURES.	81735 22.88 - 23.38	1.43	0.85	0.88	82		22.88	23.38	0.50	0.40	80.0
		AS ABOVE. BROKEN CORE NO VISIBLE SX	81736 23.28 - 24.40	0.37	0.49	1.30	80		23.38	24.40	1.02	0.59	57.8
		DARK GREY MED XTALINE DOLOSTONE. WEAKLY FRACTURED WITH TR GL ALONG FRACTURES	81737 24.40 - 24.80	0.42	0.57	1.40	151		24.40	24.80	0.40	0.36	90.0
		AS ABOVE. BROKEN CORE AND GOUGE. WITH TR DISS GL	81738 24.80 - 25.00	2.16	2.80	1.26	175		24.80	25.00	0.20	0.17	85.0
25.00	26.08	OXIDE ZONE. LIMONITIC GOUGE - ORANGE BROWN WITH 1-3% DISS GL	81739 25.00 - 25.39	10.30	14.45	1.95	993		25.00	25.39	0.39	0.32	82.1
		SPONGY ORANGE YELLOW LIMONITE GOUGE WITH TRACE DISS GL	81740 25.39 - 25.79	2.62	4.35	4.38	739		25.39	25.79	0.40	0.39	97.5

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-13 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. / INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		SPONGY GREY CLAY GOUGE WITH 10% RED BROWN LIMONITE	81741 25.79 - 25.97	1.82	3.75	0.25	1013		25.79	25.97	0.18	0.14	77.8
		ORANGE YELLOW LIMONITE GOUGE WITH TRACE QUARTZ RUBBLE AND TRACE DISS GL	81742 25.97 - 26.08	1.22	2.36	0.89	186		25.97	26.08	0.11	0.11	100.0
		END OF MINERALIZED ZONE 1											
26.08	35.66	FINE GREY DOLOMITIC MUDSTONE											
		CRACKLE BX	81743 26.08 - 26.82	0.12	0.14	0.69	31		26.08	26.82	0.74	0.65	87.8
		GREEN GREY CLAY AND LIMONITE ALTERED WITH BROKEN QUARTZ	81744 26.82 - 27.23	0.17	0.26	0.10	53		26.82	27.23	0.41	0.41	100.0
		DOLOMITIC MUDSTONE RUBBLE BX QUARTZ CARB-WAD MATRIX	81745 27.23 - 27.57	0.03	0.02	0.04	9		27.23	27.51	0.28	0.28	100.0
		GREY DOLOMITIC MUDSTONE WEAK FOLIATION AT 45 DEG TO C.A. AND MINOR LIMONITE STAINING	81746 27.51 - 28.62	0.35	0.18	0.03	26		27.51	28.62	1.11	0.89	80.2
		DOLOMITIC MUDSTONE FAULT RUBBLE BX 20% ORANGE LIMONITE IN MATRIX	81747 28.62 - 29.25	0.11	0.09	0.22	26		28.62	29.25	0.63	0.52	82.5
		(MINERALIZED ZONE 2) DOLOMITIC MUDSTONE FAULT RUBBLE BX EARTHY CLAY-QUARTZ-CARB MATRIX WITH 1% GL DISSEMINATED IN PATCHES IN MATRIX VUGGY DOLOMITIC MUDSTONE MOSAIC BX. Minor limonite along fractures. Three irregular quartz vns 1 cm wide at 65 deg to c.a. No visible sx	81748 29.25 - 29.65	0.89	2.00	0.19	21		29.25	29.65	0.40	0.38	95.0
		DOLOMITIC MUDSTONE RUBBLE BX Earthy clay-quartz-carb matrix with 50% yellowish limonite. Trace to 1% GL as disseminated blebs up to 5 mm across in the matrix	81749 29.65 - 29.97	0.42	0.90	0.05	10		29.65	29.97	0.32	0.32	100.0
		END OF MINERALIZED ZONE 2 as above. no visible sx	81750 29.97 - 30.59	0.44	0.81	0.24	6		29.97	30.59	0.62	0.60	96.8
			81752 30.59 - 30.96	0.03	0.04	0.05	12		30.59	30.96	0.37	0.35	94.6
			30.96 - 31.05										

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-13 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		BROWN-GREY CLAY GOUGE	81753 30.96 - 31.05	0.18	0.04	0.16	31		30.96	31.05	0.09	0.07	77.8
		GREY DOLOMITIC MUDSTONE Weakly fractured with limonite fracture filling up to 2 mm wide. Rare GL along fracture	81754 31.05 - 31.78	0.21	0.41	0.50	15		31.05	31.78	0.73	0.70	95.9
		DOLOMITIC MUDSTONE RUBBLE BX EARTHY CLAY-QUARTZ-CARB MATRIX	81755 31.78 - 32.60	1.14	0.55	0.30	31		31.78	32.60	0.82	0.82	100.0
		DOLOMITIC MUDSTONE Moderately fractured- minor crackle bx - quartz fracture filling - dominant fracture direction at 45 deg to c.a. Weak foliation at 35 deg to c.a. 80 deg to fractures							32.60	34.14	1.54	1.41	91.6
		END OF HOLE 35.66							34.14	35.66	1.52	1.46	96.1
		TOTAL RECOVERY											84.5
		MINERALIZED ZONE 1 -- 19.77 - 26.08											78.3
		MINERALIZED ZONE 2 -- 29.25 - 30.59											97.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-14

AREA	NO.3 ZONE	SECTION	1+14N	DATE Started	06-14-88 (N)
CLAIM	VER 1	AZIMUTH (T)	070	DATE Completed	06-15-88 (D)
GRID CO-ORDS Line		INCLINATION	-87 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	50.90m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35698.75	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15475.92	DEPTH Overburden	3.65m	CORE RECOVERY	90.1%
ELEVATION	1928.56m	VERT. COMP.	50.81m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	3.11m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-87	070	BRUNT				
50.90	-86	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.65	OVERBURDEN				
3.65	33.91	DAMPHI				
33.91	34.70	GZ/OZ	0.79	0.55	0.72	34.31
34.70	44.61	dM BRECCIA				
44.61	50.90	dM				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.36	2.36	1.59	0.002	98.7%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH *YM98-14* PROPERTY *KETZA*

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	%RECOV (%)
0.00	3.65	OVERBURDEN											
3.65	8.78	MOTTLED LIGHT AND DARK GREY MED-COARSE DOLOSTONE +- FOSSILIFEROUS Coarse crystaline light grey and midium crystaline dark grey dolostone with minor possible stromatoporoids, bulbous up to 2 cm across and quartz patches up to 2.5 cm across. Quartz veins up to 5 mm across at 30 deg to c.a.							3.65	4.30	0.65	0.60	92.3
		WHITE QUARTZ VEIN AT 25 DEG TO C.A.	81792 4.30 - 4.49	<0.01	<0.01	0.01	<5		4.30	4.49	0.19	0.19	100.0
									4.49	5.18	0.69	0.55	79.7
									5.18	6.71	1.53	1.15	75.2
									6.71	8.23	1.52	1.40	92.1
8.78	21.34	LIGHT GREY RECRYSTALIZED DOLOSTONE Contains minor quartz patches up to 2 cm across and 3% orange Fe-carbonate. Minor quart veins up to 5 mm wide at 20 deg and 60 deg to c.a. Vn ^ vn = 80 deg							8.23	9.75	1.52	1.35	88.8
									9.75	11.27	1.52	1.51	99.3
									11.27	12.80	1.53	1.50	98.0
									12.80	14.33	1.53	1.52	99.3
									14.33	15.85	1.52	1.42	93.4
									15.85	17.37	1.52	1.52	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-14 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		17.99 - 18.29 BROKEN CORE AND MINOR GOUGE							17.37	18.29	0.92	0.75	81.5
									18.29	18.99	0.70	0.65	92.9
		RED LIMONITE GOUGE	81793 18.99 - 19.31	0.03	0.03	0.14	30		18.99	19.31	0.32	0.26	81.3
		19.31 - 19.44 PSUEDO BX Rounded irregular "fragments" of light grey-pink dolostone and Fe-carb up to 2 cm across in dark fine grain matrix.							19.31	19.81	0.50	0.47	94.0
		20.76 - 20.84 GOUGE							19.81	21.34	1.53	1.51	98.7
21.34	21.95	3 CM WIDE SHEARED RUBBLE BX BAND AT 30 DEG TO C.A. - BROKEN CORE	81794 21.34 - 21.95	<0.01	<0.01	0.02	7		21.34	21.95	0.61	0.42	68.9
21.95	27.11	DARK MED CRYSTALINE AMPHIPORA DOLOSTONE CRACKLE BX Hairline quartz-carbonate fracture fillings, brecciating the dolostone. Minor amphipora - floatstone - up to 3 mm across. 22.12 - 22.42 BROKEN CORE							21.95	23.47	1.52	1.30	85.5
		23.67 - 23.93 BROKEN CORE							23.47	24.99	1.52	1.27	83.6
		23.93 - 24.99 HIGHLY FRACTURED WITH LIMONITE AND HEMATITE COATING ON HAIRLINE FRACTURES. 24.20 - 24.23 QUARTZ VEIN AT 60 DEG TO C.A.											
		25.20 - 25.42 30 % AMPHIPORA FLOATSTONE UP TO 5 MM ACROSS							24.99	26.52	1.53	1.52	99.3
		26.22 - 26.45 50 % AMPHIPORA - PACKSTONE - UP TO 3 MM ACROSS											
		26.52 - 27.11 HIGHLY FRACTURED AS BETWEEN 23.95 - 24.99							26.52	27.11	0.59	0.55	93.2

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-14 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
27.11	29.84	LIMONITE AND CLAY REPLACED DOLOSTONE Fault rubble BX with orange brown limonite and clay replacement. Soft core.	81769 27.11 - 28.04	0.25	0.37	0.17	47		27.11	28.04	0.93	0.79	84.9
		GREY MED XTALINE DOLOSTONE FAULT RUBBLE TO MOSAIC BX Limonite and clay orange brown matrix to rubble BX band 5 cxm wide at 10 deg to c.a. in mosaic BX. Grey med xtaline dolostone. Fault plane at 20 deg to c.a. with slicks at 70 deg.	81770 28.04 - 28.84	0.01	0.02	0.07	<5		28.04	28.84	0.80	0.75	93.8
		GREY MED CRYSTALINE DOLOSTONE FAULT RUBBLE bx ORANGE YELLOW LIMONITE MATRIX (40 - 50 %) WITH MINOR FE CARB	81771 28.84 - 29.18	0.08	0.12	0.15	7		28.84	29.14	0.34	0.32	94.1
		GOUGE AND LIMONITE MATRIX DOLOSTONE RUBBLE BX. GOUGE BAND 2 CM WIDE AT 5 DEG TO C.A.	81772 29.18 - 29.84	0.33	0.31	0.17	30		29.18	29.84	0.66	0.56	84.9
29.84	32.24	GALENA ZONE Grey med xtaline dolostone rubble bx band 1-2 cm wide with orange limonite band at 5 - 10 deg to c.a. Trace GL along older hairline fractures at 25 deg to c.a.	81773 29.84 - 30.48	0.06	0.22	0.06	8		29.84	30.48	0.64	0.59	92.2
		AS ABOVE but lacks rubble bx band and contains trace to 1% GL along fractures @25 deg and 25 deg to c.a. 50 deg to one another.	81774 30.48 - 31.09	0.19	0.68	0.02	12		30.48	31.09	0.61	0.58	95.1
		AS ABOVE WITH TR GL AN TR - 1% PY ALONG FRACTURES	81775 31.09 - 32.24	0.14	0.18	0.03	24		31.09	32.24	1.15	1.08	93.9
32.24	32.71	GREY MED CRYSTALINE DOLOSTONE AS ABOVE WITH NO VISIBLE SX. BROKEN CORE	81776 32.24 - 32.71	0.12	0.25	0.05	6		32.24	32.71	0.47	0.47	100.0
32.71	33.91	DARK GREY MED CRYSTALINE DOLOSTONE +- FOSSILIFEROUS Fractured as above with no visible sx. Broken core.	81777 32.71 - 33.91	0.07	0.07	0.15	10		32.71	33.91	1.20	1.17	97.5
33.91	33.24	OXIDE ZONE Dark dolostone as above with 30% orange limonite and 3% GL assoc with limonite. Broken core.	81778 33.91 - 34.24	2.92	5.40	2.17	41		33.91	34.24	0.33	0.32	97.0
34.24	34.53	GREEN GREY BLACK CLAY GOUGE - NO VISIBLE SX	81779 34.24 - 34.54	0.24	0.20	1.07	68		34.24	34.54	0.30	0.30	100.0
34.53	37.49	FINE GREY DOLOMITIC MUDSTONE											

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-14 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		RUBBLE BX WITH 70% MATRIX OF ORANGE LIMONITE AND EARTHY CLAY MATRIX	81780 34.54 - 34.70	0.23	0.13	1.38	36		34.54	34.70	0.16	0.16	100.0
		RUBBLE BX WITH 30% DULL EARTHY CLAY MATRIX	81781 34.70 - 35.60	0.02	0.02	0.11	7		34.70	35.60	0.90	0.81	90.0
		AS ABOVE BROKEN CORE	81782 35.60 - 37.19	<0.01	0.01	0.07	<5		35.60	37.19	1.59	0.93	58.5
		LAMINATED DOLOMITIC MUDSTONE Laminations at 40 deg to c.a.	81783 37.19 - 37.44	<0.01	0.00	0.04	8		37.19	37.44	0.25	0.25	100.0
		BROKEN RUBBLY CORE	81784 37.44 - 37.49	0.01	0.01	0.05	8		37.44	37.49	0.05	0.05	100.0
37.49	44.01	DOLOMITIC MUDSTONE BX Round tan grey mudstone clasts packed in a laminated dark grey matrix - 20% matrix laminations at 65deg to c.a. Minor clay limonite 5 mm wide veins @ 25 deg to c.a. with tr oxidized py cubes up to 2mm across	81785 37.49 - 39.01	0.02	0.01	0.09	11		37.49	39.01	1.52	1.41	92.8
		DOLOMITIC MUDSTONE CRACKLE BX WITH FOLIATION AT 60 DEG TO C.A. BROKEN CORE	81786 39.01 - 40.23	0.01	<0.01	0.09	6		39.01	40.23	1.22	1.13	92.6
		AS ABOVE WITH RUBBLE BX BAND 6 CM WIDE AT 15 DEG TO C.A. BROKEN CORE.	81787 40.23 - 41.76	<0.01	<0.01	0.03	6		40.23	41.76	1.53	1.47	96.1
		AS ABOVE WITH LAMINATIONS AT 60 DEG TO C.A. AND RUBBLE BX AT 41.76 - 41.91 AND 42.03 - 42.13. BROKEN CORE FROM 42.53 - 43.28	81788 41.76 - 43.38	0.05	0.07	0.05	13		41.76	43.28	1.52	1.04	68.4
		DOLOMITIC MUDSTONE BX - AS ABOVE	81789 43.28 - 44.01	0.02	0.02	0.04	10		43.28	44.01	0.73	0.67	91.8
44.01	44.61	BLEACHED TAN LIMONITIC RUBBLE BX WITH MINOR QUARTZ VN 3 MM WIDE AT 60 DEG TO C.A. AND BROKEN QUARTZ FRAGMENTS. MINOR CLAY GOUGE.	81790 44.01 - 44.61	<0.01	0.01	0.12	7		44.01	44.61	0.60	0.33	55.0
44.61	50.90	MASSIVE LIGHT GREY DOLOMITIC MUDSTONE Cut by quartz vns up to 3 mm wide at 25 deg to c.a.	81791 44.61 - 45.66	<0.01	<0.01	0.02	9		44.61	45.66	1.05	0.97	92.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-14 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
									45.66	46.33	0.67	0.63	94.0
									46.33	47.85	1.52	1.45	95.4
		MINOR DRUSY QZ VNS 1 CM WIDE AT 20 DEG TO C.A.							47.85	49.38	1.53	1.41	92.2
									49.38	50.90	1.52	1.52	100.0
		END OF HOLE 50.90m TOTAL RECOVERY											90.1
		GALENA ZONE 29.84 - 32.24											93.8
		LIMONITE ZONE 33.91 - 34.24											97.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM98-15

AREA	NO.2 ZONE	SECTION	0+00NW	DATE Started	06-15-88 (N)
CLAIM	HV 268	AZIMUTH (T)	218	DATE Completed	06-17-88 (N)
GRID CO-ORDS Line		INCLINATION	-65 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	75.29m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35438.11	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15394.22	DEPTH Overburden	6.10	CORE RECOVERY	91.6%
ELEVATION	1906.74m	VERT. COMP.	67.95m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	32.41m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-65	218	BRUNT				
75.29	-64	218	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	6.10	OVERBURDEN				
6.10	6.40	DOLOSTONE				
6.40	8.36	GZ/PZ	1.96			7.38
8.36	17.12	DAMPHI				
17.12	21.13	OZ/GZ (NO.2)	4.01	3.09	3.43	19.13
21.13	34.05	dM BRECCIA				
34.05	42.00	OZ/GZ (NO.2A)	7.95	4.09	4.11	38.03

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
5.13	4.09	0.17	0.001	59.2%
4.58	7.25	3.99	0.015	96.5%
1.32	2.03	2.04	0.006	95.5%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-15

AREA

CLAIM

GRID CO-ORDS — Line / Station

SURVEY CO-ORDS — Northing / Easting

ELEVATION

STICK UP

SECTION

AZIMUTH (T)

INCLINATION

DEPTH — Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE — Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
42.00	47.85	MUDSTONE				
47.85	55.47	GZ	7.62			51.66
55.47	65.21	dM BRECCIA				
65.21	75.29	Sb/dM(+)(-)PY				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.63	2.41	0.11	0.002	89.6%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-15 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. / INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	6.10	OVERBURDEN											
6.10	7.92	GREY-YELLOW BLEACHED DOLOSTONE Highly fractured with yellow orange limonite along fracture. Fe-carb replacement? yielding yellow colour. Randomly oriented red-orange fe-carb stringers. Discontinuous white quartz vns at 15 deg to c.a. Limonite, calcite and wad vnlets at 30 deg to c.a., 15 deg to qz vns.							6.10	6.40	0.30	0.29	96.7
			81795 6.40 - 7.92	5.72	4.13	0.05	24		6.40	7.92	1.52	0.80	52.6
7.92	8.36	GALENA ZONE Dolostone as above with 1 % fracture controlled fine grained Gl in blebs up to 7 mm across. Mineralized fractures at 30 deg to c.a. with orange-yellow limonite.	81796 7.92 - 8.36	3.09	3.94	0.74	26		7.92	8.36	0.44	0.36	81.8
8.36	8.89	PZ (PYRITE ZONE) Dolostone as above with 1 - 3 % fracture controlled pyrite in blebs 1.5 cm across and stringers along fractaures at 30 deg and 40 deg to c.a. (subparallel) Pyrite blebs have oxidized rims 2mm wide. Vuggy limonitic quartz-carbonate vn 6 cm wide occurs at 8.67 m at 60 deg to c.a.	81797 8.36 - 8.89	0.16	0.14	0.10	73		8.36	8.89	0.53	0.44	83.0
8.89	10.33	BLEACHED DOLOSTONE AS BETWEEN 6.10 AND 7.92											
		VERY BROKEN CORE WITH 10% DARK BROWN WAD AND TRACE OXIDIZED PYRITE CUBES 3 MM ACROSS.	81798 8.89 - 9.45	0.17	0.15	0.05	53		8.89	9.45	0.56	0.35	62.5
		FRACTURED DOLOSTONE AS ABOVE. WITH ORANGE YELLOW LIMONITE AND CLAY FRACTURE FILLINGS UP TO 2 MM WIDE AT 30 DEG TO C.A.	81799 9.45 - 10.33	0.10	0.11	0.04	20		9.45	10.33	0.88	0.88	100.0
10.33	10.52	GALENA ZONE Dolostone as above with 1 - 3 GL along fractures up to 2mm wide with wad at 30 deg to c.a.	81800 10.33 - 10.52	0.26	0.45	0.02	9		10.33	10.52	0.19	0.19	100.0
10.52	11.21	BLEACHED YELLOW GREY DOLOSTONE AS ABOVE WITH DISCONTINUOUS QUARTZ STRINGERS PARALLEL TO C.A. AND 5 MM WIDE	81801 10.52 - 10.97	0.10	0.11	0.02	11		10.52	10.97	0.45	0.44	97.8
		BLEACHED YELLOW GREY DOLOSTONE AS ABOVE WITH TRACE PY AND RARE GL ALONG FRACTURES	81802 10.97 - 11.21	0.33	0.30	0.04	53		10.97	11.21	0.24	0.27	112.5

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-15 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
11.21	12.84	GALENA ZONE Broken core from 11.74 - 12.30 Yellow-grey dolostone as above. Highly fractured with 1 % GL occuring along orange limonitic fractures. Up to 1 cm wide at 40 deg to c.a.	81803 11.21 - 12.84	1.05	1.27	0.81	39		11.21	12.84	1.63	1.10	65.5
12.84	14.02	DARK MED CRYSTALINE AMPHIPORA DOLOSTONE Weak clay - Fe - carb alteration, 30 % amphipora. Up to 5 mm across - floatstone. Broken core.	81804 12.84 - 14.02	0.17	0.09	0.24	13		12.84	14.02	1.18	0.87	73.7
14.02	17.12	GALENA ZONE Dark dolostone crackle bx hairline orange limonite, dark brown wad and quartz - carbonate vnlets. 1% GL occurs in orange limonite fracture fillings up to 1cm wd	81805 14.02 - 15.54	1.23	0.95	1.44	39		14.02	15.54	1.52	1.49	98.0
		AS ABOVE	81806 15.54 - 15.86	0.46	0.44	0.52	31		15.54	15.86	0.32	0.30	93.7
		AS ABOVE BUT WITH VERY BROKEN CORE WITH 15 - 20% DARK BROWN LIMONITE AND WAD	81807 15.86 - 17.12	0.93	1.17	1.70	40		15.86	17.12	1.26	1.03	81.8
17.12	19.02	OXIDE ZONE Complete orange limonite and minor clay gouge replacement with trace disseminated GL	81808 17.12 - 17.74	8.02	12.60	4.90	628		17.12	17.74	0.62	0.59	95.2
		BROKEN QUARTZ VEIN 80% Quartz fractured by limonite with tr GL.	81809 17.74 - 18.01	2.06	1.94	2.14	108		17.74	18.01	0.27	0.24	88.9
		LIMONITE REPLACEMENT WITH TRACE GL AS BETWEEN 17.12 - 17.74	81810 18.01 - 18.18	4.10	3.97	3.39	336		18.01	18.18	0.17	0.16	94.1
		ORANGE LIMONITE AND GREY WHITE CLAY WITH TR DISS GL. LOWER CONTACT AT 50 DEG TO C.A.	81811 18.18 - 18.28	15.30	26.10	0.58	1222		18.18	18.28	0.10	0.10	100.0
		SPONGY ORANGE LIMONITE WITH 5% FINE GRAIN GL IN PATCHES UP TO 2 CM ACROSS	81812 18.28 - 18.43	16.80	27.60	1.17	1578		18.28	18.43	0.15	0.14	93.3
		DARK DOLOSTONE WITH 40 % LIMONITE AND 1% DISS GL ASSOC WITH LIMONITE	81813 18.43 - 18.59	5.37	8.90	3.00	324		18.43	18.59	0.16	0.12	75.0
		SPONGY ORANGE LIMONITE AND GREY CLAY GOUGE WITH 1 - 3% DISS GL IN BLEB UP TO 1 CM ACROSS	81814 18.59 - 18.80	12.40	28.50	3.35	1043		18.59	18.80	0.21	0.17	81.0
		FE - CARB AND YELLOW-ORANGE LIMONITE REPLACED DOLOSTONE RUBBLE BX WITH TR 1% GL DISS IN BLEBS 0.5 MM ACROSS.	81815 18.80 - 19.02	5.77	5.46	14.50	295		18.80	19.02	0.22	0.20	90.9

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-15 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
19.02	19.67	GALENA ZONE Grey? dolostone rubble - mosaic BX cut by limonite fractures up to 3 mm wide with fe-carbonate and minor quartz patches up to 1 cm across are disseminated throughout. 1 - 3 % GL occurs as stringers along fractures parallel to the core axis and offset by fractures at 50 deg to c.a. Contains 20% limonite.	81829 19.02 - 19.67	1.85	3.92	7.07	111		19.02	19.67	0.65	0.65	100.0
19.67	20.02	OZ Spongy orange limonite replacement with trace disseminated GL. Weak foliation at 45 deg to c.a.	81830 19.67 - 20.02	1.42	0.70	1.38	745		19.67	20.02	0.35	0.34	97.1
20.02	20.70	GALENA ZONE GREY GREEN BLEACHED DOLOMITIC MUDSTONE RUBBLE BX. Matrix of 10% limonite with 10% fe coab and minor quartz occuring as disseminated patches up to 2 cm across. 1-3% GL occurs as disseminated blebs up to 1 cm across in the matrix or along limonite fracture fillings at 40 deg to c.a.	81831 20.02 - 20.70	0.99	1.47	2.32	51		20.02	20.70	0.68	0.74	108.8
20.70	21.13	OZ Spongy orange limonite replacement of dolomitic mudstone. Minor grey-white clay and trace GL>	81832 20.7 - 21.13	2.25	2.08	1.30	1017		20.70	21.13	0.43	0.42	97.7
21.13	25.05	PALE GREEN-GREY DOLOMITIC MUDSTONE MOSAIC BX Quartz - carbonate fracture filling matrix with minor limonite. Contains irregular quartz patches up to 5 cm across.	81833 21.13 - 22.00	0.10	0.08	0.08	56		21.13	22.00	0.87	0.78	89.7
									22.00	23.16	1.16	1.22	105.2
									23.16	24.64	1.52	1.45	95.4
									24.64	25.05	0.41	0.37	90.2
25.05	33.64	PZ? PALE GREEN-GREY DOLOMITIC MUDSTONE MOSAIC BX With 1-3% fine grain pyrite in fractures controlled masses up to 2 cm across. Mudstone is locally silicified and contains very fine grain disseminated pyrite. Trace GL occurs in patches along limonitic Fe carb filled fract up to 1 cm wide @20 deg to c.a. After splitting tr-1% sphalerite in blebs in quartz carb fracs.	81834 25.05 - 26.21	0.16	0.18	0.33	133		25.05	26.21	1.16	1.06	91.4
		DOLOMITIC MUDSTONE BX AS ABOVE. With 10 % carbonate in patches up to 3 cm across and vns up to 2 cm wide and 1% pyrite with tr GL (after split - tr - 1% sphalerite)	81835 26.21 - 27.74	0.20	0.27	0.73	45		26.21	27.74	1.53	1.38	90.2
		DOLOMITIC MUDSTONE BX AS ABOVE WITH TRACE - 1% pY AND TR gl. LACKS LARGE CARBONATE VNS AND PATCHES	81836 27.74 - 29.00	0.13	0.14	0.29	14		27.74	29.00	1.26	1.25	99.2
		GREY UNBLEACHED DOLOMITIC MUDSTONE CRACKLE TO MOSAIC BX WITH TR-1% GL AND PY ALONG LIMONITIC FRACTURES. STYOLITES AT 70 DEG TO C.A	81837 29.00 - 29.92	0.16	0.38	0.10	16		29.00	29.92	0.92	0.83	90.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-15 PROPERTY KETZA

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		PALE GREEN GREY DOLOMITIC CRACKLE TO MOSAIC BX AS ABOVE	81838 29.92 - 30.78	0.06	0.08	0.05	18		29.92	30.78	0.86	0.85	98.8
		PALE GREEN GREY DOLOMITIC MUDSTONE AS ABOVE. With limonitic fractured white quartz 10 cm wide at 31.60 - at 30 deg to c.a. At 32.07 - 3 cm wide massive pyrite band at 45 deg to c.a. Band contains 70% pyrite as fine grains in framboids up to 5 mm across. Tr GL associated with carbonate - limonite fracture fillings.	81839 30.78 - 32.30	0.15	0.11	1.13	67		30.78	32.30	1.52	1.45	95.4
		PALE GREEN GREY DOLOMITIC MUDSTONE CRACKLE TO MOSAIC BX. As above with tr py and tr gl along fractures assoc with limonite and carbonate.	81840 32.30 - 33.64	0.04	0.03	0.08	16		32.30	33.64	1.34	1.05	78.4
33.64	34.05	GZ - Pale green grey dolomitic mudstone crackle to mosaic Bx as above. Contains 50% fractured quartz vn at approx 30 deg to c.a. 1% gl occurs in bleb up to 5 mm across along quartz margins associated with limonite. 1% fine grain pyrite occurs in disseminated blebs up to 5mm across.	81841 33.64 - 34.05	0.31	0.90	0.33	56		33.64	34.05	0.41	0.41	100.0
34.05	35.30	OZ - Limonite replacement with 1% disseminated fine grain gl in blebs up to 5 mm across and 5% fine grain pyrite in masses up to 2.5 cm across. White quartz occurs in disseminated patches up to 2 cm across.											
		70 % LIMONITE REPLACEMENT WITH 1 % DISSEMINATED GL BLEBS UP TO 5 MM ACROSS AND 10% PYRITE IN MASSES UP TO 2.5 CM ACROSS.	81842 34.05 - 34.67	1.45	1.68	4.00	239		34.05	34.67	0.62	0.51	82.3
		30 - 35 % LIMONITE REPLACEMENT MAINLY ALONG FRACTURES WITH 3% FINE GRAIN GL DISSEMINATED IN BLEBS 3 MM ACROSS. CONTAINS 3-5% FINE GRAIN FRACTURE CONTROLLED PYRITE.	81843 34.67 - 34.98	2.29	4.48	3.66	194		34.67	34.98	0.31	0.29	93.5
		80 - 90 % LIMONITE REPLACEMENT WITH 10% BROKEN QUARTZ FRAGMENTS UP TO 4 CM ACROSS AND 1% DISSEMINATED GL IN BLEBS UP TO 5 MM ACROSS	81844 34.98 - 35.30	1.85	3.30	1.26	461		34.98	35.30	0.32	0.32	100.0
35.30	39.00	GZ - Dark med crystaline dolostone crackle bx +- fossiliferous. Quartz carbonate crackle bx matrix cut by late Fe carb and limonite vns containing 5-10% fine grain pyrite as fine disseminations in vns or as clots up to 3 cm or vns up to 1.5 cm wide. 1% GL occurs in blebs up to 5 mm across in pyrite-limonite stringers or in clots up to 1.5 cm across assoc with large pyrite patches	81845 35.30 - 36.88	1.44	2.36	4.18	275		35.30	36.88	1.58	1.55	98.1

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-15 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		Large sulphide patches are assoc with graphitic fractures at 65 deg to c.a. Quartz occurs in broken vns up to 1 cm wide or in patches up to 2 cm across. Contains possible amphipora 3mm across-floatstone.	81846 36.88 - 38.40	1.63	2.00	0.69	134		36.88	38.40	1.52	1.41	92.8
		As above w\local bleaching from 37.96 - 38.13 As above w\limonite GL band (3cm wide) w graphitic margins @60 deg to c.a. @38.86m	81847 38.40 - 39.00	0.35	0.42	0.76	163		38.40	39.00	0.60	0.60	100.0
39.00	39.49	OZ ? - Dark dolostone crackle bx as above with 30% - 40 % limonite assoc with massive fine grain pyrite vn 1-2 cm wide with limonite margins 2 cm wide. At 30 deg to c.a. Limonite extends through crackle bx matrix. Contains tr - 1% GL in fine grain blebs up to 3 mm across.	81848 39.00 - 39.49	1.14	1.30	1.16	305		39.00	39.49	0.49	0.49	100.0
39.49	41.62	GZ - Dolostone crackle bx as between 35.30 to 39.00 m with tr - 1 % GL assoc with quartz, limonite and Fe carbonate fractures fillings.	81849 39.49 - 39.93	1.40	2.25	0.64	164		39.49	39.93	0.44	0.43	97.7
		DOLOSTONE CRACKLE BX AS ABOVE WITH 5-10 % FINE GRAINED PYRITE IN MASSES UP TO 1 CM ACROSS WITH 3 % FINE GRAIN GL IN MASSES ASSOC WITH PYRITE. GRAPHITIC "SHALEY"? INTERBEDS WITH PYRITE GL AND LIMONITE AT 39.93 - 39.95, 40.01 - 40.11, 40.29 - 40.35, 40.47 - 40.52 AT 70 DEG TO C.A.	81850 39.93 - 40.70	1.45	2.54	1.55	246		39.93	40.70	0.77	0.76	98.7
		Partially silicified grey dolostone/mudstone? crackle bx with tr gl along limonitic hairline fractures and tr py along fractures.	81851 40.70 - 41.35	0.20	0.34	0.40	68		40.70	41.35	0.65	0.61	93.8
		SILICIFIED DOLOSTONE/MUDSTONE with 3-5% gl assoc with limonitic hairline fractures. GL occurs as fine grain masses up to 1 cm across. Prominant fractures at 20 deg and 60 deg with 80 deg between fractures.	81852 41.35 - 41.63	0.71	1.42	1.50	16		41.35	41.62	0.28	0.25	89.3
41.62	42.00	OZ - 60 - 70 deg limonite replacement with 5 % pyrite and 1-3 % GL along fractures up to 3 mm wide. Minor rubble bx texture remaining.	81853 41.63 - 42.01	2.00	3.78	3.70	161		41.62	42.00	0.38	0.38	100.0
42.00	47.85	PALE GREEN GREY MUDSTONE CRACKLE BX QUARTZ CARBONATE FRACTURE FILLING MATRIX. With minor limonite. Trace to 1 % pyrite occurs with quartz fracture filling with trace GL. Prominant fracture direction at 40 % to c.a.	81854 42.01 - 43.60	0.03	0.05	0.12	12		42.00	43.59	1.59	1.37	86.2
			81855 43.60 - 45.12	0.05	0.08	0.33	6		43.59	45.11	1.52	1.33	87.5
		At 46.00 - 46.20 quartz vn 1 cm at 5 deg to c.a. 46.20 - 46.33 broken core with pyrite and GL along fractures. At 47.47 - GL "chicken wire" in 2 mm wide quartz-carb fracture at 40 deg to c.a.	81856 45.12 - 46.34	0.22	0.07	0.10	13		45.11	46.33	1.22	1.21	99.2
			81857 46.34 - 47.86	0.34	0.73	0.10	10		46.33	47.85	1.52	1.44	94.7

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-15 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
47.85	55.47	GZ - Light grey dolomitic mudstone crackle to mosaic bx. Quartz-carbonate, minor limonite matrix with 3 % - 5% chicken wire GL and TR - 1% GL.	81858 47.86 - 49.39	0.84	1.42	0.07	65		47.85	49.38	1.53	1.27	83.0
		AS ABOVE	81859 49.39 - 50.91	1.54	3.01	0.05	52		49.38	50.90	1.52	1.52	100.0
		Pale green-grey dolomitic mudstone mosaic-rubble bx. Qyartz carb limonite matrix with 3-5% chicken wire GL and trace to 1 % pyrite. Quartz occurs as fragments of broken vns up to 1 cm across.	81860 50.91 - 52.44	1.79	2.95	0.05	40		50.90	52.43	1.53	1.37	89.5
		AS ABOVE	81861 52.44 - 53.96	1.91	1.96	0.15	35		52.43	53.95	1.52	1.32	86.8
		AS ABOVE. With up to 3% py in fractures controlled masses up to 7 mm across. Weak foliation at 60 deg to c.a.	81862 53.96 - 55.48	2.08	2.69	0.23	86		53.95	55.47	1.52	1.35	88.8
55.47	56.96	Grey dolomitic mudstone rubble bx. Lithic fragments up to 15 cm across floating in a limonitic quartz earth clay brown matrix with trace - 1% finely disseminated pyrite and trace disseminated GL.	81863 55.48 - 56.97	0.14	0.14	0.53	92		55.47	56.96	1.49	1.41	94.6
56.96	58.36	Silicified grey dolomitic mudstone crackle bx. Highly silicified zones are bleached white with green specs, quartz carbonate fracture filling matrix.	81864 56.97 - 58.37	0.05	0.09	0.20	5		56.96	58.36	1.40	1.34	95.7
									58.36	58.52	0.16	0.16	100.0
58.36	61.53	Grey-pale green dolomitic mudstone crackle bx with quartz-carbonate fracture filling matrix. Minor limonite along fractures. Preferred fracture directions at 30 deg and 30 deg, 60 deg between fracture sets.							58.52	60.05	1.53	1.46	95.4
									60.05	61.53	1.48	1.40	94.6
61.53	62.79	Bleached Fe carb altered dolomitic mudstone rubble BX. Yellow limonite matrix. Dendritic pyrolucite along fractures.	81865 61.53 - 62.79	0.20	0.08	0.36	64		61.53	62.79	1.26	1.09	86.5
62.79	64.24	Silicified dolomitic mudstone crackle bx. As between 56.96 - 58.36 m with trace py and gl along fractures.	81866 62.79 - 64.24	0.66	1.43	0.75	10		62.79	64.24	1.45	1.36	93.8
64.24	65.21	GZ -Shaley dolostone crackle to mosaic bx silicified with quartz carb matrix containing 3-5% black sphalerite in vns with blebs of fine-med grain GL-1% and	81867 64.24 - 65.21	0.64	1.74	1.00	125		64.24	65.21	0.97	0.93	95.9

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-15 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		5% FINE GRAIN PYRITE FRAMBOIDS. bX CONTAINS FISSILE SHALE CLASTS. bROKEN CORE AND GOUGE AT 65.07 TO 65.21 AT 50 DEG TO C.A.											
65.21	66.71	Shaley dolostone/dolomitic shale contains quartz carbonate bx vnx with 5-10% pyrite in patches. Tr GL assoc with pyrite.	81868 65.21 - 66.79	0.09	0.11	0.11	54		65.21	66.79	1.58	1.58	100.0
66.71	70.87	PZ - Bleached grey white dolomitic shale? Contains 20-30% pyrite as fine disseminations and in fine grained fracture. White qz occurs in discontinuous stringers and patches up to 1 cm across. Tr wisps of epidote and tr dark green soft waxy specs - possibly sericite.	81869 66.79 - 68.22	0.06	0.05	0.02	45		66.79	68.22	1.43	1.37	95.8
		68.22 - 68.36 Black shale with 20% finely disseminated pyrite and 5% quartz eyes up to 5 mm across.	81870 68.22 - 68.36	0.07	0.03	0.02	35		68.22	68.36	0.14	0.14	100.0
		68.36 - 70.87 Silicified mudstone dolostone? rubble pseudo bx. Light grey silicified matrix with clasts of dark dolostone/shale with 5% fracture pyrite with tr assoc gl and trace finely disseminated pyrite in silicified matrix	81871 68.36 - 69.71	0.08	0.13	0.10	35		68.36	69.71	1.35	1.17	86.7
		69.71 - 69.85 Laminated massive 70 - 80% pyrite with shale lamination 1 mm wide at 65 deg to c.a. with tr gl	81872 69.71 - 69.85	0.73	1.00	0.34	320		69.71	69.85	0.14	0.14	100.0
		Silicified dolostone rubble bx as above.	81873 69.85 - 70.87	0.16	0.20	0.27	57		69.85	70.87	1.02	1.06	103.9
70.87	71.18	Limonite and Fe carb replaced silicified mudstone rubble bx - trace silicified fragments with finely disseminated pyrite. Vuggy core. 10% green brown clay gouge.	81874 70.87 - 71.18	0.16	0.11	1.10	69		70.87	71.18	0.31	0.28	90.3
71.18	72.15	Massive white quartz vn with later quartz carbonate fracture filling. Trace GL occurs with fracture filling.	81875 71.18 - 72.15	0.04	0.05	0.62	11		71.18	72.15	0.97	0.94	96.9
72.15	72.66	Mudstone rubble bx quartz-carb rubble bx matrix with orange yellow limonite and quartz patches. Dark fragments up to 5 mm across.	81876 72.15 - 72.66	0.03	0.07	0.36	7		72.15	72.66	0.51	0.46	90.2
72.66	75.29	Massive grey mudstone crackle bx hairline quartz carbonate limonite fracture filling matrix.	81877 72.66 - 73.76	0.02	0.03	0.90	5		72.66	73.76	1.10	1.09	99.1

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-15 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		END OF HOLE 75.29							73.76	75.29	1.53	1.44	94.1

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-16

AREA	NO.2 ZONE	SECTION	0+48.6 NW	DATE Started	06-17-88 (N)
CLAIM	HV 268	AZIMUTH (T)	218 Degrees	DATE Completed	06-19-88 (N)
GRID CO-ORDS Line		INCLINATION	-45 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	56.69m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35475.83	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15362.14	DEPTH Overburden	8.23m	CORE RECOVERY	77.8%
ELEVATION	1918.08m	VERT. COMP.	40.09m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	40.09m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-45	218	BRUNT				
56.69	-45	218	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	8.23	OVERBURDEN				
8.23	21.05	DOLOSTONE				
21.05	25.80	DAMPHI				
25.80	38.05	DOLOSTONE				
38.05	42.91	GZ/OZ	4.86	4.57	5.04	40.48
42.91	52.43	MUDSTONE Bx				
52.43	56.69	MUDSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
3.51	4.06	6.16	0.009	95.5%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-16 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	8.23	Overburden											
8.23	8.74	White quartz vein with limonite footwall. Very broken core.	81898 8.23 - 9.29	0.17	0.02	0.05	172		8.23	9.29	1.06	0.75	70.6
8.74	20.72	Mottled bleached partial Fe-carb replaced recrystalized dolostone pseudo bx. Light grey coarse recrystalized dolostone with "fragments" of dark med crystaline dolostone rimmed by red-orange Fe-carb. White quartz vns up to 1 cm wide at 30 deg to c.a. Styolites are irregular.							9.29	9.75	0.46	0.38	83.2
									9.75	11.28	1.53	1.47	96.1
		At 12.37 and 13.82 to 14.03 irregular oxidized pyrite band - possibly along styolites. Contains oxidized clasts up to 1.5 cm across. From 13.33 - 13.63 oxidized band with grey green mudstone clasts up to 3 cm across.							11.28	12.28	1.00	0.98	98.0
			81899 12.28 - 17.31	<0.01	0.02	0.04	23		12.28	14.33	2.05	1.75	85.4
									14.33	15.85	1.52	1.52	100.0
									15.85	16.61	0.76	0.76	100.0
		Dolostone as above with quartz wad vns at 25 deg to c.a. and limonite fracture filling 5 mm wide with tr gl.	81900 16.61 - 17.31	0.19	0.52	0.04	22		16.61	17.31	0.70	0.67	95.7
									17.31	17.37	0.06	0.06	100.0
		17.89 - 18.17 Broken core.							17.37	18.90	1.53	1.42	92.8
									18.90	20.42	1.52	1.43	94.1
20.72	21.05	Dolostone/ sandstone bx dolostone as above brecciated with sandstone matrix and minor black shale clasts. 1 cm wide black shale at upper and lower contacts at 80 deg (upper) and 75 deg (lower) to c.a.							20.42	21.05	0.63	0.62	98.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-16 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
21.05	25.80	Grey bleached recrystalized dolostone +-fossils contains dark brown gz carb wad? Breccia vns up to 3cm wide. Local band up to 8cm with poss amphipa to 3mm floatst											
			81901 21.05 - 22.38	<0.01	0.04	0.02	15		21.05	22.38	1.33	1.40	105.3
									22.38	23.47	1.09	1.05	96.3
		23.80 OXIDIZED PYRITIC STYOLITE AT 65 DEG TO C.A.							23.47	24.99	1.52	1.43	94.1
		25.56 - 25.64 amphipora up to 3 mm across - floatstone.							24.99	26.52	1.53	1.50	98.0
25.80	29.39	Grey dolostone mosaic to rubble bx. Red-orange and white carbonate and Fe carbonate matrix. Packstone bx.							26.52	27.12	0.60	0.60	100.0
		As above with tr gl and py along styolites at 60 deg to c.a.	81902 27.12 - 28.20	<0.01	0.04	0.03	24		27.12	28.20	1.08	1.08	100.0
									28.20	29.39	1.19	1.08	90.8
29.39	37.49	Mottled dark med crystaline and light coarse recrystalized dolostone cut by limonitic Fe carb vns with trace sphalerite and trace gl occurs along styolites. At 29.52 1.5 cm wide sphalerite patch at limonite siderite vn intersection. At 30.08 tr gl along styolite at 30deg to c.a. prominant fracture direction at 45 deg to c.a.	81903 29.39 - 31.09	<0.01	0.02	0.10	12		29.39	31.09	1.70	1.70	100.0
		As above At 31.41 trace-1% gl along styolite	81904 31.09 - 32.61	0.03	0.10	0.01	<5		31.09	32.61	1.52	1.44	94.7
		At 32.05 - 31.27 broken core 32.17 tr gl along styolite 33.08 - 33.91 Broken core.							32.61	34.14	1.53	1.53	100.0
		34.14 - 37.79 Broken core.							34.14	35.36	1.22	1.07	87.7
		35.36 - 37.79 very coarse recrystalized dolostone patches up to 20cm and red Fe-carb and hematite blebs 1cm across. 35.47 gravel wash.							35.36	36.58	1.22	0.58	47.5

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-16 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cd ppm	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		As above.	81905 36.58 - 37.49	<0.01	<0.01	0.09	5		36.58	37.49	0.91	0.70	76.9
37.49	38.10	Dolostone rubble bx Fe carb and limonite replacing dolostone and forming matrix. 2% hematite as stringers at 37.79 - 38.10	81906 37.49 - 38.05	0.55	0.67	1.15	101		37.49	38.10	0.56	0.46	82.1
38.10	41.78	GZ - Dark med crystaline dolostone mosaic bx. Highly fractured with 5% fine grain pyrite and hematite with 1% gl along fractures.	81816 38.05 - 38.67	1.81	1.87	2.53	173		38.10	38.62	0.57	0.57	100.0
		Fractured quartz vn with 5% limonite and trace diss gl blebs up to 3 mm across	81817 38.62 - 38.81	4.01	1.92	7.63	166	415	38.62	38.81	0.19	0.19	100.0
		Dark dolostone mosaic - rubble bx. Limonite fractures with 1% fracture controlled gl and 20% broken quartz patches.	81818 38.81 - 39.15	1.90	3.18	4.15	110	246	38.81	39.15	0.34	0.34	100.0
		High grade zone. Bleached Fe-carb replaced dolostone mosaic bx. Matrix of hairline carbonate and limonite fractures and 5% fine grained pyrite with 3% fine grain gl along fractures up to 7 mm wide. Black inorganic material also filling fractures up to 5 mm wide. 1% brown-red sphalerite as clots in the matrix up to 7 mm across.	81819 39.15 - 39.77	1.93	2.64	5.00	133	330	39.15	39.77	0.62	0.55	88.7
		Dark dolostone bx. Weakly bleached with 5% Fe-carb and fracture filling matrix as above with 1-3% pyrite and tr- 1% gl	81820 34.77 - 40.14	1.72	2.40	3.76	140	235	39.77	40.14	0.37	0.35	94.6
		Bleached Fe-carb replaced dolostone bx with minor graphitic shaley clasts. Matrix is shot through with 5% fine grained pyrite as irregular fractured masses up to 1.5 cm across. 3% fine med grain galena occurs as irregular masses up to 3 cm across or as matrix fracture fillings up to 5mm wide both with small 2-3 mm pyrite inclusions 5% very fine grain sphalerite occurs in patches or fracture fillings up to 4 cm across surrounding pyrite and galena patches. Sphalerite is brown-red in colour. Sulphide bearing fractures occur commonly at 80 deg and 60 deg to c.a. with 20 deg between fractures.	81821 40.14 - 40.96	3.24	4.03	7.43	261	442	40.14	40.96	0.82	0.82	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-16 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cd ppm	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		Massive sx approx 50 - 60 % sx. 40 - 50% fine brown red sphalerite with inclusions of 5 - 10 % fine grain fractured pyrite in masses up to 1 cm across and 10% fine-med grain galena in patches 1 cm x 3.5 cm elongated perpendicular to c.a. with pyrite inclusions 1-2 mm across. 3 - 5% black fine grain "metallic"? mineral assoc with gl and sl.	81822 40.96 - 41.07	6.58	10.30	21.30	317	1259	40.96	41.07	0.11	0.11	100.0
		Bleached Fe - carb replaced dolostone bx as between 40.14 - 40.96	81823 41.07 - 41.78	4.80	7.51	11.95	345	613	41.07	41.78	0.71	0.68	95.8
41.78	42.91	Oxide Zone - Orange red limonite replacement with 5 % apple green scoridite and minor grey white clay. Scoridite occurs near the top and near the bottom of the section.	81824 41.78 - 42.28	9.42	6.23	1.27	837	138	41.78	42.28	0.50	0.42	84.0
		Orange red limonite replacement with 12 cm wide fractured qz vn and blocky limonite (kassingerite?) 4 cm wide foot wall to vn.	81825 42.28 - 42.59	3.50	4.85	5.88	443	411	42.28	42.59	0.31	0.29	93.5
		Tan-brown limonite replaced 30% blocky limonite - kassingerite?	81826 42.59 - 42.91	0.61	0.79	5.55	217		42.59	42.91	0.32	0.32	100.0
42.91	44.52	Limonitic pale green grey mudstone rubble bx with 20% orange-tan limonite plus Fe carb contains 5 - 10% white quartz patches up to 1 cm across.	81827 42.91 - 43.87	0.04	0.07	2.65	12		42.91	43.87	0.96	0.96	100.0
		As above (1-3% open fracture space fracture filling sphalerite - after splitting)	81828 43.87 - 44.52	0.08	0.15	3.95	10		43.87	44.52	0.65	0.65	100.0
44.52	50.97	Pale green grey silicified mudstone mosaic bx. quartz carbonate fracture filling matrix. Matrix vns hairline to 5 mm wide with minor limonit. Minor quartz vns up to 1 cm wide at 50 deg to c.a. Tr gl along fractures	81889 44.52 - 45.87	0.50	0.38	0.93	9		44.52	45.87	1.35	1.17	86.7
			81890 45.87 - 47.40	2.76	2.25	0.92	13		45.87	47.40	1.53	1.50	98.0
			81891 47.40 - 49.07	0.08	0.07	1.17	6		47.40	49.07	1.67	1.51	90.4
		Grey green mudstone as above with stronger brecciation to rubble bx with 10-15% limonite in the quartz carbonate fracture filled matrix trace gl occurs in matrix.	81892 49.07 - 50.97	0.06	0.08	1.13	<5		49.07	50.97	1.90	1.86	97.9
50.97	52.43	OZ - Mudstone rubble bx. 50-70% limonite replacement with local dark mudstone. Local unreplaced mudstone contains 1-3 % fine grain gl Broken core and gouge.	81893 50.97 - 52.43	0.23	0.31	0.56	126		50.97	52.43	1.46	0.49	33.6

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-16 PROPERTY KETZA

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
52.43	56.69	Dark mudstone cut by minor quartz carbonate vns up to 5mm wide broken core	81894 52.43 - 53.17	0.09	0.23	0.06	15		52.43	53.17	0.74	0.71	95.9
		White quartz vns 2cm - 6cm wide at 30 deg to c.a. with limonitic hanging walls and disseminated gl in footwalls. Tr - 1% gl	81895 53.17 - 53.67	0.19	0.40	0.05	65		53.17	53.67	0.50	0.44	88.0
		Dark mudstone as above	81896 53.67 - 54.22	0.02	0.03	0.02	5		53.67	54.22	0.55	0.54	98.2
		Massive white quartz vn at 54.22 - 54.44 at 30 deg to c.a. and 1.5 cm wide quartz vn at 55.03	81897 54.22 - 55.17	0.01	0.03	0.02	7		54.22	55.17	0.95	0.78	82.1
									55.17	56.69	1.52	1.31	86.2
		END OF HOLE 56.69 TOTAL RECOVERY 77.8%											77.8

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-17

AREA	NO.2 ZONE	SECTION	0+48.6 NW	DATE Started	06-20-88
CLAIM	HV 268	AZIMUTH (T)	218 Degrees	DATE Completed	06-21-88
GRID CO-ORDS Line		INCLINATION	-65 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	59.74m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35476.55	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15362.55	DEPTH Overburden	6.86m	CORE RECOVERY	89.0%
ELEVATION	1917.82m	VERT. COMP.	53.17m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	27.16m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-65	218	BRUNT				
57.91	-61	218	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	6.86	OVERBURDEN				
6.86	45.11	DAMPHI				
45.11	48.95	OZ	3.84	3.45	4.21	47.03
48.95	59.74	MUDSTONE BRECCIA				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.65	2.55	1.32	0.004	99.2%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-17 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	6.86	OVERBURDEN											
6.86	8.87	Mottled dark med crystaline dolostone and light coarse dolostone. Contains 3-5% orange red Fe-carb associated with recrystalized dolostone. Hairline styolites contain hematite and trace pyrite. Discontinuous quartz stringers up to 5 mm wide occur parallel to c.a. Styolites at 20 deg to c.a..							6.86	8.23	1.37	1.19	86.9
									8.23	8.87	0.64	0.61	95.3
8.87	9.62	Light grey green clay mudstone bx Spongy limonite and hematite matrix - 40% oxides. Foliated to 50 deg to ca.	81907 8.87 - 9.62	0.03	0.02	0.05	32		8.87	9.62	0.75	0.38	50.7
9.62	11.35	Light grey recrystalized dolostone contains minor orange red fe-carb and dark med crystaline dolostone. Prominant fracture direction at 30 deg to ca. Styolites at 20 deg to ca. but erratic.							9.62	9.75	0.13	0.13	100.0
									9.75	11.28	1.53	1.49	97.4
									11.28	11.35	0.07	0.07	100.0
11.35	11.95	Dolostone as above - rubble bx 60 - 70 % limonite forming matrix with trace to 1 % pyrite in fine grain blebs up to 7mm across	81908 11.35 - 11.95	0.97	0.05	6.10	363		11.35	11.95	0.60	0.60	100.0
			18940 9.75 - 11.35	0.01	<0.01	0.01	12		9.75	11.35	1.60	1.50	93.8
			18939 11.95 - 13.45	0.03	0.02	0.02	14		13.45	11.95	1.50	1.34	89.3
11.95	17.37	Mottled dark med crystaline dolostone +- fossiliferous. Contains 20 - 30 % light grey recrystalized dolostone in patches up to 1 cm across and vns up to 7 mm wide. Cut by dark brown calcite and wad? vns 1-3 mm wide at 15 - 20 deg toca. Hairline to 1 mm styolites contain hematite and trace pyrite at 5 deg to ca. Possible 5% amphipora up to 3 mm across.							11.95	12.80	0.85	0.72	84.7
									12.80	14.32	1.52	1.24	100.0
									14.32	15.85	1.53	1.17	76.5

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-17 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		16.30 - 16.98 Broken core.							15.85	17.37	1.52	1.24	81.6
17.37	19.51	Mottled dark med crystaline and light recrystalized stromatopora?dolostone Preferential recrystalization of stroms making internal structures indistinct. Psuedo brecciated by orange Fe-carb and white carbonate vns up to 1 cm wide and							17.37	18.90	1.53	1.53	100.0
		patches up to 5 cm across. 10 - 15 % Fe carb.							18.90	20.42	1.53	1.42	92.8
19.51	21.72	Dark med crystaline dolostone/light recrystalized dolostone psuedo bx. Dark dolostone "fragments" up to 2 cm across in white coarse recrystalized dolostone with 1-3% Fe-carb as stringers. Earlier quartz vns are broken by recrystalization											
		20.47 - 20.69 Hematite and wad stained styolite bx. Oxidized pyrite in 2 cm ribbon along styolites.							20.42	21.95	1.53	1.30	85.0
21.72	24.21	Dark med crystaline mixed amphipora and stromatopora dolostone. Contains approx 15% amphipora up to 5 mm across in dark dolostone matrix between bulbous							21.95	23.49	1.52	1.02	67.1
		stromatopora 4 cm across. Quartz vns 3-5 mm wide at 40 deg to ca. and styolites at 40 deg 80 deg between vns and styolites.							23.47	23.88	0.41	0.36	87.8
		Dolostone as above but bleached and carbonate replaced. Cut by dark brown wad? and calcite vns.	81909 23.88 - 24.21	0.02	0.02	0.60	9		23.88	24.21	0.33	0.30	90.9
24.21	24.64	Grey green clay mudstone. Contains 1 % limonite in 3 mm bands parallel to ca. and parallel to foliation at 30 deg to ca.	81910 24.21 - 24.64	0.03	0.03	0.08	13		24.21	24.64	0.43	0.41	95.3
24.64	25.32	Bleached recrystalized dolostone psuedo bx with trace remnant amphipora and stromatopora.	81811 24.64 - 25.32	<0.01	0.02	0.02	<5		24.64	25.32	0.68	0.68	100.0
25.32	38.07	Dark med crystaline amphipora +- stachyodes? dolostone float stone with 10-15 % amphipora up to 5 mm across mixed with +- 5% stachyodes up to 1 cm across.							25.32	26.52	1.20	0.95	79.2
		27.02 - 27.45 1.5 cm wide qz vn at 15 deg to ca.							26.52	28.04	1.52	1.30	85.5
		29.30 - 29.85 quartz veins up to 1 cm wide, 2 cm apart at 25 deg to ca.							28.04	29.57	1.53	1.50	98.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-17 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
									29.57	31.09	1.52	1.37	90.1
									31.09	32.61	1.52	1.45	95.4
		29.90 - 30.30 qz vn 1.5 cm wide at 36 deg to ca.							32.61	34.14	1.53	1.42	92.8
		31.42 - 31.72 minor bx by carbonate vns up to 2 cm across Carbonaceous styolites at 15 deg to ca.							34.14	36.66	1.52	1.52	100.0
		32.71 - 33.18 white carbonate matrix to replacement mosaic bx							35.66	37.19	1.53	1.53	100.0
		34.57 - 35.07 brecciated bx dark brown carbonate and wad 36.26 - 36.31 20% amphipora-floatstone up to 5 mm across							37.19	38.71	1.52	1.46	96.1
38.07	39.14	Dark med-fine crystaline amphipora dolostone rubble bx. Fragments of amphipora dolostone as above in a coarse recrystalized dolomite-carbonate +- fe carb and limonite matrix.							38.71	40.23	1.52	1.44	94.7
39.14	40.15	Dark med-fine dolostone crackle mosaic bx brecciated by white calcite and dolomite. Discontinuous vnlets with minor fe carb as well as coarse recrystalized dolostone psuedo bx vns up to 1 cm wide. Later vns of very coarse carbonate rhombs up to 1 cm across in a dark brown calcite matrix occur at 20 deg to ca. but are faulted off along fractures at 55 deg to ca. (35 deg between vns and faults)											
40.15	42.34	Dark fine med crystaline dolostone and shale bx. Heterolithic rubble bx ina matrix of coarse white recrystalized dolostone vns up to 1 cm wide. Finely laminated Shale clasts and dolostone clasts are probably dolomitized muds. At 41.44 3 cm shale interbed foliated at 68 deg to ca.							40.23	41.76	1.53	1.31	85.6
									41.76	43.28	1.52	1.24	81.6
42.34	42.76	Black brown shale contains minor dolomitic interbed foliation at 75 deg to ca.											
42.26	45.11	Shaly dark fine crystaline dolostone cut by carbonate fracture filling vnlets up to 1 mm wide with tr limonite.							43.28	43.89	0.61	0.32	52.5

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-17 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		43.28 - 45.11 Broken core.											
			18941 43.89 - 45.11	0.06	<0.01	0.08		<0.01	43.89	45.11	1.22	0.50	41.0
45.11	46.94	Dark fine crystaline dolostone crackle bx quartz carbonate fracture filling matrix cut by later quartz wad vns up to 1 cm wide at 30 deg to ca. Contains tr oxidized pyrite up to 5 mm across. Broken core.	81878 45.11 - 46.94	3.65	3.67	0.10	44		45.11	46.94	1.83	1.83	100.0
46.94	48.95	OZ - LIMONITE FE CARB AND WAD REPLACED RUBBLE BX. MINOR BLACK DOLOSTONE FRAGMENTS AND QUARTZ PATCHES 5 MM TO 2 CM ACROSS. BROKEN CORE.	81879 46.94 - 47.59	0.61	0.57	0.29	117		46.94	47.59	0.65	0.62	95.4
		Limonite fe carb replaced rubble bx with minor wad along hairline blocky fractures. Trace gl occurs in clots associated with 1 % oxidezed pyrite patches up to 1.5 cm across.	81880 47.59 - 48.95	2.27	1.99	3.44	267		47.59	48.95	1.36	1.36	100.0
48.95	51.06	Buff-grey-tan fe carb altered mosaic-rubble bx dolostone/mudstone? 1-3% pyrite occurs as disseminated cubes up to 1 mm across and in fracture controlled oxidized stringers contains approx 15 % limonite	81881 48.95 - 50.19	0.32	0.32	1.11	30		48.95	50.19	1.24	1.18	95.2
		Rubble bx as above with 50 - 60 % limonite, no visible sx	81882 50.19 - 50.54	0.38	0.33	1.34	138		50.19	50.54	0.35	0.32	91.4
		Grey tan mudstone mosaic bx limonite Fe-carb? altered with coarse quartz carbonate fracture filling. 5% oxidized pyrite occurs along fractures in coarse masses up to 1.5 cm across.	81883 50.54 - 51.06	0.49	0.48	0.79	176		50.54	51.06	0.52	0.51	98.1
51.06	56.19	Grey pale green mudstone mosaic to rubble bx. Variably silicified fragments. Matrix is comprised of quartz carbonate fracture filling vns with minor limonite. Trace py, gl and sp occuring locally in the matrix.											
		Contains trace to 1% oxidized pyrite in the matrix	81884 51.06 - 52.43	0.05	0.03	0.45	17		51.06	52.43	1.37	1.27	92.7
		1% chicken wire gl + black sp in the matrix from 52.66 - 52.96	81885 52.43 - 53.95	0.07	0.19	0.38	5		52.43	53.95	1.52	1.51	99.3
		53.95 - 54.61 mosaic to rubble bx with 20% quartz carbonate matrix. 54.82 - 54.89 1% chicken wire gl + black sp	81886 53.95 - 55.47	<0.01	0.03	0.77	8		53.95	55.47	1.52	1.36	89.5
		Mosaic to rubble bx with 20% limonite in the matrix tr 1% oxidized pyrite blebs along fractures at 30 deg to ca. at 55.69 and 56.21 m	81887 55.47 - 56.49	0.03	0.05	0.67	22		55.47	56.49	1.02	1.02	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-17 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
56.49	59.74	Dark grey mudstone rubble bx 30 - 40 % matrix. Matrix is composed of dull earthy clays with minor quartz, carbonate and limonite.	81888 56.49 - 57.50	0.02	0.03	0.26	6		56.49	57.50	1.01	1.01	100.0
									57.50	58.52	1.02	0.91	89.2
		59.12 - 59.24 gouge							58.52	59.74	1.22	0.98	80.3
		END OF HOLE 59.74 TOTAL RECOVERY - 89.0% NO. 2 ZONE RECOVERY 45.11 - 48.95m=99.2%											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJEC **D.D.H.** YM88-18

AREA	NO.2 ZONE	SECTION	0+23.5 NW	DATE Started	06-21-88 (D)
CLAIM	HV 268	AZIMUTH (T)	218 Degrees	DATE Completed	06-22-88 (D)
GRID CO-ORDS Line		INCLINATION	-55 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	39.93m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35458.92	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15380.63	DEPTH Overburden	6.10m	CORE RECOVERY	87.2%
ELEVATION	1913.38m	VERT. COMP.	32.29m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	23.46m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-55	218	BRUNT				
39.93	-53	218	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	6.10	OVERBURDEN				
6.10	31.09	D (F)				
31.09	34.86	OZ/GZ	3.77	3.16	3.36	32.98
34.86	39.93	DOLOSTONE Bx				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
5.18	9.15	2.32	0.011	90.5%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-18 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	6.10	OVERBURDEN											
6.10	7.62	Mottled grey and dark dolostone. Partially recrystalized dolostone and dark med grain dolostone cut by white carbonate vn up to 7mm wide w minor red Fe carb.							6.10	7.04	0.94	0.78	83.0
		Dolostone as above with two massive white yellow quartz carb vns. Broken core.	81940 7.04 - 7.62	0.04	0.03	0.05	<5		7.04	7.62	0.58	0.35	60.3
7.62	8.33	Grey phyllite with 20 % coarse recrystalized dolostone in patches up to 10 cm across and vns up to 1 cm across. Foliated at approx 30 deg ? to ca. Foliation is controlled.							7.62	9.14	1.52	1.31	86.2
8.33	9.14	Grey med crystaline dolostone. Carbonaceous styolites in broken core. Minor coarse white-grey recrystalized dolostone.											
9.14	9.75	Grey phyllite; contains 20% coarse recrystalized dolostone foliated at 40 deg to ca.							9.14	9.75	0.61	0.47	77.0
9.75	10.15	Brown tan siltstone/phyllite? contains trace green pinhead sercite spots. Prominant fracture directions @15deg and 40deg to c.a. (25 deg between fractures)							9.75	11.28	1.53	1.40	91.5
10.15	10.76	Grey med crystaline dolostone with minor Fe-carb assoc with local spots of recrystaization. Upper contact defined by 2 cm wide white quartz vn at 40 deg to ca.							11.28	12.80	1.52	1.52	100.0
10.76	14.69	Tan brown siltstone/phyllite; contains trace green pinhead serecite spots and calcite occurs along fractures @40 deg to c.a. Weak foliation @50 deg c.a. trends downwards to grey phyllite down section. Foliation @33 deg to c.a.							12.80	14.33	1.53	1.35	88.2
14.69	17.37	Dark med crystaline dolostone +- fossiliferous; 14.82 - 15.24 50% grey-tan phyllite. Contact parallel to ca.							14.33	15.85	1.52	1.38	90.8
		15.24 - 15.65 hematitic and recrystalized 15.65 - 16.35 contains 10% amphipora up to 5 mm across-floatstone 16.02 - 16.35 contains 30% bulbous stroms? up to 5 cm across-floatstone							15.85	17.37	1.52	1.31	86.2
		16.35 - 16.41 tan green phyllite with foliation at 30 deg to ca. 16.41 - 16.83 grey recrystalized dolostone 16.83 - 16.96 dark med crystaline amphipora dolostone 20% amphipora up to 3mm											

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-18 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
17.37	19.88	Grey recrystalized dolostone mosaic bx brecciated by carbonate limonite vnlets. 18.00 - 18.15 Broken gravely core.							17.37	18.90	1.53	1.53	100.0
		18.23 - 18.48 White quartz vn 6 cm wide with 9cm wide yellow white carbonate margins							18.90	20.42	1.52	1.35	88.8
		19.67 - 19.88 Broken core. Minor sericitic phyllite											
19.88	20.21	Grey tan phyllite foliated at 35 deg to ca.											
20.21	21.61	Grey recrystalized dolostone as between 17.37 - 19.88							20.42	21.95	1.53	1.22	79.7
		20.62 - 20.69 - contorted silt/phyllite interbed 3 cm wide.											
21.61	24.86	Grey phyllite 21.77 - 22.20 phyllite fault rubble with 30% quartz fragments up to 1.5 cm across.							21.95	23.47	1.52	1.37	90.1
		22.20 - 24.86 foliated at 5deg to ca. with 1 cm wide recrystalized dolomitic interbeds and 2 mm hematitic lamellae.							23.47	24.99	1.52	1.33	87.5
24.86	31.87	Grey recrystalized dolostone mosaic-rubble bx; coarse grained partially bleached dolstone becciated by limonitic carbonate fracture filling with tr py. Minor white quartz vns up to 5 mm across occur at 30 deg to ca.											
			81951 24.99 - 26.52	0.01	0.02	0.06	19		24.99	26.52	1.53	1.44	94.1
		At 27.73 - 27.78 grey brown limonitic phyllite interbed foliated at 60 deg to ca.	81952 26.52 - 28.04	0.01	0.05	0.08	34		26.52	28.04	1.52	1.45	95.4
		28.04 - 28.44 Broken core 28.68 - 29.03 Broken core 29.37 - 29.57 Broken core 29.57 - 31.09 Rubble bx	81953 28.04 - 29.57	0.01	0.01	0.21	44		28.04	29.57	1.53	1.37	89.5
			81954 29.57 - 31.09	0.01	0.01	0.74	21		29.57	31.09	1.52	1.45	95.4
		Bleached limonitic dolostone mosaic to rubble bx limonite and fe-carb replaced dolostone cut by broken Fe-carb vns parallel to ca. and at 35 deg to	81929 31.09 - 31.87	1.15	0.68	1.01	34		31.09	31.87	0.78	0.78	100.0
31.87	32.91	ca. minor broken white quartz vns occur at 50 deg to ca. contains 20-30% limonite 100% limonite replacement. No visible sx.	81930 31.87 - 32.91	5.42	8.80	7.17	318		31.87	32.91	1.04	0.98	94.2

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-18 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
32.91	33.74	Grey clay gouge with 5% limonite and broken quartz up to 2 cm across. No visible sx.	81931 32.91 - 33.74	8.72	17.20	0.18	544		32.91	33.74	0.83	0.54	65.1
33.74	34.22	OZ - Limonite replacement with 30 % grey black clay gouge	81932 33.74 - 34.22	9.73	17.40	0.17	616		33.74	34.22	0.48	0.47	97.9
34.22	34.86	GZ - Bleached limonitic dolostone rubble bx; limonite and fe carb matrix with 10-15% fine grain pyrite as stringers in the matrix with 3-5% fine grain GL assoc with pyrite.	81933 34.22 34.86	1.69	3.44	0.44	347		34.22	34.86	0.64	0.64	100.0
34.86	35.24	Grey silicified dolostone rubble bx; dolostone contains tr 1% finely disseminated pyrite. Limonite fe-carb matrix contains 10-15 % pyrite concentrated along fractures at 20deg to ca. Trace GL associated with fracture controlled pyrite.	81934 34.86 - 35.24	0.49	0.60	0.16	454		38.86	35.24	0.38	0.38	100.0
35.24	36.58	OZ - Limonite replaced silicified dolostone rubble bx.											
		Contains 20 % silicified dolostone fragments with tr - 1% finely diseminated pyrite in fragments 1% coarse framboids of pyrite occur along fractures at 20 deg to ca. Tr GL occurs with fracture control py.	81935 35.24 - 36.31	0.16	0.14	0.13	179		35.24	36.31	1.07	0.91	85.0
		80 90 % limonite replacement. No visible sx	81936 36.31 - 36.59	0.26	0.13	0.56	269		36.31	36.59	0.28	0.28	100.0
36.58	39.93	Pale grey green muddy fine dolostone mosaic bx. 10 - 20 % Fe-carb-limonite matrix. No visible sx.	81937 36.59 - 37.19	0.12	0.09	0.23	16		36.58	37.19	0.60	0.58	96.7
		As above 37.79 - 38.40 Broken core.	81938 37.19 - 38.40	0.05	0.05	0.05	9		37.19	38.40	1.21	0.83	68.6
		As above with white quartz vns up to 1 cm wide parallel to ca.	81939 38.40 - 39.93	0.02	0.03	0.74	<5		38.40	39.93	1.53	1.42	92.8
		END OF HOLE 39.93 TOTAL RECOVERY											87.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT | **D.D.H.** YM88-19 | Page 1 of 6

AREA	NO.2 ZONE	SECTION	0+23.5N	DATE Started	06-22-88 (N)
CLAIM	HV 268	AZIMUTH (T)	218 Degrees	DATE Completed	06-23-88 (D)
GRID CO-ORDS Line		INCLINATION	-85 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	58.52m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35459.83	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15381.28	DEPTH Overburden	4.27m	CORE RECOVERY	94.2%
ELEVATION	1913.41m	VERT. COMP.	58.38m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	3.83m		

COMMENTS: HOLE APPARENTLY STOPPED SHORT OF NO.2 ZONE.

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-85	218	BRUNT				
58.52	-87.5	218	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	4.27	OVERBURDEN				
4.27	6.71	DOLOSTONE				
6.71	6.89	OZ	0.18			
6.89	41.33	D (F)				
41.33	41.54	OZ	0.21			
41.54	58.52	D (F)				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
4.93	6.70	0.03	910	88.99%
1.11	1.13	9.95	479	95.2%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-19 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0	4.27	OVERBURDEN											
4.27	6.71	MOTTLED DARK MED CRYSTALINE & GREY RECRYSTALIZED DOLOSTONE. Grey recrystalized patches in dark med crystaline "matrix". Contains 3-5% fe carbonate assoc. with recrystalization. At 4.69m minor black shale clasts along upper contact of 3 cm wide white quartz vein at 25 dgrs to c.a. Second parallel vn 1.5 cm wide at 4.94 m. A 7 mm wide white qz vn splits from the two other vns and is parallel to c.a.							4.27	5.49	1.22	1.21	99.2
		DOLOSTONE AS ABOVE	81955	<0.01	0.01	0.01	6		5.49	6.71	1.22	1.21	99.2
		6.24 - 6.37 grey mudstone interbed foliated at 43 dgrs to c.a.	5.47-6.71										
6.71	6.89	OZ; LIMONITE With 1% fine gl in blebs up to 3 mm across. Limonite band is 2 cm wide cutting grey mudstones at 50 degrees to c.a.	81956 6.71-6.89	49.00	6.70	0.03	910		6.71	6.89	0.18	0.16	88.9
6.89	10.39	MOTTLED DOLOSTONE PSUEDO BX Dark med crystaline dolostone "clasts" in coarse grey recrystalized dolostone. Contains 3-5% fe carbonate assoc with recrystalized dolostone.	81957 6.89-7.64	0.77	0.96	0.01	156		6.89	7.64	0.75	0.72	96.0
		6.89 - 8.23 contains minor grey mud clasts.											
									7.64	8.23	0.59	0.59	100.0
									8.23	9.75	1.52	1.39	91.4
10.39	17.60	GREY RECRYSTALIZED DOLOSTONE +/- fossiliferous with grey coarse dolostone with styolites at 65 dgrs to c.a.							9.75	11.28	1.53	1.41	92.2
		12.05 - 12.27 fossiliferous possibly 30% bulbous stroms.							11.28	12.80	1.52	1.46	96.1
									12.80	14.33	1.53	1.49	97.4
									14.33	15.85	1.52	1.48	97.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-19 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		15.85 - 16.44 fossiliferous light grey recrystalized bulbous stroms. 16.14 - 16.69 grey black mudstone.							15.85	17.37	1.52	1.52	100.0
		PARTIALLY DOLOMITIZED, PARTIAL FE CARB REPLACEMENT 1 cm shaley layer at lower contact Foliation and lower contact at 40 dgrs to c.a.											
		17.15 - 17.18 Quartz vein @25 deg to c.a. w carbonate Tr. serilite occurs along margins.							17.37	17.60	0.23	0.23	100.0
17.60	18.35	WHITE MILKY QUARTZ VNS With tr-1% disseminated pyrite in cubes up to 3mm across with trace cp up to 3mm across. Minor malachite stain along fract.in quartz vn. Vns occur at 10 dgrs to	81958 17.60 - 18.35	0.12	0.05	0.01	37		17.60	18.35	0.75	0.75	100.0
18.35	34.44	GREY RECRYSTALIZED DOLOSTONE Contains minor psuedo breccia fragments of dark med crystaline dolostone with possible amphipora. Contains 1-5% fe carbonate. Styolites occur at 68 to							18.90	20.42	1.52	1.48	94.7
		c.a. Quartz vns occur at 25 and 30 dgrs to c.a. with 55 dgrs between veins.							20.42	21.95	1.53	1.31	85.6
		21.95 - 24.99 as above with 3-5% salmon coloured fe - carbonate and 30-40% dark dolostone psuedo bx "fragments".							21.95	23.47	1.52	1.52	100.0
									23.47	24.99	1.52	1.39	91.4
									24.99	26.52	1.53	1.31	85.6
									26.52	28.04	1.52	1.39	91.4
		28.04 - 29.57 crackle bx with fractures parallel to c.a.							28.04	29.56	1.52	1.53	100.0
									29.56	30.17	0.61	0.59	93.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH ym88-19 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		CUT BY LIMONITIC FAULT RUBBLE BX 1.5 cm wide at 15 degrees to c.a. broken core.	81959 30.17 - 30.81	<0.01	0.01	0.03	10		31.17	30.81	0.64	0.64	100.0
									30.81	31.09	0.28	0.26	92.9
		QZ VNS Up to 1 cm wide at 45 dgrs to c.a.							31.09	32.61	1.52	1.52	100.0
									32.61	33.29	0.68	0.68	100.0
		LIMONITE GOUGE ALONG FRACTURE From 33.37 to 33.40 and 34.07 - 34.14 at 45 dgrs to c.a.	81960 33.29 - 34.14	0.02	0.01	0.01	23		33.29	34.14	0.85	0.73	85.9
									34.14	35.66	1.52	1.34	88.2
34.44	41.33	DARK MED CRYSTALINE AMPHIPORA DOLOSTONE CRACKLE BRECCIA Contains local bands up to 10 cm wide of 40% amphipora. Floatstone up to 5							35.66	37.19	1.53	1.65	107.8
		mm across cut by white quartz vn up to 5 mm wide occuring preferentially at 40 dgrs to c.a. Styolites occur preferentially at 40 dgrs to c.a. Styolites occur at 20 dgrs c.a. (20 dgrs between vns and styolites) Minor local recrystalization.							37.19	38.71	1.52	1.40	92.1
		37.19 - 37.25 Possible stacyodes up 1.5 cm across. 38.60 - 38.71 Carbonaceous styolite.											
									38.71	39.93	1.22	1.01	82.8
		40.20 - 40.61 Brown silty dolostone interbed.											
		40.55 - 40.95 30% quartz; broken viens.							39.93	41.33	1.40	1.21	86.4
			18942 39.93 - 41.33	0.04	0.08	0.24		<0.01	39.93	41.33	1.40	1.20	86.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-19 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
41.33	41.54	LIMONITE REPLACEMENT-OZ Contains limonite gouge with tr disseminated pinhead size gl and minor quartz fragments up to 1 cm across.	81961 41.33 - 41.54	1.11	1.13	9.95	479		41.33	41.54	0.21	0.20	95.2
41.54	42.20	DARK MED CRYSTALINE DOLOSTONE MOSAIC BX 15-20% matrix of clay, carbonate, and quartz with 3% limonite. Trace gl occurs in matrix.	81962 41.54 - 42.20	0.14	0.12	2.62	22		41.54	42.20	0.66	0.62	93.9
42.20	42.70	WHITE BULL QUARTZ VN Lower contact at 20 dgrs to c.a.	81963 42.20 - 42.70	0.02	0.01	0.14	6		42.20	42.70	0.50	0.43	86.0
42.70	43.97	DARK MED CRYSTALINE AMPHIPORA DOLOSTONE As between 34.44 - 41.33 with 15% quartz vns up to 1 cm wide.	81964 42.70 - 43.97	0.01	0.02	0.09	8		42.70	43.97	1.27	1.12	88.2
43.97	57.32	BLEACHED GREY CREAM COARSE RECRYSTALIZED DOLOSTONE Contains up to 5% dark med crystaline dolostone with possible amphipora cut by coarse carbonate vns up to 1 cm wide at 50 dgrs to c.a. Parallel to styolites. Minor white quartz vns at 15 dgrs to c.a.							43.97	44.65	0.68	0.62	91.2
									44.65	46.18	1.53	1.51	98.7
									46.18	47.70	1.52	1.41	92.8
									47.70	49.23	1.53	1.53	100.0
									49.23	50.75	1.52	1.52	100.0
		51.47 tr gl along fracture at 35 dgrs to c.a.	81965 50.75 - 52.27	0.01	0.03	0.02	8		50.75	52.27	1.52	1.52	100.0
		52.04 tr gl along fracture parallel to c.a.	81966 52.27 - 53.80	0.04	0.09	0.02	6		52.57	53.80	1.53	1.49	97.4
		55.26 - 55.74 two white quarz vns with carbonate margins at 40 dgrs to c.a.							53.80	55.47	1.67	1.48	88.6
		55.47 - 56.32 convoluted "banding". 2 cm bands. Bands parallel to c.a.							55.47	57.00	1.53	1.53	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-19 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
57.32	58.52	DOLOSTONE MAOSAIC BX As above with hematitic fracture filling matrix and tr gl. Contains 3% broken quartz.	81967 57.00 - 58.52	0.05	0.10	0.03	<5		57.00	58.52	1.52	1.52	100.0
		EOH 58.52 TOTAL RECOVERY											94.2%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-20

AREA	NO.2 ZONE	SECTION	0+00	DATE Started	06-23-88 (N)
CLAIM	VER 1	AZIMUTH (T)	218 Degrees	DATE Completed	06-24-88 (D)
GRID CO-ORDS Line		INCLINATION	-65 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	63.09m	LOGGED BY	B. LAIRD
SURVEY CO-ORDS Northing	35458.82	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15410.37	DEPTH Overburden	5.49m	CORE RECOVERY	92.2%
ELEVATION	1913.16m	VERT. COMP.	56.94m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	27.16m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-65	218	BRUNT				
63.09	-64	218	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	5.49	OVERBURDEN				
5.49	15.02	D (F)				
15.02	17.13	OZ - C VEIN	2.11	0.76	0.76	16.08
17.13	41.00	DOLOSTONE				
41.00	41.38	OZ	0.38			
41.38	55.29	DOLOSTONE Bx				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.11	2.76	0.37	0.042	92.9%
1.06	1.60	0.33	0.013	100%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY: KETZA PROJECT | D.D.H.: YM88-20 |

AREA

CLAIM

GRID CO-ORDS: Line / Station

SURVEY CO-ORDS: Northing / Easting

ELEVATION

STICK UP

COMMENTS

SECTION

AZIMUTH (T)

INCLINATION

DEPTH: Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE: Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
55.29	59.28	OZ - NO.2	3.99	2.87	3.05	57.29
59.28	63.09	DOLOSTONE Bx				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.04	1.37	4.24	0.003	86.5%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-20 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	5.49	OVERBURDEN											
5.49	8.23	QZ/VZ Pale grey-green coarse recrystalized dolostone contains 30% quartz in vn up to 3cm wide at 20deg to CA. Vns contain 1% pyrite in blebs up to 5mm across and TR-1% GL in blebs 1 cm across +/- tetrahedrite vns with hairline sericitic margins. Vning less frequent downsection.	81968 5.49 - 6.40	0.12	0.11	0.14	12		5.49	6.40	0.91	0.91	100.0
			81969 6.40 - 8.23	0.13	0.14	0.12	14		6.40	8.23	1.83	1.83	100.0
8.23	15.02	PALE GREY RECRYSTALIZED DOLOSTONE As above but lacks qz vns. Styolites occur at 15 degrees and 35 degrees to c.a. 12.68 - 12.92 barren white qz vn. Tr py along lower contact.							8.23	9.75	1.52	1.39	91.4
									9.75	11.28	1.53	1.95	94.8
									11.28	12.80	1.52	1.38	90.8
									12.80	14.33	1.53	1.25	81.7
		DEAD SAMPLE: Broken core from 14.56 to 14.85.	81970 14.33 - 15.02	0.03	0.02	0.05	15		14.33	15.02	0.69	0.68	98.6
15.02	15.37	QZ/LIMONITE GOUGE - "C" VEIN With tr diss gl in blebs up to 5 mm across. Lower contact at 15 dgrs - 20 dgrs to c.a.	81971 15.02 - 15.37	6.47	8.00	0.41	2220		15.02	15.37	0.35	0.30	85.7
15.37	15.85	GREY RECRYSTALIZED DOLOSTONE As between 8.23 - 15.02 with tr gl along limonite fractures subparallel to c.a.	81972 15.37 - 15.85	0.25	0.32	0.26	60		15.37	15.85	0.48	0.42	87.5
15.85	17.13	QZ/ORANGE LIMINOTE GOUGE With dark brown convoluted calcareous bands and 1% broken quartz vn. Contains trace to 1% gl in disseminated blebs.	81973 15.85 - 17.13	1.62	2.24	0.40	1689		15.85	17.13	1.28	1.24	96.9
17.13	18.17	PALE GREY RECRYSTALIZED DOLOSTONE As between 15.37 - 15.85 with minor quartz and carbonate vns at 15 dgrs CA.	81974 17.13 - 18.17	0.04	0.06	0.02	51		17.13	18.17	1.04	1.01	97.1

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-20 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
18.17	20.57	QZ Massive white quartz w dolostone as above included as fragments.	81975 18.17 - 18.90	0.03	0.02	0.01	11		18.17	18.90	0.73	6.67	91.8
			81001 18.90 - 20.37	0.05	0.07	0.15	16		18.90	20.37	1.47	1.37	93.2
		Tr. gl assoc with limonite qz druses.	81002 20.37 - 20.57	0.05	0.07	0.17	29		20.37	20.57	0.20	0.20	100.0
20.57	26.92	GREY COARSE CRYSTALINE DOLOSTONE Partially bleached and recrystalized. Minor white quartz vns at 30 dgrs to CA. (Oldest 30 dgrs between vns) and 60 deg to ca. Younger styolites @40-50 deg to ca(opposite of veins). Contains local limonitic bands. Quartz carb vns at 10-15 dgrs to ca. (oldest vn set)	81003 20.57 - 21.4	0.03	0.01	0.01	13		20.57	21.46	0.89	0.73	82.0
		21.49-21.53. Limonite band at 55 dgrs to C.A. 21.86 limonite patch 3 cm across with tr pyrite	81004 21.46 - 21.95	0.06	0.01	0.02	253		21.46	21.95	0.49	0.49	100.0
									21.95	23.47	1.52	1.52	100.0
		24.56-24.71 quartz vn with 2-4 cm carbonate margins at 40 degrees to G.A.							23.47	24.99	1.52	1.47	96.7
									24.99	25.93	0.94	0.84	84.8
		MOSAIC BRECCIA-BRECCIATED BY STYOLITES & DARK BROWN CALCITE FRACT. @ 26.08-26.11 limonite band @ 20 dgrs to C.A. @ 26.58-26.60 limonite band @ 15 dgrs to C.A.	81005 25.93 - 26.92	0.12	0.08	0.19	121		25.93	26.92	0.99	0.88	88.9
26.92	27.87	LIMONITIC FAULT RUBBLE BX. Contains up to 70% limonite with no visible sx.	81006 26.92 - 27.87	0.25	0.28	0.33	674		26.92	27.87	0.95	0.92	96.8
27.87	29.57	GREY MED CRYSTALINE AMPHIPORA DOLOSTONE Highly fractured locally bleached and recrystalized. Contains up to 30% amphipora floatstone. Up to 3mm across cut 2.3 mm white quartz vns at 30 dgrs to c.a. offset by limonitic hairline fractures. @30 deg to c.a. & styolites @60 dgrs to c.a. 90 deg to fractures.											

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-20 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		@ 28.97 tr of gl in quartz patch.	81007 27.87 - 29.57	0.03	0.03	0.04	16		27.87	29.57	1.70	1.58	92.7
29.57	35.12	GREY RECRYSTALIZED COARSE DOLOSTONE Partially bleached with minor discontinous white qz vns up to 2 cm wide with tr gl.	81008 29.57 - 31.09	0.03	0.01	0.01	9		29.57	31.09	1.52	1.40	92.1
		29.93 - 30.27 broken core 30.59 - 31.09 broken core							31.09	32.61	1.52	1.47	96.7
									32.61	34.14	1.53	1.52	99.3
		Contains white quartz vns and yellowish carbonate vns up to 1.5 cm wide at 15-20 dgrs to C.A.							34.14	34.75	0.61	0.61	100.0
	0.00	At 34.82 hairline limonite fracture filling at 20 dgrs to C.A. Contains tr of gl.	81009 34.75 - 35.32	0.26	0.22	0.12	41		34.75	35.29	0.54	0.57	94.4
35.29	41.00	At 35.08 - 35.12 limonite band at 70 dgrs to C.A. MOTTLED DARK AND MED CITED TO COARSE DOLOSTONE							35.29	35.66	0.37	0.36	97.3
		Dark and med crystaline dolostone with patches and bands of grey bleached coarse recrystalized dolostone. Contains minor white quartz vns at 15-20 dgrs to C.A. Gradational upper contact.							35.66	37.19	1.53	1.44	94.1
		37.77 - 37.96 fracture zone with minor oxidized pyrite.							37.19	38.71	1.52	1.52	100.0
		38.34 - 38.43 limonitic fracture zone 38.60 - 38.71 white quartz vn 1.5 cm wide at 15 dgrs to c.a.											
		38.71 -39.52 WHITE QUARTZ VEIN 1 - 2 cm wide irregulary subparallel to C.A. with associated oxidized pyrite vn up to 1 cm wide.	81010 38.71 - 40.23	0.23	0.03	0.02	36		38.71	40.23	1.52	1.34	88.2
		As above with similiar qz and py.tr.- 1% gl along dark brown calcareous fracture at 30 dgrs to C.A.	81011 40.23 - 41.00	0.16	0.15	0.03	23		40.23	41.00	0.77	0.73	94.8
41.00	41.38	OZ 40% LIMONITE REPLACEMENT with 20% dark brown calcareous patches. Contains trace disseminated gl and a broken quartz vn.	81012 41.00 - 41.38	1.06	1.60	0.33	425		41.00	41.38	0.38	0.38	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-20 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
41.38	42.66	GREY DARK DOLOSTONE MOSAIC BX fractures filled with quartz, carbonate, and limonite with tr 1% oxidized pyrite. Tr gl in quartz at 42.20 with tr malachite.	81013 41.38 - 42.66	0.32	0.13	0.12	46		41.38	42.66	1.28	1.28	100.0
42.66	43.56	MASSIVE WHITE QUARTZ VN Contains 10% limonite in patches up to 7 cm across with 1-3% assoc py & tr gl and tr cp. Upper contact is sharp at 25 dgrs to a C.A. lower contact is broken.	81014 42.66 - 43.56	1.22	0.44	0.07	98		42.66	43.56	0.90	0.89	98.9
43.56	53.64	GREY COARSE RECRYSTALIZED DOLOSTONE BX Cut by white quartz vns at 35 dgrs to C.A. and irregular FE carb and limonite fracture with tr assoc gl. Late "chalcedonic" qz vns at 35-40 dgrs to CA. 45.58 dgrs oxidized py cubes. Only visible sx along fracture.	81015 43.56 - 44.81	0.18	0.33	0.21	20		43.56	44.81	1.25	1.22	97.6
									44.81	46.33	1.52	1.42	93.4
									46.33	47.85	1.52	1.45	95.4
		48.78-49.38 BROKEN CORE							47.85	49.38	1.53	1.23	80.4
		50.16 1 cm wide fractured yellow carbonate vn. 50.50 -50.70 Broken core.							49.38	50.90	1.52	1.45	95.4
		WEAKLY BLEACHED With possible amphipora. Broken core. Dead sample	81016 50.90 - 51.82	0.04	0.03	0.08	12		50.90	51.82	0.92	0.90	97.8
		DOLOSTONE AS ABOVE WITH LIMONITIC STYOLITES At 65 dgrs to CA and limonitic fractures parallel to CA. Both w tr gl broken core.	81017 51.82 - 52.43	0.36	0.63	0.63	42		51.82	52.43	0.61	0.55	90.2
		As above.	81018 52.43 - 53.64	0.35	0.56	0.85	77		52.43	53.64	1.21	1.03	85.1
53.64	54.84	BLEACHED BROWN DOLOSTONE MOSAIC TO RUBBLE BY CONTAINS LIMONITIC FRACTURES With tr gl. At 53.98 - 54.10 limonite band with no visible sx. At 54.10 - 54.15 fracture white quartz vn also at 54.32 - 54.48.	81019 53.64 - 54.84	0.57	0.97	0.20	55		53.64	54.84	1.20	1.14	95.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-20 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
54.84	58.06	OZ 30-40% LIMONITE REPLACED DOLOSTONE MOSAIC RUBBLE BX With tr gl in blebs up to 5 mm across in limonite matrix, broken quartz vn at bottom of section.	81020 54.84 - 55.29	0.62	1.26	0.97	101		54.84	55.29	0.45	0.40	88.9
		70%-80% LIMONITE MATRIX RUBBLE BX With tr diss gl blebs in limonite matrix	81021 55.29 - 56.54	1.72	2.08	4.61	157		55.29	56.54	1.25	1.13	90.4
		AS ABOVE 57.49 - 58.06 Tr 1% gl along hairline fractures at 35 dgrs to CA.	81022 56.54 - 58.06	0.86	1.24	4.63	71		56.54	58.06	1.52	1.42	93.4
58.06	63.09	GREY BLEACHED FINE CRYSTALINE DOLOSTONE CRACKLE -MOSAIC BX Hairline limonitic fracture filling matrix with trace gl in matrix. Minor limonite rubble bx bands up to 2 cm wide at 30 dgrs to CA. Trace oxidized pyrite cubes up to 3 mm across.	81023 58.06 - 59.28	0.56	0.82	3.37	72		58.06	59.28	1.22	0.90	73.8
			81024 59.28 - 60.35	0.21	0.17	0.32	45		59.28	60.35	1.07	0.43	40.2
		60.05 -60.35 ground core	81025 60.35 - 61.80	0.22	0.57	0.60	31		60.35	61.80	1.45	1.17	80.7
		Bleached limonitic bx with tr gl.	81026 61.80 - 62.45	0.24	0.20	2.31	46		61.80	62.45	0.65	0.64	98.5
		GREY FINE CRYSTALINE DOLOSTONE CRACKLE BX As above with tr gl along fracture parallel to CA.	81027 62.45 - 63.09	0.26	0.62	0.95	40		62.45	63.09	0.64	0.64	100.0
		E.O.H. 63.09 TOTAL RECOV. 92.2%											92.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-21

AREA	PN ZONE	SECTION	1+00 N	DATE Started	06-25-88 (D)
CLAIM	JEFF 3	AZIMUTH (T)	265 Degrees	DATE Completed	06-26-88 (D)
GRID CO-ORDS Line		INCLINATION	-70 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	31.70m	LOGGED BY	P. RAMAEKERS/B. Laird
SURVEY CO-ORDS Northing	31813.85	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13399.80	DEPTH Overburden	3.20m	CORE RECOVERY	90.6%
ELEVATION	1731.77m	VERT. COMP.	29.79m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	10.84m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-70	265	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.20	OVERBURDEN				
3.20	6.95	DOLOSTONE Bx				
6.95	10.59	GZ/SZ	3.64	2.79	3.22	8.77
10.59	13.20	DOLOSTONE Bx				
13.20	14.58	OZ	1.38	1.06	1.22	13.89
14.58	31.70	D (F)				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.92	0.93	3.19	28	89.5%
8.62	5.69	6.62	205	96.4%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-21 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
3.20	3.46	RUBBLE; MED GREY, MED XINE DOLOSTONE 5 cm wide zones rubble bx; white qtz veins 1-3 mm wide rimmed by limonite at 45 dgrs c.a. Limonitic and minor qtz filled fractures at 30 dgrs c.a. with strike 30 dgrs off qtz filled fractures.							3.20	3.46			?
3.46	6.95	MED GREY, COARSELY XINE DOLONE 50% rubble bx; bx matrix dk grey coarsely xine dolostone. White qtz vns 1-5 mm thick at 50 dgrs to c.a., often lined by. 2 mm thick limonite. Frequent 1 mm wide limonite filled fractures, often parallel white qtz vns. Siderite vn with qtz 1 cm wide at 6.30 m. Qtz and minor limonite filled fracture zone 5 cm thick at 5.35 m., 5.19 m: Fault; 30 dgrs c.a. slicks rake 20 dgrs. Fault cuts all qtz and limonite veins.							3.46	5.18	1.72	1.50	87.2
									5.18	6.40	1.22	1.09	89.3
									6.40	6.95	0.55	0.55	100.0
6.95	7.60	GREY BLEACHED FINE CRYSTALIZED DOLOSTONE CRACLE BX-GZ Dolostone crackle bx fizzes weakly w/ 10% hcl. Subangular fragments up to 2 cm across in fine hairline matrix. Limonite, gl, py fracture filling vns up to 1 cm occur @40 deg c.a. with limonite replacement of crackle matrix around vn margins. Gl 1-3% is fine grained steel bent variety. Trace fine pyrite is disseminated in limonite.	81912 6.95 - 7.60	0.46	0.44	4.16	31		6.95	7.60	0.65	0.65	100.0
7.60	8.10	MASSIVE BLEACHED GREY FINE CRYSTALINE DOLOSTONE Lithologically as above but lacks limonite, sx and crackle bx.	81913 7.60 - 8.10	0.02	0.03	1.50	<5		7.60	8.10	0.50	0.35	40.0
8.10	9.62	BLEACHED GREY FINE CRYSTALINE DOLOSTONE MOSAIC RUBBLE BX Brecciated by limonite--quartz fracture filling matrix; vuggy. Prominant fracture direction is at 60 dgrs to c.a. No visible sx. 8.93 to 9.75 broken core.	81914 8.10 - 9.62	0.14	0.08	2.79	8		8.10	9.62	1.52	1.34	88.2

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-21 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
9.62	10.59	GZ/ DOLOSTONE RUBBLE BX Limonite fe-carb matrix w/ local replacement of dolostone from 9.62-9.76. Limonite, gl, py vn up to 1.5 cm wide occur discontinuously at 25 dgrs to c.a. and at 75 dgr to c.a. w/minor qtz and at 50 dgr to c.a. Section contains 2-5% med steel gl in clots up to 1cm across in limonite vns w/1-3% fine grain pyrite in clots up to 1cm across.	81915 9.62 - 10.59	2.86	3.00	4.12	69	0.08	9.63	10.59	0.97	0.93	95.9
10.59	12.79	DARK MASSIVE FINE CRYSTALINE DOLOSTONE Fizzles weakly w/ hcl, minor callite fracture filling	81916 10.59 - 11.53	0.08	0.07	0.42	<5	<0.01	10.59	11.53	0.94	0.90	95.7
		AS ABOVE	81917 11.53 - 12.79	0.01	0.02	0.09	<5	<0.01	11.53	12.79	1.26	1.19	94.4
12.79	13.20	BLEACHED BRECCIATED DOLOSTONE AS ABOVE Mosaic to rubble bx in a carbonate and limonite matrix.	81918 12.79 - 13.20	0.07	0.10	0.38	<5	0.01	12.79	13.20	0.41	0.39	95.1
13.20	13.97	OZ 70% LIMONITE REPLACEMENT OF DOLOSTONE RUBBLE BX LIMONITE & CARBONATE MATRIX 14.60-14.75 contains 30% gl in clots up to 3 cm across w/ 10% pyrite in clots up to 1 cm across. Sx occur in limonite vns replacing fe-carb altered bleached dolostone. Dolostone fragments occur within gl. Prominant gl bearing limonite vn at 45 dgrs to c.a.	81979 3.20 - 13.97	14.95	9.78	9.55	341	0.19	13.20	13.97	0.77	0.75	97.4
13.97	14.85	GZ/ DARK FINE CRYSTALINE DOLOSTONE MOSAIC BX To massive brecciated by limonite carbonate hairline fracture fillings w/ minor coarse erratic dolostone vns up to 1 cm wide. Section contains a set of parallel limonite fractures up to 2 cm wide w/ clotted steel gl up to 2 cm across and blebs of pyrite up to 5 mm across. Total section contains tr - 1% gl. Bx bearing fractures at 65 dgrs and 52 dgrs to c.a.	81920 13.97 - 14.85	0.64	0.52	2.92	34	0.02	13.97	14.85	0.88	0.84	95.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-21 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
14.85	16.10	MINERALIZED DOLOSTONE; 0.1% GALENA Med grey, med xine dolostone; qtz vns white, to 3 mm thick usually with thin limonitic borders, typically at 45 dgrs to c.a. Irregular hairline fractures lined with hematite form network with patches of limonite up to 1 mm thick. Limonite is largely an alteration of pyrite cubes; up to 2 mm diameter in thicker fracture; minor galena in fracture. Green coating along fracture.	81947 14.85 - 16.10	0.33	0.37	0.33	18	<0.01	14.85	16.10	1.25	1.25	100.0
16.10	17.07	MINERALIZED DOLOSTONE, 0.4% GALENA Med grey, med xine dolostone white qtz vns to 3 mm thick usually with thin limonite borders at about 45 dgrs to c.a. Irregular often subparallel thin (<1 mm) fractures filled with pyrite, altered in part to limonite. Concentrations of these at 16.15 and 16.70-16.95 are @60 deg to c.a. Some of these filled with 1-5mm thick galena; these zones are vuggy, vugs parallel to fractures. Green coating along fractures.	81948 16.10 - 17.07	0.58	0.52	0.16	24	<0.01	16.10	17.07	0.97	0.97	100.0
17.07	17.82	MINERALIZED DOLOSTONE; 0.1% GALENA Med grey, med to coarsely xine dolomite; darker dolomite in spaces between breccia frags. White qtz dolomite vns at 20-45 dgrs c.a. Thin rubbe bx with dolomite and minor pyrite at 20-45 dgrs c.a. Thin rubble bx with dolomite and minor pyrite at 20.0, 19.80 green scorodite (?) coating along fractures.	81949 17.07 - 17.82	0.54	0.19	0.05	16	<0.01	17.07	17.82	0.75	0.75	100.0
17.82	24.50	DOLOSTONE, FOSSILIFEROUS Med grey, med-coarsely xine dolostone; possible brachiopod remnant. Darker dolomite in spaces between breccia fragments and along some bedding ? planes. Less brecciated than the above units. Thin rubble bx with white dolomite and minor pyrite cement at 19.80, 20.00 m. Green coating along fractures.	81950 17.82 - 18.59	0.06	0.08	0.03	7	<0.01	17.82	10.59	0.77	0.77	100.0
									18.59	20.12	1.53	1.53	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-21 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		17.8-24.50 (CONTINUED) 24.10-24.25 RUBBLE BX, CEMNTED WITH GREY DOLOSTONE							20.12	21.64	1.52	1.52	100.0
									21.64	23.16	1.52	1.47	100.0
24.50	31.30?	DOLOSTONE - AMPHIPORA Med grey, med xine dolostone with darker grey dolostone along some bedding ?							23.16	24.69	1.53	1.49	97.4
		plane and as matrix in breccia zones. Minor crackle breccia at 26.21 and 28.35 m.							24.69	26.21	1.52	1.38	90.8
		Minor thin qtz and dolomite vns; these are up to 5 mm thick at 26.50 and 28.40 m.							26.21	27.74	1.53	1.17	76.5
		Veins often lined by limonite (after pyrite). Green coating (chlorite or							27.74	28.45	0.71	0.56	78.9
		epidote?) and limonite on fracture surfaces. Dissemminated ellipsoidal limonitic							28.45	29.41	0.96	0.84	87.5
		patches 2-10 mm long throughout, probably dolomite replacements after amphipora.							29.41	30.18	0.77	0.67	87.0
		NO BLOCK AT END OF HOLE TO INDICATE FOOTAGE EOH 31.70m RECOVERY = 90.6%							30.18	31.30?	1.12?	0.98	87.5

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-22

AREA	PN ZONE	SECTION	1+00 N	DATE Started	06-26-88 (D)
CLAIM	JEFF 3	AZIMUTH (T)	000 Degrees	DATE Completed	06-26-88 (N)
GRID CO-ORDS Line		INCLINATION	-90 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	32.61m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	31813.91	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13400.45	DEPTH Overburden	3.66m	CORE RECOVERY	97.3%
ELEVATION	1731.58m	VERT. COMP.	32.61m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	0.00m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-90	000	Brunt				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.66	OVERBURDEN				
3.66	11.38	dM/D				
11.38	12.53	D + GALENA	1.15			
12.53	14.64	DOLOSTONE				
14.64	14.84	LIM. DOLOSTONE	0.20	0.12	0.16	14.74
14.84	29.21	d MUDSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.55	0.26	2.39	16	93.0%
2.13	2.25	6.68	61	100.0%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT D.D.H. YM88-22 Page 2 of 5

AREA

CLAIM

GRID CO-ORDS Line / Station

SURVEY CO-ORDS Northing / Easting

ELEVATION

STICK UP

SECTION

AZIMUTH (T)

INCLINATION

DEPTH Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
29.21	29.47	VZ	0.26	0.13	0.15	29.34
29.47	32.61	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.90	2.31	0.13	<5	85.0%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-21 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.66	OVERBURDEN											
		RECRYSTALIZED DOLOMITIC MUDSTONE, HOMEGENEOUS UNIT											
		With random pyritic altered to limonite carbonate fracture fillings. 2 mm to 1cm											
3.66	5.68	qtz veins showing slight shearing along contacts and crystals growing in vugs.							3.66	5.18	1.52	1.48	97.0
		Small fault breccia at 5.13 m, limonitic with dolomite breccia clasts. Edges											
		marked by quartz 35 degrees to c.a.											
5.68	7.61	MEDIUM GREY DOLOSTONE AS ABOVE							5.18	6.71	1.53	1.47	96.0
		Showing brecciated? or reworked dolostone clasts varying in degrees of											
		roundness. Crosscut by same pyrite limonite dolomite veinlets mentioned above:											
		ie quartz veinlets							6.71	8.23	1.52	1.50	98.0
		BRECCIATED MED GREY DOLOSTONE/RECRYSTALIZED MATRIX											
7.61	11.38	Same as above, slightly more brecciated with more intense veinlets & associated	81976	0.05	0.07	0.02	8	<0.01	7.61	8.23	0.62	0.60	96.0
		limonite.	7.61 - 8.23										
		SAME AS ABOVE											
		With 2 mm limonitic galena (5%) fracture filling in places and associated	81977	0.25	0.44	0.33	7	<0.01	9.75	11.38	1.63	1.50	92.0
		gypsum crystals.	9.75 - 11.38										
11.38	12.53		81978	0.55	0.26	2.39	16	0.02	11.38	12.53	1.15	1.07	93.0
			11.38 - 12.63										
		AS ABOVE,MORE INTENSE BRECCIATION											
		With 2 mm to 1 cm limonitic fracture filling veinlets containing spotty fine							12.8	14.33	1.53	1.41	92.0
		grained galena, with iron stained vugs. Veinlets random to c.a.											
12.53	14.44	HIGHLY FRACTURED DOLOSTONE BROKEN IN CORE	18933	0.03	0.05	0.36	9	<0.01	12.53	14.64	2.11	1.98	94.0
		Along fracture sets coated by limonitic surfaces 32 dgrs to core axis.	12.53 - 14.64										
		Possible faulting disrupted previously broken breccia and limonite matrix.											
14.44	14.94	AS ABOVE WITH CONSIDERABLY LESS BRECCIATION	81979	2.13	2.25	6.68	61	0.06	14.64	14.84	0.20	0.20	100.0
		Limonite and spotty. <1% fine grained galena veinlet. 31% to c.a.	14.64 - 14.84										
			18934	0.03	0.01	0.09	13	<0.01	14.84	15.85	1.01	0.97	96.0
			14.84 - 15.85										

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-22 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
14.94	23.47	RECRYSTALIZED DOLOMITE MUDSTONE Medium grey, homogeneous with quartz, carbonate and limonite veinlets 20 dgrs to c.a. ranging from 1 mm to 5 mm wide. Evidence of numerous recrystalized amphipora in zones. Limonite stains core reddish brown at surfaces with small pyrite cubes present with trace manganese stain in small vugs. No other presence of suphides seen.							14.33	15.85	1.52	1.25	82.0
									15.85	17.37	1.52	1.45	95.0
									17.37	18.90	1.53	1.50	98.0
									18.90	20.42	1.52	1.50	98.0
									20.42	21.95	1.53	1.49	97.0
									21.95	23.47	1.52	1.51	99.0
23.47	27.64	RECRYSTALIZED DOLOMITE MUDSTONE Same as above, despite lack of amphipora & less veinlets. Veinlets present are random with the last fracturing event cross cutting previous fractures at 32 dgrs to c.a. Strong pressure solution "styolites" represent an earlier event to fracturing. Have minute pyrite flecks along them. General lack of vugs & increase in mn stain with depth. Calcite crystals along fractures with more limonitic fracture fillings.							23.47	24.99	1.52	1.50	98.0
									24.99	26.52	1.53	1.49	97.0
									26.52	28.04	1.52	1.39	91.0
			18935 19.50 - 20.50	<0.01	<0.01	0.03	11	<0.01	19.50	20.50	1.00	0.96	96.0
27.64	28.04	AS ABOVE With an increase in manganese staining.											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-22 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
28.04	29.21	HIGHLY FRACTURED DOLOSTONE Increasing brecciation with depth. Repetative fractures 10 dgrs to c.a. with limonite & Mn stain approximately parallel to each other 5 to 7 cm apart. Silicification at end of zone with quartz matrix supporting brecciated dolostone clasts.	81980 28.04 - 29.21	0.02	0.03	0.11	8	<0.01	28.04	29.21	1.17	1.11	95.0
29.21	29.47	MOTTLED BRECCIATED FRACTURED DOLOSTONE As above with small galena vein (fine grained) nearly parallel to c.a. 1 cm thick. Not much limonite or alteration of lead seen in core which is very rubbly. More of mineralized zone may have been lost.	81981 29.21 - 29.47	1.90	2.31	0.13	<5	<0.01	29.21	29.47	0.26	0.22	85.0
29.47	31.09	HOMOGENEOUS PARTIALLY BRECCIATED DOLOSTONE Like above much less fractures though repetative at aprox. 10 dgrs to c.a. Little to no Mn stain. Reappearance of arphipora.	81982 29.47 - 31.09	0.04	0.04	0.04	7	<0.01	29.47	31.09	1.62	1.55	96.0
31.09	32.61	HOMOGENEOUS MED GREY DOLOSTONE Showing slight mottling texture due to recrystalization and many secondary thin randomly orientated pyrite-limonite carbonate fracture filling with minor brecciation in vugs. Dominant fracture sets 20 dgrs to c.a. Is last fracturing event. No sulphides observed.							31.09	32.61	1.52	1.51	99.0
		END OF HOLE 32.61 RECOVERY = 97.3%											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-23

AREA: PN
CLAIM: JEFF 3
GRID CO-ORDS: Line / Station
SURVEY CO-ORDS: Northing 31794.78 / Easting 13416.94
ELEVATION: 1735.67m
STICK UP:
COMMENTS:

SECTION: 0+80 N
AZIMUTH (T): 265 Degrees
INCLINATION: -48 Degrees
DEPTH: Hole 34.14m / Casing / Overburden 91.0%
VERT. COMP.: 25.16m
HORIZ. COMP.: 23.06m

DATE: Started 06-27-88 (D) / Completed 06-27-88 (N)
CONTRACTOR: E. CARON DIAMOND DRILLING
LOGGED BY: P. RAMAEKERS/B. Laird
CORE SIZE: HQ
CORE RECOVERY:
CORE STORED AT: YMC CAMP CORE RACK

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-48	265	BRUNT				
34.14	-47	265	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	4.50	OVERBURDEN				
4.50	21.95	D, D(F)				
21.95	26.99	DOLOSTONE Bx				
26.99	27.74	VZ	0.75	0.67	0.71	27.37
27.74	31.68	DOLOSTONE Bx				
31.68	31.85	OZ	0.17	0.15	0.16	31.77
31.85	34.14	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
9.81	9.24	5.65	<0.001	98.7%
0.89	1.08	10.75	0.002	94.1%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-23 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	4.50	OVERBURDEN No block at start											
4.50	6.90	DOLOSTONE Dark grey med xine dolostone with brachiopod and amphipora relicts. White carbonate veins common 1-5mm thick with pyrite cubes and linings partially altered to brown hemmatite. Large veins often in sets at 30-50 dgrs c.a. Fewer colourless qtz viens. Fault at 4.90m at 70 dgrs c.a.							4.50	5.18	0.68	0.68	100.0
									5.18	6.10	0.92	0.92	100.0
6.90	9.14	FOSSILIFEROUS STYOLITIC DOLOMITE Dark grey to brown med crystaline, strongly styolitic dolostone with abundant brachiopod and amphipora (?) remnants. Black residue on styolites. Vugs up to 6 cm lined with euhedral dolomite and younger colourless qtz. Unit possibly sandier than overlying dolomite.							6.10	7.62	1.52	1.45	95.4
									7.62	9.14	1.52	1.52	100.0
9.14	10.00	DOLOSTONE WITH QTZ VEINS AND FAULTS Grey to brown medium crystalline dolostone. Large white qtz veins to 5cm thick @45 deg to c.a. Fault surfaces with slickensides along qtz veins. Thin phyllitic layers along fault surfaces.							9.14	10.67	1.53	1.42	92.8
									10.67	12.19	1.52	1.30	85.5
10.00	15.30	SILTY AND SANDY DOLOSTONE OR DOLOMITIC SS PHILITE Med to dark grey to greenish to brownish dolostone with quartzitic laminae to 1 cm thick; abundant thin (1 MM) phyllitic laminae along either bedding or shear planes. Some sections may be crossbedded. Phyllitic laminae limonitic.							12.19	13.11	1.02	0.69	67.6
									13.11	14.33	1.22	0.93	76.2
15.30	16.30	FAULT ZONE - LIMONITIC Pale to med grey silty to sandy dolostone. Zone is sheared and crackle brecciated; with 1 cm limonitic rubble bx zone at 15.40 m and a 10 cm limonitic rubble bx zone 16.30 m. Shearing is consistantly at 35 dgrs c.a. and is cut by rubble bx fault zones cutting core at about 70 dgrs c.a. Shearing offsets 1-5 mm thick qtz veins cutting core at 30-50 dgrs c.a.							14.33	14.94	0.61	0.53	86.9
			81985 15.30 - 16.30	0.01	0.01	0.10	9.00	<0.01	15.30	16.30	1.00	0.97	97.0
									14.94	16.46	1.52	1.27	83.6
									16.46	17.98	1.52	1.52	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-23 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	CU %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
16.30	21.95	BRECCIATED SILICIFIED DOLOSTONE Pale to medium, grey to grey green medium xine dolostone; partially							17.98	18.90	0.92	0.90	100.0
16.30	23.97	silicified and hard. Dolomite and minor limonite (altered pyrite) +/- qtz veins- 5mm common. Crackle brecciation with thin limonite alteration common. Mosaic to rubble bx 10% of interval distributed more or less evenly in 5-10 cm intervals.							18.90	20.42	1.52	1.40	92.1
		Often at 60-70 deg. c.a. 21.95 - 23.97 Mineralized, <1% galena in pyritic fractures at 60-70 dgrs c.a. (Same as in ruuble bx in fault above).							20.42	21.34	0.92	0.78	84.8
									21.34	21.95	0.61	0.48	78.7
			81986 21.95 - 23.47	0.02	0.02	0.05	8	<0.01	21.95	23.47	1.52	1.42	93.4
23.97	26.41	BRECCIATED, SILICIFIED, MINERALIZED DOLOSTONE (GALENA ZONE) Pale to med grey to grey green, med crystaline dolostone, partially silicified.	81987 23.97 - 24.99	0.83	1.01	0.04	10	<0.01	23.97	24.99	1.02	0.96	94.1
		Less silicified than previous interval, but with white vuggy qtz filled veins +/- galena. About 1% galena, veins 1-5mm thick at 60-70% c.a. Breccintion, crackle and about 10% rubble bx outlined by limonite (altered pyrite).	81988 24.99 - 26.21	0.16	0.21	0.34	14	<0.01	24.99	26.21	1.22	1.20	98.4
		Vuggy qtz filled veins at galena. About 1% galena, veins at 60-70% c.a. BLUE-GREY, MED-FINE CRYSTALINE DOLOSTONE +/- SILICIFIED Massive w/ minor hairline fracture fillings @ youngest is parallel to c.a.	81921 26.21 - 26.99	0.13	0.10	0.33	<5	<0.01	26.21	26.99	0.78	0.78	100.0
26.99	27.22	Next @ 65 dgrs to c.a. and oldest contain minor limonite or fe-carb @65 dgrs to c.a. (the opposite way) Tr gl along oldest hairline calcite vnlet. VZ 40% MASSIVE CLOTTED COARSE & STEEL GL +/- TETRAHEDRITE	81922 26.99 - 27.22	27.9	27.9	11.8	17	0.25	26.99	27.22	0.23	0.22	95.7
27.22	31.68	In 40% limonite gouge with minor powdery yellow mineral-scorodite? Contains 20% bleached green grey dolostone, tr malachite. Lower contact @52 & upper 65 dgrs to c.a. BLEACHED GREY DOLOSTONE CRACKLE TO MOSAIC BX	81923 27.22 - 27.74	1.81	0.99	2.93	<5	0.04	27.22	27.74	0.52	0.52	100.0
		Brecciated by qtz - carbonate-limonite stringers up to 3mm wide, also earlier vuggy milky (chalcedonic) vnlets up to 5mm wide at 60 dgrs to c.a. at 27.51 m a cm wide limonite and qtz band occurs at 70 drs to c.a. No visible sx.	81924 27.74 - 29.26	0.23	0.20	0.48	<5	<0.01	27.94	29.26	1.52	1.45	95.4
		AS ABOVE WITH BLEACHED MOSAIC TO BUBBLE BX In qtz carbonate limonite/fe-carbonate matrix from 28.18-28.65. MASSIVE GREY BLEACHED +/-SILICIFIED DOLOSTONE	81925 29.26 - 31.09	0.08	0.13	0.13	<5	<0.01	29.26	31.09	1.83	1.32	71.4
		29.26 - 27.72 broken core 27.72 - 31.09 cut vuggy qtz vnlets up to 2mm wide at 63 dgrs to c.a. w/tr gl. *30 cm cave in this intersection.	81926 31.09 - 31.68	0.04	0.05	0.93	<5	<0.01	31.09	31.68	0.59	0.40	67.8

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-23 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		GREY DOLOSTONE AS ABOVE With 1 cm wide chalcedonic, drusy qtz vn at 65 dgrs to c.a.											
31.68	31.85	OZ BLEACHED PALE YELLOW DOLOSTONE BUBBLE BX 30-40% limonite gouge matrix and dolostone replacement w/ 3-5% steel gl +/- tetrahedrite as blebs up to 1 cm across in limonite.	81927 31.68 - 31.85	0.89	1.08	10.75	61	0.13	31.68	31.85	0.17	0.16	94.1
31.85	34.14	GREY BLUE MED FINE CRYSTALINE DOLOSTONE +/- SILIFCIFIED Contains minor quartz vuggy 2mm wide vnlets at 60-65 dgrs to c.a. Broken by later hairline carbonate vnlets. No visible sx.	81928 31.85 - 33.22	<0.01	0.02	0.35	<5	<0.01	31.85	33.22	1.37	1.35	98.5
									33.22	34.14	0.92	0.89	96.7
		34.14 E.O.H. RECOVERY = 91.0%											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-24 Page 1 of 4

AREA	PN ZONE	SECTION	0+80 N	DATE Started	06-28-88 (D)
CLAIM	JEFF 3	AZIMUTH (T)	265 Degrees	DATE Completed	06-28-88 (N)
GRID CO-ORDS Line		INCLINATION	-70 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	40.23m	LOGGED BY	P. RAMAEKERS
SURVEY CO-ORDS Northing	31794.74	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13417.95	DEPTH Overburden	3.30m	CORE RECOVERY	96.2%
ELEVATION	1735.75m	VERT. COMP.	37.81m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	13.76m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-70	265	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.30	OVERBURDEN				
3.30	9.60	PHYLLITE/d Qz				
9.60	28.15	DOLOSTONE				
28.15	28.30	VEIN ZONE	0.15			
28.30	40.23	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.57	3.70	0.20	<0.001	100.0%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-24 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.30	OVERBURDEN - NO BLOCK AT START OF CORE							0.00	3.30	3.30	0.00	0.0
3.30	7.36	PHYLLITE, LARGELY DARK GREY, MINOR PALE GREY AND DARK GREENISH GREY Thinly laminated phyllite with 1-10 mm qtz laminae parallel to phyllite laminae. Some (4.50-4.00) seem bondinnged or flaser bedding. Sandy lamininae pyritiferous and rusty. Pyrite xs to 1 cm, now altered to cubic vugs. 20 cm quartzite at 7 m; does not disturb phyllite orientation. Phyllite laminae at 20 dgrs c.a. at 3.30 to 60 dgrs c.a. at 7.30 m. Transition from phyllite to dolostone gradational.							3.30	4.27	0.97	0.97	100.0
									4.27	5.79	1.52	1.34	88.2
									5.79	7.32	1.53	1.15	75.2
7.36	9.60	PHYLLITIC, SILTY, DOLOMITIC SANDSTONE, FINELY LAMINATED; V. MINOR GALENA Pale green (7.36) to med grey (9.60) thinly laminated, med xine dolomitic, v. fine grained sandstone or sandy dolomite. 20 dgrs c.a. at top to 90 dgrs c.a. at bottom. Laminae 1-5mm thick. Large qtz vn 10cm thick at top at 50 dgrs c.a. (i.e.cuts lamination). Thin qtz veins 1-5mm thick parallel laminae or various other anlges to c.a. Euhedral pyrite and galena xs up to 4mm in qtz vein at 45 dgrs c.a. Limonitic zone 10cm thick at 7.60m. Galena < 0.1%. Large amount of fine to v. fine grained qtz after complete dissolution with 30% HCL.	18927 7.32 - 8.84	0.03	0.03	0.05	12	<0.01	7.32	8.84	1.52	1.47	96.7
									8.84	10.36	1.52	1.44	94.7
									10.36	11.89	1.51	1.51	100.0
9.60	14.94	DOLOSTONE, SLIGHTLY BRECCIATED Med. grey, coarsely crystalline dolostone; multiple generations of white qtz-carbonate vns, with carbonate linings and qtz cores; oldest core typically at 40-50 dgrs c.a.; later ones to 80 dgrs c.a. Latest ones limonitic @40 deg to c.a. but different strike. Phyllitic laminae variably present. Limonite (after pyrite) largely along phyllitic laminae shearing, limonite, and bx increase to bottom; typically at 70 dgrs c.a.; bx largely crackle bx. Pale dolostone fragments towards bottom. Vugs along some of the shears.							11.89	13.41	1.52	1.42	93.4
									13.41	14.94	1.53	1.53	100.0
			18926 14.94 - 16.46	0.11	0.14	0.53	16	0.01	14.94	16.46	1.52	1.48	97.4
14.94	16.46	DOLOSTONE, SLIGHTLY BRECCIATED MINERALIZED (ABOUT 0.5% PBS) Pale to med grey, coarsely crystalline dolostone; all crackle bx, thin rubble bx at 15.30 m with 2cm strongly lionitic alteration. Galena clots in limonitic fractures. About 0.5% galena.							16.46	17.98	1.52	1.44	94.7
									17.98	19.51	1.53	1.53	100.0
									19.51	21.03	1.52	1.52	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-24 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
16.46	27.00	PALE GREY DOLOSTONE, COARSELY XINE DOLOSTONE; DISSEMINATED LIMONITIC Coarsely xine patches 1-5 mm may be remnants of amphipora. Rock hard in places, may be siliceous/or silicified. Shearing decreases from top. Qtz-carbonate vein 1-15 mm at 30-50 dgrs c.a. present. Limonite and pale green stain along vns and fractures. A few fractures with minor galena at 20.50 m.											
									21.03	22.56	1.53	1.46	95.4
									22.56	23.47	0.91	0.91	100.0
									23.47	24.99	1.52	1.52	100.0
									24.99	26.52	1.53	1.53	100.0
27.00	28.70	PALE GREY DOLOSTONE, FAULT ZONE, MINERALIZED Pale grey, med. xine dolostone; siliceous or silicified in part. Crackle brecciated, with rubble breccias at 27.00 (5 cm) and 28.15 - 28.30. Limonitic, pale rusty and white qtz alteration along fracture, esp. in rubble breccias. Vein Zone: 28.15 - 28.30; no galena seen elsewhere in interval.	18928 27.00 - 28.15	<0.01	0.01	0.03	6	<0.01	27.00	28.15	1.15	0.80	69.6
									26.52	28.04	1.52	1.47	96.7
			18929 28.15 - 28.30	2.57	3.70	0.20	11	0.01	28.15	28.30	0.15	0.15	100.0
									28.04	28.65	0.61	0.50	82.0
			18930 28.30 - 29.57	<0.01	0.01	0.04	6	<0.01	28.30	29.57	1.27	1.15	91.0
									28.65	29.57	0.92	0.85	92.4

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-24 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
28.70	40.23	PALE GREY DOLOSTONE, MED TO COARSE XINE DOLOSTONE							29.57	31.09	1.52	1.40	92.1
		In part siliceous or silicified (hard). Remnants of bedding planes at about 50 dgrs c.a. Thin qtz-carbonate-limonite fractures with variable orientation; vns up to 1 cm thick in upper part of interval; limonite and carb line walls. Qtz is later. Limonite linings both light and dark brown.	18931 31.09 - 32.61	0.02	0.04	0.01	8	<0.01	31.09	32.61	1.52	1.48	97.4
		31.09 - 34.30 thin limonite/qtz/carb vns have minor galena air blebs on vns < 1 mm thick	18932 32.61 -34.14	0.04	0.03	0.01	5	<0.01	32.61	34.14	1.53	1.52	99.4
		38.00 - 40.23 limonitic fractures at 0-20 dgrs to c.a.							34.14	35.66	1.52	1.51	99.3
									35.66	37.19	1.53	1.52	100.0
									37.19	38.71	1.52	1.52	100.0
									38.71	40.23	1.52	1.52	100
		END OF HOLE 40.23m											
		RECOVERY = 96.20%											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-25

AREA	LUCKY ZONE	SECTION	1+00 N	DATE Started	06-28-88 (N)
CLAIM	JEFF 4	AZIMUTH (T)	000 Degrees	DATE Completed	06-29-88 (D)
GRID CO-ORDS Line		INCLINATION	-90 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	22.25m	LOGGED BY	P. RAMAEKERS/B. Laird
SURVEY CO-ORDS Northing	31844.53	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13521.44	DEPTH Overburden	2.44m	CORE RECOVERY	84.9%
ELEVATION	1737.13m	VERT. COMP.	22.25m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	0.00m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
000	-90	000	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	2.44	OVERBURDEN				
2.44	12.20	D(F) Bx				
12.20	14.68	DOLOSTONE Bx				
14.68	16.91	OZ	2.23	1.05	1.19	15.80
16.91	22.25	DOLOSTONE (+)(-)Bx				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
5.25	4.46	4.75	0.005	93.3%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-25 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	2.44	OVERBURDEN							0.00	2.44			
2.44	3.00	DOLOMITE RUBBLE							2.44	3.35	0.91	0.36	39.6
									3.35	5.03	1.68	1.10	65.5
3.00	5.35	DOLOSTONE, BRECCIATED, FOSSILIFEROUS Medium to dark grey, coarsed xine dolostone; with brachiopod and amphipora? remnants. Coarse xine dolomite vns 1-5 mm thick much deplaced by later fractures marked limonite, qtz and carbonate. Mosaic to rubble bx. 10 cm thick at 3.70m with much limonite & some qtz below it in fractures. Dark greenish sandier? bed 5 cm thick at 4.80. Most fractures at 30 - 45 dgrs c.a.	18902 5.03 - 6.45	0.12	0.14	0.22	24	<0.01	5.03	6.45	1.42	1.40	98.6
									5.03	6.71	1.68	1.49	88.7
			18903 6.45 - 7.20	0.67	0.53	0.58	684	0.03	6.45	7.20	0.75	0.64	85.3
									6.71	8.23	1.52	1.27	83.6
		FOSSILIFEROUS DOLOSTONE & SANDY DOLOSTONE; FAULT ZONE MINERALIZED OXIDE ZONE Med to dark grey, coarsely xine dolostone, richly fossiliferous, esp brachiopods; some sandier (?) beds at 7.20 - 7.50. Interval has many shears at 70-80 dgrs c.a.; most with intense limonitic (after pyrite) and qtz and carb alteration; vuggy sections; styolitization has affected many fracture boundaries. Galena in fracture from 5.30-7.20 m about 1%. Shears from mosaic bx to rubble bx from 5.03 - 7.20; 7.50 - 9.75.	18904 7.20 - 9.75	0.16	0.10	0.72	288	0.01	7.20	9.75	2.55	2.15	84.3
									8.23	9.75	1.52	1.31	86.2
									9.75	11.28	1.53	1.22	79.7
			18905 11.28 - 12.80	0.06	0.06	0.53	57	<0.01	11.28	12.80	1.52	1.44	94.7
			18906 12.80 - 14.68	0.38	0.25	0.60	0.75	<0.01	12.80	14.33	1.53	1.38	90.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-25 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
9.75	12.20	FOSSILIFEROUS DOLOSTONE, BRECCIATED Med to dark grey coarsely xine dolomite with lighter, coarser re xized fractured (?) fragments; fossiliferous; coarsely xine dolomite/qtz vns at 30-50 dgrs c.a. Fewer thin limonitic vns than in preceeding and following intervals.							14.33	14.68	0.35	0.25	71.4
12.20	15.55	DOLOSTONE, FAULT ZONE, OXIDE ZONE Med to dark grey, coarsely xine dolostone; early coarsely xine dolomite vns; patches of lighter coarsely xine dolomite. Shearing and fault bx at 0-30 dgrs c.a. Pyrite, largely altered to limonite; qtz and carbonate and galena along shears; intense limonite from 15.50 to 16.50. Styolytes post date faulting. Rubble bx at 12.30, 12.80-13.30; 14.10, 14.60-16.90. Dark med crystaline dolostone mosaic to rubble bx. 15% limonite carbonate matrix w/ tr gl in 3mm blebs in the matrix.	81941 14.68 - 15.55	0.66	0.47	4.96	37		14.68	15.55	0.87	0.87	100.0
15.55	16.09	OZ 80-100% LIMONITE REPLACEMENT Trace qtz fragments up to 1 cm across 3-5% fine gl in disseminated blebs up to 5 mm across.	81942 15.55 - 16.09	18.45	16.70	3.85	510		15.55	16.09	0.54	0.47	87.0
16.09	16.91	BLEACHED SILICIFIED DOLOSTONE RUBBLE BX Matrix composed of qtz limonite and fe carbonate. 1-3% qtz fragments up to 2 cm across. Tr gl occurs with blebs up to 5 mm across in the matrix.	81943 16.09 - 16.91	1.43	0.64	5.12	61		16.09	16.91	0.82	0.74	90.2
			18943 16.91 - 17.87	0.05	0.04	0.06	<0.01	<0.01	16.91	17.87	0.96	0.81	84.4
									16.91	17.37	0.46	0.46	100.0
16.90	18.30	PALE GREY DOLOSTONE Pale grey to grey green coarsely crystalline dolomite; more or less homogeneous. Thin 1-3mm limonite qtz/carbonate vns; 2 sets, both 45 dgrs c.a. but strike 90 dgrs different. Limonite well developed in thin rubble bx vns.	18907 18.30 - 18.50	0.58	0.37	0.95	6	0.04	18.30	18.50	0.20	0.20	100.0
									17.37	18.90	1.53	1.44	94.1

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-2 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
18.30	19.25	PALE GREY DOLOSTONE, FAULT ZONE, LIMONITE ZONE Pale grey to greygreen coursely xine dolomite. Interval is nearly entirely rubble bx. Fault planes and rubble bx zones 40 dgrs c.a.; slickensides at 45 dgrs c.a. in plane of fault 18.35 - 18.50. Nearly totally limonized zone.	18908 18.50 - 19.25	0.07	0.05	0.75	27	0.01	18.50	19.25	0.75	0.72	96.0
									18.90	20.42	1.52	1.44	94.7
									20.42	22.25	1.83	1.58	86.3
19.25	22.25	PALE GREY DOLOSTONE Pale grey coarsely xine dolostone, more or less homogenous. Near top of interval 5-30 mm thick carbonate vns with qtz cores at 30 dgrs c.a. Thinner limonitic fractures at 30-45 dgrs c.a.; amount of limonite decreasing downwards. Thin (1-2 mm) bleaching near some limonitic fractures. Crackle breccia and thin patches of rubble bx throughout. EOH 22.25 m RECOVERY = 84.9%												

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-26

AREA	LUCKY ZONE	SECTION	1+00 N	DATE Started	06-29-88 (D)
CLAIM	JEFF 4	AZIMUTH (T)	052 Degrees	DATE Completed	06-299-88 (D)
GRID CO-ORDS Line		INCLINATION	-76 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	43.28m	LOGGED BY	R. KLETTL/B. Laird
SURVEY CO-ORDS Northing	31844.98	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13521.92	DEPTH Overburden	3.87m	CORE RECOVERY	95%
ELEVATION	1737.03m	VERT. COMP.	41.80m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	11.21m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-76	052	Brunt				
43.28	-74	052	Acid				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.87	OVERBURDEN				
3.87	23.95	D(F)				
23.95	24.99	OZ	1.04	0.46	0.60	24.47
24.99	43.28	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
7.87	10.18	4.36	0.012	93.3%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-26 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.87												
3.87	11.00	DARK GREY MEDIUM GRAINED FOSSILIFEROUS DOLOSTONE Core is very homogeneous and relatively nonblocky. Fossils include minor amphipora and dominantly <3% brachiopod fragments. Mottled look due to carbonate infillings; of fossils along with vnlets. 1-10 mm wide filling fractures, possible bioturbation burrows. Geopedal structures evident in vugs 5 to 35 mm wide. Last phase of fractures at about 2 dgrs to c.a. are infilled with carbonate / limonate f.f., these crosscut all other structures. Styolites present at about 80 - 90 dgrs to c.a. Often contain limonitic coats. Dark carbonaceous material along them.								3.87	5.18	1.31	1.28	98.0
									5.18	6.71	1.52	1.41	93.0
									6.71	8.23	1.52	1.44	95.0
									8.23	9.75	1.52	1.35	89.0
11.00	12.40	MED GREY SLIGHTLY BLEACHED MED GRAINED DOLOSTONE Pressure solution "styolites" produced a crackle type breccia looking effect. Styolites random to c.a. are often infilled along contacts by limonite, carbonaceous material. Vugs infilled by geopedal qtz; often are found along larger carbonate vnlets 20 dgrs to c.a. about 10 mm thick.							9.75	11.28	1.53	1.50	98.0
									11.28	12.80	1.52	1.43	94.0
									12.80	14.33	1.53	1.44	94.0
12.40	15.05	DARK GREY HOMOGENEOUS DOLOSTONE Relatively undisturbed core with thin carbonate vnlets 1-3 mm wide and associated limonitic stain. Large qtz vnlets and vug filling is dominant running 10 dgrs to c.a. 2 and 5 mm wide. Large vugs 40 mm wide are infilled with carbonate, with content of the vug filled with qtz.							14.33	15.85	1.52	1.38	91.0
									15.85	17.37	1.52	1.49	98.0
15.05	22.30	DARK GREY HOMOGENEOUS FOSSILIFEROUS MUDDY DOLOSTONE Very homogenous unit. Very good coring. Unit varies in fossil composition by amphipora rich zones (20%) which give way to zones of ? ripped up stromatoporoids at 17.9-18.9 m. Recrystalization makes identification difficult. Argillaceous or carbonaceous layer 10-20 cm exist where core splits with a phyllitic feel along planes 50 dgrs to c.a. Large vugs appear as a response to pressure exsolution, infilled by an early carbonate phase, followed by a quartz rich phase. Alteration or oxide zones restricted to very thin fractures, few in #							17.37	18.90	1.53	1.50	98.0
									18.90	20.42	1.52	1.51	99.0
									20.42	21.95	1.53	1.47	96.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-26 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
22.30	23.47	LIGHT MED GREY SLIGHTLY BLEACHED DOLOSTONE Core cracked by pressure solution boundaries with limonitic contacts. Core broken badly with oxidized fracture faces about 90 and 5 dgrs to c.a.							21.95	23.47	1.52	1.20	79.0
23.47	23.95	GREEN BROWN FINE GRAIN DOLOMITE MUDSTONE/MUDDY DOLOSTONE Bleached; limonitic; vuggy	81944 23.47 - 23.95	0.21	0.09	0.94	25		23.47	23.95	0.48	0.48	100.0
23.95	24.99	OZ LIMONITE REPLACED SILICIFIED BLEACHED MUDSTONE RUBBLE BX 30% limonite as matrix w/ fe carbonate and up to 40% limonite as replacement of dolostones. Contains 1-3% pyrite in a red oxidized vn 1 cm wide at 15 dgrs to c.a. Trace gl occurs assoc w/ pyrite in blebs up to 5 mm across.	81945 23.95 - 24.99	7.87	10.18	4.36	395		23.95	24.99	1.04	0.97	93.3
24.99	26.52	GREY BLEACHED SILICIFIED MUDSTONE MOSAIC BX Matrix composed of quartz-carbonate and minor fe-carbonate and limonite. 1% pyrite occurs along fractures at 25 dgrs and 40 dgrs to c.a. w/ 15 dgrs between fractures. Trace- 1% gl occurs in blebs up to 5 mm across w/ pyrite.	81946 24.99 - 26.52	0.55	0.58	0.42	110		24.99	26.52	1.53	1.46	95.4
26.52	29.02	LIGHT GREY BLEACHED HOMOGENEOUS SILTY DOLOSTONE Excellent coring, long continuous unbroken runs, small carbonate vnlets 1-8 mm wide with associated limonite and small fine grained pyrite cubes along fractures. Galena occurs as fine grained <1 mm cubes along fractures and in thin vnlets 2-7 mm wide 30 dgrs to c.a. Pyrite vnlets also occur crosscutting core randomly.	81997 26.52 - 28.04	0.65	0.65	0.40	99	0.01	26.52	28.04	1.52	1.50	99.0
									28.04	29.57	1.53	1.48	97.0
									29.57	31.09	1.52	1.50	99.0
									31.09	32.61	1.52	1.47	97.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-26 PROPERTY KETZA

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
29.02	43.28	VERY HOMOGENEOUS MED GREY SLIGHTLY BLEACHED ? SILTY DOLOSTONE Incredibly homogeneous unit, the same throughout the measured length with no visable change in uniformity. Core is stricken with thin carbonate vnlets and fracture filled 1-3 mm wide. These appear as light red brown stringers with very thin limonitic halos. There seems to be 3 periods of fracturing with a later phase crosscutting these at about 30 dgrs to c.a. Amount of fractures make orientation difficult. Concoidal fracture faces may suggest some silicification as tr qtz vnlets and vugs crosscut at about 35 dgrs to c.a. Fracturing produces a large zone of crackle breccia in zones nonpenatrative across the core diameter with depth dominant fracture is about 65 dgrs to c.a. at 39 m. Styolites are present only in very restricted zone. Often are associated with one phase of fracture. No fossils in evidence. No sign of faulting in unit but fracture set produce a crackle type breccia with angular clasts 5-15 mm set in a limonitic matrix. Note: Completely dissolves in 30% HCL about 2% qtz siltsized clasts; a 1% carbonaceous material "not silicified".							32.61	34.14	1.53	1.50	97.0
									34.14	35.66	1.52	1.50	99.0
									35.66	37.19	1.53	1.49	98.0
									37.19	38.71	1.52	1.51	99.0
									38.71	40.23	1.52	1.46	96.0
									40.23	41.76	4.53	1.40	91.0
									41.76	43.28	1.52	1.35	89.0
		END OF HOLE Total:									39.41	37.47	95%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-27

AREA	LUCKY ZONE	SECTION	0+85 N	DATE Started	06-30-88 (D)
CLAIM	JEFF 4	AZIMUTH (T)	000 Degrees	DATE Completed	06-30-88 (D)
GRID CO-ORDS Line		INCLINATION	-90 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	20.42m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	31832.55	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13530.22	DEPTH Overburden	3.53m	CORE RECOVERY	
ELEVATION	1737.06m	VERT. COMP.	20.42m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	0.00m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-90	000	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.53	OVERBURDEN				
3.53	11.28	D(F)				
11.28	15.18	LIM. DOLOSTONE	3.90	2.01	2.34	13.23
15.18	20.42	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.47	1.15	0.98	0.001	94.6%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-27 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.53	OVERBURDEN							3.53	5.18	1.65	1.49	90.0
3.53	11.28	MED GREY FOSSILIFEROUS DOLOSTONE Mottled look due to carbonate replacement of amphipora and brachiopod remanants. Carbonate f.f. and vnlets cross randomnly with associated linomitic borders. Alternating lighter and darker zones suggest recrystallization of slightly variable initial compositions of silts or micrite. Last fracture set is at 30 dgrs to c.a. and is often more limonite than previous fracture sets. Exsolution vugs along fractures infilled by carbonates, then a late phase of silica. Very homogeneous unit, no signs of brecciation, and styolites are eveident in discontinuous patches across core diameter.							5.18	6.71	1.53	1.46	95.0
									6.71	7.11	.40	.37	93.0
		FOSSILIFEROUS DOLOSTONE WITH CARBONATE LIMONITE AND FINE GRAIN GALENA Along fractures 30 dgrs to c.a., <1%, 1-4 mm wide.	18924 7.11 - 8.23						7.11	8.23	1.12	1.00	89.3
									6.71	8.23	1.52	1.40	92.0
									8.23	9.75	1.52	1.45	95.0
									9.75	11.28	1.53	1.47	96.0
11.28	12.80	BRECCIATED DARK GREY DOLOSTONE WITH GALENA BLEBS Dolostone clasts 5-30 mm, angular and often surrounded by carbonate matrix. Limonitic carbonate f.f. often contain blebs and stringers of fine grained galena about 1% in fractures in crackle to mosaic breccia. Mottled look due to carbonate in filling of vugs, brochiopod fragments and pressure solution boundaries. Most peruasive fracture which is mineralized is about 20 dgrs to c.a. or within the matrix itself.	81998 11.28 - 12.80	1.68	1.42	0.42	27	0.01	11.28	12.80	1.52	1.45	95.4
									12.80	14.33	1.53	1.39	91.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-27 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
12.80	13.20	RUBBLE BRECCIATED OXIDE ZONE WITH GALENA BLEBS STRINGERS Brecciated dolostone clasts in a limonitic carbonate matrix dolostone clasts are med grey and look slightly bleached. Galena occurs as med grained cubes 2-4 mm in fractures 35 dgrs to c.a. within the matrix as isolated blebs of random orientation about 1%.	81999 12.80 - 13.20	1.80	2.04	0.43	87	0.04	12.80	13.20	0.40	0.38	95.0
13.20	14.33	RUBBLE BRECCIA DOLOSTONE & GALENA STRINGERS Rubbly angular dolostone clasts up to 45 mm in a carbonate matrix. Limonite is limited to secondary fracture filling associated with fine grained stringer galena in fracture 2-5 mm wide at 30 dgrs to c.a. and galena not seen in matrix. Evidence of pressure solution and fractures previous to last fracture set at 30 dgrs to c.a.	82000 13.20 - 14.33	1.97	1.21	0.34	21	0.01	13.20	14.33	1.13	1.01	89.4
									14.33	15.85	1.52	1.45	95.0
14.33	15.18	LIMONITE STAINED RUBBLE BRECCIATED DOLOSTONE Bleached dolostone with darker grey dolostone clasts 3-15 m in size. No visible sulphides but strong limonitic stain at orientations 30 dgrs to c.a. which are latest and most pervasive. Very thin brown red carbonate vnlets appear at 15 m but are prior to the main fracture mentioned.	18901 14.33 - 15.18	0.27	0.15	3.09	66	0.03	14.33	15.18	0.85	?	?
									15.18	15.85	1.53	1.51	98.6
15.18	20.42	HOMOGENEOUS DOLOSTONE "BLEACHED" Excellent corring, rock is very uniform and shows no irregularities with depth. Bleaching effect left a light grey color. Small fracture sets 1-2 mm wide produce a red brown (carbonate) limonitic color from ? pyrite alteration. Small exsolution vugs lie along fractures infilled by limonitic carbonate. Larger carbonate fracture filling 2-7 mm wide form along latest crosscutting fracture set at 35 dgrs to c.a. but are not visibly mineralized. Brecciation is not seen in core, especially with increasing depth away from upper mineralized fault breccia zone.							15.85	17.37	1.52	1.52	100.0
									17.37	1.89	1.53	1.52	99.0
									18.40	20.42	2.02	1.81	90.0
		END OF HOLE 20.42m											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-28

AREA	LUCKY ZONE	SECTION	0+85 N	DATE Started	06-30-88 (D)
CLAIM	JEFF 4	AZIMUTH (T)	052 Degrees	DATE Completed	07-01-88 (N)
GRID CO-ORDS Line		INCLINATION	-73 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	37.80m	LOGGED BY	P. RAMAEKERS
SURVEY CO-ORDS Northing	31832.98	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13530.79	DEPTH Overburden	3.80m	CORE RECOVERY	87.9%
ELEVATION	1737.08m	VERT. COMP.	35.59m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	12.61m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0	-73	052	BRUNT				
37.80	-68	052	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.80	OVERBURDEN				
3.80	24.16	D(F)				
24.16	27.25	GZ	3.09	0.95	1.25	25.71
27.25	34.14	Bx LIM. DOLOSTONE				
34.14	37.80	PHYLLITE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.69	1.66	0.13	0.004	71.5%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-28 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.80	OVERBURDEN							0.00	3.80	3.80	0.00	0.0
3.80	6.81	FOSSILIFEROUS DOLOSTONE Dark grey coarsely xine dolostone; massive. Few white carb/qtz vns with v. minor limonitic stains on fracture surfaces along the vns.							3.80	5.18	1.38	1.38	100.0
									5.18	6.71	1.53	1.47	96.1
6.81	8.73	INTERBEDDED DOLOSTONE AND FOSSILIFEROUS SANDY DOLOSTONE Dolostone as above, grades downward into black, medium xine sandy dolostone with abundant fossil remains (brachiopods and stromatoporoids); sequence ends at base with styolite with 1-3 mm black cumulate. These fining upward cycles typically 5-15 cm thick.							6.71	8.23	1.52	1.35	88.8
									8.23	9.75	1.52	1.50	98.7
8.73	9.75	FOSSILIFEROUS DOLOSTONE As 3.80-6.81, but with veins at 30 dgrs c.a., 1-3 mm thick, with qtz/carbonate cement, minor hematite stain, vuggy in places.							9.75	11.28	1.53	1.53	100.0
9.75	10.40	INTERBEDDED DOLOSTONE AND FOS. SANDY DOLOSTONE As in 6.81-8.73							11.28	12.80	1.52	1.52	100.0
10.40	14.36	FOSSILIFEROUS DOLOSTONE, MASSIVE As in 3.80-6.81, but with abundant stromatoporoid and branchiopod fossil remains.							12.80	14.33	1.53	1.50	98.0
14.36	16.50	DENSE PALE DOLOMITIC SANDSTONE Med to pale grey, med to v. fine sandstone with about 40% coarsely xine dolomite cement. Some white carb/qtz vns 1-2 mm thick at 30 dgrs and a few at 5 dgrs c.a. Massive.							14.33	15.85	1.52	1.37	90.1
			18920 16.50 - 17.37	0.04	0.05	0.04	30	<0.01	16.50	17.37	0.87	0.76	87.4
									15.85	17.37	1.52	1.41	92.8

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-28 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
16.50	20.42	DOLOSTONE, FAULT ZONE, MINERALIZED (<1%Pbs) dark grey, coarsely crystalline, fossiliferous & unfoss. dolostone. White carb & qtz veins @10-30 deg ca. Rubble bx @16.50m (1cm) 17.00 (3cm), with minor galena; 18.30-18.80m (dark limonite alteration). Breccias @ 30 deg c.a. Less than 1% Pbs.	18921 17.37 - 18.90	0.09	0.08	0.02	27	<0.01	17.37	18.90	1.53	1.43	93.5
			18922 18.90 - 20.42	0.68	0.05	0.03	36	0.02	18.90	20.42	1.52	1.52	100.0
20.42	21.64	VERY FOSSILIFEROUS DOLOSTONE Dark grey, coursely xine dolostone with abundant stromatoporoids and brachiopods. Massive.	18923 20.42 - 21.64	0.03	0.01	0.01	15	<0.01	20.42	21.64	1.22	1.00	82.0
21.64	23.16	DOLOSTONE, FRACTURED, GALENA ZONE (ABOUT 1% PBS) Dark grey coarsely xine dolostone; no fossils; carbonaceous, phyllictic partings (styloyle cumulate?) Qtz filled fractures 1-5mm wide, usually lined by dark brown limonite at the wallrock contact, then pale yellow carbonate with qtz in the center. Vugs to 4m wide filled in the same sequence. Blebs of galena in the veins. Irregular vns and crackle bx zone 4cm wide at 20-30 dgrs c.a.	18909 21.64 - 23.16	0.26	0.30	0.09	33	<0.01	21.64	23.16	1.52	1.45	95.4
23.16	24.16	LIMONTIC DOLOSTONE Dark grey, dark brown coarsely xine dolostone; no fossils. Irregular 1-4 mm wide dolomite vns. 23.16-23.50 mosaic bx filled with v. coarse dolomite and late qtz. Minor galena and sphalerite? in crackle bx.	18910 23.16 - 24.16	0.14	0.09	0.10	51	0.01	23.16	24.16	1.00	1.00	100.0
24.16	25.53	DOLOSTONE, FAULT ZONE, GALENA ZONE (2-5% PBS) Dark grey (at top) to med grey, coarsely xine, unfossiliferous dolostone. Entire interval rubble fault bx, progressively more limonitized downwards. Cement in bx qtz, carbonate, limonite and galena. Shears and limits of bx at 20-40 dgrs to c.a.	18911 24.16 - 25.53	2.95	3.10	0.10	207	0.01	24.16	25.53	1.37	1.08	78.8
25.53	26.70	PALE DOLOSTONE, FRACTURED Medium grey coarsely xine dolostone, unfossiliferous; vns at about 30-40 and 0 dgrs c.a. Limonite, qtz, dolomite, along fracture surfaces.	18912 25.53 - 26.70	0.45	0.50	0.05	78	<0.01	25.53	26.70	1.17	0.63	53.8
26.70	27.25	LIMONITIC, SHEAR ZONE Orange and dark brown limonite and "sandy" green loosely cohesive altered dolostone. Bordered by dark grey, coarsely xine dolostone. Probably a pyritored	18913 26.70 - 27.25	1.17	0.52	0.40	75	0.06	26.70	27.25	0.55	0.50	90.9
27.25	28.52	PALE DOLOSTONE, FRACTURED As in interval 25.53 - 26.70.	18914 27.25 - 28.52	0.22	0.14	0.54	24	0.01	27.25	28.52	1.27	1.04	81.9

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-28 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
28.52	29.57	PALE DOLOSTONE, BX, FAULT ZONE, LIMONITIC Pale to med grey coarsely xine dolostone intensely crackle to rubble brecciated with strong limonitic alteration and minor galena in breccia cement sheers at 30-40 dgrs c.a.	18915 28.52 - 29.57	0.81	0.64	2.62	162	0.02	28.52	29.57	1.05	0.60	57.1
29.57	31.09	PALE DOLOSTONE, FAULT BX, OXIDE ZONE (<1% PBS) Pale dolostone coarsely xine; entire interval intensely crackle to rubble brecciated with intense limonitic alteration; galena blebs disseminated through cement.	18916 29.57 - 31.09	0.82	0.77	3.19	81	0.02	29.57	31.09	1.52	1.43	94.1
31.09	32.61	DOLOSTONE, BX FAULT ZONE, LIMONITIC Identical to unit 28.52-29.57.	18917 31.09 - 32.61	0.37	0.13	2.50	81	0.01	31.09	32.61	1.52	1.19	78.3
32.61	34.14	DOLOSTONE RUBBLE BX, FAULT LIMONITIC Interval 95% limonitic rubble bx.	18918 32.61 - 34.14	0.09	0.11	1.98	30	0.01	32.61	34.14	1.53	1.12	73.2
34.14	35.66	DOLOSTONE PHYLLITE FAULT CONTACT LIMONITIC Limonitized sheared, grey coarsely xine dolostone to pale grey limonitic phyllite at lower end of interval. Phyllite laminae @30 deg c.a.	18919 34.14 - 35.66	0.04	0.05	0.42	18	<0.01	34.14	35.66	1.52	1.25	82.2
35.66	37.20	PALE GREY PHYLLITE Pale grey, phyllite with brown and clear sericite on laminae. Phyllite laminae interbedded with grey dolomite near base of interval.							35.66	37.80	2.14	1.63	76.2
37.20	37.80	PHYLLITIC DOLOSTONE Dark grey, coarsely xine dolostone with limonitic, sericitic phyllite partings. Qtz and carbonate vns 1-5 mm thick common. Contact with phyllites at 30 dgrs to c.a.											
		END OF HOLE 37.80M											
		RECOVERY = 87.90%											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-29

AREA: LUCKY ZONE
SECTION: 1+10 N
DATE: Started 07-01-88 (D); Completed 07-01-88 (N)
CLAIM: JEFF 4
AZIMUTH (T): 000 Degrees
GRID CO-ORDS: Line; Station
INCLINATION: -90 Degrees
CONTRACTOR: E. CARON DIAMOND DRILLING
DEPTH: Hole 20.12m; Casing; Overburden 92.0%
LOGGED BY: R. KLETTL
SURVEY CO-ORDS: Northing 31852.76; Easting 13515.60
CORE SIZE: HQ
CORE RECOVERY:
ELEVATION: 1736.37M
VERT. COMP.: 20.12m
CORE STORED AT: YMC CAMP CORE RACK
STICK UP:
HORIZ. COMP.: 0.00m
COMMENTS:

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-90	000	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	2.63	OVERBURDEN				
2.63	6.17	DOLOSTONE				
6.17	9.73	D(F)				
9.73	10.94	Bx D(F) ZONE?	1.21	0.76	0.98	10.34
10.94	20.12	b, 1 dOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.04	0.03	0.17	0.001	74.4%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-29 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	2.63	OVERBURDEN							2.63	3.34	0.71	0.65	92.0
2.63	6.17	HOMOGENEOUS RECRYSTALIZED MED GREY DOLOSTONE Core very rubbly in about 3.0 m. Intense limonite fracture filling of many orientations 1-5 mm thick associated with silicification along qtz f.f. Styolites serve as breakage planes and have Mn stain along them. Brecciated angular dolomite clasts often separated by carbonate and/or qtz matrix. Last fracture event is dominant at about 22 dgrs to c.a. Significant lack of visible fossils and sulphides.							3.34	4.86	1.52	1.40	92.0
									4.86	5.78	0.92	0.81	88.0
									5.78	6.69	0.91	0.89	98.0
6.17	9.73	MED GREY FOSSILIFEROUS DOLOMITE Separation of units separated by a styolite with 6.17-9.73 having numerous recrystalized amphipora branchiopod fragments along with small 5 mm to 15 mm bulbuous "stachyodes"? Brachiopod shells increase with depth and amphipora decrease. Vnlets are more siliceous with limonitic edges 1-5 mm wide. Nonpenetrative fractures with rusty brown oxidized faces run about 35 dgrs to c.a. Mottling effect possibly due to silicified bioturbation burrows which run perpendicular to c.a.											
									6.69	8.21	1.52	1.38	91.0
									8.21	9.73	1.52	1.50	99.0
9.73	10.94	BLEACHED BRECCIATED LIGHT GREY DOLOSTONE Recrystalized dolomite is a lighter bleached color and breciation has destroyed any sign of fossils. Numerous styolites act as planes for later limonite. Carbonate fracture filling. Dominant fracture plane runs 35 dgrs to c.a. This looks to be similar to foot wall rocks encountered in other holes, possibly suggesting the hole missed the vn zone at depth.							10.94	12.42	1.48	1.42	96.0
									12.42	13.68	1.26	1.16	92.0
									13.68	15.20	1.52	1.45	95.0
10.94	15.40	MED GREY DOLOSTONE Homogeneous unit relatively nonbrecciated crosscut by random limonite carbonate vnlets 2-6 mm wide with numerous small to large qtz vnlets and vugs infilling up to 35 mm wide. Presence of amphipora and styolites with no visible suphides. >brecciation at 15 m. Most visible fractures at 36 d to c.a.	18938 9.73 - 10.94	0.04	0.03	0.17	18	<0.01	9.73	10.94	1.21	0.90	74.4

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-29 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
15.40	16.11	TRANSITION ZONE BETWEEN HOMOGENOUS DOLOSTONE MED GREY TO DOLOSTONE Of light grey "leached" limonitic zone 10 cm wide with no sulphides visible. Zone is quite gouged and broken lacking mineralization except for minor Mn staining.	81983 15.40 - 16.11	0.04	0.03	0.43	21	<0.01	15.40	16.11	0.71	0.63	88.7
									16.11	17.02	0.99	0.72	73.0
									17.02	18.54	1.52	1.44	95.0
									18.54	20.06	1.52	1.48	97.0
16.11	17.02	BLEACHED AND BRECCIATED LIGHT GREY RECRYSTALIZED DOLOSTONE Thin limonite/carbonate fracture filling vnlets randomly orientated in core. Major fractures at 39 dgrs to c.a. Lower foot wall of questionable fault zone sampled above.	81984 16.11 - 17.02	0.01	0.02	0.14	5	<0.01	16.11	17.02	0.91	0.72	79.1
17.02	20.06	BLEACHED DOLOSTONE OF ? FOOTWALL Same as sampled zone above with a decrease in brecciation with depth and elongation of dolomote clasts surrounded by carbonate/limonite fracture filling.											
		END OF HOLE 20.06m											
		RECOVERY 92.0%											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-30

AREA	LUCKY ZONE	SECTION	1+10 N	DATE Started	07-01-88 (N)
CLAIM	JEFF 4	AZIMUTH (T)	052 Degrees	DATE Completed	07-02-88 (D)
GRID CO-ORDS Line		INCLINATION	-78 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	27.43m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	31853.12	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13516.07	DEPTH Overburden	2.43	CORE RECOVERY	91.9%
ELEVATION	1736.07m	VERT. COMP.	26.83m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	5.70m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-78	052	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	2.43	OVERBURDEN				
2.43	15.85	D(F)				
15.85	17.37	OZ	1.52	0.91	1.18	16.61
17.37	19.30	D(F)				
19.30	27.43	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.89	0.32	1.45	0.019	84.9%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-30 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag os\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	2.43	OVERBURDEN							2.43	3.34	0.91	0.78	86.0
2.43	6.25	FOSSILIFEROUS DARK GREY RECRYSTALIZED DOLOSTONE Styolites common 50 dgrs to c.a. with mottled look from carbonate vnlets along fractures infilling of bioturbatron burrows. Amphipora common with an increase in brachiopod fragments with depth. Homogeneous unit with dominant fractures at 50 dgrs and 20 dgrs to c.a. causing a blocking in core.							3.34	5.09	1.75	1.49	85.0
									5.09	6.25	1.16	1.13	97.0
6.25	10.45	MOTTLED FOSSILIFEROUS DARK GREY DOLOSTONE Amphipora give way to larger recrystalized spherical stachyodes? with some rugose corals and apparent bioturbation. Geopetal structures seen in infilled vugs with numerous brochiopod fragments. Qtz seems to be dominant infilling material with limonitic halos in addition to carbonate/limonite vnlets. Styolites act as planes of weakness where dark ?carbonaceous material has accumulated with limonitic halos. No dominant fracture orientation exists at core and quite homogeneous and not broken.							6.25	6.71	0.46	0.44	96.0
									6.71	8.23	1.52	1.41	93.0
10.45	12.14	HOMOGENEOUS DARK GREY DOLOSTONE Massive dark dolostone showing no apparent fossils with numerous carbonate/liminite fracture filling running close to parallel with c.a. ranging 1-3 mm thick. Major fracture runs about 10 dgrs to c.a. Evenly spaced 10-15 mm apart. Excellent recovery and coring. Styolites are not as apparent and mottling as well reduced drasticly.	18936 11.28 - 12.14	<0.01	<0.01	0.01		<0.01	11.28	12.14	0.86	0.81	94.2
12.14	12.80	BRECCIATED ?FAULT ZONE? 1-2% GALENA & MINOR LIMONITE Sharp angular dolostone fragments (5-30 mm) in a limonitic carbonate matrix. Amphipora still visible along with large styolites giving 20 mm displacement with dark carbonaceous accumulations along contacts. Galena occurs in small pods 2-10 mm wide, not in thin fractures or vnlets and occurs as very fine grained cubes <1 mm with 1% black sphalerite in association. Most likely a replacement zone.	81989 12.14 - 12.80	1.37	0.94	1.22	39	<0.01	12.14	12.80	0.66	0.60	90.9
			18937 12.80 - 14.33	0.01	<0.01	0.01		<0.01	12.80	14.33	1.53	1.50	98.0
12.80	15.85	DARK GREY FOSSILIFEROUS RECRYSTALIZED DOLOMITE Homogeneous dolostone with scattered amphipora accumulations. Numerous geopetal qtz infillings of vugs. ?Bioturbation bullows along with carbonate/limonitic vnlets. Styolites act as breaking planes mainly perpendicular to c.a. Zones of core seem carbonaceous enriched with a dark slippery graphitic feel. sl							12.80	14.33	1.53	1.50	98.0
									14.33	15.85	1.52	1.40	92.0
			81990 15.13 - 15.85	0.02	0.02	0.04	17	<0.01	15.13	15.85	0.72	0.58	80.6

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-30 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
15.85	16.25	OXIDE ZONE: HIGHLY OXIDIZED GREY DOLOSTONE WITH PRESERVED STYOLITE & AMPHIPORA And some brecciation. Small blebs of fine grained galena <1 mm cubes in 5 mm blebs in a red brown limonitic gouge. (Most of which is not preserved in core). Sulphides earlier present in a vuggy qtz vning brecciated zone 12 cm wide.	81991 15.85 - 16.25	2.74	0.82	2.58	20.98	0.09	15.85	16.25	0.40	0.28	70.0
									15.85	17.37	1.52	1.27	83.0
16.25	19.30	DARK GREY FOSSILIFEROUS COURSE GRAINED DOLOSTONE Recrystalized amphipora, rugose corals and bioturbation burrows with nonlimonitic carbonate infilling with minor qtz vlets 1-5 mm wide. Non brecciated with graphitic/carbonaceous zones about 5 cm wide. Spotty galena <1% blebs approx. 7mm wide in carbonate/limonite veinlets which seem the latest and most extensive fracture planes along vnlets which crosscut all earlier carbonate and qtz vnlets at about 20 dgrs to c.a.	81992 16.25 - 17.37	0.23	0.14	1.04	103	0.01	16.25	17.37	1.12	1.01	90.2
			81993 18.35 - 18.65	0.50	0.30	1.57	52	0.01	18.35	18.65	0.30	0.30	100.0
2 19.3	19.73	HOMOGENEOUS CARONACEOUS THINLY LAMINATED DOLOSTONE Dark grey dolostone, deep coloration due to carbon accumulation dissected by thin 1-2 mm vnlets of carbonate qtz. Laminations 45 dgrs to c.a. spaced 2-3 mm apart.							17.37	18.90	1.53	1.51	99.0
									18.90	20.42	1.52	1.48	97.0
		DARK GREY DOLOSTONE WITH NUMEROUS THIN RANDOM CARBONATE & QTZ VNLETS Last phase of carbonate/limonitic vnlets along fractures 1-10 mm thick contain 2% fine grained galena blebs with cubes < 1 to 2 mm in size. Sulphides seem to terminate where more carbonaceous rocking encountered on both ends of this zone.	81994 19.73 - 20.42	0.44	0.26	0.70	63	0.01	19.73	20.42	0.69	0.61	88.4
									20.42	21.95	1.53	1.33	87.0
									21.95	23.49	1.54	1.25	81.0
									23.49	24.99	1.50	1.36	90.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-30 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
20.42	20.67	CARBONACEOUS DOLOSTONE Dark grey highly broken carbonaceous dolostone where fractures have erased earlier laminations. Limonitic/carbonate vnlets 2-8mm thick. No visible sulphides.	81995 20.57 - 21.26	0.21	0.17	1.07	47	<0.01	20.57	21.26	0.69	0.57	82.6
20.67	24.37	DARK GREY RECRYSTALIZED DOLOSTONE Homogeneous unfossiliferous massive unit with sporadic thin 1-3 mm carbonate/limonitic vnlets along fractures 20 dgrs to c.a. Larger openings and vugs filled by qtz which predate the carbonate vnlets which displace the qtz stringers. Few styolites present with a major and latest fracture set 80 dgrs to c.a. with yellow brown limonitic stain on them.							24.99	27.43	2.44	2.15	88.0
24.37	27.43	BLEACHED LIGHT GREY DOLOSTONE Light grey massive homogeneous unit with alternating zones of limonitic stain where fracturing increases. Contact with upper unit at 24.37 lost in coring. Sudden change reflects a possible fault at fracture plane 25 dgrs to c.a. Thin brown red limonitic carbonate vnlets cross randomly through rock along previous fractures. At depth, rock appears to become siltier with less carbonate vnlets and may approach being a dolomitized siltstone or porous replaced silty sandstone. It takes on a cleaner lighter color. Fossils are not evident or any sulphides. Major fracture at 40 dgrs to c.a. END OF HOLE 27.43m RECOVERY 91.9% ? *Recoveries not calculated between 8.23 - 11.28m	81996 24.32 - 24.99	0.17	0.05	3.35	12	0.02	24.32	24.99	0.67	0.57	85.1

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-31

AREA	PN ZONE	SECTION	0+60 N	DATE Started	07-21-88 (D)
CLAIM	JEFF 3	AZIMUTH (T)	265 Degrees	DATE Completed	07-22-88 (D)
GRID CO-ORDS Line		INCLINATION	-45 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	35.66m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	31775.41	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13419.58	DEPTH Overburden	4.27m	CORE RECOVERY	67.0%
ELEVATION	1736.76m	VERT. COMP.	25.22m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	25.22m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	265	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	4.27	OVERBURDEN				
4.27	12.19	DOLOSTONE				
12.19	13.36	QUARTZ VEIN				
13.36	24.69	DOLOSTONE				
24.69	25.60	VEIN ZONE	0.92	0.90	1.13	25.15
25.60	27.34	DOLOSTONE Bx				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.83	3.39	2.62	0.001	77.2%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT D.D.H. YM88-31

AREA

CLAIM

GRID CO-ORDS Line / Station

SURVEY CO-ORDS Northing / Easting

ELEVATION

STICK UP

COMMENTS

SECTION

AZIMUTH (T)

INCLINATION

DEPTH Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
27.34	28.40	VEIN ZONE	0.86	0.82	0.83	27.87
28.40	35.66	DOLOSTONE (+)(-)Bx				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
5.01	4.59	1.99	<0.001	88.4%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-31 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	4.27	OVERBURDEN							4.27	5.79	1.52	0.91	60.0
									5.79	6.71	0.92	0.48	0.52
4.27	8.60	NONFOSSILIFEROUS DARK GREY DOLOSTONE Very blocky core causing poor recovery up to 10 cm blocks. Dark grey relatively fresh dolostone with pervasive limonitic carbonate fractures 2-7 mm wide which represent at least 2 fracture periods. A later phase of fracturing at 55 dgrs to c.a. is characteristic of qtz vning with thin limonitic halos. Limonitic fracture faces constitute about 1% of total.							6.71	7.50	0.79	0.45	57.0
									7.50	8.23	0.73	0.44	60.0
8.60	12.19	NONFOSSILIFEROUS DARK GREY DOLOSTONE More competant core with considerably less fracturing. Thin limonitic/carbonate fractures at 45 dgrs to c.a. with later superimposed qtz f.f. at same angle. Quite dense homogeneous unit.							8.23	9.14	0.91	0.67	74.0
									9.14	10.36	1.22	0.71	58.0
									10.36	11.58	1.22	0.28	23.0
									11.58	12.19	0.61	0.52	85.0
									12.19	13.11	0.92	0.60	65.0
12.19	13.36	QUARTZ VEIN ZONE Barren white qtz material. 40 dgrs to c.a. contact with dark grey dolostone wall rock which crosscut earlier thin 1.2 mm limonitic carbonate fractures which run 40 - 45 dgrs to c.a. Vein contacts very sharp with thin limonitic halos. Vein zone includes a bleached and brecciated zone of altered angular dolostone clasts in a light brown qtz and carbonate matrix. End of vein zone the qtz is redder with increased iron stain. Small inclusions of chloritic and sericite pelitic bands are common. No visible sulphides present.	81028 12.19 - 13.36	0.17	0.09	0.83	20	0.02	12.19	13.36	1.17	0.67	57.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-31 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
13.36	17.37	HOMOGENEOUS DARK GREY DOLOSTONE Dark competant unit consistant across measured length with limonitic stained carbonate filled fractures. Loss of core due to grinding in fractured zones. Styolites appear here with small exsolution vugs 2-4 mm along them and often small limonitic - red pyritic weathering stain on edges. Qtz vnlets 7mm wide run 45-50 dgrs to c.a. Superimpose earlier fracturing.							13.11	13.90	0.79	0.53	67.0
									13.90	15.24	1.34	1.08	81.0
									15.24	15.73	0.49	0.32	65.0
									15.73	16.76	1.03	0.47	46.0
									16.76	17.37	0.61	0.25	41.0
17.37	18.29	POSSIBLE VEIN ZONE Poor recovery due to ground core. Blocky core with limonitic f.f. along 35 dgrs to c.a. Planes 1-5 mm wide producing a crackle breccia. Possible vein zone mainly lost at about 17.6 m where a ground 6 cm zone shows strong limonitic alteration and bleaching. Core on both sides are lighter than seen above but very hard to distinguish.	81029 17.37 - 18.29	0.06	0.07	0.03	12	0.01	17.37	18.29	0.92	0.41	44.6
									18.29	19.20	0.91	0.40	44.0
18.29	20.73	HOMOGENEOUS LIGHT GREY DOLOSTONE Slightly bleached light grey dolostone consistant across measured length. Numerous thin limonitic/carbonate fractures 1-3 mm wide 65-70 dgrs to c.a. with enlarged vugs up to 10 mm due to pressure solution. These are a later event infilled with anhedral qtz with thin limonitic halos. Tension fractures 35 mm long and 6 mm wide in parallel series infilled with qtz at 35 dgrs to c.a.							19.20	20.73	1.53	1.28	84.0
20.37	24.69	MED GREY DOLOSTONE Slightly bleached, quite blocky core. Core breaks along exsolution cavities formed along styolites at 75-80 dgrs to c.a. These vugs lined by thin 1 mm limonitic halos. Previous fracturing at random high angles are thin (1-2 mm) and penetrate core diameter. Fracturing produces a crackle type breccia which becomes more pronounced where core is not ground. here core is not ground.							20.37	22.25	1.88	1.46	78.0
									22.25	22.86	0.61	0.40	66.0
									22.86	23.47	0.61	0.54	89.0
									23.49	24.69	1.22	0.36	30.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-31 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
24.69	25.44	CRACKLE BRECCIA With dolostone clasts 5-20 mm, angular, set in a mat4rix of thin 1-3 mm limonitic/carbonate fracture fillings generally random in orientation, superimposed by a fracture set at perpendicular angle to c.a. Slighly bleached in color, becoming more limonitic near 25.44.	81030 24.69 - 25.44	0.33	0.22	2.42	20	0.02	24.69	25.44	0.75	0.54	72.0
25.44	25.48	VEIN ZONE Massive med grained galena with very sharp limonitic contact with hanging and footwalls at 75 dgrs to c.a. Complete recovery ? yellow streaks may be minetite.	81031 25.44 - 25.48	55.50	70.9	0.27	27	1.90	25.44	25.48	0.04	0.04	100.0
25.48	25.61	BLEACHED DOLOMITE FOOTWALL Light limonitic yellow/brown in colour mosaic breccia, where dolomite clasts appear quite broken and edges are broken and rounded and are generally more elongated 5-15 mm. Thin qtz vnlets crosscut at 45-50 dgrs to c.a. Small qtz blebs and stringers suggest possible silcification. Light brownish smears may be sphalerite.	81032 25.48 - 25.61	1.05	0.92	4.53	23	0.09	25.48	25.61	0.13	0.13	100.0
									24.69	26.36	1.67	1.43	86.0
25.61	26.36	BROKEN BRECCIATED LIGHT GREY DOLOSTONE Mosaic breccia near 25.61 - 25.75 with rounded clasts 7-15 mm. Zone contains numerous fracture sets with thin limonitic halos along carbonate fracture fillings @25 deg c.a. & 55 deg c.a. with exsolution cavities infilled with white qtz. Weathered pyrite/limonite only sulphides except possible sphalerite which is not visibly present.	81033 25.61 - 26.36	0.08	0.06	0.26	9	<0.01	25.61	26.36	0.75	0.74	98.7
									24.69	26.36	1.07	1.43	86.0
26.36	27.34	BRECCIATED ZONE BETWEEN VEINS Med grey mosaic breccia with large angular clasts of dolomite with thin 2-3 mm limonitic/carbonate matrix superimposed by a parallel set of fractures at 50 dgrs to c.a.	81034 26.36 - 27.34	0.12	0.07	0.13	11	0.01	26.36	27.34	0.98	0.86	87.8
27.34	28.04	BLEACHED MOSSAIC DOLOSTONE BRECCIA Light grey colour with large angular clasts separated by limonitic fracture filling and like above sample.	81035 27.34 - 28.04	0.08	0.09	1.18	8	0.01	27.34	28.04	0.70	0.60	85.7
									26.36	28.04	1.68	1.46	87.0
28.04	28.14	VEIN ZONE Bleached rubble brecciated dolostone with limonitic fracture fillings along thin 1-4mm fractures with disseminated galena blebs 2-10mm and fine grained galena stringers 1-3mm wide. Galena constitutes about 5% of sample and smeary brown material may be sphalerite.	81036 28.04 - 28.14	6.55	5.24	7.70	26	0.10	28.04	28.14	0.10	0.10	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-31 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
28.14	28.20	VEIN ZONE Massive med grained galena with thin discontinuous qtz and limonitic pods, very sharp contacts with wallrock at 50 dgrs to c.a. Contacts are very sharp, bright oxidized surfaces.	81037 28.14 - 28.20	60.00	56.00	1.99	61	0.29	28.14	28.20	0.06	0.06	100.0
28.20	30.48	HOMOGENEOUS LIGHT GREY BRECCIATED DOLOSTONE Slightly bleached dolostone clasts set in a limonitic/carbonate matrix of fracture infillings 1-4 mm wide generally in a parallel set 45 dgrs to c.a. Styolites have a dark ? carbonaceous film along contacts generally at high angles to core axis. Sheen of core suggests possible minor silicification, or a sandy component to the dolostone. Core becomes ground with depth. ?More cherty looking. Last fracture set 50 - 55 dgrs to c.a. Have limonitic halos and more siliceous fracture fillings.	81038 28.20 - 29.57	0.24	0.19	0.63	12	0.01	28.20	29.57	1.37	1.34	97.8
									28.04	29.57	1.53	1.50	98.0
									29.57	30.48	0.91	0.37	41.0
30.48	35.66	HOMOGENEOUS MEDIUM GREY RECRYSTALIZED DOLOSTONE Very competant unit throughout measured zone and shows very little change. Relatively fresh with major fracturing at 75-80 dgrs to c.a. Carbonate f.f. with very little limonitic stain in parallel fracture sets "decreasing" in number with depth. Shows no sign of brecciation or intense deformation, cherty look in zones suggestive of silicification.							30.48	31.09	0.61	0.56	92.0
									31.09	32.92	1.83	0.58	32.0
									32.92	34.14	1.22	1.08	89.0
		END OF HOLE 35.66 M.							34.14	35.66	1.52	1.46	96.0
		TOTAL RECOVERY 67%							4.27	35.66	31.39	21.02	67.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-32

AREA	PN ZONE	SECTION	0+60N	DATE Started	07-22-88 (D)
CLAIM	JEFF 3	AZIMUTH (T)	265 Degrees	DATE Completed	07-24-88 (D)
GRID CO-ORDS Line		INCLINATION	-66 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	51.82m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	31775.48	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13420.65	DEPTH Overburden	3.66m	CORE RECOVERY	94.3%
ELEVATION	1736.79m	VERT. COMP.	47.34m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	21.08m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-66	265	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	3.66	OVERBURDEN				
3.66	6.21	PHYLLITE				
6.21	8.23	DOLOSTONE				
8.23	9.75	QUARTZ VEIN				
9.75	27.43	DOLOSTONE				
27.43	28.04	VEIN ZONE	0.61	0.56	0.77	27.74

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
6.09	6.54	1.02	0.001	82.0%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-32

AREA

CLAIM

GRID CO-ORDS — Line / Station

SURVEY CO-ORDS — Northing / Easting

ELEVATION

STICK UP

COMMENTS

SECTION

AZIMUTH (T)

INCLINATION

DEPTH — Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE — Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
28.04	32.92	D(F)				
32.92	51.82	DOLOSTONE(+)(-)P1				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-32 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.66	OVERBURDEN							3.66	5.18	1.52	1.33	87.5
3.66	6.21	BROWN, OXIDIZED PHYLLITE Light brown homogeneous qtz, sericite phyllite with foliation 45 dgrs to c.a. Core is easily broken along fissility planes and becomes more competant with depth. Approaching 5.6 m., qtz blebs and stringers appear and fractures become more limonitic.							5.18	6.71	1.53	1.38	90.2
6.21	8.23	QUARTZ VINING IN MED GREY DOLOSTONE Relatively fresh unaltered med grey dolostone with clean breakage planes interupted by barren white qtz veins generally 10-30 mm wide with thin 2 mm wide limonitic/carbonate halos which often contain angular <1 cm dololostone clasts about 30 dgrs to c.a. Smaller thin 1-5 mm carbonate limonitic fracture fillings preceeded qtz vining at random orientations. Near contact with upper phyllites, small flakey bands of dark chloritic phyllitic clasts are evident. Brecciation becomes evident at 7.5, where early fracturing is more condensed and secondary qtz veining has brecciated the fractured dolostone. No visible sulphides.	81039 6.21 - 8.23	<0.5	65	212	8	23	6.21	8.23	2.02	1.86	92.1
									6.71	8.23	1.52	1.50	98.7
8.23	9.75	WHITE QUARTZ VEIN Barren white quartz, massive with intraclasts of very brecciated med grey angular dolostone fragments and scattered limonitic weathered carbonate halos. Slickenslide surface at 9.15 at a plane 45 dgrs to c.a. marked by limonitic halos. No visible sulphides.	81040 8.23 - 9.75	0.70	88	115	10	28	8.23	9.75	1.52	1.44	94.7
9.75	11.94	QUARTZ VEINING AND BRECCIATED DOLOSTONE Highly fractured massive qtz vein with layers of dolostone brecciated intraclasts and 15 cm zone of brecciated dolostone. Qtz has limonitic stain from caronate/limonitic fracture filling and 50 ft green grey clasts of argillic alteration of possible wall rock intraclasts. No visible sulphides.	81041 9.75 - 11.94	2.60	77	184	12	65	9.75	11.94	2.19	1.81	82.6
									9.75	10.82	1.07	0.69	64.5
									10.82	12.34	1.52	1.40	92.1

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-32 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
11.94	15.85	GREY HOMOGENEOUS DOLOSTONE Medium grey recrystalized dolostone with both qtz vnlets at 35 dgrs to c.a. 3-10 mm wide with limonitic halos which crosscut earlier thin 1-5 mm carbonate/limonitic fracture filling at 40 to 75 dgrs to c.a. Scattered amphipora appear in the unit @5-10% in zones. Pressure solution contacts separate slightly more mottled unit from possible arphipora zones. Small vugs appear along styolite contacts & carbonate fractures, often deep red colour due to weathering of iron/sulphide minerals. "12.34-12.8" completely lost due to grinding.							12.34	12.80	0.76	0.10	13.1
									12.80	14.33	1.53	1.47	96.1
									14.33	15.85	1.52	1.52	100.0
15.85	16.37		81042 15.85 - 16.37	0.01	0.01	0.05	11	<0.01	15.85	16.37	0.52	0.48	92.4
		BLEACHED DOLOSTONE AND LIMONITIC VEINLETS Light grey dolostone with thin 1-2 mm dark grey fine grained material parallel to core axis and crosscutting intensely limonitic fractures & vugs 2-15 mm wide which occur randomly in core.							15.85	17.37	1.52	1.49	98.0
16.38	17.37								17.37	18.90	1.53	1.41	92.2
		BLEACHED DOLOSTONE Light grey crackle breccia dolostone lightly bleached with angular clasts set in carbonate/limonitic fracture fill matrix. Qtz vnlets cut at 55 dgrs c.a. and have limonitic halos 1-2 mm wide. Core appears slightly cherty along fractures.							18.90	19.20	0.30	0.11	36.7
									19.20	20.12	0.92	0.80	87.0
17.37	24.49								20.12	21.64	1.52	1.52	100.0
		LIGHTLY BLEACHED HOMOGENEOUS DOLOSTONE Very homogeneous unit, light grey in colour with small zones of crackle breccia about 35-45 cm wide. Thin carbonate vnlets f.f. crosscut at 65 dgrs to c.a. crosscut by 1-3 mm fractures at 45 dgrs to c.a. Lastly cut of 10 mm white barren qtz vns at about 40 dgrs to c.a. Core appears lightly silicified in zones "cherty".							21.64	22.25	0.61	0.30	49.2
									22.25	23.16	0.91	0.60	59.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-32 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
24.99	27.43	MED GREY DOLOSTONE Very homogeneous competant unit, med grey in color, excellent coring with sparse carbonate/limonitic f.f. 1-2 mm wide at random high angles to c.a. Crackle breccia occurs at 27.25 m and increases towards 27.43.							23.16	24.69	1.53	1.45	94.8
									24.69	25.30	0.61	0.42	68.9
									25.30	26.82	1.52	1.42	93.4
			81043 26.82 - 27.43	<0.01	0.01	0.02	9	<0.01	26.82	27.43	0.61	0.46	75.4
27.43	28.04	LIMONITIC & GALENA BRECCIA ZONE Brecciated dolostone with 10 cm zone of about 75% intense limonite with pods of fine grained galena about 5% and possible sphalerite in breccia zone with contact at 70 dgrs to c.a.	81044 27.43 - 28.04	6.09	6.54	1.02	21	0.12	27.43	28.04	0.61	0.50	82.0
			81045 28.04 - 28.25	0.01	0.03	0.04	10	<0.01	28.04	28.85	0.81	0.72	88.9
28.04	32.92	HOMOGENEOUS MED GREY FOSSILIFEROUS DOLOSTONE Med grey competant good coring unit. Scattered amphipora throughout. Very clean, little fracturing. Fractures have limonitic contacts about 90 to c.a. parallel to later Carbonate/qtz vnlets 3-7 mm wide. 15 cm zones of minor brecciation and traces of carbonate/limonitic matrix. Styolites quit, evident by limonitic coatings on opposing surfaces.							28.04	28.35	0.31	0.31	100.0
									28.35	29.26	0.91	0.76	83.5
									29.26	30.18	0.92	0.89	96.7
									30.18	31.39	1.21	1.21	100.0
									31.39	32.92	1.53	1.53	100.0
									32.92	34.44	1.52	1.40	92.1

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-32 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
32.92	38.71	HOMOGENEOUS LIGHT GREY DOLOSTONE Very consistant unit, excellent coring, lightly oxidized restricted to fractures infilled by carbonate. About 1-2 mm to about 35 dgrs to c.a., otherwise core appears slightly bleached. Small nonpervasive styolites are present often along zones of slightly more fractured core. Core breaks along them. Small zones of scattered amphipora present about 25% fossils.							32.92	34.44	1.49	1.41	94.6
									34.44	35.66	1.22	1.22	100.0
									35.66	36.12	0.46	0.30	65.2
38.71	41.70	HOMOGENEOUS LIGHT GREY SLIGHTLY PHYLLITIC DOLOSTONE Excellent coring, light grey homogeneous unit with very fine fractures at about 35 dgrs to c.a., thin 1-3 mm liminitic surfaces. Core is, recognizeably phyllitic, where foliatron planes evident at 45 dgrs to c.a. best seen along breaking surface. Minor brecciation in 15 cm zones and minor pyrite/limonitic weathering pits along foliatron planes.							36.12	37.19	1.07	1.07	100.0
									37.19	38.71	1.52	1.50	98.7
									38.71	40.23	1.52	1.32	86.8
41.70	46.86	MEDIUM GREY DOLOSTONE Homogeneous good coring zone, medium grey in colour. No visible fossils. Relatively fresh with few fractures at 33 dgrs to c.a. Fractures are thin 1-2 mm. Slightly limonitic. Larger qtz vnlets crosscut at 30 dgrs to c.a. Generally 10 mm wide with slightly limonitic carbonate halos about geopedal structures in vnlets probably infilled tension fractures.							40.23	41.76	1.53	1.46	95.4
									41.76	43.28	1.52	1.50	98.7
									43.28	44.81	1.53	1.53	100.0
									44.81	46.33	1.52	1.51	99.3
									46.33	47.85	1.52	1.49	98.0
									47.85	49.38	1.53	1.35	88.2
									49.38	50.90	1.52	1.50	98.7

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-32 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
46.86	51.81	MED GREY CRYSTALINE DOLOSTONE Med grey to darker grey with depth. Homogeneous dolostone with zones of crackle brecciation due to 3 or more periods of fracturing at about 40, about 15, 75 dgrs to c.a. Well developed styolites also aid in fracturing complexity. Fractures and styolites well marked by thin light yellow limonitic surfaces. Pressure solution cavities along styolites and fractures infilled by qtz carbonate 5 - 25 mm wide. Hole at projected vein intersection shows no sign of brecciation or veining activity. End of hole shows still relatively undisturbed dolostone with no real alteration to rock or small structures mentioned.							46.33	17.85	1.52	1.49	98.0
									47.85	49.38	1.53	1.35	88.2
									49.38	50.90	1.52	1.50	98.7
									50.90	51.81	0.91	0.87	95.6
		END OF HOLE 51.81 TOTAL							3.66	51.81	48.15	45.44	94.3

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-33

AREA	MF (LUCKY) ZONE	SECTION	0+10 N	DATE Started	07-24-88 (N)
CLAIM	JEFF 4	AZIMUTH (T)	248 Degrees	DATE Completed	07-25-88 (D)
GRID CO-ORDS Line		INCLINATION	-82 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	17.98m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	31783.54	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13589.20	DEPTH Overburden	3.66m	CORE RECOVERY	66.4%
ELEVATION	1714.10m	VERT. COMP.	17.81m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	2.50m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-82	248	Surv				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	3.66	OVERBURDEN				
3.66	8.08	DOLOSTONE				
8.08	12.19	OZ	4.11	2.30	2.56	10.14
12.19	15.25	PHYLLITE				
15.25	15.73	QUARTZ VEIN				
15.73	17.98	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.19	0.22	4.47	0.002	54.7%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-33 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.66	OVERBURDEN							3.66	4.88	1.22	0.50	40.9
3.66	8.08	HIGHLY FRACTURED MED GREY DOLOSTONE Core is very broken, any distinguishing features cannot be seen in core due to amount of breaking. Longest consecutive piece <10 cm. Small fractures seen by thin limonitic coatings at random orientations producing blocky core. Rock seems quite consistant with thin latest qtz vnlets at 10-15 dgrs to c.a. Dolostone has little in oxidation or alteration, but determination is difficult. Thin qtz vnlet at 12 dgrs to c.a. 2mm wide with fine grained galena along it. Less than 1% of total sample with very fine limonitic halo. Along some fractures, subhedral pyrite cubes have grown on surfaces 2-3 mm in size, very little limonitic stain present however.							4.88	5.64	0.76	0.22	28.9
			81046 5.64 - 6.11	<0.01	0.02	0.04	12	<0.01	5.64	6.11	0.47	0.33	70.2
			81047 6.11 - 6.31	0.20	0.49	0.04	8	<0.01	6.11	6.31	0.20	0.14	70.0
			81048 6.31 - 6.71	0.01	0.01	0.05	10	<0.01	6.31	6.71	0.40	0.31	77.5
									5.64	6.71	1.07	0.78	72.9
									6.71	6.86	0.15	0.10	66.7
		Very broken blocky core, determination very difficult. Zone seems slightly more limonitic along fracture faces and minor cherty silicification.	81049 6.86 - 8.08	0.27	0.45	0.19	6	<0.01	6.86	8.08	1.22	0.67	54.9
									6.86	7.92	1.06	0.52	49.1
									7.92	8.08	0.16	0.05	31.3
8.08	8.69	BRECCIATED LIMONITIC DOLOSTONE Crackle breccia with angular dolostone clasts 5-15 mm surrounded by limonitic/carbonate fracture fillings; <<1-2 mm in size. Intense red limonitic filling at 22 dgrs to c.a. as dominant and latest fracturing event. Alteration of host rock to light yellow limonitic gouge with disseminated fine grained blebs and stringers of galena (2-5)mm composing around 2% of sample. Limonitic alteration across sample and galena distributed as well across sample, thin dark bands my be <1 mm sphalerite stringers around 2%.	81050 8.08 - 8.69	7.00	1.19	1.91	38	0.02	8.08	8.69	0.61	0.41	67.2
									8.69	9.75	1.06	0.58	54.7
									9.75	10.69	0.94	0.20	21.3

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-33 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
8.69	9.75	MED GREY CALCAREOUS PHYLLITE Poor recovery of core, foliation of rock at around 50 dgrs to c.a. Fissility made grinding and crushing core more evident as zone becomes much more competant and more dolomitic at both ends of measured zone. Phyllite is silvery grey, very shiny with qtz sericite mineralogy and thin but intense limonitic foliation faces.	81051 8.69 - 10.69	0.03	0.02	0.36	8	<0.01	8.69	10.69	2.00	0.78	39.0
9.75	10.69	VERY BROKEN LIMONITIC DOLOSTONE Very poor recovery, small broken pieces, appear lightly bleached and fractured.											
10.69	12.19	OXIDE ZONE "INTERSECTION WAS DROPPED" reconstruction, however, was quite good. Oxide zone of fault gouge and light yellow bleached rubble breccia. Matrix is very limonitic stained and contains abundant red/brown oxidized alteration pods. Minor visible sulphide seen, but manganese stain abundant on fracture faces 60 dgrs to c.a. Qtz vnlets white and barren occur often along 60 dgrs to c.a. fracture faces and have intensely oxidized (red brown) halos. Thin discontinuous black jack sphalerite stringers <2 mm wide about maybe up to 4% and minor fine grained galena blebs <1 mm disseminated in core.	81052 10.69 - 12.19	0.38	0.08	11.0	151	0.10	10.69	12.19	1.50	1.06	70.7
									12.19	12.80	0.61	0.20	32.8
12.19	13.00	DARK GREY SLIGHTLY PHYLLITIC DOLOSTONE 12.19-13.0 almost completely lost due to blocking to core lost when box wax dropped. Indistinguishable features, often masked by limonitic/manganese stain.	81053 12.19 - 13.00	0.01	0.05	0.23	<5	<0.01	12.19	13.00	0.81	0.30	37.0
13.00	14.13	SLIGHTLY PHYLLITE DARK DOLOSTONE Dark grey nonhomogeneous dolostone showing good phyllitic banding across unit at 45 dgrs to c.a. with greasy shiny phyllitic textures along foliation/ breakage planes. Dolomitic core shows large vugs infilled by qtz with limonitic/ carbonate halos. Smaller fractures alternately infilled with qtz or carbonate run parallel at about 25 dgrs to c.a. and are not evident through the narrow approx. 10 cm phyllitic bands. No visible sulphides seen.	81054 13.00 - 14.13	<0.01	0.02	0.29	<5	<0.01	13.00	14.13	1.13	1.10	97.3
									12.80	14.33	1.53	1.40	91.5

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-33 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
14.13	15.25	LIGHT GREY CALCAREOUS PHYLLITE Homogeneous slightly bleached light grey unit with strong phyllite shiny silvery colour, with well developed foliation at about 45 dgrs to c.a. Black smears of carbonate material show lineation along foliation planes generally 1-2 mm in size.	81055 14.13 - 15.25	<0.01	<0.01	0.05	<5	<0.01	14.13	15.25	1.12	1.01	90.2
									14.33	15.85	1.52	1.47	96.7
15.25	15.73	WHITE QUARTZ VEIN Very dense competant barren white quartz vein with very sharp upper contact with phyllite @48 deg to c.a. & lower contact is poorly defined and grades into lower unit. No sulfides present, minor limonitic stain on surface <1% with carbonate veinlets & blebs within which fizz readily with acid.	81056 15.25 - 15.73	<0.01	<0.01	0.02	<5		15.25	15.73	0.48	0.48	100.0
									15.85	17.37	1.52	1.41	92.7
15.73	17.98	MEDIUM GREY HOMOGENOUS DOLOSTONE Very consistant good coring unit, partially ?silicified with erratic dark grey thin fracture fillings. No dominant fractures or limonitic stain or oxidization. Thin discontinuous brass yellow 2 mm stringers of nonoxidized pyrite. Very fresh rock.	81057 15.73 - 16.35	<0.01	<0.01	0.01	<5	<0.01	15.73	16.35	0.62	0.57	91.9
									17.37	17.98	0.61	0.56	91.8
									3.66	17.98	14.32	9.51	
													66.4%
		END OF HOLE 17.98 M. TOTAL:											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-34

AREA	MF (LUCKY) ZONE	SECTION	0+10 N	DATE Started	07-25-88 (D)
CLAIM	JEFF 4	AZIMUTH (T)	232 Degrees	DATE Completed	07-27-88 (N)
GRID CO-ORDS Line		INCLINATION	-40 Degrees	CONTRACTOR	E. CARON DIAMOND DRILING
GRID CO-ORDS Station		DEPTH Hole	45.42m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	31808.03	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	13621.10	DEPTH Overburden	3.03m	CORE RECOVERY	86.7%
ELEVATION	1686.14m	VERT. COMP.	29.19m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	34.79m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-40	232	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.03	OVERBURDEN				
3.03	27.43	DOLOSTONE				
27.43	32.46	DOLOSTONE Bx				
32.46	32.71	QUARTZ-P,SZ	0.25			
32.71	37.53	DOLOSTONE(+)(-)Ph				
37.53	37.87	SZ, PZ	0.34			
37.87	45.42	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.35	0.19	0.25	48	92.0%
0.20	0.01	2.45	221	100.0%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-34 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.03	OVERBURDEN/CASING							3.05	3.66	0.51	0.10	19.6
3.03	4.13	OVERBURDEN RUBBLE Casing not deep enough, broken, ground rubble.							3.66	3.96	0.30	0.07	23.3
4.13	7.46	MED GREY HOMOGENEOUS DOLOSTONE Very consistant unit across width, poor core recovery due to blocky ground and grinding of core. 10 cm zones of highly fractured rock appear slightly darker due to thin <1 mm, carbonat. fracture filling @ random orientations. A late fracture phase @20 deg to c.a. is crosscut by very thin <1mm, 60 dgrs to c.a. Very slightly limonitic fractures. Core is very fresh.							3.96	5.18	1.22	0.48	39.3
									5.18	6.40	1.22	0.49	40.2
									6.40	6.71	0.31	0.23	74.2
7.46	13.32	LIGHT GREY HOMOGENEOUS DOLOSTONE Very consistant good coring unit, excellent recovery. Dolostone seems very slightly bleached but not silicified, though it has a cherty look. Random extremely thin dark carbonate fracture filling run discordantly through diameter producing a crackle type brecciated look. A more pervasive fracture set occurs as parallel cracks at 60 dgrs to c.a. and often core breaks along them. Another later less continuous fracture set occur in parallel closely spaced sets at 15 dgrs to c.a. Very fresh rock, limonite is restricted to <<<1% along breaks.							6.71	8.23	1.52	1.30	85.5
									8.23	9.75	1.52	1.47	96.7
									9.75	11.28	1.53	1.43	93.5
									11.28	12.80	1.52	1.42	93.4
13.32	13.82	LIGHT GREY SLIGHTLY BLEACHED FRACTURED DOLOSTONE Very fractured core with crackle breccia look. Very thin dark grey carbonate fracture filling with about 10% limonitic/carbonate matrix. Last fracture set at 45 dgrs to c.a.							12.80	14.33	1.53	1.49	97.4
13.82	15.03	DARK GREY DOLOSTONE Homogeneous unit, very fresh with no alteration or oxidation present. Very thin <1 mm fractures crosscut by an even spaced white carbonate veinlet set 2-10 mm wide at 45 dgrs to c.a. An average of 1cm apart.							14.33	15.85	1.52	1.39	91.4
									15.85	17.37	1.52	1.50	98.7

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM86-34 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
15.03	18.55	DARK GREY SLIGHTLY MOTTLED DOLOSTONE Homogeneous very fresh unit with slightly broken width. 15cm wide alternating with slightly larger limonitic/carbonate fracture sets which have small vugs along them due to infilling of pressure solution cavities. These give a slightly mottled appearance. Along breaks in core, thin shiny quartz sericite phyllitic layers @2mm thick are evident.							17.37	18.90	1.53	1.46	95.4
									18.90	20.42	1.52	1.46	95.4
									20.42	21.95	1.53	1.51	98.7
									21.95	22.86	0.91	0.79	86.8
18.55	23.77	HOMOGENEOUS MED GREY DOLOSTONE Consistant, excellent coring unit, very competant hard with no visible alteration, rock is very fresh. Sporadic dark carbonate f.f. seen as in most of core to present depth. Last fracture event infilled by white carbonate f.f. at 50 dgrs to c.a. which are not penetrative across core diameter. Visible sulphide seen at 23 m, very thin fractures contain fine grained massive brassy yellow unaltered pyrite in thin <1 mm stringers.							22.86	23.77	0.91	0.91	100.0
									23.77	24.99	1.22	1.21	99.2
									24.99	26.06	1.07	0.97	90.7
23.77	27.43	POSSIBLY SILICIFIED LIGHT GREY DOLOSTONE & INTENSE DARK CARBONATE F.F. Very fractured light grey ? silicified, very hard, competant, recrystalized dolostone marred by intense sporadic very thin <1 mm dark carbonate/cherty fracture filling producing a crackle type brecciated appearance. Oxidation and or alteration is not present except in insignificant amounts along previously open breaks prior to coring. Fresh breaks do not show limonitic staining. Core is very dense, and breaks appear slightly concoidal.												
									26.06	27.43	1.37	0.80	58.4
27.43	30.68	POORLY RECOVERED BLOCKY & GROUND CORE Rock is like mentioned between 23.77-27.43, as a slightly dark dense dolostone. More limonitic stain is seen along fracture present prior to coring. Core becomes increasingly darker with depth.							27.43	27.88	0.45	0.15	33.3
									27.88	29.41	1.53	0.27	17.6

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM86-34 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
30.68	31.48	VERY DARK FRACTURED/BRECCIATED DOLOSTONE Rubbly brecciated dark grey dolostone clasts 5-10 mm in size. Set in a faintly limonitic stained carbonate matrix. Alternating carbonate vnlets. Final fracturing occurs at 45 dgrs to c.a.							29.41	30.48	1.07	0.38	35.5
									30.48	30.94	0.46	0.21	45.7
31.48	32.46	BRECCIATED LIGHT COLOURED PYRITIC DOLOSTONE Rubbly brecciated very light white dolostone clasts with an upper contact at 45 dgrs to c.a. and quite sharp, set in white silicified matrix and white nonlimonitic carbonate matrix. Along fractures, very fine brassy yellow pyrite stringer occur at <1% and possibly black <<<1 mm sphalerite grains at 40-50 dgrs to occur and disseminated along non penetrative erratic pressure solution styolites. Some dark dolomite clasts 10-50 mm are present in the breccia, well rounded and highly fractured.	81058 31.48 - 32.46	0.07	0.01	0.03	14	<0.01	31.48	32.46	0.98	0.98	100.0
									30.94	32.46	1.52	1.50	98.7
32.46	32.71	QUARTZ-PYRITE-SPHALERITE ZONE White/grey angular dolostone brecciated clasts set in a silicified carbonate matrix. Pyrite (euhedral) brassy crystals 0.5-1.5 mm present in the matrix and along vugs and fractures are about 10%. These are surrounded by very fine grained galena about 5% and sphalerite about 2% main zone is 10cm wide & much more open, with open vugs which often border the pyritic bands 5-8mm wide where the galena and sphalerite are generally concentrated at about 60 dgrs to c.a. The remainder of the sample shows mainly fine <<<1 mm disseminated brassy pyrite and trace amounts of galena and sphalerite.	81059 32.46 - 32.71	0.35	0.19	0.25	48	0.01	32.46	32.71	0.25	0.23	92.0
32.71	33.67	LIGHT GREY SLIGHTLY BRECCIATED DOLOSTONE Very light coloured homogeneous competant ?slightly silicified dolostone with many orientations to thin <1mm carbonate filled fractures. Small vugs along fractures often shows brassy pyrite about 1-2%. Very sharp contact with lower phyllites at 80 dgrs to c.a.	81060 32.71 - 33.67	0.01	0.01	0.01	15	<0.01	32.71	33.67	0.96	0.95	98.9
									32.46	33.99	1.53	1.39	90.8

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-34 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Cu %	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
33.67	34.59	MILKY WHITE CALCAREOUS PHYLLITE Sharp upper contact at 80 dgrs to c.a. Very clean milky white. Shiny greasy feeling well foliated about 45 dgrs to c.a. Foliation is very thin and penetrative across core diameter. Sharp lower contact at 45 dgrs to core axis.							33.99	35.51	1.52	1.52	100.0
									35.51	37.03	1.52	1.50	98.7
35.41	37.53	MED GREY HOMOGENEOUS DOLOSTONE Very consistant core, excellent recovery. Silicified vnlets and carbonate fracture filling are present in non penetrative erratic orientations which give a slight molting look. Thin stringers of isolated very fine galena occur in erratic fractures often partially filled by qtz <1 mm wide. Frequency increases with depth, still <1%.	81061 35.41 - 37.53	0.01	0.03	0.02	7	<0.01	35.41	37.53	2.12	2.10	99.1
									37.03	38.56	1.53	1.53	100.0
37.53	37.87	SPHALERITE PYRITE ZONE Med grey silicified dolostone with mineralized tension dialations where vugs are infilled by euhedral brassy <1 mm to 3 mm pyrite cubes, which contribute about 15% of sample, along with trace very fine grained galena and sphalerite at 1-3%.	81062 37.53 - 37.87	0.20	0.01	2.45	221	0.04	37.53	37.87	0.34	0.34	100.0
37.87	40.11	MED GREY HOMOGENEOUS DOLOSTONE Very competant excellent coring zone of ?silicified dolostone with thin carbonate fracture fillings <1 mm wide with larger barren qtz veinlets and vug infilling generally at 35-40 dgrs to c.a. Galena occurs with pyrite along thin stringers <1 mm wide, or in larger pods in vugs. Total sulphide content <1% but decreases towards base of sample.	81063 37.87 - 38.56	0.01	0.01	0.06	18	<0.01	37.87	38.56	0.69	0.69	100.0
			81064 38.56 - 40.11	0.04	0.06	0.02	11	<0.01	38.56	40.11	1.55	1.55	100.0
40.11	45.42	HOMOGENEOUS MED GREY DOLOSTONE Competant, excellent coring zone, very hard and dense and consistant med grey dolostone: White barren carbonate vnlets along fractures at 40-45 dgrs to c.a. often wavy from deformation after fracturing. Erratic <1 mm carbonate fracture filling throughout zone, becoming darker with depth as seen earlier. Core is very fresh with no sign of alteration or limonitic stain. No signs of sulphides as seen in samples taken above.							40.11	40.84	0.73	0.73	100.0
									40.84	42.06	1.22	1.22	100.0
									42.06	43.28	1.22	1.20	98.4
									43.28	44.81	1.53	1.32	86.3
									44.81	45.42	0.61	0.61	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-34 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		EOH 45.42 TOTAL:							3.03	45.42	42.39	36.74	
													86.7%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-35

AREA	NO.3 ZONE	SECTION	0+58.5 N	DATE Started	07-30-88 (D)
CLAIM	VER 1	AZIMUTH (T)	070 Degrees	DATE Completed	08-05-88 (N)
GRID CO-ORDS Line		INCLINATION	-50 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	85.95m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	35628.83	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15446.99	DEPTH Overburden	5.49m	CORE RECOVERY	90.7%
ELEVATION	1931.76m	VERT. COMP.	64.99m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	56.25m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-50	070	BRUNT				
42.67	-48.5	070	ACID				
85.95	-49.5	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	5.49	OVERBURDEN				
5.49	23.47	DOLOSTONE Bx				
23.47	50.60	(+)(-)sDOLOSTONE				
50.60	61.50	D(F)				
61.50	69.88	Bx D (+)(-)GZ				
69.88	77.61	SZ/GZ	7.73	7.67	10.41	73.75

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.76	1.39	4.56	0.004	90.8%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY *RETZA PROJECT* D.D.H. *YM88-35* Page *2* of *14*

AREA

CLAIM

GRID CO-ORDS Line / Station

SURVEY CO-ORDS Northing / Easting

ELEVATION

STICK UP

SECTION

AZIMUTH (T)

INCLINATION

DEPTH Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
77.61	81.32	DOLOSTONE Bx				
81.32	85.95	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-35 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	5.49	CASING/OVERBURDEN 5.49-7.62 ?No block marking end of casing.							5.49	7.62	2.13	0.37	17.4
5.49	12.19	LIGHT GREY MOSAIC DOLOSTONE BRECCIA Slightly bleached recrystalized dolostone breccia, highly fractured angular light grey clasts surrounded by thin limonitic/carbonate fractures <2 mm wide of random orientation. Thin zones of darker grey dolostone. Clasts, rounded in a rubbly brecciated zone are often present. Later phase qtz vnlets crosscut structures at 35 dgrs to c.a. and 70 dgrs to c.a. Limonitic/oxidation concentration along fractures previous to coring. Very thin vnlets/fracture filling of fine grained galena occur randomly, generally <2 mm wide, along fractures about 70 dgrs to c.a. comprising <<<1% of sample.	81065 5.49 - 8.45	0.04	0.07	0.15	10		5.49	8.45	2.96	0.74	25.0
			81066 8.45 - 9.70	0.01	0.03	0.05	17		8.45	9.70	1.25	1.25	100.0
			81067 9.70 - 10.67	0.03	0.04	0.22	49		9.70	10.67	0.97	0.97	100.0
			81068 0.67 - 11.89	0.10	0.17	0.03	12		10.67	11.89	1.22	0.85	69.7
									7.62	9.14	1.52	1.48	97.4
12.19	13.10	MED GREY MOSAIC BRECCIA DOLOSTONE Med grey clasts set in very thin slightly limonitic carbonate f.f. matrix. Silicification/qtz vnlets/blebs give lighter colour to matrix.							9.14	10.67	1.53	1.53	100.0
									10.67	11.84	1.22	0.85	69.7
13.10	13.80	OXIDE ZONE Very limonitic, red brown highly fractured/brecciated (mossaic) zone of med grey angular dolostone. Trace galena can be seen on fractured surfaces along very oxidized irregular orientated fracture filling at about 1%. Small dark black smears may be sphalerite disseminated along oxide concentrations at 1%.							11.89	12.19	0.30	0.23	76.7
									12.19	12.80	0.61	0.44	72.1
			81069 13.10 - 13.80	0.52	0.77	0.91	85		13.10	13.80	0.70	0.70	100.0
									12.80	14.02	1.22	1.15	94.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-35 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
13.80	14.47	RECRYSTALIZED MOSAIC DOLOSTONE BRECCIA Med grey dolostone where brecciated clast and matrix have undergone recrystalization which overprints boundaries of clasts and mottles the carbonate/slightly limonite matrix. Pressure solution fractures evident where small vugs (<5 mm) wide form along styolites at high angles to c.a. These are often quite limonitic and contain very minor amounts of galena. The last and most pervasive structure is thin <3 mm parallel fractures at 45 dgrs to c.a. which contain fine grained galena, <<<1%.	81070 13.80 - 14.47	0.28	0.38	0.13	50		13.80	14.47	0.67	0.58	86.6
									14.02	15.24	1.22	0.95	77.9
14.47	18.44	MED GREY RECRYSTALIZED DOLOSTONE ?BRECCIA Very slightly bleached recrystalized dolostone, where recrystalization masks earlier about ?crackle breccia produces a mottled look. Thin fracture of limonite carbonate are crosscut by later qtz vnlets 2-7 mm wide at 35 dgrs to c.a. Large mottled white dolostone often surrounded by darker carbonate. Fractures show very thin limonitic stain (prior to coring fractures), but fresh breaks are much less oxidized.							15.24	16.76	1.52	1.45	95.4
									16.76	18.29	1.53	1.47	96.1
									18.29	19.81	1.52	1.21	79.6
18.29	19.81	LIGHT GREY RECRYSTALIZED DOLOSTONE BRECCIA Above unit has a gradational contact with this unit, where a lighter more intense recrystalized breccia occurs. Mottled look, where recrystalization has masked clasts and matrix. Thin discontinuous 1 mm stringers at fine grained galena occur along limonitic/carbonate vnlets at about 30 dgrs to c.a. 45 dgrs to c.a. Very thin siliceous dark bands 1-2 mm wide run often parallel to thick and coarsely crystaline recrystalized dolomite bands ? sphalerite content, though to fine to recognize.	81071 18.29 - 19.81	0.14	0.11	0.04	23		18.29	19.81	1.52	1.21	79.6

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-35 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
19.81	23.47	MOTTLED, RECRYSTALIZED LIGHT GREY BRECCIATED DOLOSTONE Mottled look has destroyed all breccia structures with recrystalization. Wavy dark/light patches occur with the light component having abundant silicification on the form of stringers and blebs and vug infilling. Carbonate is quite coarse with limonitic coatings. Last fracturing phase at about 25 dgrs to c.a. often qtz filled with limonitic coatings. Vugs along styolites 3-10 mm usually qtz filled with carbonate halos. Thin siliceous <2 mm dark stringers are frequent and of random orientation (?sphalerite).							19.81	21.03	1.22	1.20	98.4
									21.03	21.95	0.92	0.65	70.7
									21.95	22.56	0.61	0.35	57.4
									22.56	23.47	0.91	0.91	100.0
23.47	26.55	MOTTLED DARK GREY RECRYSTALIZED/FRACTURED DOLOSTONE Dark grey/med grey wavy patches of recrystalized dolomite. Recrystalization has completely impaired all previous structures. Later pressure/solution produces vugs along styolites often very limonitic. Several periods of fracturing and deformation are evident. Carbonate vnlets at 80 dgrs to c.a. have been openly folded with fracturing parallel to perimeters. Several other fracture orientations have been folded which crosscut thin original structure. Qtz vning occurs later at 50 dgrs to c.a. bisected by thin styolitic fractures at 45 dgrs to c.a. which are evident by concentrated limonitic oxidation. Trace pyrite can be seen disseminated along small fractures along with small <5 mm irregular dark patches of siliceous material. Last 40 cm, shows slight regular banding at dark/light material, where light material is becoming more siliceous.							23.47	24.69	1.22	0.87	71.3
									24.69	25.30	0.61	0.60	98.4
									25.30	26.82	1.52	1.48	97.4
26.55	28.15	SILICIFIED/LIGHTLY BLEACHED CRACKLE BRECCIA DOLOSTONE Good coring, long runs, with fresh breaks occurring along sigmoidal shaped fractures parallel to one another. Crackle breccia shows very hard white silicified dolostone clasts set apart by very thin limonitic stained carbonate fracture filling and styolites at random orientations. Dark siliceous, blebs, stringers run at random in core. Last phase evident is a pyrite (oxidized vnlet (2 mm) wide at 45 dgrs to c.a.							26.82	28.65	1.83	1.53	83.6

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-35 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
28.15	28.65	SILICIFIED & OXIDIZED CRACKLE BRECCIA Lightly bleached silicified dolostone where fracturing produced angular clasts rimmed by <1 mm oxidized carbonate rims. White qtz has precipitated into openings in the breccia. Along these openings oxidation is increased to produce pyritic/limonitic zones 6 cm wide; here thin galena vnlets <1 mm wide and blebs 3 mm wide are concentrated. No dominant structures are evident besides crackling and corresponding thin styolitic development along them.	81073 28.15 - 28.65	0.09	0.22	0.16	33		28.15	28.65	0.50	0.48	96.0
28.65	29.72	SILICIFIED LIGHT GREY RECRYSTALIZED DOLOSTONE Relatively homogeneous unit with silicified/white grey color interupted by <1 mm limonitic fractures filling at 40 dgrs left, 40 dgrs right to c.a. with 80 dgrs between sets or 100 dgrs depending. These are post silification and recrystalization which has mottled orignal textures and structures. Large vugs (10-50 cm) are infilled partially by coarsely crystaline dolomite crystals about 2-5 mm. Small black concoidal fractured ?tourmaline has grown in qtz infilled vugs, black tourimaline suggests the prescence of iron which agrees with the red/brown 3 mm limonitic halos surrounding qtz vugs. Charcoal black round bulbous mineral in qtz ?? soft, submetalic ?alabandite MnS?.	81074 28.65 - 29.72	<0.01	0.01	0.01	20		28.65	29.72	1.07	1.07	100.0
29.72	32.93	MOTTLY RECRYSTALIZED/SILICIFIED FRACTURED DOLOSTONE Med grey dolostone with patchy white, grey, dark grey look. Recrystalization was complete and most structures have vanished. Later fracturing produced a broken look with many thin limonitic fracture fillings mainly at 45 dgrs and 50 dgrs to c.a. Styolites often marked by dark brown oxidized concentrations and found at 50 dgr angles to c.a. These often separate light to darker dolostone bands, where lighter bands about 8 cm wide are silicified and often contain large white qtz vug infillings. Last phase involved qtz vning at 45 dgrs and 80 dgrs to c.a., 5-15 cm wide.							29.72	30.33	0.61	0.57	93.4
									30.33	31.09	0.76	0.71	93.4
									31.09	32.16	1.07	1.05	98.1
									32.16	33.53	1.37	1.37	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-35 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
32.93	37.19	MOTTLED RECRYSTALIZED SILICIFIED PYRITIC DOLOSTONE							33.53	34.59	1.06	0.98	92.5
		Fractured dolostone with thin pyritic fracture filling which oxidizes to light red brown which stains sides at about 45 dgrs to c.a. which offsets the light/med grey mottly look. Silicification is evident in the form of blebs and stringers and vnlets at 35 dgrs to c.a. (with sharp contacts). Styolites very evident with dark concentrations along contacts. Anhedral garnet crystals <1 <1.5 mm in size are of the grossular type and occur, sporadicaly in core.	81075 34.59 - 35.59	<0.01	0.01	<0.01	19		34.59	35.59	1.00	0.99	99.0
		Thin discontinuous stringers of fine grained galena <1 mm wide about 30 mm long composing <1% of sample generally 40-50 dgrs to c.a.	81076 35.59 - 36.12	<0.01	0.03	0.01	15		35.59	36.12	0.53	0.53	100.0
									34.59	36.12	1.53	1.52	99.3
		Core becomes more mottled with depth, garnets and reddish pyritic vnlets disappear. Open barren qtz vning at 40 dgrs to c.a. contain dark grey dolostone clasts. Very sharp contacts, no oxidation ring or visible sulphides.	81077 36.12 - 37.19	<0.01	<0.01	0.01	11		36.12	37.19	1.07	1.07	100.0
37.19	39.39	RECRYSTALIZED/SILICIFIED MOTTLED DOLOSTONE	81078 37.19 - 39.39	0.04	0.01	0.02	16		37.19	39.39	2.20	1.99	90.5
		Mottly grey, white appearance wavy pattern and very mixed up where recrystalization has destroyed all earlier textures. Wavy dark bands 3 mm wide parallel each other in core. Thin limonitic fracture fillings about 40 dgrs and 80 dgrs to c.a. Pyrite vnlets 2-5 mm thick crosscut all structures at 60-65 dgrs to c.a. There is oxidation halos around them light red brown to color. Trace galena stringer <1 mm thick are found along these vnlets comprised of fine grained galena <<1% of sample.											
39.39	39.67	OXIDE ZONE	81079 39.39 - 39.67	0.56	0.17	2.43	88		39.39	39.67	0.28	0.25	89.3
		Brecciated light grey dolostone with angular clasts floating in a red brown oxidzed matrix. No visible sulphides but suspected sphalerite grains in limonite matrix about 35%.							38.71	40.23	1.52	1.45	95.4
39.67	42.95	RECRYSTALIZED/LIGHT GREY DOLOSTONE											
		Strongly recrystaized light grey dolostone, silicification still evident along with a slight increase in dark/light banding with depth. Thin limonitic fractures still evident at 50 dgrs to c.a., but not as many lesser randomly orientated ones. Thin barren qtz vnlets cross at 30 dgrs to c.a. and often have vugs along them infilled by coarser subhedral qtz. 1% sphalerite along fractures faces and limonitic zones.	81080 39.67 - 40.23	0.02	0.01	0.42	16		39.67	40.23	0.56	0.56	100.0
									40.23	41.76	1.53	1.42	92.8

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-35 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
42.95	44.20	BANDED (MOTTLY) RECRYSTALIZED DOLOSTONE Alternately banded med grey light silicified dolostone layers 3-5 mm wide. Complete recrystalization, no previous structures exist. Thin limonitic fractures cross at 50-60 dgrs in parallels about 1 cm apart. Fracturing is much less than in upper units, and rock is much fresher with less oxidation and limonitic stain on older fractures present prior to coring.							41.76	43.28	1.52	1.39	91.4
									43.28	44.81	1.53	1.50	98.1
									44.81	46.33	1.52	1.48	97.4
									46.33	47.85	1.52	1.50	98.7
44.20	50.60	"HIGHLY" MOTTLED/(BLACK/WHITE) RECRYSTALIZED DOLOSTONE Gradational with upper unit where light/darker bands blend into this more discontinuous zone of white/dark patches. White zones are more carbonaceous than upper zones which are more siliceous. Silicification is not really apparent here, where vugs and pressure solution openings are dolomite filled. Large styolites are very aboundant here marked by very dark impurities concentrated along them. Pressure solution structures postdate recrystalization as they crosscut mattled patches. Barren qtz vnlets 3mm wide cross at 35-40 dgrs to c.a. which postdate the major limonitic fractures at about 70-80 dgrs to c.a. Qtz also represents the last phase of vug infilling which are generally 5-15 mm in size. Recrystalization and pressure solution has together really changed the character of this unit.							47.85	49.07	1.22	1.14	93.4
									49.07	50.60	1.53	1.49	97.4
50.60	52.83	MED GREY, SLIGHTLY MOTTLED DOLOSTONE Gradational with upper more zebroid rock. Alternating light/dark patches give way to a more homogeneous grey dolostone with small isolated ? recrystalized amphipora light patches. Recrystalization is still very evident where only sparse limonitic fractures run at about 35-45 dgrs to c.a. Very fresh rock, no limonitic stain to speak of.							50.61	51.51	0.91	0.91	100.0
									51.51	52.43	0.92	0.91	100.0
									52.43	53.95	1.52	1.51	99.3
52.83	54.20	RECRYSTALIZED MOTTLED DOLOSTONE Greater amount of white patches and alternating dark matrix dolostone. Styolites are very abundant and produce much of the mottled look. Recrystalized white carbonate patches may have been amphipora and stachyodes: Last phase involved crosscutting white barren qtz veins 5mm wider at 60 dgrs to c.a. Fracturing is sparse, fresh looking core.							53.95	55.47	1.52	1.35	88.8
									55.47	57.00	1.33	1.45	94.8

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-35 PROPERTY KETZA

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
54.20	56.20	HOMOGENEOUS MED GREY RECRYSTALIZED DOLOSTONE Consistant med grey recrystalized dolostone. Infilled vugs 10-15 mm big with qtz and carbonate halos. Very thin <<1 mm limonitic fractures at 40-50 dgrs to c.a. Styolites are not present as are alteration of dolostone. Small qtz vnlets at parallel angles to c.a., 2-3 mm wide.											
56.20	58.57	HOMOGENEOUS MED GREY RECRYSTALIZED DOLOSTONE More mottled than above unit. The return of pressure solution styolites and possible recrystalized fossils ? produces the dark/light patchy look. Larger barren. *Qtz veins begin to appear here.* As seen on surface trenching about 20 m from zone in hanging wall. These are 7-20 mm wide at near perpendicular angles c.a. Angular clasts are seen in qtz vning and rubble breccia, often silicified with limonitic matrix about 5%.							57.00	58.52	1.52	1.44	94.7
58.57	61.57	MOTTLED ZEBROIC RECRYSTALIZED DOLOSTONE Zone grades from upper more homogeneous zone into zebroid mottled dark/light discontinuous bands. Strong styolites are frequent with dark (carbonaceous) accumulations along contacts. These generally are seen at about 30 dgrs to c.a. Possible ?recrystalized stachyodes are evident in about 20 cm zones in core. Red brown fracture faces at about 30 dgrs to c.a. due to oxidation, but are not very extensive as seen earlier in the core. More quartz veining is seen as parallel to 25mm barren veins with carbonate halos at nearly perpendicular angles to c.a. Veins are quite massive and do not show drusy textures and have very sharp, abrupt contacts with no signs of brecciation or alteration of wall rock.	81081 60.05 - 61.57	0.03	0.04	0.04	<5		58.52 60.05	60.05 61.57	1.53 1.52	1.48 1.37	96.7 90.1

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-35 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
61.57	62.07	GALENA ZONE Fine granined disseminated galena in small belbs along limonitic stringers <2 mm wide constituting about 1-2% at sample at about 70-80 dgrs to c.a. Zones shows gradation from upper zone mentioned to a rubble breccia of angular clasts 5-10 mm in size supported by a limonitic/carbonate matrix about 30% between 61.57 m and 61.77 m. Zone is bounded by barren white qtz vns 15-30 mm wide at 65 dgrs to c.a. Pyritic vnlets 3 mm wide parallel upper qtz vn with intense limonitic alteration peripheral. Lower qtz vn ends zone at 62.04 m, and core becomes fresher again.	81082 61.57 - 62.07	0.19	0.05	0.09	29		61.57	62.07	0.50	0.47	94.0
62.07	62.77	HOMOGENEOUS MED GREY DOLOSTONE Fresh consistant rock, qtz vning is closer spaced about 30 cm and are becoming thicker at 4cm too. More broken coring and more styolites appearing. Seen about 5 m above zone at surface.	810823 62.07 - 62.77	0.06	0.01	0.03	<5		62.07	62.77	0.70	0.61	87.1
62.77	64.15	GREY STYOLITIC DOLOSTONE Dark grey relatively fresh dolostone with dominant fracture set at about 50-55 dgrs to c.a. of limonitic carbonate fracture filling at 2-3 mm wide with disseminated pyrite along them. Dark bounded styolites very common mainly at about high angles to c.a. Barren white qtz vns 16-45 mm cross at perpendicular angles to c.a. about 10-20 cm apart.							61.57	63.00	1.43	1.26	88.1
									63.00	64.00	1.00	0.88	88.0
64.15	65.50	MED/GREY LIGHTLY BLEACHED FRACTURED DOLOSTONE Fracturing increases from above zone, where a crackle type breccia increases with depth. Dominant fractures are 45-55 dgrs to c.a. and later barren qtz vning at 35 dgrs to c.a. Qtz vnlets are slightly broken with a fracturing parallel to c.a. as the latest event likely due to faulting in the zone.							64.00	65.07	1.07	0.76	0.71
									65.07	65.99	0.92	0.55	59.8
									65.99	66.75	0.76	0.43	56.6

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-35 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
65.50	66.75	RUBBLY BRECCIATED, LIMONITIC DOLOSTONE Rounded and or angular dolostone brecciated clast 3-20 mm in size supported in ground rock highly oxidized in zones alteration with more mosaic breccia clast supported in qtz/carbonate fracture filling. Contacts are ground and are of suspect origin near qtz vning at about 35 dgrs to c.a. Silicification seems evident at fracture filling are increased small vnlets and/or infilling of vugs.	81084 65.50 - 66.75	0.04	0.04	0.34	27		65.50	66.75	1.25	0.60	48.0
66.75	68.35	MOTTLED MED GREY DOLOSTONE Zebrioic recrystalized dolostone with alternating light/dark discontinuous patches. Fracturing styolite postdate recrystallization and produce patchy look along contacts. Dominant fracture often contain drusy qtz 3-6mm wide at foten contain drusy qtz 3-6 mm wide at 45 dgrs to c.a. with small euhedral qtz crystals 1-3 mm in size.	81085 66.75 - 68.35	0.06	0.03	0.04	7		66.75	68.35	1.60	1.22	76.3
									66.75	67.67	0.92	0.70	76.1
68.35	68.65	GALENA ZONE Styolitic dark grey dolostone, recrystalized dark/light patches, often silicified. Fracturing postdates styolites and offsets them 14 mm along limonitic fracture 1-2 mm wide at 47 dgrs to c.a. Galena stringers follow these fractures comprising about 2% of sample. Larger qtz vnlets at the same orientation about 10 mm wide with limonitic halos contain vugs infilled by med grained galena. Overall galena in sample about 5%.	81086 68.35 - 68.65	1.60	2.32	0.05	55		68.35	68.65	0.30	0.30	100.0
									67.67	69.19	1.52	1.45	95.4
68.65	69.88	DARK GREY DOLOSTONE More qtz vning appear here, above zone grades into a more homogeneous less broken with numerous qtz vns at 65 dgrs to c.a. Barren white, with clear, fresh non oxidized contacts. These range from 55 mm - 5 mm wide. Earlier carbonate/limonitic fractures are evident but only pervasive at lower boundary to next zone which begins to look a bit more broken.	81087 68.65 - 69.88	0.08	0.08	0.19	36		68.65	69.88	1.23	1.07	87.7

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-35 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
69.88	70.71	GALENA ZONE Brecciated recrystalized dolostone. Zone of intense reworking where numerous phases of brecciation and fracturing are evident. Strong limonitic zones about 10 cm wide interupt more silicified rubble breccia zones. Galena stringers and blebs about 2% found along fractures 45-50 dgrs to c.a. which crosscut earlier qtz/carbonate veinlets in the fault matrix (gouge). Lost core accountable for in a limonitic fault gouge zone.	81088 69.88-7071	12.1	10.45	2.30	3.44		69.88	70.71	0.83	0.76	91.6
									69.19	70.71	1.52	1.38	90.8
70.71	73.0	RECRYSTALIZED MOSSAIC DOLOSTONE BRECCIA Completely recrystalized dolostone with dark/light patchy look. This has been brecciated producing a very complicated structure. Later fracturing at about 60 dgrs are infilled by qtz/carbonate and qtz fracture filling. Zone becomes increasinly more gougy at depth. No depth block was found, so zone has been lumped together. Lost core suspected in this gouge zone. Limonite and disseminated sphalerite (also in blebs and stringers) are seen in breccia matrix which increases at depth (just prior to last gage zone). Pyrite stringers seem to parallel sphalerite and are often seen as isolated pods in the sphalerite.	81089 70.71-73.0	0.18	0.21	0.86	60		70.71	73.06	2.29	1.68	73.4
									70.71	73.76	3.05	2.46	80.7
73.0	74.0	SHPALERITE/PYRITE GALENA ZONE Light/med grey partially mottled, completely recrystalized silicified dolostone. Zone has been brecciated after original recrystalization and then been recrystalized again completely masking older structures. This makes identification very difficult and massive dark purple/red sphalerite vns crossed core at 65 dgrs to c.a. and range from 3-12 mm wide. Galena about 1% and pyrite about 5% are associated with the sphalerite in the same orientation. A 7 cm massive sphalerite/galena/pyrite vein is found at 72.93-72.70 m and has disseminated contact with the dolostone making angle to c.a.impossible to tell at lower contact while upper contact is at 45 dgrs to c.a. Mineralization follows the development of styolites which predates mineralization and the styolites follow major brecciation and recrystalization. Stringers of steely galena along fractures.	81090 73.0-74.0	2.49	1.08	7.52	339		73.0	74.0	1.0	1.0	100
									73.76	75.29	1.53	1.53	100

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-35 PROPERTY RETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
									73.76	75.29	1.53	1.53	100
74.0	74.79	SPHALERITE ZONE Slightly bleached/silicified recrystalized dolostone, patchy white/dark indistinct smears. Possibly a recrystalized breccia zone, though brecciation appears masked by recrystalization. Thin limonitic fractures and more intense massive sphalerite/pyrite vnlets seen at about 50 dgrs to c.a; 3-6 mm wide vnlets are the last phase and crosscut styolites which run at a high angle to c.a. Galena also occurs along fractures and in association with sphalerite and pyrite vnlets which occur parallel at about 7 cm spacings.	81091 74.0-74.79	0.10	0.06	2.65	49		74.0	74.79	0.79	0.79	100
									75.29	76.81	1.52	1.4	98.0
			81092 74.79-76.01										
74.79	76.01	SPHALERITE ZONE Recrystalized dolostone slightly bleached. Sphalerite stringers and vnlets act as matrix for brecciated clasts. At 74.79-75.29 sphalerite occurs as long linear bands nearly perpendicular to c.a. 20mm wide and as 15mm perpendicular c.a. The two appear to be at the same relative age and no crosscutting relationship is evident. Towards end of zone of 76.75 a massive 63 mm sphalerite vn is found at perpendicular to c.a. Inside brecciated angular silicified dolostone clasts 3-7 mm wide are found. Below this zone brecciation is more evident and sphalerite is much more dispersed around clasts or matrix. Total sphalerite about 35% of sample. Pyrite is not as evident here at about 2%.	81092 74.79-76.01	0.22	0.21	9.85	116		74.79	76.01	1.22	1.22	100
76.01	77.61	SPHALERITE ZONE Rubbly brecciated lightly bleached dolostone with both angular and rounded clasts often supported in limonitic/sphalerite fracture filling matrix. Highly brecciated zones are generally about 10 cm with fractured yet not visibly brecciated zone between them. Fracture at 65 dgrs to c.a. are very brocken up, so movement has occured along them since original infilling. Brecciation increases with depth in zones. Sphalerite is randomly orientated along breccia openings and not restricted to vnlets as further up zone. Pyrite still present at about 2%, but finer and more disseminated.	81093 76.01-77.61	0.19	0.12	6.09	52		76.01	77.61	1.60	1.57	98.1
									76.81	78.33	1.52	1.52	100
77.61	78.96	RUBBLY BRECCIA Dolostone breccia clast, rounded and fractured 7-23 mm sitting in a rubbly dolostone matrix 1-3 mm in size with a strong limonitic component which almost disappears at 78.33 m. Core becomes increasingly lighter colour with depth. No visible sulphides present.	81094 77.61-78.96	0.27	0.10	2.42	39		77.61	78.96	1.35	1.30	96.3
									78.33	79.85	1.52	1.47	96.7

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-35 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
78.96	81.32	RUBBLY BRECCIA Intensely brecciated dolostone where anguar clasts 5-15 m float in a bleached carbonate matrix and smaller clasts <3 mm in size with sparse limonitic coatings. Rubbly breccia become increasingly less developed with depth where about 21.20 m a crackle type breccia is more apparent.											
81.38	85.99	MED GREY HOMOGENEOUS DOLSTONE Very competent homogeneous zone. Fracturing is limitted to a parallel relatively even spaced series 45 dgrs to c.a. generally about 5 cm apart. Fractures are often slightly limonitic 1-4 mm wide. Qtz vning occurs at the same orientation with the limonitic halos 10-15 mm wide. Silicification and oxidation are now not apparent, rock is very fresh signifying we are now out of the fault zone into the footwall. Similar qtz vns seen in footwall at surface.							81.38	82.91	1.53	1.53	100
									82.91	84.43	1.52	1.52	100
									84.43	85.95	1.52	1.45	95.4
		END OF HOLE 85.95 M.											
		TOTAL RECOVERY:							5.49	85.95	80.46	72.5	
													90.7%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-36

AREA	NO.3 ZONE	SECTION	0+58.5 N	DATE Started	08-05-88 (N)
CLAIM	VER 1	AZIMUTH (T)	070 Degrees	DATE Completed	08-11-88 (N)
GRID CO-ORDS Line		INCLINATION	-77 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	109.42m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	35628.38	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15445.84	DEPTH Overburden	3.66m	CORE RECOVERY	87.3%
ELEVATION	1931.76m	VERT. COMP.	105.87m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	26.89m		

COMMENTS DRILL HOLE COLLARED ON "A" VEIN, AND DRILLED DOWN DIP FOR APPROXIMATELY 60 METERS. HOLE ABANDONED @109.42m-RODS STICKING

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-77	070	BRUNT				
53.34	-76	070	ACID				
106.68	-73	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	3.66	OVERBURDEN				
3.66	78.13	"A"-VEIN,BxD,DF,QZ				
5.18	6.71	QZ -"A" VEIN	1.53			
9.30	11.38	QZ -"A" VEIN	2.08			
40.42	41.76	QZ -"A" VEIN	1.34			
51.44	52.78	QZ -"A" VEIN	1.34			

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.84	0.72	4.16	309	100.0%
0.26	0.17	6.70	123	81.7%
0.54	0.58	4.10	129	93.3%
5.03	6.80	5.40	398	100.0%

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PROPERTY KETZA PROJECT **D.D.H.** YM88-36

AREA

CLAIM

GRID CO-ORDS: Line / Station

SURVEY CO-ORDS: Northing / Easting

ELEVATION

STICK UP

SECTION

AZIMUTH (T)

INCLINATION

DEPTH: Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE: Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
57.91	59.44	PZ -"A" VEIN	1.53			
78.13	85.95	NO.3 - BxD	7.82	7.25	12.34	82.04
85.95	109.42	Bx DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
3.41	1.90	1.27	633	94.1%
0.06	0.10	0.04	9	93.2%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-36 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0.00	3.66	CASING/OVERBURDEN											
3.66	4.36	MOSAIC BRECCIA/LIGHT GREY DOLOSTONE Angular brecciated dolostone where clast >8 mm surrounded by limonitic carbonate fracture filling at opposing 45 dgrs to c.a. or 90 dgrs between fractures. These produce diamond shaped clasts.							3.66	5.18	1.52	1.38	90.8
4.36	5.18	OXIDE ZONE Oxidized rubble breccia, where med grey rounded dolostone clasts 8-23 mm sit in a fine clast <3 mm and limonite carbonate matrix. Main oxide zone 4.4-5.0m where limonite is about 50%. Slight Mn stains along fractures.	81095 4.36-5.18	0.33	0.199	3.40	76		4.36	5.18	0.82	0.80	97.6
5.18	6.71	OXIDE ZONE Rubbly breccia zone where intense oxidation completely alters orignal dolostone to 100% limonitic gouge between 5.48m-5.88m. No galena visible in this 40mm zone. 5.88m-6.71m zone becomes more competent, though still a rubble breccia. Slightly oxidized pyrite ehuedral cubes 1-3 mm along fracture faces. Sphalerite 1-3% present in isolated blebs in the oxide and as matrix in the rubble breccia.	81096 5.18-6.71	0.89	0.72	4.16	3099		5.18	6.71	1.53	1.53	100
6.71	7.77	GALENA ZONE Crackle dolostone breccia to mossaic breccia. Lightly bleached dolostone with darker angular clasts, surrounded by limonitic fractures filling which contains 1-3% thin galena stringers 1-3 mm wide. Latest fracture evident filled by qtz which shows shearing along these places at 75 dgrs to c.a.	81097 6.71-7.77	0.43	0.66	1.75	93		6.71	7.77	1.06	0.82	77.4
7.77	9.30	LIGHT GREY SLIGHTLY MOTTLED DOLOSTONE Recrystalized dolostone producing light/dark patchy look with limonitic stain "possibly a recrystalized breccia", no pervasive fracture set, just erratic extremely fine fractures <<1 mm wide. Styolites present often at high angles to c.a. and crosscut all structures present.	81098 7.77-9.30	0.03	0.01	0.90	18		7.77	9.30	1.53	1.45	94.8
									9.30	10.52	1.22	0.95	77.9

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
9.30	11.38	OXIDE ZONE Rubbly breccia which has undergone intense oxidation producing zones of about 100% limonitic gouge to lesser zones which contain only 20% limonitic (gouge/matrix) between lesser altered dolostone clasts. Core brocken into about 5 cm blocks, broken perpendicular to c.a. and quite reduced in circumference compared to usual H-Q core circumference. Pyrite once quite evident, now is almost completely oxidized; remnant cores remain in fractures and along old styolites. Mn stain present but only in very little isolated patches. No visible sulphides seen.	81099 9.30-11.38	0.26	0.17	6.70	123		9.30	11.38	2.08	1.70	81.7
									10.52	12.80	2.28	1.12	49.11
11.38	12.80	CRACKLE BRECCIATED MED GREY DOLOSTONE Broken ground core; very poor recovery. Dolostone is relatively unaltered, same limonitic halos/matrix.	81100 11.38-12.80	0.08	0.11	0.15	51		11.38	12.80	1.42	0.42	299.6
12.80	14.02	RECRYSTALIZED BRECCIA Poor coring, very broken with blocky recovery. Recrystalization produces a light darker mottled look. Orignal brecciated clasts still evident. Matrix is slightly limonitic with pyritic vnlets and patches along secondary fractures about parallel to c.a.							12.80	14.02	1.22	0.86	70.5
14.02	15.04	RECRYSTALIZED BRECCIA Med grey mottled (slightly) recrystalized brecciated dolostone. Matrix is slightly limonitic, and original clasts a darker grey. Several small fractures sets are present, but very random. Last major phase are often qtz infilled and core breaks along them at 65 dgrs to c.a. Trace amounts of galena <<<1% also seen as smears along fracture faces.	81101 14.02-15.04	0.05	0.05	0.15	<5		14.02	15.04	1.02	0.93	91.2
									14.02	15.54	1.52	1.43	94.1
15.04	15.54	GALENA ZONE More visibly recrystalized rubble breccia than above, clasts are quite dark, angular and 5-17 mm in size, in a slightly limonitic carbonate matrix. Core breaks nearly perpendicular to c.a. and small concentrations of fine grained galena about 1-3% are found.	81102 15.04-15.54	0.09	0.14	0.07	5		15.04	15.54	0.50	0.50	100
15.54	19.00	RECRYSTALIZED BRECCIA Med to light grey recrystalized brecciated dolostone. Carbonate/limonitic stained matrix, darker dolostone clasts. Same light/dark mottled appearance mentioned earlier.	81103 15.54-16.34	0.02	0.04	0.04	<5		15.54	16.34	0.80	0.74	92.5
									15.54	17.07	1.53	1.50	98.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-36 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
19.0	30.28	RECRYSTALIZED BRECCIA This zone is very consistent across measurd width where brecciation is still evident over recrystalization. Several periods of brecciation/recrystalization are evident where smaller isolated(about 3 cm) brecciated fractures show small iregular angular clasts in a more limonitic matrix. Poor core recovery is seen in these zones, where rock is very blocky. Last dominant fracturing occurs at 45 dgrs to c.a., often limonitic or with thin barren qtz vnlets 3-5 mm wide.							17.07	18.59	1.52	1.37	90.1
									18.59	20.12	1.53	1.49	97.4
									20.12	21.33	1.21	0.75	62.0
									21.33	22.25	0.92	0.60	65.2
									22.25	22.86	0.61	0.37	60.7
									22.86	24.38	1.52	1.10	72.4
									24.38	25.91	1.53	1.30	85.0
									25.91	27.43	1.52	1.31	86.2
									27.43	29.26	1.83	1.48	80.9
		Recrystalized breccia, barren of suphides with limonite restricted to thin fracture filling.	81104 29.26-30.28	<0.01	0.01	0.19	11		29.26	30.28	1.02	0.81	79.4
									29.26	30.78	1.52	1.27	83.6

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DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
30.28	30.78	OXIDE ZONE Recrystalized dolostone which has reundergone local brecciation between 30.43-30.58. Here a more intense limonitic/oxide matrix about 75 % contains disseminated galena blebs 1-3 mm wide along fractures. Dolostone clast are dark, and appear elongated, slightly banded. Rock on either side has reddish/brown limonitic fractures near parallel to c.a. which contains galena in thin discontinous stringers. Small discontinuous dark <<<1 mm stringers may be sphalerite.	81105 30.28-30.78	0.26	0.44	0.71	35		30.28	30.78	0.50	0.43	86.0
30.78	32.31	RECRYSTALIZED DOLOSTONE Mottled light/dark dolostone becomes less brecciated appearing to be a more crackle type breccia. Pyritic/limonitic fractures carry very fine specks of galena and ?sphalerite <1%. Fractures are randomly orientated.	81106 30.78-32.31	0.03	0.06	0.14	14		30.78	32.31	1.53	1.19	77.8
32.31	33.03	OXIDE ZONE Brecciated dolostone showing rebrecciation of previously recrystalized breccia. Angular clasts sit in a very limonitic fracture fill gouge or limonitic/carbonate matrix which constitutes 30% of sample. Later fracturing along planes 15-20 dgrs to c.a. are mineralzed with galena blebs 1mm wide and <6 mm long. About 3% with about ?1% sphalerite.	81107 32.31-33.03	0.13	0.16	0.61	87		32.31	33.03	0.72	0.60	83.3
									32.31	33.83	1.52	1.29	84.9
33.03	35.05	RECRYSTALIZED DOLOSTONE Dark grey slightly mottled dolostone with lighter slighly limonitic patches, often along old fractures. Qtz vns present as infilling of tension dilations and as a 20 cm slightly limonitic barren bull qtz vein at 55 dgrs to c.a.Pyritic fractures at 65 dgrs to c.a. contain discontinuous galena stringers; blebs of galena are also seen in isolated breccia zones as part of the limonitic matrix, comprising 1% of sample. Minute specks of passable sphalerite also occur along these fractures.	81108 33.03-35.05	0.14	0.22	0.10	<5		33.03	35.05	2.02	1.72	85.1
									33.83	35.05	1.22	1.00	82.0
35.05	36.58	RECRYSTALIZED DARK GREY DOLOSTONE Recrystalized ? crackle breccia, limonitic carbonate fracture filling at 10-15 dgrs to c.a. contain trace pyrite and sphalerite blebs. Thin barren qtz vnlets run at 45-55 dgrs to c.a. and average 5-10 mm wide. Qtz vns are disrupted by the mineralized breccia fractures at 10-15 dgrs which fault qtz vns. Qtz infilling of tension dialation also present but not pervasive.	81109 35.05-36.58	<0.01	0.03	0.14	<5		33.05	36.58	1.53	1.07	70.0

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DIAMOND DRILL LOG

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DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
									36.58	38.40	1.82	0.67	36.8
36.58	39.46	QUARTZ VEIN & DOLOSTONE RUBBLE Broken/rubbly white bull qtz vn slightly limonitic stained along fractures with no visible sulphides. First 30 cm of sample is very rubbly recrystalized breccia and contact with qtz vn lost in coring. At 38.30-38.45, rubbly brecciated dolostone contains interwoven qtz vnlets and rebrecciated fractures. Base of qtz vn at 39.40, qtz vn becomes interfingered with lower rebrecciated dolostone.	81110 36.58-39.46	<0.01	<0.01	0.09	8		36.58	39.46	2.88	1.67	58.0
									38.40	40.23	1.83	1.46	79.8
39.46	40.01	GALENA ZONE Very brecciated angular dark to medium dolostone clasts. Generally 5-10 mm in size sitting in a <1 mm broken dolostone and limonitic carbonate matrix. Large qtz pods and veinlets (6 cm - 1 cm) contian med grained clotted galena about 1-2%. Galena is also seen as small blebs along fractures at 20 dgrs to c.a. and within the breccia matrix 1-2%; about 3-4% galena combined.	81111 39.46-40.01	0.61	0.87	0.91	26		39.46	40.01	0.55	0.51	92.7
40.01	40.42	QUARTZ VEIN White barren qtz vein containing angular dolostone clasts often very fractured with limonitic stain. Upper contact is quite sharp at 20 dgrs to c.a. Bottom contact not as well defined at about parallel to c.a. Vein is quite brittle, with major fracturing approoximately parallel to c.a. and parallel to one another at 1 cm intervals.	81112 40.01-40.42	0.09	0.03	0.94	41		40.01	40.42	0.41	0.39	95.1
									40.23	41.76	1.53	1.53	100
40.42	41.76	GALENA ZONE Mosaic dolostone breccia with limonitic/carbonate matrix, where many of the clast are slightly bleached. Qtz vnlets at about 15 dgrs and qtz pods about 33 mm wide and qtz infilled tension dialations are present. Fractureing at 25 dgrs to c.a. contain dark brown red pyritic oxidation and disseminated galena blebs at about 2-3%. These are the last structures to form and crosscut others.	81113 40.42-41.76	0.54	0.58	4.10	129		40.42	41.76	1.34	1.25	93.3

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DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
41.76	43.28	GALENA/OXIDE ZONE Rubbly dolostone breccia, dark dolostone angular clasts in a limonitic matrix. Very fractured, but good coring. Alternating about 10 cm zone of mosaic breccia, and rubble breccia becomes increasingly oxidized from 42.68 to 43.28 m. Qtz clasts seem to float in a 75% limonitic matrix. Disseminated galena flecks <1 mm seen throughout very limonitic matrix and earlier in zone at 41.80 along 60 dgrs to c.a. pyritic fractures.	81114 41.76-43.28	0.50	0.70	2.28	185		41.76	43.28	1.52	1.52	100
43.28	44.50	OXIDE ZONE Very bleached and rubbly brecciated dolostone which has undergone relatively intense oxidation. Core is quite good, with breaks occurring lengthwise along or very near to core axis. Oxidation/limonitic coating has overprinted all earlier breccia structures. Mn stain present along fracture faces. Limonite comprise about 55%; no visible sulphides seen.	81115 43.28-44.50	0.27	0.09	0.84	79		43.28	44.50	1.22	1.19	997.5
44.50	47.86	LIMONITIC RUBBLE BRECCIA ZONE Good corring, excellent recovery. Core seems divided down the core axis into 2 separate breccia types. One half consists of brecciated recrystalized med grey dolostone and resembles a more coarser breccia of clasts ranging 5-25 mm with light grey carbonate matrix. The other half is comprised of limonitic matrix hosting subangular to subrounded light grey dolostone, clasts generally smaller than 8 mm in size. The contact between the two is more red/brown oxidized. The limonitic matrix breccia tends to break down easier than the other half. Thin pyritic/oxide concentration along styolites dominantly at low angles to c.a. contain <1% very fine disseminated galena. Fractures are numerous but of random orientation, generally <1mm wide.	81116 44.50-46.33	0.08	0.20	0.16	22		44.50	46.33	1.83	1.33	72.8
			81117 46.33-47.86	0.31	0.84	0.52	42		46.33	47.86	1.53	1.47	96.1
									47.86	49.38	1.52	1.52	100

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DIAMOND DRILL LOG

DDH YM88-36 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
47.86	49.73	GALENA ZONE Recrystalized dolstone breccia, alternating crackle/mosaic, and rubbly zones. Very fractured zone but relatively competant and excellent coring. Possible silicification within lighter recrystalized dolostone where numerous <<<< 1 m limonitic fractues are present. Rubble breccia has strongly limonitic matrix about 35%. Quartz is present as discontinuous vnlets and pods. Galena is present within the limonitic breccia matrix surrounding slightly silicified light grey dolostone clasts and within pyritic/redish oxized fractures towards 49.20 m at about 15 dgrs-20 dgrs to c.a.	81118 47.86-49.73	0.38	0.71	0.92	40		47.86	49.73	1.87	1.83	97.9
49.73	50.23	OXIDE ZONE Very oxidized and brecciated dolostone, masked by exterior limonitic coating. Pyritic red/dbrown fractures at 5-15 dgrs to c.a. contain disseminated galena blebs <1 mm. Galena also present as discontinuous blebs and stringers in the darker red limonitic oxidized matrix comprising about 5% in total. Associated with galena, dark black/brown flecks may be sphalerite 1-3% of sample.	81119 49.73-50.23	0.62	0.48	0.80	398		9.73	50.23	0.50	0.50	100
									49.38	50.90	1.52	1.46	96.1
50.23	51.44	GALENA ZONE Recrystalized rubble brecciated dolostone. Angular 5-20 mm dolostone dark grey clasts in a recrystalized matrix of finer <5 mm broken clasts and light coloured carbonate matrix with a decrease in limonite stain with depth. Most structures impaired by recrystalization, where brecciation is not as evident with depth. Pyritic/galena fractures 1-2 mm wide run at 0-5 dgrs to c.a., though fractures continue, mineralization appears sporadicly along length. Gradational contacts above and below. Qtz is present in very small 2-3 mm vnlets, barren and few in number about 35 dgrs to c.a.	81120 50.23-51.44	0.35	0.50	1.14	57		50.23	51.44	1.21	1.14	94.2
									50.90	52.43	1.53	1.50	98.0
51.44	52.78	OXIDE ZONE Light colored/bleached rubble breccia with subangular to subrounded 5-25 mm clasts, matrix supported comprised of <5 mm clasts and limonitic/carbonate. Excellent coring, very few post brecciation fractures. Galena present along withpyrite on 15-20 dgrs to c.a., fractures comprising about 5-10% of smple and within the more intense limonitic matrix. Sphalerite seen as indistinct blebs in matrix at about 1% of sample.	81121 51.44-52.78	5.03	6.80	5.40	398		51.44	52.78	1.34	1.34	100

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DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
52.78	53.33	QUARTZ VEIN Very fractured limonitic stained quartz vein, with poorly defined upper contact with oxide zone. Brecciated light grey limonitic stained dolostone clasts present throughout zone. Galena is present in upper zone about 52.85 m where oxide zone becomes interfingered with the qtz ven. No sulphides can be seen in qtz veining. Lower contact is very sharp at 25 dgrs to c.a. Shearing at 40 dgrs to c.a. produces breaks alon thin chloritic/sericitic phyllitic bands 3 cm side, possibly a product of shearing along a more pelitic zone of clasts in the veins. These overprint earlier fracturing in the qtz vn.	81122 52.78-53.33	1.12	1.61	0.62	131		52.78	53.33	0.55	0.53	96.4
									52.43	53.95	1.52	1.50	98.7
53.33	54.20	GALENA/PYRITE ZONE Med grey fossilferous recrystalized dolosone. Upper conact with qtz vn very sharp at 25 dgrs to c.a. Brecciation continues across zone but becomes less brecciated with depth. (Rubble to crackle). Dark to rimmed limonitic styolites evident near perpendicular angles to c.a. Qtz vnlets crosscut other styolites at 25 dgrs to c.a.(5-10mm). Fractures nearly parallel to c.a. are pyritic with strong oxidized contacts, these crosscut other structures and infill vugs produced in the carbonate by exsolution. Appearance of amphipora in core as recrystalized circular forms 2-7mm in size. Galena and sphalerite occur as spotty flecks on core surface along fractures (1-3% combined).	81123 53.33-54.20	0.28	0.36	2.30	159		53.33	54.20	0.87	0.87	100
									53.95	55.47	1.52	1.50	98.7
54.20	57.91	FOSSILIFEROUS DARK GREY DOLOSTONE Homogeneous dark grey amphipora bearing dolostone with about 60% fossils. (Amphipora, 50% and stromatopora at about 10%). Thin limonitic fractures <1 mm thick at about 45 dgrs to c.a. Wel defined (carbonaceous accumulations) along styolite margins. Pyritic fractures with trace (about 1%) disseminated galena occur along them nearly parallel to core/axis. A parallel set of qtz infilled fractures occur at 25 dgrs to c.a. and crosscut all other structures.	81124 54.20-56.50	0.19	0.27	1.02	125		54.20	56.50	2.30	2.15	93.5
			81125 56.5-57.91	0.25	0.35	0.09	38		56.5	57.91	1.41	0.37	97.2
									55.47	57.00	1.53	1.45	94.8
									57.00	57.91	0.91	0.89	97.8

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-36 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
57.91	59.44	PYRITE ZONE Mossaic brecciated dolostone, slightly fossiliferous with 5-10% recrystalized amphipora. Numerous erratic <1 mm limonitic stained carbonate fracture filling. Large 50 mm round zones of massive med grained subhedral pyrite about 25-30% of sample in ? vugs. Galena with angelsite layered alteration halos are seen within the pyrite masses at about 1%. Dominant structure is the last phase of fracturing at 45 dgrs to c.a.	81126 57.91-59.44	3.41	1.90	1.27	663		57.91	59.44	1.53	1.44	94.1
59.44	62.48	FOSSILFEROUS DARK GREY DOLOSTONE Recrystalized dark grey relatively homogeneous dolostone, void of limonitic fractures and qtz vnlets. Fossil content dies at 62.25 m. Disseminated pods of galena are found in the few limonitic fractures at about 15 dgrs to c.a. and i small vugs in the core, totaling about 1%. A black mud layer 8 cm thick occurs at 62 m of either completely altered dolostone or more likely alteration of a more pelitic lens with the carbonates.	81127 59.44-60.96	0.23	0.37	0.21	53		59.44	60.96	1.52	1.50	98.7
			81128 60.996-62.48	0.20	0.38	0.11	51		60.96	62.48	1.52	1.40	92.1
62.48	64.62	GALENA ZONE Highly rubbly brecciated light grey dolostone with small angular dark clasts in a lighter completely recrystalized carbonate matrix. Matrix is quite limonitic between 62.48 and 63.40 with discontinuous bands of pyrite/galena with matrix and along 15-20dgr. to c.a. fractures (1-3%). Black layers (<3mm) wide of ? carbonaceous pelitic material occur in discontinous bands and blebs. Galena is more disseminated 64.10m to 64.62m in the matrix (about 5%).	81129 62.48-64.62	1.84	1.40	0.10	111		62.48	64.62	2.14	2.14	100
									62.48	63.40	0.92	0.92	100
									63.40	64.62	1.22	1.22	100
64.62	66.14	GALENA ZONE Rubbly brecciated light colored dolostone. Darker clasts 5-20 mm in size in a recrystalized carbonate matrix. Core appears bleached with only very minor limonitic stain. Galena is present in the matrix at 65.0 m at about 1-2% withpyritic zones present at 65.40 m, slightly altered (oxidized).	81130 64.62-66.14	0.77	1.69	0.03	20		64.62	66.14	1.52	1.45	95.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-36 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
66.14	68.42	RUBBLE BRECCIA ZONE Rubbly breccia of coarsely crystalized carbonate matrix with slightly pink oxidation stain. Clasts are subangular and of dark dense dolostone. Cabonate fracture filling occur at 20-25 dgrs to c.a. in discontinous tension dialations. These are crosscut by dark (?cabonaceous) bordered styolites generally perpendicular to c.a.	81131 66.14-66.89	0.12	0.15	0.24	17		66.14	66.89	0.75	0.72	96.0
									66.14	67.63	1.49	1.49	100
									67.63	69.19	1.56	1.50	96.2
68.42	71.0	RECRYSTALIZED BRECCIA DOLOSTONE Very patchy dark light zone. Large zones of mottled light coarse grained recrystalized carbonate matrix with qtz bands and blebs within. Breccia is quite fresh with no visible alteration or sulphides present. No dominant fracture set present. Mud seams present at about 69.40 about 25-30 cm wide, lost core here.							69.19	70.71	1.52	1.27	83.6
									70.71	72.24	1.53	1.44	94.1
71.0	77.63	DARK GREY SLIGHTLY PHYLLITIC BRECCIATED DOLOSTONE. Alternating zones of very rubbly brecciated angular dolostone in coarse grained lightly bleached/silicified carbonate matrix with zones of homogeneous dark grey dolostone which displays (foliated) phyllitic textures about 60 dgrs to c.a. These phyllitic bands are slightly darker and often contain more competant dolomitic augens, and form possibly along more pelitic lenses in reponse to shearing next to a fault zone. Foliation often disrupted by brecciated zones and often are limonitic stained.											
		(73.0-73.30) PYRITIC ZONE about 35% in a brecciated zone next to a slightly sheared phyllitic zone. Pyrite is subhedral, massive, and occurs along fractures or large vugs (5-6 cm) wide. Oxidation halos around pyritic fractures and about 1% sphalerite flecks.	81132 73.0-73.30	0.27	0.16	0.79	403		73.0	73.30	0.30	0.30	100
									72.24	73.76	1.52	1.37	90.1
		(74.24-74.59) PYRITIC ZONE, 15%. Massive anhedral mass within a carbonate filled fracture at 20 dgrs to c.a. 1 cm wide.	81133 74.27-74.59	0.28	0.05	0.84	200		74.24	74.59	0.35	0.35	100
		Core becomes more rubbly with depth about 76.80-77.63 m. Qtz vnlets 10-24 mm wide barren and white at 50 dgrs to c.a.							73.76	75.29	1.53	1.48	96.7
		At 75.29, a qtz carbonate infilled sheared zone contains brecciated elongated fragments of dolostone, fractured faulted enechelon.							75.29	76.81	1.52	1.18	77.6

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-36 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
									76.81	78.33	1.52	1.42	93.4
77.63	78.13	SHEARED, PHYLLITIC CARBONATE Phyllitic carbonate with foliation at 65 dgrs to c.a. Sheared zone where carbonate lenses are bent over on itself with brocken clasts surrounded by limonitic stained, phyllitic/cabonaceous layers. Carbonate vnlets parallel sheared zone at 65 dgrs to c.a.	81134 77.63-78.13	0.03	0.03	0.05	14		77.63	78.13	0.50	0.50	100
78.13	78.43	GALENA ZONE Recrystalized mossaic breccia where matrix is medium grained dolomite with siliceous pods and vnlets. Galena occurs within matrix and along fractures about 60 dgrs to c.a., 1-5 mm wide and comprises 3-5% of sample. Qtz carbonate fracture filling dominantly at 15 dgrs to c.a.	81135 78.13-78.43	0.79	1.37	0.16	11		78.13	78.43	0.30	0.30	100
									78.33	79.86	1.53	1.02	66.7
78.4.	79.86	CRACKLE BRECCIA ZONE Recrystalized and slightly sheared dark grey dolostone. Brecciation decreases with depth into a more homogeneous fractured dolostone. Thin spotty galena flecks <1 mm seen along carbonate fracture and within breccia matrix at 38.45m <<<1%.	81136 78.43-79.86	0.07	0.15	0.08	6		78.43	78.86	1.43	0.90	62.9
79.86	85.65	HOMOGENEOUS DARK GREY RECRYSTALIZED DOLOSTONE Recrystalized dark grey thinly fractured dolostone (?crackle breccia) with zones of coarsely crystaline light colored dolomite vnlets, vug fillings, and vnlets. Thin slightly pink/limonitic carbonate fracture filling at about 25 dgrs to c.a. Zones of rubble breccia restricted to vnlets and vugs generally 20 dgrs to c.a. composed and light dolomite hosting angular (3-10 mm) dolomite clasts.	81137 79.86-81.38	0.02	0.01	0.02	10		79.86	81.38	1.52	1.52	100
			81138 81.38-82.91	0.030	0.06	0.02	8		81.38	82.91	1.53	1.53	100
		Galena present very eraticly along carbonate fracture fillings at 0-5 dgrs to c.a. and are the last sequence of fractures evident in the core. Mineralization <1% of measured length.	81139 82.91-84.43	0.02	0.03	0.01	7		82.91	84.43	1.52	1.52	100
		Sampled because zone is mineralized and we are in the projected intersection zone.	81140 84.43-85.65	0.01	0.01	0.03	12		84.43	85.65	1.22	1.22	100

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-36 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
85.65	85.95	POSSIBLE SPHALERITE ZONE Homogeneous dolostone with limonitic/pyrite bands 10-15 mm wide with possible sphalerite mineralization present at about 60-70 dgrs to c.a.	81141 85.65-85.995	0.15	0.02	0.02	25		85.65	85.95	0.30	0.30	100
									84.43	85.95	1.52	1.52	100
85.95	90.28	HOMOGENEOUS DARK GREY DOLOSTONE Very dense compact excellent corring zone. Core is disrupted by coarse crystaline carbonate vnlets at 35 dgrs to c.a. 5-20 mm wide. Smaller slightly limonitic fractures are at random in core. Brecciation occurs along these carbonate infilled fractures. Besides this, zone is very fresh with no alteration or oxidation , but fracturing increases with depth. Shearing still seems evident at 45-55 dgrs along more pelitic dark phyllitic bands ie. .5 cm wide at 87.73 m.							85.95	87.48	1.53	1.53	100
									87.48	89.01	1.53	1.50	98.0
									89.01	90.53	1.52	1.52	100
90.28	95.10	DARK GREY RECRYSTALIZED BRECCIATED DOLOSTONE Excellent coring competant zone, very complex structural deformation present. Majority of core appears to be a dense dark grey homogeneous recrystalized dolostone. Later deformation has produced ample coarse grained carbonate breccia zones hosting angular clasts of the dark dolostone. These are rubbly breccia zones and occur throughout measured zone. Post brecciation fractures at about 10-30 dgrs to c.a. are slightly limonitic carbonate filled and contain discontinuious galena/mineralization at about 1-2% of sample. These fractures appear fractured from later deformation, but no superimposed structure is evident. Zone becomes increasingly less brecciated at about 94.0 m, to become a relatively homogeneous zone with smaller carbonate filled breccia zones (<10 mm) wide.							92.05	93.57	1.52	1.45	95.4
			81142 91.3-92.05	0.06	0.06	0.36	15		91.3	92.05	0.75	0.66	88.0
			81143 92.05-93.57	0.74	0.13	0.02	10		92.05	93.57	1.52	1.45	100
			81144 93.57-94.32	0.04	0.04	0.02	26		93.57	94.32	0.75	0.75	100
									93.57	95.10	1.50	1.49	97.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-36 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
95.10	99.96	HOMOGENEOUS RECRYSTALIZED BRECCIATED DOLOSTONE Zone alternates from completely recrystalized breccia to partially recrystalized rubble breccia. Clasts and matrix hard to distinguish between slight bleaching seen in more rubbly zones. Base of zone about 99.36. Cone becomes more sheared, brecciation overprinted by 65 dgrs to c.a. parallel layers of phyllitic layers (foliations). Alternating phyllitic layer, (3-10mm) with parallel zone of elongated crackle breccia dolostone. Contact with lower mosaic brecciated zone very sharp from 30mm of phyllitic sheared dolostone at 75 dgrs to c.a.							95.10	96.37	1.32	0.86	67.7
									96.37	97.54	1.17	1.17	100
									97.54	99.06	1.52	1.52	100
99.96	100.76	RUBBLE BRECCIA Zone becomes increasingly brecciated with depth from mosaic breccia to intensely deformed rubble breccia. Dark grey dolostone intensely fractured where clasts are very broken looking and the slightly limonitic breccia has been weathered out leaving a very coarse/pitted look. Shearing has produced an elongation of clasts 15-20 dgrs to c.a. Lower contact is very sharp at 25 dgrs to c.a. with lower more limonitic silty carbonate unit.							99.06	100.58	1.52	1.40	92.1
100.76	101.29	SILTY CARBONACEOUS PHYLLITE Slightly limonitic very light grey brown silty/argillaceous carbonate which has been sheared along foliation planes about 45 dgrs to c.a. Surface has characteristic greasy feel and contains lensed shaped qtz carbonate augens (5-10mm) wide. Lower contact with dolostone very sharp along a 15 mm carbonate vnlet at 35 dgrs to c.a.							100.58	101.19	0.61	0.40	65.6
101.29	103.9	DARK GREY DOLOSTONE & INTERBEDDED CARBONACEOUS PHYLLITE Crackle brecciated dark grey relatively homogeneous dolostone laced with minute fractures with thin 1 cm to 8 cm interbedded light grey/brown cabonaceous phyllites at 55 dgrs to c.a. Lower phyllite contact at 101.90 is very sharp at 35 dgrs to c.a. with 10 cm highly brecciated rubble zone. This occurs several times over the measured length at approximately same orientation to c.a.							101.19	102.72	1.53	1.53	100
									102.78	104.24	1.46	0.98	67.1
103.9	107.0	RUBBLE BRECCIA ZONE Slightly bleached rubble breccia with light, very slightly limonitic carbonate matrix. Core is good despite the broken nature of the zones. Slicken sides present at 104.54 and are 0-5 dgrs to c.a. Well striated with shin limonitic stain.							104.24	105.77	1.53	1.37	89.5
									105.77	107.29	1.52	1.31	86.2

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-36 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
107.0	109.42	RUBBLE BRECCIA							107.29	107.90	0.61	0.58	95.1
		Core very rubbly at 107.0 progressing into more competant recrystalized dark grey dolostone. Brecciation becomes more evident at 107.80 m where highly fractured dolostone clasts comprise a rubbly breccia. Hole ends with a strong brecciation zone due to mudding in. Last run short due to having to abort hole. Zone possibly still further down, and the hole may have ended within the upper brecciated zone.							107.90	109.42	1.52	0.64	42.0
		Drillers report getting stuck in 45 cm clay zone, which was not recovered.											
		END OF HOLE 109.42 TOTAL RECOVERY							3.66	109.42	6105.	92.34	87.3

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-37

AREA	NO.3 ZONE	SECTION	0+90 N	DATE Started	08-11-88 (N)
CLAIM	VER 1	AZIMUTH (T)	070 Degrees	DATE Completed	08-13-88 (N)
GRID CO-ORDS Line		INCLINATION	-45 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	79.25m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	35656.65	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15431.05	DEPTH Overburden	3.66m	CORE RECOVERY	75.6%
ELEVATION	1918.27m	VERT. COMP.	54.02m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	57.92m		

COMMENTS NO.3 ZONE INTERSECTED, BUT VERY WEAKLY MINERALIZED

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	070	BRUNT				
79.25	-41	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	3.66	OVERBURDEN				
3.66	6.71	OZ - A VEIN	3.05	1.62	1.66	5.19
6.71	25.18	DOLOSTONE				
25.18	36.58	D(F)				
36.58	57.11	DOLOSTONE				
57.11	68.28	BxD - NO.3 VEIN	11.17	11.14	15.76	62.70

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.49	3.17	2.09	0.007	70.5%
N/A	N/A	N/A	N/A	79.3%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY *KETZA PROJECT* D.D.H. *YM88-37*

AREA

CLAIM

GRID CO-ORDS — Line / Station

SURVEY CO-ORDS — Northing / Easting

ELEVATION

STICK UP

SECTION

AZIMUTH (T)

INCLINATION

DEPTH — Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE — Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
60.61	61.40	GZ - NO.3 VEIN	0.79	0.79	1.11	61.01
68.28	79.25	PhD				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.10	0.08	2.84	<0.001	73.4%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-37 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	3.66	CASING/OVERBURDEN											
3.66	5.18	OXIDE ZONE - "A" VEIN Completely altered limonitic fault zone where bleached and brecciated dolostone is now oxidized to about 75% limonite with dark/red ? hematite along fracture faces. Dark bands 1-4 mm wide, discontinuous slightly metalic, may be visible sphalerite.	81145 3.66-5.18	4.21	4.09	3.84	431		3.66	5.18	1.52	1.42	93.4
5.18	6.71	OXIDE ZONE - "A" VEIN Less oxidized than above zone where liminite composes 20% of matrix and occurs readily as surface stain along fracture faces. Highly oxidized red/black fracture fill contain disseminated sphalerite flecks <1 mm in size. Poor recovery rock is very blocky due to intense fracturing.	81146 5.18-6.71	0.79	2.25	0.35	42		5.18	6.71	1.53	0.73	47.7
									6.71	7.62	0.91	0.35	38.5
									7.62	9.14	1.52	0.30	19.7
6.71	9.14	RUBBLY BRECCIA ZONE Recrystalized bleached dolostone where brecciation overprinted by recrystalization. Core very blocky with poor recovery. 6.71-6.91 is about 35% limonitic matrix with a steady decrease to limonite being present as dominently stain approaching 9.14 m.	81147 6.71-9.14	0.29	0.40	0.13	18		6.71	9.14	2.43	0.65	26.7
									9.14	10.67	1.53	0.92	60.1
9.14	15.0	BLEACHED RECRYSTALIZED DOLOSTONE/BRECCIATED Completely recrystalized fractured dolostone. Brecciation overprinted, so determination difficult. This has produced light grey mottled look qtz vning at 9.14 to 9.30 and 9.74 to 10.04 are brocken with highly brecciated inclusion of wallrock. Limonitic stains along fractures in qtz vns. Oxidized styolites common at high angles to c.a. crosscut by later fracturing at 35 dgrs to c.a.							10.67	12.19	1.52	0.88	56.6
									12.19	13.72	1.53	1.15	75.2
									13.72	15.24	1.52	0.85	55.9
15.0	16.12	DOLOSTONE RUBBLE Rubbly blocky dolostone, very brocken with limonitic stain; appears slightly bleached and grey mottled look.							15.24	16.46	1.22	0.65	53.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-37 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
16.12	17.98	RUBBLY LIMONITIC BRECCIATED DOLOSTONE Very rubbly broken recrystalized brecciated dolostone with oxidized limonitic matrix and limonitic stain. Blocking has made any determination difficult.	81148 16.12-17.98	0.12	0.05	0.19	38		16.12	17.98	1.86	0.63	33.9
									16.46	17.98	1.52	0.38	25.0
17.98	19.69	LIM DOLOSTONE Oxidized bleached recrystalized breccia dolostone. Faulting has rebrocken older breccia zone and has intense limonitic alteration of matrix about 35-40% along with surface staining. Galena is seen in limonitic zones at <<1% along with passable sphalerite about 2%. Brocken core makes identification difficult.	81149 17.98-19.69	0.26	0.16	0.14	52		17.98	19.69	1.71	1.02	59.7
									19.69	21.33	1.64	0.45	27.4
									21.33	22.86	1.53	1.42	92.8
19.69	22.86	MOTTLED RECRYSTALIZED LIGHT GREY DOLOSTONE Light grey relatively homogeneous mottled dolostone produced by recrystalization of a previous breccia or highly fractured rock. Thin limonitic fractures at about 55 dgrs to c.a. 1-2 mm wide. Styolites aboundant at about 40-50 dgrs to c.a., well identified by pyritic/oxidized concentrations. Trace galena present <<1% along fractures.	81150 19.69-22.86	0.08	0.18	0.03	7		19.69	22.86	3.17	1.87	59.0
22.86	24.38	GALENA ZONE Mottled recrystalized ?brecciated dolostone with darker clasts in a lighter grey/orange limonitic about 5% matrix. Homogeneous zone with major fracturing at 35 dgrs to c.a. which contain discontinuous galena stringers 1-15 mm long (1-2 mm wide) as pyrite. Limonitic styolites at 40 dgrs to c.a. show minor galena mineralization where they are crosscut by later 35 dgr fracturing. Total galena is 2-3%. Sphalerite may be present with the pyrite along the same fracture set.	81151 22.86-24.38	0.61	0.29	0.53	22		22.86	24.38	1.52	1.49	78.0
24.38	25.18	MOTTLED RECRYSTALIZED DOLOSTONE Previously brecciated rock is less apparent here where mottled look ends along a very pyritic/oxidized styolite at 25.0 m at 35 dgrs to c.a. to a more homogeneous dark grey zone. No apparent sulphides, save pyrite visible. Contact signifies end of bleached and brecciated zone.	81152 24.38-25.18	0.06	0.05	0.07	22		24.38	25.18	0.80	0.80	100
									24.38	25.91	1.53	1.40	91.5

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-37 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag os\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
25.18	29.53	FOSSILIFERIOUS DARK GREY DOLOSTONE Very homogeneous dark grey recrystalized dolostone containing abundant recrystalized amphipora ?stachyodes up to 50% of which often are found in 25 cm enriched zones. Thin limonitic fractures <1 mm at 10-15 dgrs to c.a. along with later qtz infilled fractures or vnlets (3-11 mm) wide at 55 dgrs to c.a. are dominant structures. 27.43-27.55 Gravel sized core, very poor recovery.							25.91	27.43	1.52	1.08	71.1
									27.43	28.96	1.53	1.05	68.6
									28.96	30.48	1.52	1.41	92.8
29.53	36.58	RECRYSTALIZED HOMOGENEOUS DARK GREY DOLOSTONE Recrystalized dolostone, very competent, good coring zone, very fresh with oxidation limited to very small fractures generally at 40 dgrs to c.a. Recrystalization has destroyed original textures along with overprinting fossils present. Amphipora is present throughout measured zone, but hard to distinguish. High angle qtz vnlets (5-10 mm) wide at 65-70 dgrs to c.a. and another set at 90 dgrs to c.a. (2-7mm) wide which contain disseminated pyrite.							30.48	32.00	1.52	1.36	89.5
									32.00	33.53	1.53	1.53	100
									33.53	35.05	1.52	1.27	83.6
									35.05	36.58	1.53	1.49	97.4
36.58	42.0	FRACTURED MED GREY DOLOSTONE Reappearance of intense fracturing producing a crackle to mosaic breccia, where matrix is limonitic. Dominant fractures 60 dgrs to c.a. and ofter qtz filled (<5 mm). Core becomes quite brocken with very few runs over 15 cm. Quite homogeneous zone, save 20 cm length with slightly less fracturing.							36.58	38.10	1.52	1.43	94.1
									38.10	39.62	1.52	1.39	91.4
42.0	46.47	MUDDY DOLOSTONE Interbedded light grey homogeneous muddy dolostone with darker less muddy dolostone layers (42.67-43.0 and 44.62-45.42). Often separated by poorly defined styolites at 45 dgrs to c.a. 40 dgrs to c.a. fractures are well defined yet relatively few. Muddy zones are quite well preserved in core, yet the more dolomitic layers are more broken. Upper contact lost in coring, while lower contact is preserved along a series of styolites with lower zone.							39.62	41.15	1.83	0.98	53.6
									41.15	42.67	1.52	1.31	86.2
									42.67	44.20	1.53	1.53	100

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YN88-37 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
46.47	50.29	BROKEN RUBBLY DOLOSTONE Poor coring, making determinations difficult. Rubble breccia near 10 cm interbedded muddy dolostone. Core mainly <10 cm runs. Blocky dark grey recrystalized dolostone. Carbonate vnlts and fracture fill at 30 dgrs to c.a. 3-10 mm wide. Limonite restricted to matrix in brecciated zone 48.50-48.75 m.							44.20	45.42	1.22	1.02	83.6
									45.42	46.94	1.52	1.30	85.5
									46.94	47.84	0.90	0.60	66.7
50.29	52.62	MUDDY DOLOSTONE Light grey muddy dolomitic zone, hard and relatively competent. Interbedded dark grey dolomite zone 51.15-51.35. Broken and rubbly with poor recovery over width. Muddy dolostone becomes slightly phyllitic at 52.40, sericitic and greasy feel along fresh breaks. High angle shearing at 82.5 m at 10-15 dgrs to c.a.							47.84	48.46	0.62	0.20	32.3
									48.46	9.38	0.92	0.81	88.0
									49.38	50.29	0.91	0.39	42.9
52.62	57.11	DARK GREY DOLOSTONE Blocky homogeneous dolostone, very few visible structures due to blocky nature, qtz vnlets (2-5 mm) at 50 dgrs to c.a.							50.29	51.21	0.92	0.32	34.8
									51.21	51.82	0.61	0.55	90.2
									51.82	53.34	1.52	1.19	78.3
									53.34	53.95	0.61	0.57	93.4
57.11	57.61	OXIDIZED BRECCIA ZONE Dense limonitic coated muddy dolomitic ?breccia. Zone has round (2-3) siliceous pods and round holes from the dissolving out of some clast. No visible sulphides present.	81153 57.11-57.61	0.04	0.01	0.02	38		57.11	57.61	0.50	0.48	96.0
									53.95	54.86	0.91	0.84	92.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-37 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
57.61	59.13	MOSAIC BRECCIA Very rubbly blocky core, poor recovery. Dark grey dolostone showing mosaic brecciation pattern with lightly limonitic stained carbonate matrix.							54.86	55.47	0.61	0.45	73.8
									55.47	56.08	0.61	0.43	70.5
59.13	68.28	RUBBLE BRECCIA ZONE Zone begins with a slightly limonitic fault gouge of earthy brown/grey material and med grey fragmented dolostone angular clasts. Core became very broken, where rupturing inside produces broken mass of fault rubble in core box. Matrix becomes more siliceous at 63.75 where qtz vn rubble begins to appear. Fragmented clasts become more solidified and bleached (?silicified) while matrix becomes lighter (silicified) as well with trace limonitic stain. Because of this core is slightly more competent and though has broken to complete rubble where put in core box in places. Rebrecciation occurs along narrow zones at 65 dgrs to c.a. where very fine rubble breccia crosscuts earlier coarser grained rubble breccia.	81154 60.61-61.40	0.10	0.08	2.84	11		60.61	61.40	0.79	0.58	73.4
									57.61	58.22	0.61	0.49	80.3
									59.13	60.96	1.83	0.39	21.3
									60.96	62.48	1.52	1.30	85.5
		Clay gouge zones with qtz rubble vein material within a muddy rubble brecciated altered dolostone.	81155 62.48-64.0	0.06	0.08	0.03	17		62.48	64.0	1.52	1.52	100
68.28	68.70	Breccia zone ends at 68.28 m. where the highly altered rubble breccia is in contact at 65 dgrs to c.a. with very short zone of mosaic breccia where alteration and oxidation are minimal.											
68.70	71.50	MED GREY LIGHTLY FRACTURED DOLOSTONE Homogeneous very fresh consistant coring zone with minor fracturing at 50 dgrs to c.a. with phyllitic partings along faces. Rock becomes slightly phyllitic and grades into lower zone.							64.0	65.43	1.43	1.43	100
									65.43	67.06	1.63	1.63	100

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM86-37 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
71.50	79.25	DOLOMITIC PHYLLITE Light grey/silver very homogeneous carbonate/phyllite. Upper contact is gradational with above dolomite. Foliation well defined in zones at 20 dgrs to c.a. where core breaks along exposing serecitic greasy feeling partings Where core is less phyllitic breaks occur at 60 dgrs to c.a. after across foliation. At 77.50 m core shows intense deformation where foliation are isoclinaly folded and a high angle (shear? fault) at 0-5 dgrs to c.a. foliation becomes closer to c.a. with depth ie: 76.2-79.25.							67.06	68.58	1.52	1.40	92.1
									68.58	70.10	1.52	1.50	98.7
									70.10	71.63	1.53	1.53	100
		Hole ends at 79.25 m in the phyllites.							71.63	73.15	1.52	1.27	83.6
									73.15	73.76	0.61	0.59	96.7
									73.76	75.29	1.53	1.53	100
									75.29	76.20	0.91	0.91	100
									76.20	77.27	1.07	1.07	100
		TOTAL RECOVERY:							77.72	79.26	1.54	1.54	100
									3.66	79.25	75.59	57.16	75.6

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-38

AREA	NO.3 ZONE	SECTION	0+90 N	DATE Started	08-14-88 (D)
CLAIM	VER 1	AZIMUTH (T)	070 Degrees	DATE Completed	08-16-88 (D)
GRID CO-ORDS Line		INCLINATION	-70 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	85.65m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	35656.24	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15429.85	DEPTH Overburden	4.57m	CORE RECOVERY	87.0%
ELEVATION	1918.23m	VERT. COMP.	80.61m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	28.94m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-70	070	BRUNT				
43.00	-70.5	070	ACID				
85.65	-70	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	4.57	OVERBURDEN				
4.57	10.36	D(F)				
10.36	22.01	DOLOSTONE				
22.01	28.65	OZ - "A" VEIN	6.64	0.75	0.77	25.33
28.65	61.26	Bx DOLOSTONE				
61.26	73.15	NO.3 - Bx D GZ	11.89	11.02	16.48	67.21

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
2.19	2.56	3.90	0.014	88.0%
N/A	N/A	N/A	N/A	88.1%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-38

AREA

CLAIM

GRID CO-ORDS: Line / Station

SURVEY CO-ORDS: Northing / Easting

ELEVATION

STICK UP

COMMENTS

SECTION

AZIMUTH (T)

INCLINATION

DEPTH: Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE: Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
61.26	62.31	GZ	1.05	0.97	1.45	61.79
73.15	85.65	Bx DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
1.05	1.80	2.51	0.002	100.0%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-38 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	4.57	OVERBURDEN/CASING - no block							4.57	4.87	0.30	0.10	33.3
3.66	6.40	RUBBLE DOLOSTONE Very poor coring, recovery is broken into generaly <5 cm blocks often ground slightly. Core from 4.0 to 4.20 has galena along fracture 15 dgrs to c.a., but likely to be loose surface rock or overburden so not sampled. Besides this core is dark grey recrystalized dolostone.							4.87	5.18	0.31	0.23	74.2
									5.18	5.49	0.31	0.21	67.7
									5.49	5.79	0.30	0.18	60.0
6.40	10.36	FOSSILIFEROUS DOLOSTONE Dark grey recrystalized dolostone with up to 75% recrystalized amphipora fossils. Very blocky core still, producing poor recovery. Broken faces have limonitic stain along them, but core is dominantly fresh and unaltered.							5.79	6.40	0.61	0.25	41.0
									7.92	8.84	0.92	0.39	42.4
									8.84	9.45	0.61	0.14	23.0
10.36	16.15	RECRYSTALIZED MED GREY DOLOSTONE Med grey nondescript, loocking relatively homogeneous dolostone. Numerous <<<1 mm fracture sets randomly orientated with minor limonitic surface coatings. Minor amounts of amphipora visible though almost completely masked by recrystalization. Qtz vn at 15.40 (12 mm) wide at 62 dgrs to c.a. Fracturing increases to being very intense from 16.85 to end of measured zone.							9.45	10.36	0.91	0.87	95.6
									10.36	11.89	1.53	1.34	87.6
									11.89	13.41	1.52	0.35	23.0
									13.41	14.33	0.92	0.67	72.8
									14.33	15.24	0.91	0.77	84.6
									15.24	16.76	1.52	1.37	90.1

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-38 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
16.15	20.64	HIGHLY FRACTURED/RUBBLE DOLOSTONE Core has broken along numerous fracture sets into a gravelly, altered limonitic stained fractured dolostone. Composed of clasts generally 1-3 cm in size. All textures are lost in fracturing and alteration. Core appears slightly bleached and qtz vn rubble present in scattered broken pieces.							16.76	17.83	1.07	0.89	83.2
									17.83	18.59	0.76	0.50	65.8
		Zone contains increased qtz vn rubble and completely altered limonitic gouge zone 18.70-18.85 m. No visible sulphides present.	81156 18.59-19.81	0.12	0.24	0.19	21		18.59	19.81	1.22	0.83	68.0
20.64	22.19	RECRYSTALIZED HIGHLY FRACTURED BRECCIATED DOLOSTONE Core is more competant than previous zone though composed of the same material where rupturing has not been as extensive. Light bleached look of both matrix and dolostone clasts. Oxidation has produced limonitic stain which masks determination of breccia type.							19.81	21.34	1.53	1.32	86.3
									21.34	23.01	1.67	1.67	100
			81157 21.34-22.01	0.32	0.07	1.40	39		21.34	22.01	0.67	0.67	100
22.19	23.01	OXIDE ZONE Highly oxidized limonitic muddy ? fault gouge. Gradational contact with upper zone. Fine grained disseminated galena seen in limonitic gouge at 1-2% associated with ? sphalerite smears.	81158 22.01-23.01	5.91	8.60	4.79	965		22.01	23.01	1.00	1.00	100
23.01	24.69	OXIDE ZONE Highly altered oxidized limonitic fault zone. Qt clasts and silicified dolostone are still evident in the altered rubble breccia zone. Intense limonitic gouge contain disseminated galena at 1-2% with Mn stain along fractures. Core becomes less altered from 24.30-24.69 with more evidence of silicification.	81159 23.01-24.69	3.12	3.53	2.12	471		23.01	24.69	1.68	1.40	83.3
24.69	26.21	OXIDE ZONE Recrystalized bleached ? mosaic breccia dolostone, highly fractured with qtz blebs and stringers with about 25% limonitic between 25.30 and 25.68 m. Zone is completlely altered to red/limonitic gouge with resistant qtz blebs remaining.	81160 24.69-26.21	0.68	0.45	5.70	49		24.69	26.21	1.52	1.52	100

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-38 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
26.21	27.74	OXIDE ZONE Bleached/silicified rubbly dolostone breccia with strong limonitic alteration and stain. Complete alteration to limonite. Fault gouge at 27.40 m. to 27.74. Minor Mn stain with minute <<<1 mm galena specks. Darkish brown black ? sphalerite grains.	81161 26.21-27.74	1.02	0.56	1.80	562		26.21	27.74	1.53	1.21	79.1
27.74	28.65	OXIDE ZONE Slightly bleached/limonitic brecciated dolostone with about 65% limonitic matrix and minor Mn stain. Intense limonitic gouge zone about 27.74 to 27.90. Thin deeply oxidized pyritic bands at 0-5 dgrs to c.a. No visible sulphides on core surface, but fine grain and steel galena visible along red/brown oxidised (about 1 cm) bands parallel to c.a. at about 1% where broken open.	81162 27.74-28.65	0.88	1.03	6.70	493		27.74	28.65	0.91	0.71	78.0
28.65	30.18	RECRYSTALIZED MOSAIC BRECCIA Slightly bleached crackle of mosaic breccia where clasts are light grey and matrix is generally limonitic carbonate with siliceous pods throughout. Intese limonitic zone at 28.65 to 28.80 m with no visible sulphides.	81163 28.65-30.18	0.21	0.04	2.86	49		28.65	30.18	1.53	1.40	91.5
									30.18	30.78	0.60	0.60	100
30.18	31.61	QUARTZ VEINING Barren white bull quartz vning with clasts of limonitic dolostone. Upper contact at 45 dgrs to c.a. very sharp while lower contact is not so but disseminated in to lower zone. Quartz is fractured at 45 dgrs to c.a. in 2 cm parallel fractures. Weathered pyrite vugs in qtz with no visible sulphides.	81164 30.18-31.61	0.05	<0.01	0.16	7		30.18	31.61	1.43	1.43	100
									30.78	32.31	1.53	1.53	100
31.61	32.45	OXIDE ZONE Highly altered limonitic gouge zone and silicified rubble breccia with qtz pods and vnlets. Minor Mn stain on fracture faces. Contact with 10 mm zone at about 0-10 dgrs to c.a. but not well defined.	81165 31.61-32.45	0.29	0.03	0.90	347		31.61	32.45	0.84	0.67	79.8
									32.31	33.83	1.52	1.52	100

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-38 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
32.45	33.83	QUARTZ VEINING Limonitic, highly fractured dolostone breccia clast in a white barren series of qtz vns. Very open broken breccia in which qtz was able to precipitate into. Quartz is fractured at 50 dgrs to c.a. in evenly spaced 7 mm distances. Vning dies out into lower zone in a series of pods and vnlets with no contact marked. Pyrite evident along discontinuous fractures nearly parallel to c.a. in trace amount.	81166 32.45-33.83	0.09	<0.01	1.66	34		32.45	33.83	1.38	1.38	100
33.83	35.36	SILICIFIED RUBBLE BRECCIA Excellent coring, competant rock. Dolostone appears bleached due to silicification and abundant qtz blebs and stringers. Matrix is largely composed of limonitic carbonate about 15% which increases with depth over measured zone. No dominant fracture set visible but core tends to break at about 60 dgrs to c.a.	81167 33.83-35.36	0.03	0.02	0.39	18		33.83	35.36	1.53	1.49	97.4
35.36	36.88	SILICIFIED CRACKLE BRECCIA Lightly bleached limonitic stained crackle dolostone breccia. Core becomes less oxidized with depth and darker in color where silicification is not as apparent. Qtz vnlets at 45 dgrs to c.a. tend to follow major fracture set.	81168 35.36-36.88	0.14	0.21	0.14	28		35.36	36.88	1.52	1.44	94.7
36.88	38.95	RUBBLE BRECCIA ZONE Upper contact can not be distinguished where a(36.88 to 37.0 m) qtz vn is present. Intensely brecciated dolostone clast in a limonitic gougy matrix about 35%. Core becomes completely rubbly in core box and all structures are lost. This ends zone, where major brecciation and oxidation terminate.	81169 36.88-37.95	0.32	0.15	2.55	42		36.88	37.95	1.07	1.07	100
									36.88	38.40	1.52	1.47	96.7
37.95	39.93	DARK GREY RECRYSTALIZED DOLOSTONE Recrystalized ? crackle breccia with light grey carbonate matrix and fracture filling at about 20 dgrs to c.a. Minor limonite stain along fracture faces.	81170 37.95-39.93	0.59	0.70	0.19	21		37.95	39.93	1.98	1.70	85.9
									38.40	39.93	1.53	1.30	85.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-38 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
39.93	41.45	GALENA ZONE Slightly bleached crackle breccia dolostone with slightly limonitic carbonate matrix. Qtz blebs and stringers along with vug filling (2-4 cm) present. 2-3% galena seen along discontinuous fractures as small stringers and within matrix as blebs (1-3 mm) in size. Dominant (last stages) fracturing st at about 80 dgrs to c.a. where as galena tends to follow low angle to c.a. fractures (15-25 dgrs to c.a.).	81171 39.93-41.45	0.57	1.09	0.06	8		39.9.	41.45	1.52	1.50	98.7
41.45	42.98	GALENA ZONE Zone begins with 25 cm of altered very limonitic fault breccia with disseminated galena throughout oxide. Core becomes less altered with depth, where mosaic to rubble breccia is less altered but galena is present along about 70 dgrs to c.a. discontinuous fractures (1-2% in total). Quartz infilled vugs and vnlets common from 42.50-42.98 m.	81172 41.45-42.98	1.01	0.87	0.24	48		41.45	42.98	1.53	1.53	100
42.98	43.95	GALENA ZONE Silicified light grey crackle breccia with strong surficial limonitic stain with massive pyrite bands. Dolostone is dense and has excellent core recovery possibly due to silicification. Weathered pyrite produced open vuggy look in quartz. Pyrite bands at 0-10 dgrs to c.a. have associated galena flecks with them. Galena is also present at parallel to c.a. along thin <2 mm limonitic carbonate filled fractures.	81173 42.98	0.31	0.57	0.10	101		42.98	43.95	0.97	0.95	97.9
									42.98	44.20	1.22	1.20	98.4
43.95	49.47	RECRYSTALIZED BRECCIATED DOLOSTONE Recrystalized med to dark grey dolostone which has been mosaic brecciated with intermiar and zones of rubble breccia. Minor amphipora is still evident but brecciation has mostly masked them. Core is quite fresh with minor oxidation along discontinuous bands of pyrite generally (70-85 dgrs) to c.a. Carbonate vnlets (2-10 mm) wide at (10-35 dgrs) to c.a.	81174 43.95-44.45	0.07	0.14	0.15	34		43.95	44.45	0.50	0.50	100
									44.20	44.81	0.61	0.60	98.4
			81175 47.55-48.47	0.17	0.31	0.17	74		47.55	48.47	0.92	0.89	96.7

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-38 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		Discontinuous galena stringer along limonitic fractures perpendicular to c.a. about 1-2%. Core still very fresh with alteration becoming evident at 49.15m	81176 48.47-49.47	0.25	0.45	0.09	11		48.47	49.97	1.00	1.00	100
									44.81	46.02	1.21	1.21	100
									46.02	47.55	1.53	1.42	992.8
									47.55	49.07	1.52	1.50	98.7
49.47	50.60	LIMONITIC/CLAY ALTERED DOLOSTONE BRECCIA	81177 49.47-50.60	0.13	0.04	1.07	34		49.47	50.60	1.13	1.13	100
		Alternating streaks of dark grey clay alteration with limonitic stain and altered limonitic matrix. Gradatiional increase of alteration from above zone which increases over measured length to become more intensely limonitic (oxide zone) from 50.45 to 50.60. No visible sulphides.							49.07	50.60	1.53	1.53	100
50.60	52.12	LIMONITIC/CLAY ALTERED DOLOSTONE BRECCIA	81178 50.6-52.12	0.21	0.04	0.98	54		50.6	52.12	1.52	1.45	95.4
		Limonitic alteration strong between 50.6-51.0 m where dark grey wavy clay bands are present often with red/brown oxidized halos. Alteration decreases with depth and dolostone clasts are less fractured. Dominant fractures (<1 mm) at 35 dgrs to c.a. but are not pervasive.											
52.12	53.32	LIMONITIC/CLAY ALTERED MOSAIC DOLOSTONE BRECCIA	81179 52.12-53.32	0.05	0.02	0.07	91		52.12	53.32	1.20	1.00	83.3
		Lightly bleached mossaic dolostone breccia with limonitic/carbonate matrix. Fractures perpensicular to c.a. very oxidized with pyrite still present. Fracturing at 60 dgrs to c.a. present prior to pyritic fractures.							52.12	53.64	1.52	1.32	86.8

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-38 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
53.32	61.26	LIGHT GREY RECRYSTALIZED MOSAIC BRECCIA DOLOSTONE Completely recrystalized dolomitic breccia. Clasts are slightly bleached perhaps of more muddy composition. Matrix is coarsely crystaline carbonate with minor limonitic stain. Pyritic fractures 75-85 dgrs to c.a. are discontinuous across core diameter. Core becomes more mottled at depth. Limonitic fracture faces represent majority of all alteration seen. Brecciation increases around 59.74, where light grey clasts are supported by white coarse crystalized carbonate matrix. Galena stringers appear at 61.0 m along pyritic fractures, 40 dgrs to c.a.							53.64	55.17	1.53	1.36	88.9
									55.17	56.69	1.52	1.50	98.7
									56.69	58.22	1.53	1.44	94.1
			81180 60.48-61.26	0.11	0.15	0.10	90		60.48	61.26	0.78	0.64	82.0
									58.22	59.74	1.52	1.46	96.1
									59.74	61.26	1.52	1.49	98.0
61.26	62.31	GALENA ZONE Recrystalized rubble breccia zone with limonitic carbonate matrix which hosts discontinuous blebs and stringers of galen (1-3%). Mottled look due to dark nature of dolostone clasts offset by the light colored matrix. Pyrite bands present about 0-10 dgrs to c.a. and contain disseminated galena flecks.	81181 61.26-62.31	1.05	1.80	2.51	79		61.26	62.31	1.05	1.05	100
									61.26	62.79	1.53	1.48	96.7
62.31	63.81	RECRYSTALIZED RUBBLE BRECCIA Rubble clasts of light grey dolostone and qtz pods in a limonitic carbonate matrix. Oxidation more apparent than above zone, as well qtz content has increased in the matrix. Pyrite vnlets at 63.70-63.81 at random orientation. No visible sulphides.	81182 62.31-63.81	0.10	0.14	0.33	46		62.31	63.81	1.50	1.38	92.0
									62.79	64.31	1.52	1.41	92.8
63.81	64.98	LIMONITIC RUBBLE BRECCIA ZONE Limonitic altered, highly brecciated zone, where dolostone clasts are altered to yellow brown and matrix is predominantly oxidized. Top of zone is gradational while base of zone is at 0-10 dgrs to c.a. (1-4mm) wide. Clay alteration of matrix also evident as a discontinuous dark brown fishnet look.	81183 63.81-64.98	0.61	0.48	1.00	217		63.81	64.98	1.17	1.13	96.6
									64.31	65.84	1.53	1.48	96.7
									65.84	67.36	1.52	1.38	90.8

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-38 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
64.98	73.15	DARK GREY RUBBLE BRECCIA ZONE Highly brecciated recrystalized "black" dolomite in a light carbonate matrix. Highly fractued and yet shows competancy in zones where less brecciated and reduces to complete rubble where brecciation is most intense.	81184 64.998-66.26	0.04	0.03	0.15	19		64.98	66.26	1.28	1.18	92.2
		Very oxidized matrix, where galena flecks are seen in limonite. Core is more brecciated in this zone where more porous rock allowed additional movement of fluids to pass through. Galena about 1%, no visible sphalerite.	81185 66.26-67.36	0.55	0.59	0.28	216		66.26	67.36	1.10	1.01	91.8
		At 69.60 m, core becomes less brecciated over a distance to 71.2 m. At 71.2 m core becomes again a rubble breccia which has brocken down to gravel sized rubble (1-3 cm) in core box which becomes more gougy, until at 73.0 m, breccia is almost gone to light grey fault gouge.							67.36	68.88	1.57	1.29	84.9
									68.88	70.41	1.53	1.39	90.8
									70.41	71.93	1.52	1.32	86.8
									71.93	73.15	1.22	0.72	59.0
73.15	74.98	CLAY ALTERED DOLOSTONE MOSAIC BRECCIA Medium grey dolostone, fractured with slightly limonitic/clay matrix. Alteration of matrix makes core very mushy, which can be compressed beneath pressure of a thumb. This is especially present at 74.28-74.68m, where light grey clay zone resulted from alteration of a ? more muddy dolostone an/or matrix.							73.15	74.68	1.53	1.53	100
									74.68	76.20	1.52	1.47	96.7
74.98	76.80	RUBBLE BRECCIA ZONE Highly brecciated dark grey dolostone with ligh grey clay/carbonate matrix. Dolostone clasts are quite fractured and float within the matrix which contains similar fragments <3 mm in size.							76.20	77.72	1.52	1.42	93.4
									77.72	79.40	1.68	1.24	73.8

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-38 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
76.80	85.65	LIGHT GREY MUDDY DOLOSTONE MOSAIC BRECCIA Relatively homogeneous fine light grey crystaline dolostone which displays mainly mosaic breccia with interupting zones of rubble breccia generally <35 cm wide. Rock is much finer grained than seen in and above main breccia zone which is much more coarser crystalized. Core is poorly recorded in box, as it has for the majority brocken into sharp angular pieces along fracture planes produced during brecciation. No dominant fracture orientation visible in core. Core demonstrates phyllitic textures from 76.80 where foliation is at 30 dgrs to c.a., but this is not pervasive due to brecciation. Carbonate vnlets at 35 dgrs to c.a. present, but poorly seen because of brecciation.							79.40	80.31	0.91	0.62	68.1
									80.31	81.38	1.07	0.79	73.8
									81.38	81.99	0.61	0.59	96.7
									81.99	82.91	0.92	0.92	100
									82.91	84.12	1.21	1.19	98.3
									84.12	84.43	0.31	0.31	100
									84.43	85.65	1.22	1.20	9834
		END OF HOLE 85.65 M. TOTAL RECOVERY: 08/16/88							4.57	85.65	81.08	70.54	87.01

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-39

AREA	NO.3 ZONE	SECTION	1+14 N	DATE Started	08-16-88 (N)
CLAIM	VER 1	AZIMUTH (T)	070 Degrees	DATE Completed	08-17-88 (N)
GRID CO-ORDS Line		INCLINATION	-50 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	64.62m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	35681.06	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15428.27	DEPTH Overburden	4.27m	CORE RECOVERY	87.0%
ELEVATION	1909.72m	VERT. COMP.	48.50m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	41.54m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-50	070	BRUNT				
64.62	-50	070	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	4.27	OVERBURDEN				
4.27	8.95	DOLOSTONE				
8.95	14.33	OZ - "A" VEIN	5.38	2.77	2.81	11.64
14.33	21.60	D(F)				
21.60	25.19	DYKE - ANDESITE				
25.19	33.11	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.15	0.14	0.09	0.002	76.6%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-39

AREA

CLAIM

GRID CO-ORDS: Line / Station

SURVEY CO-ORDS: Northing / Easting

ELEVATION

STICK UP

SECTION

AZIMUTH (T)

INCLINATION

DEPTH: Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE: Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
33.11	42.93	PHYLLITE				
42.93	45.63	DYKE-ANDESITE				
45.63	52.09	PhD				
52.09	61.37	BxD - NO.3	9.28	8.83	10.41	56.73
54.25	54.85	DBx	0.60	0.57	0.67	54.55
61.37	64.62	dM				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
N/A	N/A	N/A	N/A	93.3%
0.44	1.10	0.05	0.001	56.7%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-39 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	4.27	CASING/OVERBURDEN							4.27	5.49	1.22	0.50	41.0
4.27	6.20	OVERBURDEN RUBBLE							5.49	6.71	1.22	0.47	38.5
6.20	8.95	BROKEN, RUBBLY LIGHT GREY DOLOSTONE Recrystalized light to med grey broken dolostone; slightly motted looking from patches of carbonate vug ? matrix filling. Relatively fresh looking rock, minor oxidation in form of limonitic stain on fracture faces.							6.71	7.62	0.91	0.61	67.0
									7.62	8.23	0.61	0.48	78.7
									8.23	9.45	1.22	0.97	79.5
8.95	9.45	OXIDE ZONE Upper contact lost in corring, abrupt charge in rock character to a very limonitic yellow fault gouge, where pre-existing rock has been completely altered save for qtz blebs.	81186 8.95-9.45	0.12	0.14	0.28	23		8.95	9.45	0.50	0.37	74.0
9.45	11.13	OXIDE ZONE Completely altered ? fault zone where complete oxidation has produced a yellow/orange limonitic clay gouge zone. Some zones have completely gone to gouge while other zones retain a more competant less altered nature. Last 50 cm 10.63-11.13m consist of compact yellow/limonitic clay gouge. No visible sulphides	81187 9.45-11.13	0.15	0.15	0.05	70		9.45	11.13	1.68	1.51	89.9
11.13	12.80	LIMONITIC/CLAY/OXIDE ZONE Limonitic clay fault gouge, original rock slightly preserved where alteration is not as extensive as above oxide zone. Grey clay gouge 12.65-12.80 m, contain vugs from weathered sulphides.	81188 11.13-12.80	0.18	0.21	0.10	77		11.13	12.80	1.67	1.00	59.9

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-39 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
12.8	14.33	LIMONITIC/OXIDE ZONE Light yellow/orange completely altered limonitic/clay fault gouge zone. Very flaky feeling and cleaves along parallel planes about 30 dgrs to c.a. Very dense orange/limonite about 6 cm wide. (canamax type oxide) Not a true oxide zone.	81189 12.8-14.33	0.11	0.06	0.06	54		12.8	14.33	1.53	1.24	81.0
14.33	17.98	LIMONITIC/CLAY ALTERED RUBBLY DOLOSTONE Dark grey dolostone with intense limonitic stain and zones of complete alteration to limonitic clay. Broken nature of core makes any distinguishable features difficult to see. This is not a true oxide zone but alteration is still quite extensive; though zone appears to be wallrock rather than a breccia. Core becomes slightly pitted looking where ? sulphides have been weathered out, leaving holes behind in the rock. This does not look like a breccia zone, but altered wallrock. No visible sulphides.	81190 14.33-15.39 81191 15.39-16.46 81192 16.46-17.98	0.02 0.01 0.02	0.02 0.01 0.01	0.08 0.02 0.02	6 8 14		14.33 15.39 16.46	15.39 16.46 17.98	1.06 1.07 1.52	0.70 0.90 1.26	66.0 84.1 82.9
17.98	21.60	HOMOGENEOUS MED/GREY RECRYSTALIZED DOLOSTONE Completely recrystalized dolostone zone which breaks along a parallel fracture set 45 dgrs to c.a. infilled by barren white qtz vnlets (2-7)mm wide. Upper contact lost in coring and is generally rubbly to 18.50 m where core becomes more competant and completely fresh with only minor random <<<1 mm fractures. Stromatoporoids visible 19.60 m and increasing fossil content with amphipora becoming abundant to 21.60 m. Styolites at 30-40 dgrs to c.a. with (carbonaceous) accumulations along them.							17.98 18.90 20.42	18.90 20.42 21.34	0.92 1.52 0.92	0.70 1.30 0.77	76.1 85.5 83.7
21.60	23.47	ANDESITE DYKE Upper contact lost in coring. Earthy light brown/grey groundmass with small round (1-3) mm plagioclase phenocrysts and weathered pyrite holes which produces limonitic stain. Lower contact at 35 dgrs to c.a. and is well preserved. Small light green diopside crystals also present. Later fracturing as thin limonite fractures.							21.34 21.95	21.95 23.47	0.61 1.52	0.61 1.46	100 96.1
23.47	24.19	FOSSILIFEROUS DARK GREY DOLOSTONE Stromatoporoid/amphipora bearing dolostone up to 15% where stroms are up to 5 cm in size. Contact with upper dyke is sharp yet little alteration has occurred except a finer grain at dolomite recrystalization making rock look slightly denser. Qtz filled fractures at 50 dgrs to c.a. generally 3-5 mm wide.							23.47 24.99	24.99 26.21	1.52 1.22	1.48 1.10	97.4 90.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH *YM88-39* PROPERTY *KETZA*

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag os\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
24.19	25.19	ANDESITE DYKE Green/grey finegrained groundmass with plagioclase phenocryst 1-2 mm in size. Contacts at top and bottom are preserved as interfingered dolostone and dyke. Minor baked margins or hornfels about 2 cm wide while chilled margin of dyke about 10 cm wide and differs little in grain size from rest of dyke width. Later limonitic stained carbonate fracture filling at 50 dgrs to c.a.											
25.19	27.0	FOSSILIFEROUS DARK GREY DOLOSTONE Interfingered contact with upper dyke and shows minimal baking along contact. Fossils are dominantly amphipora with smaller 1-3 cm stromatoporoids or stachyodes. Coring not as good as dyke and tends to be crumbly and therefore partially ground in drilling.							26.21	27.74	1.53	1.43	93.5
									27.74	29.26	1.52	1.42	93.4
27.0	33.11	HOMOGENEOUS RECRYSTALIZED DOLOSTONE Completely recrystalized coarse gained dolostone with a characteristic light grey/med grey mottled look. Light pathes likely recrystalized fossils (?amphipora/stachyodes)) but too indistinct to determine. Fractures at 65 dgrs to c.a. along thin white carbonate filled fractures. Base of unit marked by a large styolite at 45 dgrs to c.a. with a black cabonaceous accumulation along contacts.							29.26	30.78	1.52	1.42	93.4
									30.78	32.31	1.53	1.45	94.8
									32.31	33.83	1.52	1.41	92.8
33.11	33.83	CALCAREOUS PHYLLITE Dark brown/red phyllite with well defined foliation,40 dgrs to c.a. where planes are greasy feeling and sericitic. Gradational lower contact often along styolites.							33.83	35.36	1.53	1.53	100
									35.36	36.88	1.52	1.35	88.8

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-39 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Pt ppb	RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
33.83	38.90	HOMOGENEOUS RECRYSTALIZED DOLOSTONE Recrystalized coarse grained dolostone with light grey/med grey mottled look. Fractures at about 70 dgrs to c.a. along thin <2 mm carbonate filled or barren qtz filled fractures. Discontinious dark black styolites present about 60 dgrs to c.a. Drusy qtz vn 34 mm wide at 38.40 m, 65 dgrs to c.a.							36.88	38.40	1.52	1.43	94.7
									38.40	39.93	1.53	1.39	90.8
									39.93	40.54	0.61	0.41	77.0
38.90	38.4	MUDDY PHYLLITE Upper contact gradational. Barren white qtz vn rubble in core box. Base of zone has very light grey/brown slightly dolomite muddy phyllite, when brocken open phyllitic textures evident but foliation difficult to measure.							40.54	41.76	1.22	1.15	94.3
39.4	42.93	INTERBEDDED MUDDY PHYLLITES/RECRYSTALIZED DOLOSTONE Light brown grey muddy layered at contact with upper and lower dolostone at 40 dgrs to c.a. Phyllite layers often quite limonitic with a pitted look due to weathering. Foliation indistinct at about 45-60 dgrs to c.a. Lower zone has a muddy horizon between 41.76-42.16 with light grey calcite infillings of openings. 42.16-42.93 is of dense dark recrystalized dolostone (fine grained) with disseminated pyrite nodules (about 1 mm). Last 50 cm represent the baked margin or hornfels above lower dyke zone.												
42.93	45.63	ANDESITE DYKE Light grey groundmass hosting plagioclase phenocrysts (0.5-2 mm) which are altering to clay. <<1 mm mafic grains about hornblende possibly as a result of retrograding of pyroxenes. Green epidote crystals by retrograding of diopside. Dissiminated pyrite <1mm weathers to iron staining on core surface. Lower contact quite pyritic along contact with lower muddy carbonate at about 80 dgrs to c.a. Dyke is very fine grained ?chilled margin ? and ? has cooked up 10 cm into lower unit.								41.76	43.28	1.52	1.49	98.0
			81194 43.28-44.81				18	<15	43.28	44.81	1.53	1.46	95.4
									44.81	46.33	1.52	1.48	97.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-39 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
45.63	51.16	INTERBEDDED DARK PHYLLITIC DOLOSTONE/BLACK SHALES Very dark slightly phyllitic dolostone with upper contact approaching true phyllite or baked margin below dyke. Zone becomes less phyllitic with depth and becomes a more homogeneous dolostone again at 47.60 m. Interbedded black shales ie: 48.58-48.88 and other smaller similar hroizons about 5-10 cm at 60-65 dgrs to c.a. Contacts, poorly preserved; recrystalized amphipora in dolostone horizons 15% about 47.60 m -47.85 m. also present lower down in less concentrated amounts about 5%. Lower contact silicified and relatively sharp at 80-90 dgrs to c.a.							46.33	47.85	1.52	1.47	96.7
									47.85	49.38	1.53	1.30	85.0
									49.38	50.90	1.52	1.46	96.1
51.16	52.09	RUBBLE BRECCIA ZONE LImonitic carbonate matrix containing <1 mm dolostone clasts with light grey subangular dolostone clasts 3-31 mm in size. Good coring despite zones nature to crumble under the slightest pressure. Has altered to limonitic gouge in slightly less competant areas.	81193 51.16-52.09	0.04	0.03	0.22	17		51.16	52.09	0.93	0.93	100
									50.90	52.43	1.53	1.45	94.8
52.09	52.50	CALCAREOUS PHYLLITE Light grey slightly phyllitic textured with foliation about 70 dgrs to c.a. Zone becomes more dolomitic with depth and shows increased thin random fracture sets.							52.43	53.64	1.21	1.05	86.8
52.50	52.75	ALTERED PHYLLITIC MUDDY GOUGE Thin horizon of highly altered calcareous phyllite to a light yellow grey muddy limonitic gouge. Previous foliation lost in alteration, limonite present only in trace amounts as stain. Contacts not visible.							53.64	54.25	0.61	0.56	91.8
52.75	54.85	MED GREY BROKEN/CRACKLE BRECCIA DOLOSTONE Recrystalized light to med grey, fine grained ? slightly muddy dolostone. Core is quite broken along crackle breccia fracture sets about 45 dgrs to c.a. Minor limonite stain on fracture faces, core is for the most part quite rubbly. Crackle breccia with dark oxidized muddy lenses in matrix along clasts in fracture filling. Minor <<<1% galena seen in fractures.							54.25	55.47	1.22	0.96	78.7
			81195 54.25-54.85	0.44	1.10	0.05	19		54.25	54.85	0.60	0.34	56.7

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-39 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
54.85	57.0	MED GREY CRACKLE BRECCIA Crackle breccia with dark brown/red limonitic clay matrix or fracture filling. Often broken into rubble. Most intense clay alteration at 56.40-56.70 m which is almost an oxide/clay zone. No visible sulphides.	81196 54.85-57.0	<0.01	0.02	0.11	5		54.85	57.0	2.15	1.76	81.9
									55.47	57.0	1.53	1.31	85.6
57.0	59.40	MOSAIC BRECCIA Light grey dolostone clasts with muddy limonitic carbonate matrix. Core is very rubbly and has broken into small <4 cm pieces. Rock is relatively fresh with little alteration, however muddy limonitic component increases at base of measured zone.							57.0	57.91	0.91	0.86	94.5
									57.91	58.52	0.61	0.43	70.5
									58.52	60.05	1.53	1.37	899.5
59.40	61.37	RUBBLE BRECCIA Rubble breccia angular clasts (5-25 mm) in a dirty brown/black slightly limonitic carbonate matrix. Excellent coring through breccia, with core last at end of drill runs. Top contact lost in a brocken/gouge zone. Gradatinal base into a thin dolostone horizon.	81197 59.40-61.37	<0.01	0.01	0.06	<5		59.40	61.37	1.97	1.80	91.4
									60.05	61.57	1.52	1.41	92.8
61.37	61.57	MOSAIC BRECCIA Thin layer of mosaic breccia between upper rubble breccia and lower mud zone. Muddy matrix disappears and rock becomes quite solid (non brecciated) right at 61.57 m.							61.57	63.09	1.52	1.52	100
61.57	61.70	SANDY MUD ZONE Granular/gritty medium grained clastic particles in a brown soft muddy matrix. Top and bottom contacts lost in coring.							63.09	64.62	1.53	1.42	92.8
61.70	64.62	LIGHT GREY/MUDDY DOLOSTONE Fine grained recrystalized homogeneous dolostone indicative in most holes as below the zone. Lightly fractured 55 dgrs to c.a. with light brown muddy seams in upper zone (61.70-62.0 m). Minor brecciation at 63.40 m to 63.5 m but not pervasive across zone. Very fresh unaltered rock.											
		HOLE ENDS 64.62 M 08/18/88							4.27	64.62	60.35	52.51	87%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-40

AREA	NO.3 ZONE	SECTION	1+61 N	DATE Started	08-18-88 (D)
CLAIM	VER 3	AZIMUTH (T)	058 Degrees	DATE Completed	08-19-88 (D)
GRID CO-ORDS Line		INCLINATION	-45 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	46.33m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	35714.01	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15432.50	DEPTH Overburden	4.27m	CORE RECOVERY	88.5%
ELEVATION	1902.93m	VERT. COMP.	32.76m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	32.76m		

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	058	BRUNT				
46.33	-45	058	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	4.27	OVERBURDEN				
4.27	31.09	D(F)(+)(-)Bx				
31.09	36.26	OZ - NO.3 VEIN	5.17	5.15	6.72	33.68
36.26	46.33	Bx D				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.29	0.47	0.27	0.001	88.6%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-40 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	4.27	OVERBURDEN/RUBBLE							4.27	5.48	1.21	0.73	60.3
4.27	7.96	FOSSILIFEROUS DOLOSTONE Light grey recrystalized med grained dolostone with ?stachyodes concentrated about 5.13 to 5.48 m. Below this small stroms are evident, but very indistinct due to recrystalization. Qtz vnlets at 45 dgrs to c.a. 6-15mm wide crosscut by set at 45 dgrs c.a. of thin white carbonate fracture filling.							5.48	6.71	1.23	1.17	95.1
									6.71	8.23	1.52	1.46	96.1
7.96	12.35	CRACKLE BRECCIA Light grey mottled recrystalized crackle dolostone breccia with dominant fracture sets at 45 dgrs to c.a. about 90 dgrs apart. Iron stain apparent in small zones. Often where carbonate fracture filling is limonitic/ and stains the rock around them.							8.23	9.75	1.52	1.40	92.1
									9.75	11.28	1.53	1.43	93.5
12.35	16.75	FOSSILIEREROUS DOLOSTONE LIght grey recrystalized slightly mottled (stachyodes? amphipora) dolostone. Core is relatively non fractured with minor fractures qtz filled at 60 dgrs to c.a. Limonitic/clay alteration in discontinous patches scattered throughout core length with a slight increase towards 15.60-16.35 m. Muddy component of rock which is altering.							11.28	12.80	1.52	1.52	100
									12.80	14.33	1.53	1.43	93.5
16.75	21.28	CRACKLE BRECCIA Light grey recrystalized crackle brecciated dolostone, with sparse amphipora seen across zone ie: 18.0-18.15 m. Intermitant mosaic to rubble breccia zones generally (<20 cm) wide after with limonitic carbonate matrix.							14.33	15.85	1.52	1.45	95.4
									15.85	17.37	1.52	1.48	97.4
21.28	21.68	RUBBLE BRECCIA Subangular light/grey dolostone clasts (5-37 mm) in a fine clast, limonitc carbonate matrix. Qtz vnlets about 70 dgrs to c.a.							17.37	18.90	1.53	1.01	66.0
									18.90	19.20	0.30	0.24	80.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-40 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
21.68	24.22	CRACKLE BRECCIA Recyrstalized light patchy/mottled grey dolostone with small fracture sets 45 dgrs to c.a. with minor limonite stain. Breccia zone from 7.96 m to 24.23 m is basicly comprised at alternating rubble/mosaic breccia zones in a dominantly crackle fractured zone.							19.20	19.60	0.40	0.40	100
									19.60	21.18	1.68	1.43	85.1
									21.18	21.95	0.77	0.77	100
24.23	25.60	DARK GREY DOLOSTONE Recrystalized homogeneous dolostone, very fresh with mineral alteration as oxidation. Gradational zone but core is very brocken at or near any contact.							21.95	23.50	1.55	1.53	98.7
									23.50	24.23	0.73	0.57	78.1
25.60	27.48	LIGHT GREY DOLOSTONE/CRACKLE BRECCIA Core is broken and very blocky, fractured along limonitic fracture faces at 55 dgrs to c.a., 110 dgrs between sets.							24.23	24.99	0.76	0.70	92.1
									24.99	26.37	1.38	1.04	75.4
27.48	31.66	FOSSILIFEROUS MED GREY DOLOSTONE Amphipora bearing homogeneous recrystalized slightly mottled dolostone with stromatoporoids appearing throughout zone. Styolites seen at parallel angles to c.a. and are often crosscut by later 70-75 dgrs qtz filled fractures (1-5 mm) wide very fresh rock with only trace limonite along styolite/fracture intersections.							26.37	27.28	0.91	0.85	93.4
									27.28	28.04	0.76	0.61	80.3
									28.04	29.57	1.53	1.27	83.0
									29.57	31.09	1.52	1.40	92.1
		Amphipora rich about 20%, very fresh med/dark grey dolostone, many styolites parallel to c.a. No visible sulphides or oxidation.	81198 31.09-31.66	0.01	<0.01	0.01	<5		31.09	31.66	0.57	0.57	100

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-40 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	DEPTH(metres) TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
31.66	32.61	CLAY/LIMONITIC ALTERATION ZONE Dark brown to dark black completely altered clay gouge zone with yellow limonite present when broken open. Upper contact at 45 dgrs to c.a., lower contact lost in coring.	81199 31.66-32.61	0.04	0.01	0.03	39		31.66	32.61	0.95	0.80	84.2
									31.09	32.61	1.52	1.37	90.1
32.61	39.92	DARK BLACK PHYLLITE Very black phyllite with foliation at about 75-80 dgrs to c.a. Sharp lower contact at 35 dgrs to c.a. Trace limonite stain along foliation planes.	81200 32.61-32.92	0.33	0.62	0.18	40		32.61	32.92	0.31	0.31	100
32.92	36.26	RUBBLE BRECCIA ZONE Intensely brecciated light grey dolostone where limonitic carbonate matrix has weathered to produce a light yellow brown clay rubble with more resistant breccia clasts (about <1 cm) within the rubble. Limonitic about 10% throughout zone.	81201 32.96-34.14	0.19	0.33	0.17	6		32.92	34.14	1.22	0.96	78.7
		Galena blebs and stringers in limonitic ? hematitic matrix 34.68-35.76 m, only visible sulphides in breccia zone.	81202 34.14-35.66	0.69	1.16	0.20	29		34.14	35.66	1.52	1.34	88.2
		Slightly more consolidated rubble breccia, where matrix is as altered but has not broken up as much in coring.	81203 35.66-36.26	0.13	0.11	1.34	16		35.66	36.26	0.60	0.60	100
									35.66	37.19	1.53	1.53	100
36.26	37.19	LIGHT GREY RECRYSTALIZED DOLOSTONE Very pale, fine grained recrystalized fractured dolostone. Fracture filling in quite dark brown oxidized/clay carbonate. Distinctive zone seen in hole 39 as well.Upper contact lost by an interfingered qtz vein at near perpendicular angles to upper rubble breccia, 8 cm wide with dark clay infilling of fractures c.a.											
37.19	43.58	LIGHT GREY CRACKLE BRECCIA Very fractured fine grained recrystalized dolostone (?muddy) where major fracture set 50 dgrs to c.a. (100 dgrs apart) which consists of thin <1 mm slightly oxidized carbonate fracture filling. Small (10 cm) zone of rubble brecciation at 39.80-39.90 m, but generally quite consistant over measured zone.							37.19	38.71	1.52	1.19	78.3
									38.71	40.23	1.52	1.43	94.1
									40.23	41.76	1.53	1.41	92.2

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-40 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
43.58	46.33	LIGHT GREY CRACKLE MOSAIC BRECCIA Very fractured recrystalized dolostone with a dark brown and limonitic muddy carbonate matrix, where clasts generally have long axis about 35 dgrs to c.a. Last 1.30 m are very rubbly, recovery is (1-5) cm clasts with no block in between runs. Hole ends in the fine grained (muddy) light grey recrystalized homogeneous dolostone.							41.76	43.28	1.52	1.35	88.8
									43.28	46.33	3.05	2.45	80.3
		HOLE ENDS 46.33 M 08/20/88 TOTAL RECOVERY:							4.27	46.33	42.06	37.23	
													88.5%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-41

AREA: NO.3 ZONE
CLAIM: VER 1
GRID CO-ORDS: Line / Station
SURVEY CO-ORDS: Northing 35685.24 / Easting 15386.19
ELEVATION: 1886.40m
STICK UP:
COMMENTS:

SECTION: 1+61 N
AZIMUTH (T): 058 Degrees
INCLINATION: -45 Degrees
DEPTH: Hole 89.00m / Casing / Overburden 4.57m
VERT. COMP.: 62.93m
HORIZ. COMP.: 62.93m

DATE: Started 08-19-88 (D) / Completed 08-22-88 (N)
CONTRACTOR: E. CARON DIAMOND DRILLING
LOGGED BY: R. KLETTL
CORE SIZE: HQ
CORE RECOVERY: 87.7%
CORE STORED AT: YMC CAMP CORE RACK

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	058	BRUNT				
89.00	-45	058	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	4.57	OVERBURDEN				
4.57	15.39	D(F)				
15.39	17.57	DYKE - ANDESITE				
17.57	18.75	D(F)				
18.75	18.95	GZ	0.20			
18.95	20.72	DYKE - ANDESITE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
5.51	8.00	0.01	84	65%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-41

AREA

CLAIM

GRID CO-ORDS — Line / Station

SURVEY CO-ORDS — Northing / Easting

ELEVATION

STICK UP

SECTION

AZIMUTH (T)

INCLINATION

DEPTH — Hole / Casing / Overburden

VERT. COMP.

HORIZ. COMP.

DATE — Started / Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
20.72	26.82	D(F)				
26.82	54.35	DPh				
54.35	54.85	GZ	0.50			
54.85	63.25	DOLOSTONE				
63.25	69.19	Bx D (+)(-)Ph	5.94	5.92	7.72	66.22
66.92	68.89	Bx DOLOSTONE	1.97	1.96	2.56	67.91
69.19	89.00	Bx DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.
0.73	1.13	1.76	78	100.0%
N/A	N/A	N/A	N/A	83.8%
0.01	0.01	0.08	<5	91.6%

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-41 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	4.57	OVERBUREN/CASING							4.57	5.79	1.22	1.00	82.0
4.57	7.47	DARK GREY RECRYSTALIZED DOLOSTONE Completely recrystalized med grained dolostone, slightly mottled looking with light grey carbonate bands and spheres which were likely stromatopoid and amphipora. Very fresh with minor limonite stain along fracture faces. Qtz vnlets 60 dgrs to c.a., 3-12 mm wide.							5.79	6.71	0.92	0.80	87.0
									6.71	7.47	0.76	0.53	69.7
									7.47	8.99	1.52	1.37	90.1
7.47	15.39	DARK GREY FOSSILIFEROUS DOLOSTONE Med to fine grained dark homogeneous recrystalized dolostone with lighter recrystalized dolomite amphipora about 10% up to 35% and sparse stromatoporoids. 1-5% carbonaceous material accumulation along styolites about 60 dgrs to c.a. where core tends to break along in coring. Muddy lens 13.21-13.50 m around dark argillaceous dolomitic zone just above a clay altered white 20cm andesite dyke (?). Definite argillaceous increase from 13.50 to base of zone paralleled by a decrease in fossil content.							8.99	9.60	0.61	0.29	47.5
									9.60	11.13	1.53	1.53	100
									11.13	12.80	1.67	1.54	97.2
									12.80	13.41	0.61	0.38	62.3
									13.41	14.94	1.53	1.32	86.3
									14.94	15.39	0.45	0.38	84.4
15.39	17.57	ANDESITE DYKE Light grey/white ?andesite dyke which has undergone alteration to clay where dyke shows minor phyllitic textures where indistinct foliation planes are about 35 dgrs to c.a. and display a greasy cemented feel. Core tends to break along 37 dgrs to c.a. fracture planes.Core is quite iron stained between 16.15m and 16.50m where foliation planes contain more pyrite. Top contact last in coring, bottom contact is very sharp but undulates greatly across core diameter.							15.39	16.15	0.76	0.43	56.6
									16.15	17.22	1.07	0.87	81.3
									17.22	18.75	1.53	1.35	88.2

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-41 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb	Pt ppb	RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
17.57	18.95	FOSSILIFEROUS DARY GREY DOLOSTONE Top contact with dyke is phyllitic over about 5 cm which quickly grades into a fresh muddy/carbonaceous black dolostone which contains about 5% recrystalized amphipora. Carbonate vnlets (3-7) mm crosscut at 80-90 dgrs to c.a. where larger ones contain drusy qtz as last phase of fracture filling. 18.90-18.95, oxide zone top about 30 dgrs to c.a. which contains brown/red limonite with galena blebs. Base lost in coring with close proximity of a lower dyke zone.										
			81204 17.57-18.75	<0.01	0.02	0.01	27		17.57	18.75	1.18	1.00	84.7
			81205 18.75-18.95	5.51	8.00	0.01	84		18.75	18.95	0.20	0.13	65.0
									18.75	19.51	0.76	0.62	81.6
18.95	20.72	ANDESITE DYKE Light grey/white dyke which has underwent mild alteration to clay. Dyke tends to break at 37 dgrs and 60 dgrs to c.a. along fracture planes. Rock does not display a phyllitic texture like upper dyke zone, but displays similar fine grained nature with minor matrix grains of pyrite. Lower contact interfingered with lower dolostone.	81206 18.95-19.51				7	<15	18.95	19.51	0.56	0.49	87.5
									19.51	20.42	0.91	0.87	95.6
									20.42	21.64	1.22	1.04	85.2
									21.64	22.10	0.46	0.26	56.5
20.72	26.82	DARK GREY FOSSILIFEROUS DOLOSTONE Med/coarse grained recrystalized dolostone which contains dispersed amphipora throughout measured zone. Fresh relatively compentant rock with dominant fracture orientation. Some qtz filled 85-90 dgrs to c.a. fractures (3-7) mm which are few in number and widely spaced. Styolites abundant at 60-70 dgrs to c.a., dark carbonaceous accumulation along them.							22.10	22.86	0.76	0.76	100
									22.86	23.77	0.91	0.81	89.0
									23.77	24.84	1.07	0.78	72.9

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-41 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
26.82	30.78	DARK GREY SLIGHTLY ARGILLACEOUS DOLOSTONE Very dark homogeneous competant good coring zone. Rock is extremely fresh with no alteration or oxidation. Fracturing is limited to <<1 mm white carbonate tension gashes about 15 dgrs to c.a. Discontinuous styolites at 35 to 40 dgrs to c.a. often very dark with (clay/carbonaceous) accumulations along them which crosscut tension gashes but show minimal offset. Clay component seems to increase with depth							24.84	25.76	0.92	0.88	95.7
									25.76	26.52	0.76	0.43	56.6
									26.52	26.82	0.30	0.26	86.7
									26.82	28.04	1.22	1.20	98.4
30.78	39.90	DOLOMITIC PHYLLITE Dark grey calcareous/dolomitic phyllite. Homogeneous zone with foliation planes 35 dgrs to c.a., these are relatively well defined and often are more limonitic stained. More dolomitic zone between 31.70-33.10 m, where foliation is not as pronounced. Core tends to break into elongated blocks. Is about 3-7 cm long along ?later joining places ie 36.58-37.19 m.							28.04	29.57	1.53	1.47	96.1
									29.57	30.78	1.21	1.09	90.1
									30.78	32.46	1.68	1.54	91.7
									32.46	33.68	1.22	1.02	83.6
									33.68	34.44	0.76	0.71	93.4
		Core becomes more blocky, where joining and foliation became more apparent (37 m -39 m) and mud occurs in the core as alteration of the phyllite about 38.56 m.							34.44	35.36	0.92	0.70	76.1
									35.36	36.58	1.22	1.15	94.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-41 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
39.90	41.45	DARK GREY DOLOSTONE Blocky coring where core breakes into <5 cm length with fracture faces 60 to c.a. in opposing directions, with thin limonitic stains and smears.							36.58	37.19	0.61	0.61	100.0
									37.19	38.56	1.37	1.16	84.7
									38.56	39.62	1.06	0.67	63.2
									39.62	40.23	0.61	0.57	93.4
									40.23	41.0	0.77	0.52	67.5
									41.0	41.45	0.45	0.32	71.1
41.45	42.63	OXIDIZED BRECCIA ZONE (Slightly phyllitic) Dolomitic rubble mosaic breccia zone where strong limonitic alteration on random fracture sets produces a bright orange look to core. Breccia matrix very weathered with yellow brown gouge between remnant breccia clasts (aprox <1 cm). This zone is not a true oxide zone, no visible sulphides.	81207 41.45-42.63	0.08	0.03	0.03	23		41.45	42.63	1.18	1.03	87.3
42.63	42.93	OXIDE ZONE Oxidized fault gouge zone with very strong orange/yellow limonite about 75%. Brown/red pyrite seen in weathered pits surrounded by limonite. Frothy look to lower 5 cm from weathering of clasts and matrix.	81208 42.63-42.93	0.23	0.08	0.16	154		42.63	42.93	0.30	0.27	90.0
									41.45	43.13	1.68	1.48	88.1
42.93	43.63	LIGHT GREY CRACKLE BRECCIA Light grey slightly bleached crackle dolostone breccia which becomes less broken with depth. Top of zone is slightly altered to clay where base is a true dolostone. Breaking during coring lost any evident structures present.	81209 42.93-43.63	<0.01	0.01	0.04	<5		42.93	43.63	0.70	0.36	51.4
									43.13	44.35	1.22	0.99	81.1

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-41 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
43.63	46.01	MED GREY SLIGHTLY PHYLLITIC DOLOSTONE Homogeneous dolostone where seems a minor trend to being phyllitic and poorly expressed foliation textures about 35 dgrs to c.a. Core is quite broken and is very fresh with a minor lightly oxidized zone 45.5-45.7m. Core tends to break along parallel fracture sets 50 dgrs to c.a. Drillers had very difficult time drilling this rock, very hard and dense (46.0m->).							44.35	45.26	0.91	0.75	82.4
									45.26	46.33	1.07	0.88	82.2
46.0	54.35	DOLOMITIC PHYLLITE Very dense dark grey homogneous phyllitic dolostone, very hard to drill up to about 48.0 m. Core is broken in parallel sets at 50 dgrs to c.a. overprint foliation at 35 dgrs to c.a. which becomes increasingly defined with depth.							46.33	47.85	1.52	1.52	100
									47.85	49.38	1.53	1.53	100
		Trace galena along limonitic fractures 60 dgrs to c.a., <<<1% of sample. Core tend to break at perpendicular angle to ca. from 50.90-53.95m where qtz filled fractures 80-90 dgrs to c.a. (5-15mm) wide are present as well.	81210 49.38-50.90	0.49	0.51	0.45	9		49.38	50.90	1.52	1.52	100
									50.90	52.43	1.53	1.53	100
									52.43	53.95	1.52	1.45	95.4
		Grey phyllite above galena zone where thin limonitic carbonate fracture filling apparent at 80-85 dgrs to c.a.	81211 53.95-54.35	0.01	0.01	0.03	<5		53.95	54.35	0.40	0.38	95.0
54.35	54.85	GALENA ZONE Galena zone where an oxidized 5 cm zone contains desiminated galena blebs. Fractures at 85 dgrs to c.a. contain galena, stringers 1-2m wide generally infilled by carbonate, below oxidized zone veinlets are larger (3-7mm), but are not mineralized.	81212 54.35-54.85	0.73	1.13	1.76	78		54.35	54.85	0.50	0.50	100
									53.97	55.47	1.52	1.50	98.7

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-41 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
54.85	59.0	DOLOMITIC PHYLLITE Med to light grey homogeneous dolomitic phyllite with wavy banded foliation planes 5-10 dgrs to c.a. at about 55.75 m. Lower zone seems to be more broken with increased fracturing at 45 dgrs to c.a. Good coring but recovery lost in zones where phyllite has broken down into altered slightly clayey zones which are complete rubble in corebox. This is especially characteristic between 58.52-59.0 m, where the transition from the softer phyllite to more competant rock at 55.0 m takes place.	81213 54.85-55.47	0.07	0.17	0.17	5		54.85	55.47	0.62	0.62	100
									55.47	57.0	1.53	1.45	94.8
									57.0	58.52	1.52	1.42	93.4
									58.52	58.83	0.31	0.21	67.7
59.0	63.25	BROKEN DARK GREY DOLOSTONE Fine to med glained recrystalized homogeneous dark grey dolostone which is substantially broken although fracturing is not extensive, save for an evident phase 45 dgrs to c.a. which was last and most pervasive. Rock is very fresh with no visible signs of alteration.							58.53	60.05	1.22	1.01	82.8
									60.05	61.57	1.52	1.46	96.1
63.25	66.92	CRACKLE BRECCIATED SLIGHTLY PHYLLITIC DOLOSTONE Transition zone between overlying fractured dolostone, where now rock is broken in a higher degree along numerous fracure sets and true rubble brecciation <5 cm wide can be seen. As a result core is almost completely rubble in box.From 66.45 to 66.82 zone is silicified and quite competant though still quite fractured. Sharp contact with lower zone at 45 dgrs to c.a.							61.57	62.48	0.91	0.75	82.4
									62.48	63.25	0.77	0.73	94.8
									63.25	64.01	0.76	0.56	73.7
									64.01	65.07	1.06	0.95	89.6
									65.07	65.84	0.77	0.50	64.9
									65.84	66.45	0.61	0.61	100
									66.45	67.67	1.22	0.96	78.7

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-41 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
66.92	68.89	RUBBLE BRECCIA ZONE Textbook rubble breccia zone with light grey dolostone subrounded (5-15) mm clasts sitting in a <2 mm ground dolostone and slightly limonitic clay altered carbonate matrix. Matrix is very soft and responds to hcl, and though very white/light grey colored is not silicified. No real hydrothermal alteration seen or any sulphides visible.	81214 66.92-68.89	<0.01	0.01	0.08	<5		66.92	68.89	1.97	1.75	88.8
									67.67	69.19	1.52	1.40	92.1
68.89	69.19	SILICIFIED MOSAIC BRECCIA Mosaic breccia composed of light grey dolostone clasts with long axis in 30 dgrs to c.a. direction with siliceous matrix and minor halos around clasts of slightly limonitic carbonate. Very broken looking and will fall apart if moved slightly.							69.19	70.71	1.52	1.35	88.8
									70.71	71.78	1.07	0.93	87.0
									71.78	72.54	0.76	0.50	65.8
									72.54	73.15	0.61	0.61	100
69.19	70.71	LIGHT GREY DOLOSTONE Characteristic light grey fine grained recrystalized homogeneous dolostone seen below the breccia zone in most holes in #3 drill core. Rock breaks along dark brown/red oxidized fractures at 45 dgrs to c.a., but for the most part is very fresh with no visible alteration. Competant, good coring rock.							73.15	72.39	0.76	0.15	19.7
									72.39	74.83	2.44	1.30	53.3
70.71	77.42	LIGHT GREY CRACKLE BRECCIATED DOLOSTONE Very homogneous light grey fine grained recrystalized dolostone which breaks along numerous fracture planes to produce rubbly core. Minor limonite along breaks in more brecciated zones where carbonate matrix is more limonitic.							74.83	75.13	0.30	0.15	50.0
									75.13	75.90	0.77	0.65	84.4
									75.90	76.81	0.91	0.91	100.0
									76.81	77.42	0.61	0.47	77.0
77.42	77.52	QUARTZ VEIN Barren white bull quartz vein with contact at 90 dgrs to c.a.							77.42	78.79	1.37	1.22	89.1

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-41 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
77.52	77.64	RUBBLE BRECCIA ZONE 12 cm zone of intensely rubble brecciated dolostone with upper and lower contacts preserved 70 dgrs to c.a.							78.79	79.10	0.31	0.27	87.1
									79.10	80.16	1.06	1.00	94.3
77.64	78.14	MOSAIC BRECCIA ZONE Mosaic to rubbly breccia of light grey fine grained dolostone with qtz carbonate matrix and fracture filling. Sharp upper contacts and poorly defined interfingered lower contact.							80.16	81.69	1.53	1.50	98.0
									51.69	82.91	1.22	1.07	87.7
78.14	83.21	DARK GREY MOSAIC DOLOSTONE BRECCIA Fine grained recrystalized dolostone which has undergone mosaic brecciation/fracturing with intermittent zones of more intensely brecciated rock generally <10 wide. Post brecciation fractues are 40-50 dgrs to c.a. Matrix often dominantly white carbonate with qtz as final infilling phase.							82.91	84.43	1.52	1.47	96.7
									84.43	85.95	1.52	1.26	82.9
									85.95	87.48	1.53	1.53	100
83.21	89.00	MED GREY CRACKLE/FRACTURED BRECCIATED DOLOSTONE Homogneous zone of fine grained dolostone lightly breccciated or fractured with <<1 mm white carbonate infilled sets about 35 dgrs to c.a. Competant fresh rock, no alteration visible, save small isolated <5 cm zones where a more argillaceous horizon has altered to a brown white carbonate clay ie (87.10-87.15 m). Hole ends in a 15 cm barren white interfingered qtz vn later brocken by a 35-45 dgrs to c.a. fracturing episode.							87.48	89.0	1.52	1.33	87.5
		HOLE ENDS 89.00 M. 08/23/88 TOTAL RECOVERY:							4.57	89.0	84.43	74.06	
													87.7%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-42

AREA	NO.2 ZONE (PORTAL AREA)	SECTION	3+30 N	DATE Started	08-23-88 (D)
CLAIM	HV 98	AZIMUTH (T)	238 Degrees	DATE Completed	08-24-88 (N)
GRID CO-ORDS Line		INCLINATION	-60 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	61.11m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	35743.82	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15161.65	DEPTH Overburden	2.74m	CORE RECOVERY	94.8%
ELEVATION	1747.53m	VERT. COMP.	51.76m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	32.36m		

COMMENTS DRILLED TO TEST FOR NO.2 ZONE WEST OF PORTAL - NO INTERSECTION

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-60	238	BRUNT				
61.11	-56	238	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	2.74	OVERBURDEN				
2.74	21.15	DOLOSTONE				
21.15	27.0	PHYLLITIC D				
27.0	27.58	FAULT Bx				
27.58	37.11	PHYLLITIC D				
37.11	45.50	DOLOMITIC Ph				
45.50	61.11	PHYLILITIC D				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-42 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	2.74	OVERBURDEN/CASING 35 cm altered clay zone which may be a overburden clay horizon.											
2.74	3.09	SANDY/CLAY HORIZON Dark brown/red fine to very fine grained sand with clay alteration of host rock which is a light grey fine grained cherty looking fractured dolostone. No visible sulphides or limonite.	81215 2.74-3.09	0.03	0.03	0.03	<5		2.74	3.66	0.92	0.92	100
									3.66	5.18	1.52	1.46	96.1
									5.18	6.71	1.53	1.50	98.0
3.09	14.04	MED GREY HOMOGNEOUS DOLOSTONE Medium grained recrystalized homogeneous dolostone, good coring and quite competant rock. Recrystalization produces a slight mottled rock composed of small white/light grey patches. Rock is very fresh with no signs of alteration. Fracturing is limited to small <1 mm discontinious carbonate filled sets 25 dgrs to c.a. From 10.0 m to 13.0 m, numerous carbonate vnlets 1-2 mm are seen in random orientations, suggestive of greater tectonic stress than above core. Basicly a nondescript zone. Styolitic contact at 25 dgrs to c.a. with lower zone.							6.71	8.23	1.52	1.50	998.7
									8.23	9.75	1.52	1.52	100
									9.75	11.28	1.53	1.53	100
									11.28	11.89	0.61	0.57	93.4
									11.89	12.80	0.91	0.91	100
									12.80	13.41	0.61	0.40	65.6
									13.41	14.94	1.53	1.53	100

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-42 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
14.04	21.15	DARK GREY DOLOSTONE Dark grey medium grained recrystalized competant, homogeneous dolostone. Core is very fresh, no alteration visible with only minor scattered discontinious fractures of random orientation. At 18.4 m core is altered to a clayey mud where a more argillaceous horizon was present about 40 cm wide. From here to end of zone core is a little less homogeneous and shows more argillic alteration yet retains a competant structure, fracturing at 15-20 dgrs to c.a. evident but relatively limited.							14.94	15.85	0.91	0.88	96.7
									15.85	17.31	1.46	1.46	100.0
									17.31	18.44	1.13	0.99	87.6
									18.44	19.81	1.37	1.20	87.6
21.15	37.11	PHYLLITIC DOLOSTONE Dark to medium grey very homogeneous zone of slightly phyllitic dolostone with indistinct foliation planes after signified by white carbonate banding at 15-20 dgrs to c.a. Foliation and carbonate bands are folded or undulating often (5mm-10mm) in crest to trough. Later fracturing set 60-70 dgrs to c.a. crosscut foliation planes and core often breaks along these but crumbles along foliation.							19.81	21.34	1.53	1.53	100
									21.34	22.56	1.22	1.07	87.7
									22.56	23.77	1.21	0.98	81.0
		25.0-27.0 m, core appears more dolomitic, but fesh breakage planes show distinctive undulation foliation at 10-15 dgrs to c.a.							23.77	25.0	1.23	1.17	95.1
									25.0	26.52	1.52	1.43	94.1
									26.52	27.58	1.06	0.94	88.7
		27.0-27.58 rubble fault breccia with light grey dolostone clasts in a darker carbonate matrix.							27.58	28.04	0.46	0.33	71.7
									28.04	28.65	0.61	0.42	68.9

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-42 PROPERTY KETZA

DEPTH (metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		27.0-31,5 m shows an increase in white carbonate banding along foliation planes which are often isoclinaly folded in <1.5 cm folds. These are often crosscut by qtz/carbonate fracture filling in about 3-5 mm vnlets about 20 dgrs to c.a. Angle between foliaiton and vnlets about 140 dgrs.							28.65	29.87	1.22	1.09	89.3
									29.87	31.09	1.22	1.22	100.0
									31.09	32.61	1.52	1.52	100.0
		31.5 m - 37.11 m, very dark homogeneous nondescript zone where white carbonate banding is completely void, though indistinct foliation still visible 10-15 dgrs to c.a. More defined sharp fractures crosscut at 43 dgrs to c.a. Along these fractures angillic alteration is evident but quite restricted.							32.61	34.14	1.53	1.47	96.1
									34.14	35.66	1.52	1.52	100.0
									35.66	37.19	1.53	1.45	94.8
									37.19	38.40	1.21	1.13	93.4
37.11	45.50	DOLOMITIC PHYLLITE							38.40	39.93	1.53	1.43	93.5
		Dark to medium grey phyllite with regular spaced foliation planes (<2 mm) apart at about 10-20 dgrs to c.a. folded nature of foliation about 42.75 m makes an angle change from one area to another. Rock composition is very homogeneous over measured zone, but becomes more broken where foliation is close to c.a. ie 0-5 dgrs foliation is more perpendicular to c.a .Core is less broken and more competant ie 45.0-45.6 m. Qtz present in pinch and swell structures along foliation, over zone and shows crosscutting fractures at 55-60 dgrs to c.a. 40.75 -41.15 m consists of rubble fault breccia, very broken and almost gone to a fault gouge. Lower contact sharp at 85 dgrs to c.a.							39.93	40.84	0.91	0.91	100.0
									40.84	42.06	1.22	0.85	69.7
									42.06	43.28	1.22	1.15	94.3

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-42 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
45.50	57.73	PHYLLICTIC DOLOSTONE Very dark grey dense homogeneous moderately phyllitic dolostone which shows exstreme wavy undulatory, but relatively indistinct foliation planes on surface. When broken, pyllitic textures are more evident and foliation parts along 10-15 dgrs planes. Laminiation or foliation planes become higher angle to c.a. about 65-90 dgrs between 45.50 and 46.60 m, but resume to 10-15 dgrs for rest of measured zone. Zone shows a marked increase in completancy compared to rock prior to about 49.0 m where zone is less phyllitic. Fractures at 55 dgrs to c.a. exposed as crenulating surfaces due to the junction of foliation planes with fracture plane about 53.0 m. Foliation seems to have dispersed into discontinuous undulatery poorly defined planes. Rock is more dolomitic then previous 52.0 m core and does not display crenulated surfaces on fracture planes 60 dgrs to c.a.								43.28	44.04	0.76	0.72	94.7
									44.04	45.72	1.68	1.52	90.5
									45.72	46.94	1.22	1.22	100.0
									46.94	48.46	1.52	1.52	100.0
									48.46	49.38	0.92	0.92	100.0
									49.38	50.90	1.52	1.52	100.0
									50.90	52.43	1.53	1.48	96.7
									52.43	53.95	1.52	1.52	100.0
									53.95	55.47	1.52	1.41	92.8
									55.47	57.0	1.53	1.53	100
57.73	61.11	DARK GREY SLIGHTLY PHYLLITIC DOLOSTONE Zone is less competent than above and has returned to rubbly broken core in box. Phyllitic textures are only slightly apparent on broken surfaces yet indistinct foliation seen at about 50-55 dgrs to c.a. is nearly parallel to later fractring at 60 dgrs to c.a. The close proximity of the two allows core to break apart with greater ease than above zones.								57.0	58.23	1.23	1.21	98.4
									58.23	59.44	1.21	1.15	95.0

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-42 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	RUN TO	RUN (m)	RECOV (m)	RECOV (%)
		From 14.04 m to 61.11 m, is basically five zones with minor fluctuations over each measured zone as mentioned. Though phyllitic core is quite competent and cores well. No sign of minerlization or hydrothermal activity seen. Core is fresh and relatively unaltered throughout with minor folding and two small rubble breccia zones.							60.66	61.11	0.45	0.45	100.0
		END OF HOLE 61.11 M TOTAL RECOVERY:							2.74	61.11	58.37	55.31	
		08/25/88											94.8%
		MAJOR LITHULOGICAL BREAKS											
		a) Homogeneous dolostone 0 - 14.04.											
		b) Dolostone/phyllitic dolostone 14.04-37.11. Fault breccia at 27.0-27.58.											
		c) Dolomitic phyllite 37.11-45.50 m. Fault breccia 40.75 m - 41.15 m.											
		d) Phyllitic dolostone 45.30-46.60 m. Foliation/limonitic become high angle to c.a.											
		e) Phyllitic dolostone 46.6 m.-57.73 m.											
		f) Dark grey/slightly phyllitic dolostone 37.73-61.11.											

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-43

AREA	NO.3 ZONE (PORTAL AREA)	SECTION	3+30 N	DATE Started	08-25-88 (D)
CLAIM	HV 98	AZIMUTH (T)	058 Degrees	DATE Completed	08-26-88 (N)
GRID CO-ORDS Line		INCLINATION	-50 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	66.90m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	35743.25	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	15160.70	DEPTH Overburden	3.66m	CORE RECOVERY	96.3%
ELEVATION	1747.38m	VERT. COMP.	51.25m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	43.00m		

COMMENTS Intersected No. 2 zone, which apparently truncates No. 3 zone fault structure.

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-50	058	BRUNT				
61.57	-50	058	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
0.00	3.66	OVERBURDEN				
3.66	21.65	Bx DOLOSTONE				
21.65	51.53	DOLOSTONE				
51.53	53.55	D Bx(+)(-)PY				
53.55	62.33	Bx DOLOSTONE				
62.33	66.90	DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-43 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	3.66	OVERBURDEN/CASING							3.66	5.18	1.52	1.52	100
3.66	21.65	RECRYSTALIZED ?CRACKLE BRECCIA DOLOSTONE Light grey fine grained completely recrystalized homogeneous competant excellent coring zone. Zone appears to have been slightly brecciated where small discontinuous zones of more mosaic breccia within the crackle breccia have been almost completely overprinted by recrystalization. This produces alternating patchy light/grey appearance. A later phase of fracturing has seen the appearance of numerous <1 mm carbonate filled fracture sets often showing no specific orientations some of which are slightly dark brown with either oxidation or a clay component to the carbonate fracture filling. Most dominant set is at 60 dgrs to c.a. Some have carbonate vnlets along them (2-7 mm) wide. Carbonate filled tension gashes (ie: 8.0m) are generally <3 cm long and often contain dolostone clasts within them. These are discontinuous and relatively few in number and are at about 75-90 dgrs to c.a. Original zones of more intense brecciation show larger white/light grey to medium grey color after recrystalizaion ie: 12.8-15.8 m, but now are only slightly fractured. (?brocken stromatoporoids). Core tends to break along more defined fracture at 60 dgrs to c.a. about 16-18 m. From 18 m to 21.65 m core is very light grey in color and fine grained and though completely recrystalized shows previous signs of crackle brecciation, though now only slightly fractured.							5.18	6.71	1.53	1.49	97.4
									6.71	8.23	1.52	1.52	100.0
									8.23	9.75	1.52	1.49	98.0
									9.75	11.28	1.53	1.53	100.0
									11.28	12.80	1.52	1.48	97.4
									12.80	14.33	1.53	1.53	100.0
									14.33	15.85	1.52	1.52	100.0
									15.85	17.37	1.52	1.52	100.0
									17.37	18.90	1.53	1.40	91.5
									18.90	20.42	1.52	1.52	100.0
									20.42	21.95	1.53	1.47	96.1

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-43 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
21.65	23.27	SPOTTED RECRYSTALIZED DOLOSTONE Dark grey medium grained dolostone with numerous white irregular shaped (<5 mm) white recrystalized carbonate spots which may be recrystalized fossils, but look like filling between mosaic breccia clasts, with recrystalization overprints.							21.95	23.47	1.52	1.52	100.0
									23.47	24.99	1.52	1.40	92.1
23.27	27.74	MEDIUM GREY DOLOSTONE Homogeneous medium grained recrystalized dolostone. Very fresh competant rock with minor 5-10 cm disruptions of recrystalized mosaic breccia ie: 26.42-26.52 m. Relatively few fractures with dominant set being equivalent to where core breaks at about 45 dgrs to c.a.							24.99	26.52	1.53	1.48	96.7
									26.52	27.74	1.22	0.94	77.0
									27.74	28.96	1.22	0.92	75.4
27.74	43.28	LIGHT GREY FRACTURED DOLOSTONE Fractured/? crackle breccia, light grey fine grained recrystalized dolostone. Fracture filling is dominantly white carbonate of random orienations with the latest set being slightly oxidized at about 50 dgrs to c.a. Very fresh competant rock, no sight of alteration or oxidation.							28.96	30.48	1.52	1.49	98.0
									30.48	32.00	1.52	1.52	100.0
		Reappearance of white carbonate spots, though unlike above at 21.65-23.27 m, these are infilling of small vugs/pressure solution cavities formed along fracture planes parallel or? of dissolved out fossil fragments.							32.00	33.53	1.53	1.33	100.0
		Core appears cherty, but is not silicified and reacts when scratched with hcl.											
		Carbonate white spots ? infilled fossil fragments about 34.75 appear in small indistinct horizons.							33.53	35.05	1.52	1.52	100
									35.05	36.58	1.53	1.44	94.1
		36 m (.5-1 mm) pyrite styolite at 45 dgrs to c.a. basicly follows slight compositional changes in suspected bedding about 40 dgrs to c.a.							36.58	37.19	0.61	0.60	98.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-43 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		38.5-41.76m, core becomes increasingly fractured with numerous pperpendicular to c.a. white carbonate fracture filling crosscut by later 40 dgrs to c.a. fractures where core tends to break along and crosscuts thin styolites generally of low angle to c.a. (<30 dgrs).							37.19	38.71	1.52	1.52	100.0
									38.71	40.23	1.52	1.45	95.4
		41.76-43.28 m, return to basicly non fractured dark grey dolostone with minor carbonate vnlets about 30 dgrs to c.a. (3-7) wide.							40.23	41.76	1.53	1.48	96.7
43.28	46.33	LIGHT GREY FRACTURED DOLOSTONE Recrystalized crackle breccia which is characteristicaly lighter in color than above zone. Rubbly fault zone between 44.50-45.10 m produced a rubble zone in the core box where dolostone clasts sit in a carboante fault gouge matrix. Lower contact preserved at 20 dgrs to c.a. Remainder of measured zone shows extensive minor random <1 mm fractures which tend to decrease approaching 46.33 metres.							41.76	43.28	1.52	1.43	94.1
									43.28	44.81	1.53	1.53	100.0
									44.81	46.33	1.52	1.44	94.7
46.33	51.53	MED GREY SLIGHTLY SPOTTED FRACTURED DOLOSTONE Recrystalized homogeneous fine grained dolostone which shows small irregular white ? recrystalized fossil fragments and numerous <<1 mm fracture sets of random orientation. Base of zone could be classified as a true crackle breccia (50.9-51.53 m).							46.33	47.85	1.52	1.52	100.0
									47.85	49.38	1.53	1.50	98.0
									49.38	50.90	1.52	1.50	98.7
									50.90	52.43	1.53	1.47	96.1
51.53	52.43	CRACKLE BRECCIA ZONE Light grey brecciated fine grained dolostone. Top 4 cm of zone (51.53-51.57) is a small rubble breccia zone 45 dgrs to c.a., but shows a progressive degree of fracturing from top to bottom.	81216 51.53-52.43	<0.01	<0.01	<0.01	<5		51.53	52.43	0.90	0.80	88.9
									52.43	53.95	1.52	1.52	100

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-43 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
52.43	53.55	PYRITIC MOSAIC BRECCIA ZONE Medium and light grey clasts generally quite fractured and subangular in a white carbonate matrix. Stylolites generally 65-85 dgrs to c.a. contain abundant pyrite about 5-10% of sample along the irregular about 1 mm widths and also found in pressure solution cavities along styolites which seem to be latest structure present. Gradational contacts with both upper and lower zones.	81217 52.43-53.53	<0.01	<0.01	<0.01	170		52.43	53.53	1.10	1.05	95.5
									53.95	55.47	1.52	1.41	92.8
53.55	59.65	CRACKLE BRECCIA ZONE Medium grey fractured/crackle breccia, fine grained dolostone with numerous <<1 mm white carbonate fracture fillings of random orientations. A later fracture set evident 60 dgrs to c.a. Carbonate filled tension gashes (1-2 cm) long appear at 58.0 m where core appears less fractured and more brecciated.	81218 53.53-53.93	<0.01	<0.01	<0.01	<5		53.53	53.93	0.40	0.40	100
									55.47	57.0	1.53	1.53	100
									57.0	58.52	1.52	1.52	100
59.65	62.33	FAULT ZONE Zone begins in a rubble breccia zone about 50-60 dgrs to c.a. where core has broken into an indistinguishable rubble where clast are (<1 cm) in size (59.65-60.15 m). 60.15-61.43 m lies broken mosaic dolostone breccia which retains form in box, hence more competant. 61.43-62.33 signifies end of fault zone, where rubbly brecciation grades into a highly fractured dolostone. FAULT ZONE 51.53 <-------> 62.33 m "10.8 m" non mineralized.							58.52	60.05	1.53	1.53	100
									60.05	62.33	2.28	2.17	95.2
62.33	66.90	MED/LIGHT GREY HIGHLY FRACTURED DOLOSTONE Completely recrystalized fine grained dolostone. Zone is very ruptured where breaking in coring has occured along numerous fracture sets. At about 65.38 m core is complete rubble but from fracturing rather than brecciation. This is continuous to end of hole.							62.33	63.86	1.53	1.34	87.6
									63.86	65.38	1.52	1.41	92.8
									65.38	66.90	1.52	1.48	97.4
		END OF HOLE 66.90 M 08/27/88	TOTAL RECOVERY:						3.66	66.90	63.24	60.9	96.3%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-44

AREA	PT ZONE	SECTION	0+00 NW	DATE Started	08-27-88 (D)
CLAIM	HV 104	AZIMUTH (T)	058 Degrees	DATE Completed	08-28-88 (D)
GRID CO-ORDS Line		INCLINATION	-45 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	53.95m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	36524.13	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	14773.88	DEPTH Overburden	3.20m	CORE RECOVERY	92.0%
ELEVATION	1922.63m	VERT. COMP.	38.15m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	38.15m		

COMMENTS "WILD CAT" HOLE DRILLED TO TEST FOR VEIN MINERALIZATION BELOW FLOAT TRAIN SOUTH OF GROUNDHOG - PT ZONE

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-45	058	Brun				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MNP
0.00	3.20	OVERBURDEN				
3.20	7.62	DOLOSTONE Bx				
7.62	8.62	GOUGE/CLAY				
8.62	29.51	DOLOSTONE Bx				
29.51	30.94	FAULT Bx				
30.94	37.94	(+)(-)s dOLOSTONES				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-44

AREA

CLAIM

GRID CO-ORDS: Line; Station

SURVEY CO-ORDS: Northing; Easting

ELEVATION

STICK UP

SECTION

AZIMUTH (T)

INCLINATION

DEPTH: Hole; Casing; Overburden

VERT. COMP.

HORIZ. COMP.

DATE: Started; Completed

CONTRACTOR

LOGGED BY

CORE SIZE

CORE RECOVERY

CORE STORED AT

COMMENTS

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	HMP
37.94	43.53	D(F)				
43.53	53.95	DOLOSTONE(+)(-)Ph				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-44 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	3.20	OVERBURDEN/CASING							3.20	4.42	1.22	1.00	82.0
3.20	7.62	WEATHERED MOSAIC DOLOSTONE BRECCIA Medium grey fine grained dolostone clasts with a highly fractured nature in a limonitic carbonate matrix. Weathering/alteration produced a muddy/clay component from matrix. 5.85-6.60 m display qtz pods and stringers with more defined vnlets at 75 dgrs to c.a. 6.60-7.62 m displays more fractured/carbonate discontinuous vnlets, less weathering but an increase in brecciation evident.							4.42	6.10	1.68	1.32	78.6
									6.10	7.62	1.52	1.27	83.6
7.62	8.62	CLAY ALTERATION ZONE Dark brown muddy clay alteration of preexisting ?dolostone fault zone. Dark Minor limonite, no apparent sulphides. Top and bottom contacts lost in coring.	81219 7.62-8.62	0.16	0.02	0.05	37		7.62	8.62	1.00	0.85	85.0
									7.62	9.14	1.52	1.25	82.2
8.62	11.70	MEDIUM GREY CRACKLE BRECCIA ZONE Numerous <<<1 mm fracture sets often limonitic with later fractures about 1 mm at 45 dgrs to c.a. crosscutting them all. Slightly more limontic at 10.53 m, with qtz vn rubble in core box.							9.14	10.36	1.22	1.10	90.2
			81220 10.53-11.70	0.08	0.02	0.06	22		10.53	11.70	1.17	1.03	88.0
									10.36	11.43	1.07	1.00	93.5
11.70	14.02	LIMONITIC ALTERATION ZONE Not a true oxide zone, where limonite is a more superficial stain on a silicified looking mosaic breccia comprises about 30% of sample.	81221 11.70-12.50	0.06	0.06	0.08	15		11.70	12.50	0.80	0.45	56.3
		Limonite decreases from 12.50 through to 14.02 m where unaltered host dolostone is more apparent, comprising about 75% of sample. Last 6 cm of zone is a highly altered brown/red gouge possibly a small rubble breccia zone completely altered to gouge whos contacts were lost in coring.	81222 12.50-14.02	0.08	0.03	0.06	34		12.50	14.02	1.52	1.31	86.2
									11.43	12.50	1.07	0.94	87.9

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-44 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
14.02	15.15	CLAY ALTERED BRECCIA ZONE Dark black altered dolostone which squishes beneath pressure of thumb. No limonite seen, remanants of qtz pods and carbonate vnlets still retained in core with the gougy/clay alteration. Lower contact very sharp and defined at 50 dgrs to c.a.	81223 14.02-15.15	0.40	0.02	0.02	159		14.02	15.15	1.13	0.96	85.0
									14.02	15.70	1.68	1.46	86.9
15.15	15.45	OXIDE ZONE Sharp upper contact at 50 dgrs to c.a. Yellow/orange intesely altered dolostone breccia with limonite about 75%. Gradational lower contact with no visible sulphides.	81224 15.15-15.45	0.22	0.02	0.05	49		15.15	15.45	0.30	0.30	100
									15.70	17.22	1.52	1.52	100
15.45	19.81	SILICIFIED MOSAIC BRECCIA Very silicified brecciated dolostone where qtz has precipitated into openings and appears as blebs and stringers along with more concentrated vein type structures. Zone is very broken due to numerous fracture sets but cores very well. Slightly limonitic carbonate fracture filling is also evident and increases towards end of zone, with a marked decrease in silicification. Latest fracturing at 40 dgrs to c.a. crosscuts all other features. Very minor <3% limonite and no visible sulphides.	81225 15.45-17.22	0.02	0.01	0.05	<5		15.45	17.22	1.77	1.77	100
			81226 17.22-18.23	0.02	0.01	0.09	<5		17.22	18.23	1.01	0.91	90.1
			81227 18.23-19.81	0.01	0.01	0.06	<5		18.23	19.81	1.58	1.50	994.9
19.81	26.06	DIRTY MOSAIC/RUBBLE BRECCIA ZONE Recrystalized dolostone breccia which shows light grey dolostone clasts supported by a very dark (argillaceous?) carbonate matrix. Despite broken/fractured appearance of core, it is quite competant and cores very well. Small <5 cm zones of rubble breccia with limonitic matrix occur at 90 dgrs to c.a. which appear to be thin zones of rebrecciation. Overall zone is quite homogeneous and difficult to describe. No sulphides present across measured length.	81228 19.81-21.41	0.06	0.03	0.04	28		19.81	21.41	1.60	1.60	100
			81229 21.41-22.86	0.01	0.01	0.04	<5		21.41	22.86	1.45	1.45	100
			81230 22.85-24.54	<0.01	<0.01	0.03	<5		22.86	24.54	1.68	1.64	97.6
			81231 24.54-26.06	<0.01	<0.01	0.04	<5		24.54	26.06	1.52	1.52	100

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-44 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
26.06	29.51	RECRYSTALIZED (MOSAIC/RUBBLE) BRECCIA ZONE Recrystalized mosaic breccia with light grey dolostone (fractured) clasts in a dirty (argillaceous) carbonate matrix with rebrecciated rubble zone charcterized by small subrounded dolostone clasts in a limonitic carbonate matrix often at 90 dgrs to c.a. contacts ie 27.74-28.54 m. Last 10 cm gradational contact with lower zone shows increased rubble breccia content and more limonitic matrix.	81232 26.06-27.74	<0.01	0.01	0.04	<5		26.06	27.74	1.68	1.60	95.2
			81233 27.74-29.51	<0.01	0.01	0.05	<5		27.74	29.51	1.77	1.77	100.0
29.51	30.94	RUBBLE BRECCIA FAULT ZONE Completely altered brown clay fault gouge supporting <5 mm light grey dolostone breccia clasts.Intense breccia zone, generally lacking limonite or visible sulphides. Base of zone indicates end of fault zone and grades into lower zone.	81234 29.51-30.94	0.05	0.03	0.04	10		29.51	30.94	1.43	1.33	93.0
									27.74	29.26	1.52	1.52	100.0
									29.26	30.94	1.68	1.60	95.2
30.94	33.53	MED GREY DOLOSTONE Recrystalized med grey, medium grained dolostone with light/white carbonate bands generally about 35 dgrs to c.a. Stylolites with black Mn/argillaceous accumulations along them. Carbonate seems sandy with <<<1 m granular nature. 32.0-32.46 core shows phyllitic texture with foliation 30 dgrs to c.a. or ? clay partings 30 dgrs to c.a. Latest fracturing event 35 dgrs to c.a. Argillic alteration/clay rich horizon 33.20 m alomst completely altered to dark argillaceous gouge.							30.94	32.46	1.52	1.47	96.7
									32.46	33.53	1.07	0.91	85.0
									33.53	34.14	0.61	0.61	100.0
33.53	33.65	SANDY MUD ZONE Completely weathered mud/sand horizon in the sandy carbonate below.							34.14	35.66	1.52	1.40	92.1
									35.66	37.19	1.53	1.45	94.8
33.65	37.94	SANDY ZEBROIC BANDED DOLOSTONE Light grey to pinkish white bleached recrystalized carbonate with styolitic bordered, banded fine grained sandy pale brown lenses and layers at about 25 dgrs to c.a. Though stylolites often trend nearly perpend.to c.a. they often contain black ? carbonaceous or argillaceous/pyritic accumulations along contacts. Where more pyrite, red iron stain from oxidation is visible (often in sandy layers). Dark black laminations <1 cm tend to weather out and are visibly more argillaceous than the rest of the zone. Last event is fracturing at 35 dgrs c.a.							37.19	38.71	1.52	1.40	92.1

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-44 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		High angle (slickenslides fault) at 10 dgrs to c.a. at 35 dgrs to c.a. Base of zone marked by a large black styolite at 55 dgrs to c.a.							38.71	40.23	1.52	1.52	100.0
37.94	43.53	FOSSILIFEROUS, SLIGHTLY SANDY DOLOSTONE							40.23	41.76	1.53	1.43	93.5
		Up to 50% amphipora horizons generally narrow and indistinct due to overprinting by recrystalization 38.51-38.60 m and 42.0-42.30 m. Medium grey dolostone with sporadic more sandy lenses styolite bounded (37.94-39.0 m) generally 35-45 dgrs to c.a. Sandy bands give way to patchy bands of light carbonate with light grey bands about 40-60 dgrs to c.a. These are very irregular and discontinuous and often contain distributed minor concentrations of recrystalized amphipora. Fracturing present as last fracture, which crosscut other structures at 30 dgrs to c.a. and often are slightly limonitic and oxidzed to produce a reddish stain on adjacent wallrock.							41.76	43.28	1.52	1.52	100.0
									43.28	43.89	0.61	0.57	93.4
45.53	44.14	DARK PHYLLITE							43.89	45.42	1.53	1.38	90.2
		Dark grey to black qtz mica (sericite) phyllite with concentrated sericite along foliation planes poorly defined at 10-15 dgrs to c.a. Sharp lower contact at 25 dgrs to c.a.							45.42	46.33	0.91	0.79	86.8
44.14	49.38	MOTTLED RECRYSTALIZED DOLOSTONE											
		Coarsely crystaline recrystalized dolostone producing a mottled light/grey patchy look. Fracture filling has altered to ? illite clay, (very white) with pink/red iron staining of wall rock along the larger fracture sets. Styolites are abundant generally at 60-85 dgrs to c.a. Core is often brocken along them displaying concentrations of black argillaceous material and small flecks of sericite. Oxidation of pyrite along styolites produce pods of re/brown limonite, these are very spotty and by no means continuous. From 47.85-49.38 m core appears a little more bleached/homogeneous with a less mottled appearance,and has an increase in oxidized hairline fractures.											
									46.33	47.85	1.52	1.22	80.3
									47.85	49.38	1.53	1.46	95.4

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-44 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
49.38	53.95	MOTTLED LIGHT/MED/DARK, GREY PATCHY DOLOSTONE Though somewhat similar to above zone, core displays a more spotted appearance, with alternating shades of dolostone produced by the coarsely crystaline nature of recrystlization. This may be due to complete replacement of ? fossil fragments and amphipora stems which are now almost impossible to distinguish. Stylolites present but not abundant at high angles to c.a. slickensides along fault face at 53.60 m at 41 dgrs to c.a. Major fracture set at 35 dgrs to c.a. Core is very fresh with no signs of alteration or brecciation.							49.38	50.90	1.52	1.32	86.8
									50.90	52.43	1.53	1.43	93.5
									52.43	53.95	1.52	1.31	86.2
		END OF HOLE 53.95 M 08/29/88							3.20	53.95	50.75	46.70	
		FAULT ZONE 8.62 <----> 30.94											92.0%

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL RECORD

PROPERTY KETZA PROJECT **D.D.H.** YM88-45

AREA	PT ZONE	SECTION	0+00 NW	DATE Started	08-28-88 (N)
CLAIM	HV 104	AZIMUTH (T)	058 Degrees	DATE Completed	08-29-88 (N)
GRID CO-ORDS Line		INCLINATION	-80 Degrees	CONTRACTOR	E. CARON DIAMOND DRILLING
GRID CO-ORDS Station		DEPTH Hole	49.07m	LOGGED BY	R. KLETTL
SURVEY CO-ORDS Northing	36523.38	DEPTH Casing		CORE SIZE	HQ
SURVEY CO-ORDS Easting	14772.70	DEPTH Overburden	2.44m	CORE RECOVERY	85.5%
ELEVATION	1922.52m	VERT. COMP.	48.16m	CORE STORED AT	YMC CAMP CORE RACK
STICK UP		HORIZ. COMP.	9.36m		

COMMENTS "WILD CAT" HOLE DRILLED TO TEST FOR VEIN MINERALIZATION BELOW FLOAT TRAIN SOUTH OF GROUNDHOG - PT ZONE

SURVEY DATA

DEPTH	INCL.	AZ (T)	TYPE	DEPTH	INCL.	AZ (T)	TYPE
0.00	-80	058	BRUNT				
49.07	-78	058	ACID				

GEOLOGY

FROM	TO	UNIT	INT.	T.W.	H.W.	MMP
0.00	2.44	OVERBURDEN				
2.44	12.75	DOLOSTONE Bx				
12.75	28.04	PHYLLITE				
28.04	29.57	PYRITE ZONE				
29.57	32.00	Ph DOLOSTONE				
32.00	46.18	DOLOSTONE				
46.18	49.07	Ph DOLOSTONE				

SIGNIFICANT ASSAY AVERAGES

Ag oz/ton	Pb %	Zn %	Au ppb	Recov.

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-45 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
0	2.44	OVERBURDEN/CASING							2.44	3.66	1.22	1.01	82.8
2.44	7.32	WEATHERED/DIRTY MOSAIC DOLOSTONE BRECCIA Medium grey fractured dolostone subrounded clasts generally <1 cm in a dirty slightly limonitic carbonate matrix which appears to have altered to a dirty clay in sporadic locations across measured zone producing a dirty overall look. Discontinuous quartz pods and parallel stringers also evident.							3.66	5.18	1.52	1.38	90.8
									5.18	6.70	1.52	1.20	78.9
									6.70	7.92	1.22	0.93	76.2
7.32	7.67	LIMONITIC/CLAY ALTERATION ZONE Dark brown slightly limonitic, clay alteration fault gouge zone. Bottom contact poorly preserved at about (?85 dgrs to c.a.).	81235 7.32-7.67	0.03	0.01	0.04	9		7.32	7.67	0.35	0.25	71.4
									7.92	9.45	1.53	1.18	77.1
7.67	12.75	MED GREY CRACLE BRECCIA ZONE Fractured medium grey dolostone subangular mosaic breccia clasts, supported by numerous slightly limonitic carbonate fracture filling with intermittant <5 cm zones of rubble breccia. Slickensides on fault face 27 dgrs to c.a. at 9.45 m between 12.0-12.50 m, core becomes a rubble breccia, with rounded dolostone qtz clasts about (1-3) mm in size. Likely are brecciation of older mosaic breccia, yet retains competancy when cored. Latest fracture event at 40-45 dgrs to c.a., though not well defined.							9.45	10.97	1.57	1.19	78.3
									10.97	12.50	1.53	1.48	96.7
									12.50	13.41	0.91	0.78	85.7
12.75	14.26	LIGHT BROWN PHYLLITE Light brown/pale yellow calcareous phyllite, where some zones have become altered to a more argillaceous brown red gouge.	81236 12.75-14.26	0.09	0.04	0.01	22		12.75	14.26	1.51	1.28	84.8
14.26	14.61	LIGHT GREY PHYLLITE Very pale, light grey phyllite with foliation 32 dgrs to c.a. Upper contact at 55 dgrs to c.a. and lower contact at 55 dgrs to c.a.							13.41	14.94	1.53	1.46	95.4
14.61	15.10	QUARTZ VEINING Medium grey fractured dolostone hosting a large qtz vein which was poorly preserved in coring with upper contact at 20 degr to c.a. and lower contact preserved at 25 degr to c.a. Qtz is very white and barren of any sulphides.							14.94	16.02	1.08	0.80	74.1
									16.02	16.74	0.72	0.72	100

YUKON MINERALS - PERREX JOINT VENTURE

DIAMOND DRILL LOG

DDH YM88-45 PROPERTY KETZA

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
15.10	16.30	DARK GREY ARGILLACEOUS DOLOSTONE Very dark dense dolostone with numerous white recrystalized ? amphipora and fossil fragments, and fracture filling. Argillaceous horizons have altered to dark crumbled gouge ie: 15.70 m. Lower contact sharp at 55 dgrs to c.a.											
16.30	16.74	LIGHT BROWN/REDDISH PHYLLITE Pale brown to lightly pink phyllite which separate easily along 35 dgrs to c.a. foliation planes. Much of measured zone is now flakey rubble in core box							16.74	17.53	0.79	0.52	65.8
16.74	17.53	RUBBLE BRECCIA FAULT ZONE Rubble dolostone breccia where most clasts are smaller than 2 mm in a dark brown sandy/clay gouge zone with trace 1% limonite present. Fault zone bounded top and bottom within measured zone with indeterminable contacts.							17.53	18.29	0.76	0.72	94.7
17.53	21.35	BLACK CALCAREOUS PHYLLITE Dark grey to light black calcareous phyllite, with very pronounced foliaiton at 45 dgrs to c.a. Nonhomogeneous zone where fluctuations in degree of visible phyllitic textures alter appearance and competancy of rock. Upper and lower contacts are gradational with more competant med grey dolostone. Variations in competency produce poor core recovery is more phyllitic horizons.							18.29	18.90	0.61	0.50	82.0
									18.90	19.81	0.91	0.66	72.5
									14.81	20.88	1.07	0.44	41.1
21.35	24.99	SLIGHTLY PHYLLITIC MED GREY DOLOSTONE Nonhomogeneous zone which displays variations in the degree of phyllitic textures from quite phyllitic (24.80-24.95) to dense dolostone with only trace planes of foliation (24.59-24.99 m). This is suggestive of variations in horizons where some contain more argillaceous material than others. Core seems to be lost at contacts between different horizons. Overall foliation is at 45 dgrs to c.a., and within more competant dolostone horizons about 50-60 dgrs to c.a. Fracturing and vning are negligable over measured zone.							20.88	21.95	1.07	0.65	60.7
									21.95	23.01	1.06	0.92	86.8
									23.01	24.23	1.22	1.05	86.1
									24.23	24.99	0.66	0.66	100.0

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-45 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
24.99	29.40	DARK GREY CALCAREOUS PHYLLITE Relatively strongly phyllitic textured with well defined foliation at 55 dgrs to c.a. Foliation planes often limonitic. Fracturing at 20 dgrs to c.a. crosscut foliation.							24.99	26.52	1.53	0.52	34.0
									26.52	28.04	1.52	1.50	98.7
		Qtz stringer (2-3) mm wide contain minor galena <<1% in discontinuous blebs, which parallel last fracturing event about 20 dgrs to c.a.	81237 27.29-28.04	0.17	0.12	3.87	9		27.29	28.04	0.75	0.62	82.7
		PYRITE ZONE Discontinuous fine grained pyrite lensoid masses parallel to foliation planes about 50% generally concentrated between 28.77-29.57 m at 55 dgrs to c.a. Little oxidation, but appearance of limonite along brocken foliation planes. End of zone signifies transition between a true phyllite and lower slightly phyllitic dolostone.	81238 28.04-29.57	0.17	0.03	0.04	15		28.04	29.57	1.53	1.38	90.2
									29.57	31.09	1.52	1.40	92.1
									31.09	32.61	1.52	1.52	100
29.40	32.0	MED GREY SLIGHTLY PHYLLITE DOLOSTONE Transitional zone between overlying phyllite and lower homogeneous dolostone. Minor foliation or clay partings evident at about 50 dgrs to c.a., with greasy phyllitic textures evident along later fracture planes 40-45 dgrs to c.a. Minor carbonate filled fractures <1 mm wide. Generally quite fresh rock and good coring.											
32.0	46.18	MEDIUM GREY HOMOGENEOUS DOLOSTONE Very homogeneous medium/fine grained recrysalized dolostone. Good coring zone, where recovery lost in zones of fracturing and in thin argillaceous horizons which appear as more phyllitic zones. Example (37.40-37.55 m) and (44.05-44.20 m). These zones are quite altered and have gone to light grey/brown clay. Foliation still evident at 55 dgrs to c.a. Entire zone is very fresh with no signs of hydrothermal alteration or oxidation. Fracturing is slight, with minor <1 mm carbonate filled fractures at (0-10 dgrs) and (60-65 dgrs) to c.a. A more dominant fracture set is (5-10 dgrs) to c.a. and often (3-7) mm wide and are alternatively infilled by qtz or carbonate.							32.61	34.14	1.53	1.37	89.5
									34.14	35.66	1.52	1.45	95.4
									35.66	37.19	1.53	1.43	93.5
									37.19	38.70	1.51	1.37	90.7
									38.70	39.93	1.23	1.11	90.2

YUKON MINERALS - PERREX JOINT VENTURE

DDH YM88-45 PROPERTY KETZA

DIAMOND DRILL LOG

DEPTH(metres) FROM	TO	DESCRIPTION	SAMPLE No. INTERVAL	Ag oz\ton	Pb %	Zn %	Au ppb		RUN FROM	TO	RUN (m)	RECOV (m)	RECOV (%)
		The most dominant structure is a parallel fracure set 60 dgrs to c.a. where core tends to break along.							39.93	41.45	1.52	1.49	98.0
		Core seems to become lighter in color with depth and of a fine grained texture.							41.45	42.98	1.53	1.48	96.7
46.18	49.07	MED GREY SLIGHTLY PHYLLITIC DOLOSTONE							42.98	44.50	1.52	1.52	100.0
		Homogeneous fine grained recrystalized dolostone relatively barren of fracturing or oxidation. Zone shows a reappearance of foliation or clay partings at 35-40 dgrs to c.a. One dominant vnlet set of qtz and carbonate at 30 dgrs to c.a. Hole ends in this rock type, void of any alteration, oxidation or brecciation.							44.50	46.18	1.68	1.49	88.7
									46.18	47.70	1.52	1.44	94.7
		HOLE ENDS AT 49.07 M. TOTAL RECOVERY: 08/30/88							2.44	49.07	46.63	39.88	
		END OF DRILL PROGRAM SUMMER 88											85.5%
		08/30/88											

ASSAY CERTIFICATES

for

1988 EXPLORATION PROGRAM

KETZA PROJECT

YUKON MINERALS - PERREX RESOURCES JOINT VENTURE

(Jeff, Hi Grade, HV, Hogg, Caribou, Ben, and Ver Claims)

Latitude 61°37' N Longitude 132°52' W

NTS 105 F-10/11

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

CANADA

for

YUKON MINERALS CORPORATION AND PERREX RESOURCES INC.

to accompany reports by

B.P. FOWLER, P.Geol. *31 December 1988*

P. RAMAEKERS, PhD. *30 November 1988*

BONDAR-CLEGG

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
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(604) 985-0681 Telex 04-352667

PROCEDURE FOR FIRE ASSAY SILVER

1) One assay ton (29.16 grams) of homogeneous pulp is weighed into a fireclay crucible and fluxed appropriately with litharge, borax, soda ash and silica.

2) No inquart is added, only flour or niter to control button size.

3) Fusion takes place in a furnace of about 1900 degrees F. The same procedure is used for fusing gold.

4) A standard for silver is run with each silver fusion.

5) All buttons are made up to the same weight with silver-free lead foil.

6) Controlled temperatures and a watchful cupeller ensure minimal silver losses in cupellation.

7) Corrections are applied to final results based on checks and standards.

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PROCEDURE FOR ASSAY Cu, Pb, Zn, AND Ag BY ATOMIC ABSORPTION ANALYSIS

The samples of 0.5 gms and 0.25 gms for duplicates are weighed and digested in glass beakers with concentrated nitric and hydrochloric acids. These beakers are heated on the hot plate until the solution becomes completely dry. Redissolve the samples with dilute hydrochloric acid. The sample is then transferred and bulked into 200 ml flasks. The solution is measured by Atomic Absorption using the appropriate lamp amd wavelength for each element. The absorbance is recorded and compared to a standard series to determine the amount of the element that is present. Similar procedure for assay Ag by Atomic Absortion except the sample weight is 3 gms and hydrofluric acid is also added for the digestion. Back ground correction is introduced in anaylyzing Ag on A.A. to overcome the matrix problem.

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PROCEDURE FOR S.G.

Approximately 30 to 40 gms of sample ground to 10 mesh are carefully introduced into 200 ml wide neck flasks containing about 60 mls of distilled water. The weight is recorded. The flask is filled to the mark with water at the same temperature and weighed. The specific gravity may then be calculated from the following formula:

$$\frac{a-c}{d-b}$$

a) represents the weight of the sample and water.
b) flask weight filled with water to the mark.
c) flask weight filled partially with water.
d) flask weight containing the sample also filled to the mark with water.

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Procedure for Geochemical Gold Analysis:

A prepared sample of 10 to 30 grams is mixed with a flux which is composed mainly of lead oxide. The proportions of the flux components are adjusted depending on the nature of the sample. Silver is added to help collect the gold. The samples are fused at 1950 F until a clear melt is obtained. The lead button which also contains the precious metals is then separated from the slag. Heating in the cupellation furnace separates the lead from the noble metals. The precious metal beads that remain are transferred to test tubes and dissolved with aqua-regia. The solution is analyzed using Atomic Absorption or a Plasma Emission Spectrograph by comparing the readings of these solutions with readings of standard solutions.

Contamination Prevention

The test tubes and cupels are used only once so that there is no possibility of cross contamination. The fusion crucibles are cleared before re-use by discarding any which had high samples in them. During the analysis a blank solution is run between each sample to ensure that there is no carry-over.

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Procedure for Gold, Platinum and Palladium Analysis

A prepared sample of 15 grams is transferred to a fire assay fusion crucible and mixed with a flux composed mostly of lead oxide. The proportions of the components are adjusted depending on the nature of the sample eg. extra borax and silica are added for samples with chromite. Silver is added to help collect the platinum and palladium. The samples are fused at 1050 C for about 40 minutes until a clear melt is obtained. The lead button which also contains the precious metals is then separated from the slag. The noble metals are then separated from the other metals by heating in the cupellation furnace on bone ash cupels. The precious metal beads that are obtained are then transferred to test tubes and aqua-regia is used to dissolve the gold, platinum and palladium. The resultant solution is diluted with a buffer solution and mixed. This solution is analyzed by the DC Plasma or by atomic absorption by comparing the readings from these solutions with readings from standard solutions prepared with the same matrix.

Contamination Prevention

The test tubes and cupels are used only once so that there is no possibility of cross contamination. The fusion crucibles are cleared before reuse and if high samples were previously run the crucibles are discarded. During the analysis a blank solution is run between each sample to ensure that there is no carry-over.

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Determination of Elements by Atomic Absorption Analysis

The samples of 0.5 grams in weight are digested in test tubes with concentrated nitric and hydrochloric acids. These tubes are heated in hot water baths for two and one-half hours. The sample is then diluted and mixed. This solution is analyzed by atomic absorption using the appropriate lamp and wavelength for each element. The absorbance is recorded and compared to a standard series to determine the amount of the element that is present. This procedure is used for the analysis of silver, copper, lead, zinc, molybdenum, bismuth, cadmium, chromium, cobalt, iron, manganese, nickel, and vanadium. Some elements such as silver and lead have background correction applied to overcome matrix problems.

Contamination Prevention

The test tubes are used for atomic absorption analysis only. The test tubes are cleaned between uses with soap and deionized water rinses. If the sample results are high, the test tubes are discarded.

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Determination of Elements by Plasma Emission Spectroscopy

Lefort Aqua-regia Digestion

The samples of 0.5 grams in weight are digested in test tubes with concentrated nitric and hydrochloric acids. These tubes are heated in hot water baths for two and one-half hours. The sample is then diluted and mixed. This solution is analyzed on the Plasma Emission Spectrograph by using the appropriate emission line for each element. The emissions are compared to standard solutions to determine the amount of each element that is present.

Multi-acid Digestion

A sample weight of 0.5 grams is transferred to a teflon test tube. It is then treated with a mixture of hydrofluoric, nitric and perchloric acids. The sample and acid mixture is heated in an aluminum block until the volume is reduced and there are strong perchloric fumes. The residue is dissolved with hydrochloric acid and the solution is then diluted to 20 ml. with demineralized water and mixed. These solutions are analyzed on the Plasma Emission Spectrograph using the appropriate emission line for each element. The emissions are compared to standard solutions to determine the amount of each element that is present. These are run within one hour of digestion in order to minimize precipitation problems.

Contamination Prevention

The test tubes are used for DC Plasma analysis only and are discarded after use. A solution of de-ionized water or dilute acid is run between samples to prevent contamination during analysis.

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Whole Rock Analysis - Plasma Spectroscopy

The sample is mixed with a borate flux and fused in order to break down the entire sample. The resulting bead is then dissolved with nitric acid and diluted. This solution is analyzed on the Plasma Emission Spectrograph by comparing the emissions to those of standards with a similar matrix. Duplicate samples and a wide range of standards are routinely weighed and carried through the entire procedure. As a further control all major elements are totalled and a re-analysis is done if this total is not acceptable.

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Analysis by Wavelength Dispersive XRF

Elements Determined:
Se, Th, U, V, Ga, In, Ta, Cr, Br

Prepared samples are pressed into pellets using a 5 ton press. These samples are then put into trays and loaded into the wavelength dispersive X-ray unit. The samples are bombarded by electrons from a radioactive source for a period of up to five minutes and the intensities of the X-rays that are emitted are determined. The amount of each element is determined by comparison with the X-rays of standard materials. Corrections are made for inter-element interferences.

Document Separator

Start	Stop
X	

Levels

	1	2	3	4	5	6	7	8
Binder								
Folder								
Staple								
Paper Clip								
Binder Clip								
Plastic Protector								
Elastic Bands	X							
TABS	X							
OTHER_____								

Special Instructions:

Diamond drill program

D. A

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-03273.0

PROJECT: KETZA PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag PPM	Pb PCT	Zn PCT	
D2 81501		<0.000	1.4	0.03	0.05	YM88-1
D2 81503		<0.000	1.0	0.03	0.01	
D2 81504		<0.000	16.0	0.95	0.01	
D2 81505		<0.000	1.6	0.03	0.03	
D2 81506		<0.000	1.2	0.01	0.05	
D2 81507		<0.000	1.6	0.01	0.01	YM88-2
D2 81508		<0.000	0.6	0.00	0.00	
D2 81509		<0.000	0.4	0.00	0.00	

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals

Proj.: KETZA

REPORT NO. W88-3273

DATE May 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag	% Pb	% Zn							
ym88-1	81502	2.38	2.88	0.02							

BONDAR-CLEGG & COMPANY LTD.

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Certificate of Analysis

REPORT: V88-03273.4

PROJECT: KEIZA PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 81502		<0.002

YM 89-1

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North Vancouver, B.C.
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Geochemical Lab Report

REPORT: V88-03290.0 | PROJECT: KETSA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	
D2 81510		0.4	45	122	
D2 81511		0.6	29	740	
D2 81512		0.6	32	112	
D2 81513		1.0	74	2400	
D2 81514		0.8	234	520	
D2 81515		1.8	229	1040	
D2 81516		3.5	197	3600	
D2 81517		1.5	198	460	Ym88-2
D2 81518		4.0	773	2800	
D2 81519		0.9	188	480	
D2 81520		1.7	377	650	
D2 81521		2.1	350	6000	
D2 81522		0.7	170	660	
D2 81523		0.2	13	56	Ym88-3
D2 81524		2.1	344	80	

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Geochemical Lab Report

REPORT: V88-03945.0

PROJECT: KETZA

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Pb PPM	Zn PPM	
D2 81525		<5	0.5	16	26	YMBB-4
D2 81526		12	2.0	1852	20	
D2 81527		<5	0.2	41	24	
D2 81528		<5	1.8	35	110	
D2 81529		<5	<0.1	11	10	YMBB-5
D2 81530		<5	2.5	75	52	
D2 81531		<5	9.2	1220	260	
D2 81532		<5	1.9	207	320	
D2 81533		<5	2.1	121	170	
D2 81534		<5	6.2	180	248	
D2 81535		<5	10.0	874	480	
D2 81536		<5	1.0	83	420	
D2 81537		<5	2.3	179	344	

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Certificate of Analysis

REPORT: V88-03954.4 | PROJECT: KF17A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SG	
P4 81538		<0.002		→ YM 88-5
P4 81539		<0.002		
P4 81541		0.003		
P4 81542		0.002		
P4 81543		0.002		
P4 81544		0.009		YM 88-6
P4 81545		0.002		
P4 81546		0.003		
P4 81547		0.008	2.9	
P4 81548		0.002		
P4 81559		0.002		→ PN Highgrade

Registered Assayer, Province of Ontario

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETSA

REPORT NO. W88-3954

DATE June 9, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag	% Pb	% Zn
IM88-5	81538	0.01	0.01	L0.01
	81539	L0.01	0.02	0.07
	81541	0.54	0.83	0.39
	81542	0.24	0.23	0.72
	81543	0.52	0.52	6.30
	81544	0.55	0.51	8.50
	81545	0.40	0.51	10.58
	81546	0.38	0.63	3.08
	81547	0.80	2.04	2.84
	81548	0.13	0.29	1.67
	81559	138.	71.8	0.24

No. 3
IM88-6
Cl'd Ant
June 17/88

BONDAR-CLEGG & COMPANY LTD.

CERTIFICATE OF ANALYSIS

TO YUKON MINERALS

REPORT NO. W88-3954

DATE

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

	MARKED	oz/ton Ag											
YM 88-5	81538	0.01											
	81539	L 0.01											
	81540	NOT RECEIVED											
	81541	0.54											
	81542	0.24											
YM 88-6	81543	0.52											
	81544	0.55											
	81545	0.40											
	81546	0.38											
	81547	0.80											
	81548	0.13											
	81559	138.											

Pb and Zn results to follow from Whitehorse.
Au results to follow from Vancouver.

REMARKS:

BONDAR CLEGG & COMPANY LTD.

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3959 Pg. 2

DATE June 11, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag
81569	0.11
81570	1.11
81571	2.30
81572	18.6
81573	0.38
81574	2.04
81575	3.66
81576	0.25
81577	0.19
81578	0.45
81579	1.08
81580	0.41
81581	0.04
81582	0.05
81583	0.14
81584	0.15
81585	0.23
81586	0.18
81587	0.11
81591	124.

No. 3
YM88-7
(Cont'd.

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETSA

REPORT NO. W88-3959

DATE June 11, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag
YM88-6 →	81540	2.69
	81549	0.12
	81550	0.27
	81551	0.73
	81552	0.10
	81553	0.32
	81554	0.07
	81555	6.18
	81556	0.59
	81557	0.24
YM88-6	81558	0.38
	81560	0.05
	81561	0.10
	81562	0.11
	81563	0.07
	81564	1.31
	81565	0.24
	81566	1.01
YM88-7	81567	0.07
	81568	0.05

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Geochemical Lab Report

REPORT: V88-03959.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Pb PPM	Zn PPM	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Pb PPM	Zn PPM
R2 13576	PN Oxide	475	>50.0	>10000	>20000	D2 81587	88-7	27		126	720
R2 13577	PN Oxide	189	>50.0	>10000	>20000	D2 81592	88-7	51		5360	1400
D2 81540		551		>10000	18000	D2 81593	88-7	13		2520	1300
D2 81549		22		1917	6200	D2 81594	88-7	594		>10000	6000
D2 81550		48		2430	>20000	D2 81595	88-7	1306		>10000	12200
D2 81551		95		>10000	>20000	D2 81596	88-7	476		>10000	>20000
D2 81552		105		1566	19200	D2 81597	88-7	221		9680	13200
D2 81553		90		583	>20000	D2 81598	88-7	22		3500	>20000
D2 81554		21		472	>20000	D2 81599	88-7	84		4390	>20000
D2 81555		20		>10000	>20000	D2 81600	88-7	179		>10000	>20000
D2 81556		19		3990	>20000	D2 81601	88-8	117		>10000	>20000
D2 81557		42		2001	13700	D2 81602	88-8	39		>10000	>20000
D2 81558	YM88-6	47		7510	2200	D2 81603	88-8	7		6970	>20000
D2 81560	YM88-6	9		144	520	D2 81604	88-8	<5		>10000	>20000
D2 81561	YM88-6	7		295	100	D2 81605	88-8	9		>10000	>20000
D2 81562		43		241	200	D2 81606	88-8	12		9260	7400
D2 81563		38		414	1560	D2 81608	88-8	11		>10000	>20000
D2 81564		202		4420	4900	D2 81609	88-8	15		3350	>20000
D2 81565		89		2360	2300	D2 81610	88-8	46		4140	>20000
D2 81566		233		153	>20000	D2 81611	88-8	36		271	3600
D2 81567		18		673	1200	Z2 81588	88-7 sludges	312	>50.0	>10000	>20000
D2 81568		46		275	1160	Z2 81589	88-7 sludges	197	>50.0	>10000	>20000
D2 81569		125		258	>20000	Z2 81590	88-7 sludges	407	>50.0	>10000	>20000
D2 81570		172		>10000	>20000	Z2 81612	88-8	62	>50.0	>10000	>20000
D2 81571		107		>10000	>20000						
D2 81572		355		>10000	>20000						
D2 81573		38		6660	>20000						
D2 81574		209		>10000	9000						
D2 81575		283		>10000	>20000						
D2 81576		29		1531	>20000						
D2 81577	YM88-7	13		2730	>20000						
D2 81578	YM88-7	69		1486	>20000						
D2 81579	YM88-7	111		228	>20000						
D2 81580	YM88-7	168		1921	8500						
D2 81581	YM88-7	52		128	4400						
D2 81582	YM88-7	28		147	660						
D2 81583	YM88-7	117		118	242						
D2 81584	YM88-7	115		120	172						
D2 81585	YM88-7	326		178	100						
D2 81586	YM88-7	53		163	320						

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Certificate of Analysis

REPORT: V88-03959.6 | PROJECT: KFT7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	Zn PCT	
R2 13576		28.29	22.60	9.95	3 Missing sample bag
R2 13577		9.60	9.05	10.30	
D2 81540			3.92		
D2 81550				4.98	
D2 81551			1.52	3.48	
D2 81553	88-6			6.10	
D2 81554				3.33	
D2 81555			11.43	13.65	
D2 81556				11.45	
D2 81566				9.04	
D2 81569				2.31	
D2 81570			1.44	2.38	
D2 81571			2.30	12.30	
D2 81572			23.28	9.60	
D2 81573				3.83	
D2 81574	88-7		2.42		
D2 81575			4.44	3.27	
D2 81576				5.73	
D2 81577				5.26	
D2 81578				6.83	
D2 81579				13.80	
D2 81594			2.04		
D2 81595			9.24		
D2 81596			9.64	2.60	
D2 81598				2.88	
D2 81599				12.30	
D2 81600			2.47	3.63	
D2 81601	88-8		4.93	16.40	
D2 81602			4.01	7.97	
D2 81603				7.90	
D2 81604			2.86	5.10	
D2 81605			2.18	5.50	
D2 81608			2.06	7.61	
D2 81609				8.18	
D2 81610				11.20	
Z2 81588	88-7 sludges	1.21	1.64	4.20	
Z2 81589		1.31	1.81	2.38	
Z2 81590		1.63	2.04	2.40	
Z2 81612	88-8	5.51	10.78	3.99	

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3959 Pg. 3

DATE June 11, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag
81592	0.99
81593	0.13
81594	1.48
81595	7.06
81596	6.18
81597	0.68
81598	0.15
81599	0.58
81600	1.86
81601	3.19
81602	2.27
81603	0.77
81604	2.00
81605	1.20
81606	0.64
81608	1.01
81609	0.35
81610	0.71
81611	0.05

YT88-8

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REPORT: V88-03959.6 | PROJECT: KFT7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	Zn PCT	
R2 13576		28.29	22.60	9.95	PN OXIDE
R2 13577		9.60	9.05	10.30	PN OXIDE
D2 81540			3.92		
D2 81550				4.98	
D2 81551			1.52	3.48	
D2 81553				6.10	YM88-6
D2 81554				3.33	YM88-6
D2 81555			11.43	13.65	YM88-6
D2 81556				11.45	YM88-6
D2 81566				9.04	YM88-6
D2 81569				2.31	
D2 81570			1.44	2.38	
D2 81571			2.30	12.30	
D2 81572			23.28	9.60	
D2 81573				3.83	
D2 81574			2.42		YM88-7
D2 81575			4.44	3.27	YM88-7
D2 81576				5.73	YM88-7
D2 81577				5.26	YM88-7
D2 81578				6.83	YM88-7
D2 81579				13.80	YM88-7
D2 81594			2.04		
D2 81595			9.24		
D2 81596			9.64	2.60	
D2 81598				2.88	
D2 81599				12.30	YM88-8
D2 81600			2.47	3.63	YM88-8
D2 81601			4.93	16.40	YM88-8
D2 81602			4.01	7.97	YM88-8
D2 81603				7.90	YM88-8
D2 81604			2.86	5.10	YM88-8
D2 81605			2.18	5.50	YM88-8
D2 81608			2.06	7.61	YM88-8
D2 81609				8.18	YM88-8
D2 81610				11.70	YM88-8
Z2 81588		1.71	1.64	4.20	SLUDGE
Z2 81589		1.31	1.81	2.38	SLUDGE
Z2 81590		1.63	2.04	2.40	SLUDGE
Z2 81612		5.51	10.78	3.99	SLUDGE YM88-9

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REPORT: V88-03959.5 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 81595		0.040

YM-88-8

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Geochemical Lab Report

REPORT: V88-04151.0

PROJECT: KFT7A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Zn PPM	
D2 #81607		44	>20000	YM BB - 8

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REPORT: V88-04151.6 | PROJECT: KFT7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Zn PCT
D7 #81607		9.00

YM 88-8

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Geochemical Lab Report

REPORT: V88-03954.0 | PROJECT: KET7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cd PPM	
P4 81543		402.0	YM88-6
P4 81544		595.0	
P4 81545		509.0	
P4 81546		177.0	
P4 81547		147.0	
P4 81548		68.0	

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Geochemical Lab Report

REPORT: V88-03954.1

PROJECT: KET7A PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	In PPM
P4 81543		<1
P4 81544		<1
P4 81545		<1
P4 81546		<1
P4 81547		<1
P4 81548		<1

YMBB-6

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Geochemical Lab Report

REPORT: V88-03959.1 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cd PPM	
D2 81549		21.0	
D2 81550		299.0	
D2 81551		191.0	
D2 81552		95.0	
D2 81553		362.0	YM88-6
D2 81554		161.0	
D2 81555		861.0	
D2 81556		605.0	
D2 81571		787.0	
D2 81572		716.0	
D2 81573		195.0	
D2 81574		84.0	YM88-7
D2 81575		265.0	
D2 81576		327.0	
D2 81577		259.0	
D2 81578		503.0	
D2 81579		636.0	
D2 81595		86.0	
D2 81596		156.0	
D2 81597		93.0	
D2 81598		390.0	
D2 81599		1665.0	
D2 81600		263.0	YM88-8
D2 81601		836.0	
D2 81602		408.0	
D2 81603		384.0	
D2 81604		220.0	
D2 81605		265.0	
D2 81606		29.0	
D2 81608		312.0	
D2 81609		475.0	
D2 81610		685.0	

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Geochemical Lab Report

REPORT: V88-03959.2 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	In PPM
D2 81549		<1
D2 81550		<1
D2 81551		<1
D2 81552		<1
D2 81553		<1
D2 81554		<1
D2 81555		<1
D2 81556		<1
D2 81571		<1
D2 81572		5
D2 81573		2
D2 81574		14
D2 81575		4
D2 81576		<1
D2 81577		<1
D2 81578		<1
D2 81579		<1
D2 81595		3
D2 81596		<1
D2 81597		<1
D2 81598		<1
D2 81599		<1
D2 81600		<1
D2 81601		<1
D2 81602		<1
D2 81603		4
D2 81604		<1
D2 81605		<1
D2 81606		10
D2 81608		26
D2 81609		16
D2 81610		<1

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Geochemical Lab Report

REPORT: V88-03971.0 | PROJECT: KFT7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pb PPM	Zn PPM	
D2 81613		35	12	130	
D2 81614		509	2200	1600	
D2 81615		18	62	380	
D2 81616		43	580	1050	
D2 81617		32	240	1200	
D2 81618		16	27	780	YM88-8
D2 81619		18	27	420	
D2 81620		21	61	560	
D2 81621		8	20	230	
D2 81622		8	30	130	
D2 81623		5	18	98	
D2 81624		<5	19	240	
D2 81625		11	163	420	
D2 81626		53	820	>20000	
D2 81627		337	>10000	5200	
D2 81628		230	3000	7500	
D2 81629		181	>10000	11800	
D2 81630		32	3400	16000	
D2 81631		613		>20000	
D2 81632		437	>10000	>20000	
D2 81633		74		>20000	
D2 81634		48	2200	11600	
D2 81635		22		20000	YM88-9
D2 81636		286	>10000	>20000	
D2 81637		32	560	3400	
D2 81638		296	600	2600	
D2 81639		32	380	2300	
D2 81640		38	1100	3200	
D2 81641		79	1860	8000	
D2 81642		62	640	4600	
D2 81643		19	2200	4200	
D2 81644		20	300	7200	
D2 81645		21	3200	>20000	

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETSA

REPORT NO. W88-3971

DATE June 13, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
13226	0.17	0.08	2.86
13227	55.0	31.5	1.04
13228	0.66	0.18	1.60
13229	199.	64.8	1.30
13230	3.09	1.12	3.57
13231	67.7	46.1	3.74
13232	0.99	0.55	4.07
13233	41.3	32.5	13.0
13234	1.71	2.89	7.15
81613	0.04		
81614	0.22		
81615	0.02		
81616	0.28		
81617	0.14		
81618	0.01		
81619	0.01		
81620	0.03		
81621	0.01		
81622	L0.01		
81623	L0.01		

PV surface Bruce

YM88-8

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Proj. KETSA

REPORT NO. W88-3971 Pg. 2

DATE June 13, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb
YM88-8 → 81624	0.01	
81625	0.01	
81626	0.12	
81627	1.09	
81628	0.28	
81629	0.89	
81630	0.22	
81631	4.08	6.17
YM88-9 81632	4.01	
81633	1.74	3.04
81634	0.25	
81635	0.82	2.51
81636	1.29	
81637	0.06	
81638	0.42	
81639	0.05	
81640	0.12	
81641	0.19	
81642	0.09	
81643	0.14	

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Proj. KETSA

REPORT NO. W88-3971 Pg. 3

DATE June 13, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag
Ym88-9	81644	0.03
	81645	0.24

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REPORT: V88-03971.6

PROJECT: KET7A

SAMPLE NUMBER	ELEMENT UNITS	Pb PCT	Zn PCT
D2 81626			1.89
D2 81627		1.30	
D2 81629		1.86	
D2 81631			3.02
D2 81632		1.47	14.20
D2 81633			8.70
D2 81636		2.19	3.65
D2 81645			2.86

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Proj. KETSA

REPORT NO. W88-3988

DATE June 20, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED		oz/ton	%							
		Ag	Pb							
YM88-9	81646	0.17								
	81647	0.04								
YM88-10	81648	0.05								
	81649	0.04								
	81650	0.03								
	81651	0.03								
	81652	0.03								
	81653	0.07								
	81654	0.14								
	81655	0.44								
	81656	1.64								
	81657	1.26								
	81658	1.38								
	81659	0.36								
	81660	0.12								
	81661	0.42								
	81662	4.84	8.52							
	81663	0.14								
	81664	0.05								
	81665	0.05								

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TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-3988A

DATE June 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED	% Pb	% Zn
Ym 88-9 81646	0.08	0.21
81647	0.04	0.03
81648	0.02	0.03
81649	0.03	0.12
81650	0.01	0.03
81651	0.03	0.10
81652	0.01	0.04
81653	0.06	0.13
81654	0.10	0.33
81655	0.53	1.34
Ym 88-10 81656	2.05	2.33
81657	1.38	1.60
81658	1.93	1.09
81659	0.11	0.11
81660	0.08	0.68
81661	0.34	1.10
81662		1.78
81663	0.23	0.19
81664	0.04	0.09
81665	0.06	0.04

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TO Yukon Minerals Corp.

REPORT NO. W88-3988 Pg. 2

DATE June 20, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag
81666	0.07
81667	0.05
81668	0.02
81669	0.03
81670	0.09
81671	0.16
81672	0.03
81673	L0.01
81674	L0.01
81675	L0.01
81676	0.02
81677	0.23
81678	0.05
81679	0.12
81680	0.03
81681	0.03
81682	0.01
81683	0.02
81684	0.04
81685	0.13

YM88-10

YM88-11

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REPORT NO. W88-3988A Pg. 2

DATE June 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED	% Pb	% Zn								
81666	0.10	0.02								
81667	0.03	0.04								
81668	0.01	0.01								
81669	0.02	0.03								
81670	0.04	0.03								
81671	0.06	0.04								
81672	0.02	0.06								
YMEE-10 81673	L0.01	0.03								
81674	L0.01	0.02								
81675	L0.01	0.01								
81676	L0.01	0.07								
81677	0.27	0.02								
81678	0.01	0.10								
81679	0.03	0.12								
81680	0.01	0.04								
81681	0.03	0.10								
81682	0.01	0.05								
81683	0.03	0.12								
YMEE-11 81684	0.01	0.03								
81685	0.02	0.08								

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Geochemical Lab Report

REPORT: V88-03988.0 | PROJECT: KET7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB		SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
D2 81646		34	YM 88-9	D2 81686		27	
D2 81647		13		D2 81687		146	
D2 81648		9		D2 81688		37	
D2 81649		13		D2 81689		14	
D2 81650		<5		D2 81690		11	
D2 81651		20		D2 81691		1390	
D2 81652		13		D2 81692		57	
D2 81653		46		D2 81693		47	
D2 81654		58		D2 81694		515	
D2 81655		63		D2 81695		61	
D2 81656		410		D2 81696		87	
D2 81657		416		D2 81697		254	YM 88-11
D2 81658		21		D2 81698		18	
D2 81659		303		D2 81699		40	
D2 81660		29		D2 81700		345	
D2 81661		137		D2 81701		52	
D2 81662		623		D2 81702		21	
D2 81663		12	YM 88-10	D2 81703		43	
D2 81664		22		D2 81704		167	
D2 81665		15		D2 81705		11	
D2 81666		65		D2 81706		5	
D2 81667		77		D2 81707		86	
D2 81668		<5		D2 81708		37	
D2 81669		14		D2 81709		197	
D2 81670		47		D2 81710		41	
D2 81671		149		D2 81711		18	
D2 81672		16		D2 81712		291	
D2 81673		<5		D2 81713		38	
D2 81674		<5		D2 81714		7	
D2 81675		<5		D2 81715		48	YM 88-12
D2 81676		12		D2 81716		<5	
D2 81677		7		D2 81717		88	
D2 81678		15		D2 81718		85	
D2 81679		19		D2 81719		862	
D2 81680		11		D2 81720		155	
D2 81681		8		D2 81721		89	
D2 81682		<5		D2 81722		88	
D2 81683		15		D2 81723		18	
D2 81684		18	YM 88-11	D2 81724		8	
D2 81685		104		D2 81725		24	

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REPORT: V88-03988.6 | PROJECT: KET7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	
D2 81691		0.035	YM-88-11

REPEAT ASSAY TO CHECK HIGH VALUE

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Geochemical Lab Report

REPORT: V88-03988.0 | PROJECT: KFT7A | PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81726		34
D2 81727		6
D2 81728		48
D2 81729		11

YM88-12

SAMPLE NUMBER	ELEMENT UNITS	Au PPB

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3988 Pg. 3

DATE June 20, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag
81686	0.04
81687	0.24
81688	0.21
81689	0.13
81690	0.20
81691	0.16
81692	0.06
81693	0.13
81694	1.83
81695	0.06
81696	0.15
81697	0.47
81698	0.19
81699	0.59
81700	1.35
81701	0.57
81702	0.06
81703	0.08
81704	0.42
81705	0.01

Ym 88-11

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3988A Pg. 3

DATE June 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED	% Pb	% Zn
81686	0.01	0.04
81687	0.05	0.18
81688	0.21	0.04
81689	0.29	0.03
81690	0.25	0.04
81691	0.08	0.37
81692	0.07	0.04
81693	0.17	0.06
81694	2.35	0.30
81695	0.08	0.04
81696	0.09	0.30
81697	0.51	0.37
81698	0.13	0.05
81699	0.27	0.41
81700	1.35	1.18
81701	0.36	1.91
81702	0.04	0.47
81703	0.01	0.06
81704	0.03	0.07
81705	L0.01	0.02

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3988 Pg. 4

DATE June 20, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%								
	Ag	Pb								
81706	0.03									
81707	0.06									
81708	0.17									
81709	0.15									
81710	0.02									
81711	0.05									
81712	0.75									
81713	0.13									
81714	0.03									
81715	0.08									
81716	L0.01									
81717	0.45									
81718	0.39									
81719	11.42	10.49								
81720	0.78									
81721	0.53									
81722	0.53									
81723	0.03									
81724	L0.01									
81725	0.03									

YM18R-12

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3988A Pg. 4

DATE June 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED	% Pb	% Zn
81706	0.03	0.22
81707	0.08	0.14
81708	0.29	2.63
81709	0.06	1.12
81710	0.03	0.77
81711	0.03	0.97
81712	0.67	2.65
81713	0.09	0.30
81714	0.06	0.08
81715	0.03	0.50
81716	0.02	0.17
81717	0.29	2.75
81718	0.25	0.78
81719		1.43
81720	0.97	2.02
81721	0.74	3.91
81722	0.69	4.05
81723	0.03	0.11
81724	0.01	0.05
81725	0.01	0.04

YM88-12

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3988 Pg. 5

DATE June 20, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag
Yn-88-12 81726	L0.01
81727	L0.01
81728	0.05
81729	L0.01

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3988A Pg. 5

DATE June 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED	% Pb	% Zn
YM 88-12 81726	L0.01	0.02
81727	0.01	0.01
81728	0.02	0.18
81729	L0.01	0.01

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-3995

DATE June 22, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%								
	Ag	Pb								
81730	0.22									
81731	0.50									
81732	7.62									
81733	1.79	1.99								
81734	0.88	1.02								
81735	1.43									
81736	0.37									
81737	0.42									
81738	2.16									
81739	10.3	14.45								
81740	2.62									
81741	1.82									
81742	1.22									
81743	0.12									
81744	0.17									
81745	0.03									
81746	0.35									
81747	0.11									
81748	0.89	2.00								
81749	0.42									

YM88-13

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-3995A

DATE June 25, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED	% Pb	% Zn
81730	0.21	0.35
81731	0.59	2.40
81732	4.01	0.14
81733		0.34
81734		6.10
81735	0.85	0.88
81736	0.49	1.30
81737	0.57	1.40
81738	2.80	1.26
YM.88-13 81739		11.95
81740	4.35	4.38
81741	3.75	0.25
81742	2.36	0.89
81743	0.14	0.69
81744	0.26	0.10
81745	0.02	0.04
81746	0.18	0.03
81747	0.09	0.22
81748		0.19
81749	0.90	0.05

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3995 Pg. 2

DATE June 22, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core/rock samples

MARKED		oz/ton	%
		Ag	Pb
YM88-13	81750	0.44	0.81
	81752	0.03	
	81753	0.18	
	81754	0.21	
	81755	1.14	
YM88-12	81756	0.04	
	81757	0.02	
	81758	0.01	
	81759	0.01	
	81760	L0.01	
	81761	L0.01	
	81762	0.04	
	81763	L0.01	
YM88-13	81764	1.25	
	81765	0.01	
	81766	0.02	
	81767	0.11	
YM88-14	81769	0.25	
	81770	0.01	

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-3995A Pg. 2

DATE June 25, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED		% Pb	% Zn
	81750		0.24
	81752	0.04	0.05
YM88-13	81753	0.04	0.16
	81754	0.41	0.50
	81755	0.55	0.30
	81756	0.03	0.02
	81757	0.01	0.01
	81758	L0.01	L0.01
YM88-12	81759	L0.01	0.01
	81760	L0.01	0.02
	81761	0.02	0.01
	81762	0.18	0.20
	81763	0.02	0.02
	81764	0.06	0.31
YM88-13	81765	L0.01	0.03
	81766	0.01	0.07
	81769	0.37	0.17
YM88-14	81770	0.02	0.07

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-03995.0 | PROJECT: KET7A | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
R2 81767	ST	42	3.9	>2000	55	9	0.6	171	<1	10	103	105
D2 81730		5										
D2 81731		108										
D2 81732		5										
D2 81733		137										
D2 81734		304										
D2 81735		87										
D2 81736		80										
D2 81737		151										
D2 81738		175										
D2 81739		993										
D2 81740		739										
D2 81741		1013										
D2 81742		186										
D2 81743		31										
D2 81744		53										
D2 81745		9										
D2 81746		26										
D2 81747		26										
D2 81748		21										
D2 81749		10										
D2 81750		6										
D2 81752		17										
D2 81753		31										
D2 81754		15										
D2 81755		31										
D2 81756		<5										
D2 81757		<5										
D2 81758		<5										
D2 81759		<5										
D2 81760		<5										
D2 81761		<5										
D2 81762		48										
D2 81763		<5										
D2 81764		1901										
D2 81765		11										
D2 81766		39										
D2 81769		47										
D2 81770		<5										

YM88-13

YM88-12

YM88-13

YM88-14

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(604) 985-0681 Telex 04-352667

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Geochemical Lab Report

REPORT: V88-03995.0 | PROJECT: KETZA | PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
R2 81767		396	<2	<1	2	5	<1	25	191	<20	15	<1.0
D2 81730												
D2 81731												
D2 81732												
D2 81733												
D2 81734												
D2 81735												
D2 81736												
D2 81737												
D2 81738												
D2 81739												
D2 81740												
D2 81741												
D2 81742												
D2 81743												
D2 81744												
D2 81745												
D2 81746												
D2 81747												
D2 81748												
D2 81749												
D2 81750												
D2 81752												
D2 81753												
D2 81754												
D2 81755												
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D2 81757												
D2 81758												
D2 81759												
D2 81760												
D2 81761												
D2 81762												
D2 81763												
D2 81764												
D2 81765												
D2 81766												
D2 81769												
D2 81770												

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(604) 985-0681 Telex 04-352667

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Geochemical Lab Report

REPORT: V88-03995.0 | PROJECT: KEITA | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	U PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 81767		<20	4	<10	<10	<10	2	<10	<1	28	17
D2 81730											
D2 81731											
D2 81732											
D2 81733											
D2 81734											
D2 81735											
D2 81736											
D2 81737											
D2 81738											
D2 81739											
D2 81740											
D2 81741											
D2 81742											
D2 81743											
D2 81744											
D2 81745											
D2 81746											
D2 81747											
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D2 81752											
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D2 81759											
D2 81760											
D2 81761											
D2 81762											
D2 81763											
D2 81764											
D2 81765											
D2 81766											
D2 81769											
D2 81770											

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Certificate of Analysis

REPORT: V88-03995.6 | PROJECT: KEIZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	
D2 81741		0.027	88-13
D2 81764		0.053	88-13
D2 81739		0.030	88-13

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4601

DATE June 24, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81771	0.08	0.12	0.15
81772	0.33	0.31	0.17
81773	0.06	0.22	0.06
81774	0.19	0.68	0.02
81775	0.14	0.18	0.03
81776	0.12	0.25	0.05
81777	0.07	0.07	0.15
81778	2.92	5.40	2.17
81779	0.24	0.20	1.07
81780	0.23	0.13	1.38
81781	0.02	0.02	0.11
81782	L0.01	0.01	0.07
81783	L0.01	L0.01	0.04
81784	0.01	0.01	0.05
81785	0.02	0.01	0.09
81786	0.01	L0.01	0.09
81787	L0.01	L0.01	0.03
81788	0.05	0.07	0.05
81789	0.02	0.02	0.04
81790	L0.01	0.01	0.12

YM88-14

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4601 Pg. 2

DATE June 24, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
YM88-14 81791	L0.01	L0.01	0.02
YM88-14 81792	L0.01	L0.01	0.01
YM88-14 81793	0.03	0.03	0.14
YM88-14 81794	L0.01	L0.01	0.02
81816	1.81	1.87	2.53
81817	4.01	1.92	7.63
81818	1.90	3.18	4.15
81819	1.93	2.64	5.00
81820	1.72	2.40	3.76
81821	3.24	4.03	7.43
YM88-14 81822	6.58	10.3	21.3
81823	4.80	7.57	11.95
81824	9.42	6.23	1.27
81825	3.50	4.85	5.88
81826	0.61	0.79	5.55
81827	0.04	0.07	2.65
81828	0.08	0.15	3.95

BONDAR-CLEGG & COMPANY LTD.

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Geochemical Lab Report

REPORT: V88-04601.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
D2 81771		7	
D2 81772		30	
D2 81773		8	
D2 81774		12	
D2 81775		24	
D2 81776		6	
D2 81777		10	
D2 81778		41	
D2 81779		68	
D2 81780		36	
D2 81781		7	YM88-14
D2 81782		<5	
D2 81783		8	
D2 81784		8	
D2 81785		11	
D2 81786		6	
D2 81787		6	
D2 81788		13	
D2 81789		10	
D2 81790		7	
D2 81791		9	
D2 81792		<5	
D2 81793		30	
D2 81794		7	
D2 81816		173	
D2 81817		166	
D2 81818		110	
D2 81819		133	
D2 81820		140	
D2 81821		261	
D2 81822		317	YM88-16
D2 81823		345	
D2 81824		837	
D2 81825		443	
D2 81826		217	
D2 81827		12	
D2 81828		10	

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4621

DATE July 4, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
P/s shows 13238	50.6	55.7	0.23
81795	5.72	4.13	0.05
81796	3.09	3.94	0.74
81797	0.16	0.14	0.10
81798	0.17	0.15	0.05
81799	0.10	0.11	0.04
81800	0.26	0.45	0.02
81801	0.10	0.11	0.02
81802	0.33	0.30	0.04
81803	1.05	1.27	0.81
81804	0.17	0.09	0.24
81805	1.23	0.95	1.44
81806	0.46	0.44	0.52
81807	0.93	1.17	1.70
81808	8.02	12.6	4.90
81809	2.06	1.94	2.14
81810	4.10	3.97	3.39
81811	15.3	26.1	0.58
81812	16.8	27.6	1.17
81813	5.37	8.90	3.00

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4621 Pg.2

DATE July 4, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%	%
	Ag	Pb	Zn
81814	12.4	28.5	3.35
81815	5.77	5.46	14.5
81829	1.85	3.92	7.07
81830	1.42	0.70	1.38
81831	0.99	1.47	2.32
81832	2.25	2.08	1.30
81833	0.10	0.08	0.08
81834	0.16	0.18	0.33
81835	0.20	0.27	0.73
81836	0.13	0.14	0.29
81837	0.16	0.38	0.10
81838	0.06	0.08	0.05
81839	0.15	0.11	1.13
81840	0.04	0.03	0.08
81841	0.31	0.90	0.33
81842	1.45	1.68	4.00
81843	2.29	4.48	3.66
81844	1.85	3.30	1.26
81845	1.44	2.36	4.18
81846	1.63	2.00	0.69

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4621 Pg. 3

DATE July 4, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%	%
	Ag	Pb	Zn
81847	0.35	0.42	0.76
81848	1.14	1.30	1.16
81849	1.40	2.25	0.64
81850	1.45	2.54	1.55
81851	0.20	0.34	0.40
81852	0.71	1.42	1.50
81853	2.00	3.78	3.70
81854	0.03	0.05	0.12
81855	0.05	0.08	0.33
81856	0.22	0.07	0.10
81857	0.34	0.73	0.10
81858	0.84	1.42	0.07
81859	1.54	3.01	0.05
81860	1.79	2.95	0.05
81861	1.91	1.96	0.15
81862	2.08	2.69	0.23
81863	0.14	0.14	0.53
81864	0.05	0.09	0.20
81865	0.20	0.08	0.36
81866	0.66	1.43	0.75

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4621 Pg. 4

DATE July 4, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81867	0.64	1.74	1.00
81868	0.09	0.11	0.11
81869	0.06	0.05	0.02
81870	0.07	0.03	0.02
81871	0.08	0.13	0.10
81872	0.73	1.00	0.34
81873	0.16	0.20	0.27
81874	0.16	0.11	1.10
81875	0.04	0.05	0.62
81876	0.03	0.07	0.36
81877	0.02	0.03	0.90
81878	3.65	3.67	0.10
81879	0.61	0.57	0.29
81880	2.27	1.99	3.44
81881	0.32	0.32	1.11
81882	0.38	0.33	1.34
81883	0.49	0.48	0.79
81884	0.05	0.03	0.45
81885	0.07	0.19	0.38
81886	L0.01	0.03	0.77

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Geochemical Lab Report

REPORT: V89-04621.0 | PROJECT FILE | FAX: 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	SAMPLE NUMBER	ELEMENT UNITS	AU PPB
D2 13238		69 → Bill's showing	D2 81847		153
D2 81795		24	D2 81848		[illegible]
D2 81796		26	D2 81849		[illegible]
D2 81797		73	D2 81850		[illegible]
D2 81798		53	D2 81851		58
D2 81799		39	D2 81852		16
D2 81800		9	D2 81853		161
D2 81801		11	D2 81854		12
D2 81802		33	D2 81855		6
D2 81803		44	D2 81856		13
D2 81804		13	D2 81857		11
D2 81805		89	D2 81858		65
D2 81806		21	D2 81859		32
D2 81807		40	D2 81860		47
D2 81808		628	D2 81861		35
D2 81809		108	D2 81862		65
D2 81810		336	D2 81863		22
D2 81811		1242	D2 81864		5
D2 81812		1578	D2 81865		64
D2 81813		324	D2 81866		19
D2 81814		1043	D2 81867		125
D2 81815		255	D2 81868		54
D2 81829		111	D2 81869		45
D2 81830		745	D2 81870		35
D2 81831		51	D2 81871		25
D2 81832		1017	D2 81872		320
D2 81833		56	D2 81873		19
D2 81834		133	D2 81874		69
D2 81835		45	D2 81875		11
D2 81836		14	D2 81876		7
D2 81837		16	D2 81877		5
D2 81838		18	D2 81878		44
D2 81839		57	D2 81879		117
D2 81840		15	D2 81880		[illegible]
D2 81841		56	D2 81881		[illegible]
D2 81842		484	D2 81882		136
D2 81843		194	D2 81883		[illegible]
D2 81844		451	D2 81884		17
D2 81845		275	D2 81885		5
D2 81846		134	D2 81886		[illegible]

YM88-15

YM88-15

YM89-17

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Certificate of Analysis

REPORT: V88-04621.6 | PROJECT: KEIZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 81811		0.033
D2 81812		0.044
D2 81814		0.032
D2 81832		0.042

YM 88-15

REPEAT ASSAY TO CHECK HIGH VALUES

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04621.0

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
PU 81887		22			
LJ 81898		6			

} YMEG-17

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4626

DATE July 5, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock/drill core samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
BT 13239	98.8	3.56	6.66	0.51						
MAX 13240	97.3	0.75	77.5	0.02						
81889	0.50		0.38	0.93						
81890	2.76		2.25	0.92						
81891	0.08		0.07	1.17						
81892	0.06		0.08	1.13						
81893	0.23		0.31	0.56						
81894	0.09		0.23	0.06						
81895	0.19		0.40	0.05						
81896	0.02		0.03	0.02						
81897	0.01		0.03	0.02						
81898	0.17		0.02	0.05						
81899	L0.01		0.02	0.04						
81900	0.19		0.52	0.04						
81901	L0.01		0.04	0.02						
81902	0.01		0.04	0.03						
81903	L0.01		0.02	0.10						
81904	0.03		0.10	0.01						
81905	L0.01		L0.01	0.09						
81906	0.55		0.67	1.15						

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4626 Pg. 2

DATE July 5, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
81907	0.03		0.02	0.05						
81908	0.97		0.05	6.10						
81909	0.02		0.02	0.60						
81910	0.03		0.03	0.08						
81911	L0.01		0.02	0.02						
81912	0.46		0.44	4.16						
81913	0.02		0.03	1.50						
81914	0.14	0.03	0.08	2.79						
81915	2.86	0.08	3.00	4.12						
81916	0.08	L0.01	0.07	0.42						
81917	0.01	L0.01	0.02	0.09						
81918	0.07	0.01	0.10	0.38						
81919	14.95	0.19	9.78	9.55						
81920	0.64	0.02	0.52	2.92						

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Geochemical Lab Report

REPORT: V88-04626.0

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Notes
R2 13239		15	→ BT
R2 13240		[illegible]	→ MAX
D2 81889		9	
D2 81890		13	
D2 81891		6	
D2 81892		<5	
D2 81893		126	
D2 81894		15	
D2 81895		65	
D2 81896		5	
D2 81897		7	
D2 81898		172	YM88-16
D2 81899		23	
D2 81900		22	
D2 81901		15	
D2 81902		24	
D2 81903		12	
D2 81904		<5	
D2 81905		5	
D2 81906		101	
D2 81907		32	
D2 81908		363	
D2 81909		9	YM88-17
D2 81910		13	
D2 81911		<5	
D2 81912		31	
D2 81913		<5	
D2 81914		8	
D2 81915		69	
D2 81916		<5	YM88-21
D2 81917		<5	
D2 81918		<5	
D2 81919		341	
D2 81920		34	

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Geochemical Lab Report

REPORT: V88-04601.1 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cd PPM
D2 81817		415.0
D2 81818		246.0
D2 81819		370.0
D2 81820		235.0
D2 81821		442.0
D2 81822		1259.0
D2 81823		613.0
D2 81824		138.0
D2 81825		411.0

YM 88-16

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Geochemical Lab Report

REPORT: V88-04601.2 | PROJECT: KFT7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	In PPM
D2 81817		<1
D2 81818		<1
D2 81819		<1
D2 81820		<1
D2 81821		<1
D2 81822		<1
D2 81823		<1
D2 81824		22
D2 81825		33

YM88-16

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4621 Pg. 5

DATE July 4, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81887	0.03	0.05	0.67
81888	0.02	0.03	0.26

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.
(B. Fowler)

REPORT NO. W88-5608
DATE July 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
18933	0.03	L0.01	0.05	0.36						
Ym88-22 18934	0.03	L0.01	0.01	0.09						
18935	L0.01	L0.01	L0.01	0.03						
18936	L0.01	L0.01	L0.01	0.01						
Ym88-30 → 18937	0.01	L0.01	L0.01	0.01						
Ym88-29 → 18938	0.04	L0.01	0.03	0.17						
18939	0.03	L0.01	0.02	0.02						
Ym88-17 18940	0.01	L0.01	L0.01	0.01						
18941	0.06	L0.01	L0.01	0.08						

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4638

DATE July 6, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock/drill core samples

MARKED	oz/ton Ag	% Pb	% Zn	
13241	125.	73.9		→ Pb Analysis shipment #2
13242	65.9	31.5		
81929	1.15	0.68	1.01	
81930	5.42	8.80	7.17	
81931	8.72	17.2	0.18	
81932	9.73	17.4	0.17	
81933	1.69	3.44	0.44	88-18
81934	0.49	0.60	0.16	
81935	0.16	0.14	0.13	
81936	0.26	0.13	0.56	
81937	0.12	0.09	0.23	
81938	0.05	0.05	0.50	
81939	0.02	0.03	0.74	
81940	0.04	0.03	0.05	
81941	0.66	0.47	4.96	
81942	18.45	16.7	3.85	88-25
81943	1.43	0.64	5.12	
81944	0.21	0.09	0.94	88-26
81945	7.87	10.18	4.36	
81946	0.55	0.58	0.42	

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4638A

DATE Oct 21, 1988

Proj. Ketza

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED	% Cu
81941	0.04
81942	0.64
81943	0.07
81945	0.18

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-05608.0

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
D2 18933		9	YM88-22
D2 18934		13	
D2 18935		11	
D2 18936		18	YM88-30
D2 18937		19	
D2 18938		18	YM88-29
D2 18939		14	YM88-17
D2 18940		17	
D2 18941		79	

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Geochemical Lab Report

REPORT: V88-04638.0 | PROJECT: KFT7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
D2 81929		34	
D2 81930		318	
D2 81931		544	
D2 81932		616	
D2 81933		347	
D2 81934		454	YM88-18
D2 81935		179	
D2 81936		269	
D2 81937		16	
D2 81938		9	
D2 81939		<5	
D2 81940		<5	
D2 81941		37	
D2 81942		510	YM88-25
D2 81943		61	
D2 81944		25	
D2 81945		395	YM88-26
D2 81946		110	"

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4654 Pg. 2

DATE July 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%	%							
	Ag	Pb	Zn							
YMIEE-2E 81021	1.72	2.08	4.61							
81022	0.86	1.24	4.63							
81023	0.56	0.82	3.37							
81024	0.21	0.17	0.32							
81025	0.22	0.57	0.60							
81026	0.24	0.20	2.31							
81027	0.26	0.62	0.95							
YMIBE-1E 81951	0.01	0.02	0.06							
81952	0.01	0.05	0.08							
81953	0.01	0.01	0.21							
81954	0.01	0.01	0.74							
YMIE-1G 81955	L0.01	0.01	0.01							
81956	4.93	6.70	0.03							
81957	0.77	0.96	0.01							
81958	0.12	0.05	0.01							
81959	L0.01	0.01	0.03							
81960	0.02	0.01	0.01							
81961	1.11	1.13	9.95							
81962	0.14	0.12	2.62							
81963	0.02	0.01	0.14							

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4654 Pg. 3

DATE July 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
YM88-19 81964	0.01	0.02	0.09
81965	0.01	0.03	0.02
81966	0.04	0.09	0.02
81967	0.05	0.10	0.03
YM88-20 81968	0.12	0.11	0.14
81969	0.13	0.14	0.12
81970	0.03	0.02	0.05
81971	6.47	8.00	0.41
81972	0.25	0.32	0.26
81973	1.62	2.24	0.40
81974	0.04	0.06	0.02
81975	0.03	0.02	0.01

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Proj. KETZA

REPORT NO. W88-4654

DATE July 11, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81001	0.05	0.07	0.15
81002	0.05	0.07	0.17
81003	0.03	0.01	0.01
81004	0.06	0.01	0.02
81005	0.12	0.08	0.19
81006	0.25	0.28	0.33
81007	0.03	0.03	0.04
81008	0.03	0.01	0.01
81009	0.26	0.22	0.12
81010	0.23	0.03	0.02
81011	0.16	0.15	0.03
81012	1.06	1.60	0.33
81013	0.32	0.13	0.12
81014	1.22	0.44	0.07
81015	0.18	0.33	0.21
81016	0.04	0.03	0.08
81017	0.36	0.63	0.63
81018	0.35	0.56	0.85
81019	0.57	0.97	0.20
81020	0.62	1.26	0.97

Yn188-20

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Geochemical Lab Report

REPORT: V88-04654.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81001		16
D2 81002		29
D2 81003		13
D2 81004		253
D2 81005		121
D2 81006		674
D2 81007		16
D2 81008		9
D2 81009		41
D2 81010		36
D2 81011		23
D2 81012		425
D2 81013		46
D2 81014		98
D2 81015		20
D2 81016		12
D2 81017		42
D2 81018		77
D2 81019		55
D2 81020		101
D2 81021		157
D2 81022		71
D2 81023		72
D2 81024		45
D2 81025		31
D2 81026		46
D2 81027		40
D2 81951		19
D2 81952		34
D2 81953		44
D2 81954		21
D2 81955		6
D2 81956		910
D2 81957		156
D2 81958		37
D2 81959		10
D2 81960		23
D2 81961		479
D2 81962		22
D2 81963		6
D2 81964		8
D2 81965		8
D2 81966		6
D2 81967		<5
D2 81968		12
D2 81969		14
D2 81970		15
D2 81971		2220
D2 81972		60
D2 81973		1689
D2 81974		51
D2 81975		11

YM 88-20

88-18

88-19

88-19

88-20

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Geochemical Lab Report

LETZA REGIONAL

WORK: VRB-07609.0

PROJECT: NONE GIVEN PAGE 1

SAMPLE REF	ELEMENT UNITS	AU PPB	
13326	13326	6	R16-7-2
13328	13328	9	R17-7-2
18942	18942	17	88-19
18943	18943	16	88-25

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REPORT: V88-04654.6 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 81971		0.061
D2 81973		0.058

REPEAT ASSAY TO CHECK

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4655

DATE July 14, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock/drill core samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
MF → 13255	78.7		78.8	
YM88-21 81947	0.33	L0.01	0.37	0.33
81948	0.58	L0.01	0.52	0.16
81949	0.54	L0.01	0.19	0.05
81950	0.06	L0.01	0.08	0.03
81976	0.05	L0.01	0.07	0.02
81977	0.25	L0.01	0.44	0.33
YM88-22 81978	0.55	0.02	0.26	2.39
81979	2.13	0.06	2.25	6.68
81980	0.02	L0.01	0.03	0.11
81981	1.90	L0.01	2.31	0.13
81982	0.04	L0.01	0.04	0.04
YM88-29 81983	0.04	L0.01	0.03	0.43
81984	0.01	L0.01	0.02	0.14
81985	0.01	L0.01	0.01	0.10
YM88-33 81986	0.02	L0.01	0.02	0.05
81987	0.83	L0.01	1.01	0.04
81988	0.16	L0.01	0.21	0.34
YM 88-30 81989	1.37	L0.01	0.94	1.22
81990	0.02	L0.01	0.02	0.04

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4634

DATE July 6, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn						
81921	0.13	L0.01	0.10	0.33						DDH 88-23
81922	27.9	0.25	27.9	11.8						
81923	1.81	0.04	0.99	2.93						
81924	0.23	L0.01	0.20	0.48						
81925	0.08	L0.01	0.13	0.13						
81926	0.04	L0.01	0.05	0.93						
81927	0.89	0.13	1.08	10.75						
81928	L0.01	L0.01	0.02	0.35						

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Geochemical Lab Report

REPORT: V88-04634.0 | PROJECT: KEITA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81921		<5
D2 81922		17
D2 81923		<5
D2 81924		<5
D2 81925		<5
D2 81926		<5
D2 81927		61
D2 81928		<5

YMAE-23

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4655 Pg. 2

DATE July 14, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
81991	2.74	0.09	0.82	2.58
81992	0.23	0.01	0.14	1.04
81993	0.50	0.01	0.30	1.57
81994	0.44	0.01	0.26	0.70
81995	0.21	L0.01	0.17	1.07
81996	0.17	0.02	0.05	3.35
18926	0.11	0.01	0.14	0.53
18927	0.03	L0.01	0.03	0.05
18928	L0.01	L0.01	0.01	0.03
18929	2.57	0.01	3.70	0.20
18930	L0.01	L0.01	0.01	0.04
18931	0.02	L0.01	0.04	0.01
18932	0.04	L0.01	0.03	0.01

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Geochemical Lab Report

REPORT: V88-04655.0 | PROJECT: KEIZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 18926		16
D2 18927		12
D2 18928		6
D2 18929		11
D2 18930		6
D2 18931		8
D2 18932		5
D2 81947		18
D2 81948		24
D2 81949	88-21	16
D2 81950		7
D2 81976		8
D2 81977		7
D2 81978		16
D2 81979	88-22	61
D2 81980		8
D2 81981		<5
D2 81982		7
D2 81983	88-29	21
D2 81984		5
D2 81985		9
D2 81986	88-23	8
D2 81987		10
D2 81988		14
D2 81989		39
D2 81990		17
D2 81991		2098
D2 81992		103
D2 81993	88-30	52
D2 81994		63
D2 81995		47
D2 81996		12

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Certificate of Analysis

REPORT: V88-04655.6 | PROJECT: KFT7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 81991		0.056

Tel 88-30 REPEAT ASSAY TO CHECK HIGH VALUES

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Blue Regional Metals

Certificate of Analysis

TO Yukon Minerals Corp.
(Paul Ramaekers)

REPORT NO. W88-5609
DATE July 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn						
13326	6.75	L0.01	12.3	0.01						
13327	55.9	L0.01	77.2	0.11						
13328	1.85	2.28	0.42	2.45						
13329	1.91	0.02	4.21	0.96						
18942	0.04	L0.01	0.08	0.24						
18943	0.05	L0.01	0.04	0.06						

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4656

DATE July 14, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
81997	0.65	0.01	0.65	0.40
81998	1.68	0.01	1.42	0.42
81999	1.80	0.04	2.04	0.43
82000	0.97	0.01	1.21	0.34
18901	0.27	0.03	0.15	3.09
18902	0.12	L0.01	0.14	0.22
18903	0.67	0.03	0.53	0.58
18904	0.16	0.01	0.10	0.72
18905	0.06	L0.01	0.06	0.53
18906	0.38	L0.01	0.25	0.60
18907	0.58	0.04	0.37	0.95
18908	0.07	0.01	0.05	0.75
18909	0.26	L0.01	0.30	0.09
18910	0.14	0.01	0.09	0.10
18911	2.95	0.01	3.10	0.10
18912	0.45	L0.01	0.50	0.05
18913	1.17	0.06	0.52	0.40
18914	0.22	0.01	0.14	0.54
18915	0.81	0.02	0.64	2.62
18916	0.82	0.02	0.77	3.19

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-4656 Pg. 2

DATE July 14, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
Ym 82-28 18917	0.37	0.01	0.13	2.50						
18918	0.09	0.01	0.11	1.98						
18919	0.04	L0.01	0.05	0.42						
18920	0.04	L0.01	0.05	0.04						
18921	0.09	L0.01	0.08	0.02						
18922	0.68	0.02	0.05	0.03						
18923	0.03	L0.01	0.01	0.01						

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Geochemical Lab Report

REPORT: V88-04656.0 | PROJECT: KUTA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
D2 18901		66	→ YMBB-27
D2 18902		24	
D2 18903		484	
D2 18904		288	
D2 18905		57	YMBB-25
D2 18906		75	
D2 18907		6	
D2 18908		27	
D2 18909		33	
D2 18910		51	
D2 18911		207	
D2 18912		78	
D2 18913		75	
D2 18914		24	
D2 18915		162	
D2 18916		81	YMBB-28
D2 18917		81	
D2 18918		81	
D2 18919		18	
D2 18920		311	
D2 18921		27	
D2 18922		36	
D2 18923		15	
D2 81997		99	→ YMBB-26
D2 81998		27	YMBB-27
D2 81999		87	
D2 82000		21	

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Certificate of Analysis

TO Yukon Minerals Corp.
(B. Fowler)

REPORT NO. W88-5611

DATE July 29, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%	%	%					
	Ag	Cu	Pb	Zn					
81030	0.33	0.02	0.22	2.42					
81031	55.5	1.90	70.9	0.27					
81032	1.05	0.09	0.92	4.53					
81033	0.08	L0.01	0.06	0.26					
81034	0.12	0.01	0.07	0.13					
81035	0.08	0.01	0.09	1.18					
81036	6.55	0.10	5.24	7.70					
81037	60.0	0.29	56.0	1.99					
81038	0.24	0.01	0.19	0.63					

1168-31

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Geochemical Lab Report

REPORT: V88-05611.0

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81030		20
D2 81031		27
D2 81032		23
D2 81033		9
D2 81034		11
D2 81035		8
D2 81036		26
D2 81037		61
D2 81038		12

YM88-31

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Certificate of Analysis

TO Yukon Minerals Corp.
(P. Ramaekers)

REPORT NO. W88-5612
DATE July 29, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
13335	111.		77.7	
13336	8.49		19.6	0.22
13337	47.2		47.2	
13338	70.0		82.5	
Hole 31 81029 Core	0.06	L0.01	0.07	0.03

R.K.

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Geochemical Lab Report

REPORT: V88-05612.0 | PROJECT: NONE GIVEN | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
R2 13330		12	1.5	<50	<2	131	<4.0	<5	1	17	<2	22
R2 13331		17	1.5	<50	<2	125	<4.0	<5	1	317	<2	3[illegible]
R2 13332		37	3.1	<50	<2	66	<4.0	<5	<1	26	<2	16
R2 13333		11	1.3	<50	<2	260	<4.0	<5	2	30	2	48
R2 13334		27	13.9	<50	<2	272	<4.0	<5	2	8	<2	4[illegible]
D2 81028	YM 88-31	20	6.0	<50	<2	118	<4.0	<5	16	6	<2	0
D2 81029		12										

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Geochemical Lab Report

REPORT: V83-05612.0 | PROJECT: NONE GTV N | PAGE 1R

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
R2 13330		35	4	9	<1	15	2	<1	128	<50	<5	<1.0
R2 13331		13	9	169	3	<5	7	<1	95	71	<5	<1.0
R2 13332		31	7	8	2	9	2	<1	551	90	<5	<1.0
R2 13333		26	3	17	<1	<5	3	5	151	<50	<5	<1.0
R2 13334		46	4	<1	<1	<5	3	7	2471	163	<5	<1.0
D2 81028		168	4	2	2	<5	<1	14	893	97	<5	1.0
D2 81029									0.09			

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Geochemical Lab Report

REPORT: V88-05612.0 | PROJECT: NONE GIVEN | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	U PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 13330		<30	4	<10	<20	<20	<1	<10	2	122	8
R2 13331		<30	10	<10	<20	<20	<1	<10	17	94	66
R2 13332		<30	8	<10	<20	<20	<1	<10	5	77	10
R2 13333		<30	23	<10	<20	<20	<1	<10	3	90	14
R2 13334		<30	7	<10	<20	<20	<1	<10	2	859	9
D2 81028		37	48	<10	<20	<20	3	30	5	8348	3
D2 81029										0.83	

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Certificate of Analysis

TO Yukon Minerals Corp.

(B. Fowler)

REPORT NO. W88-5621

DATE July 30, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
Ym88-32 81042	0.01	L0.01	0.01	0.05						
81043	L0.01	L0.01	0.01	0.02						
81044	6.09	0.12	6.54	1.02						
81045	0.01	L0.01	0.03	0.04						
Ym88-33 81046	L0.01	L0.01	0.02	0.04						
81047	0.20	L0.01	0.49	0.04						
81048	0.01	L0.01	0.01	0.05						

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Geochemical Lab Report

REPORT: V88-05621.0

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
D2 81039		8	<0.5	<50	<2	62	<4.0	<5	2	51	<2	7
D2 81040		10	0.7	<50	<2	73	<4.0	<5	<1	<5	<2	66
D2 81041		12	2.6	<50	<2	175	<4.0	<5	<1	6	6	43
D2 81042	YM88-32	11										
D2 81043		9										
D2 81044		21										
D2 81045		10										
D2 81046	YM88-33	12										
D2 81047		8										
D2 81048		10										

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Geochemical Lab Report

REPORT: V88-05621.0 | PROJECT: NONE GIVEN | PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
D2 81039		23	21	<1	2	<5	<1	10	65	77	<5	2.0
D2 81040		28	3	1	<1	<5	<1	4	88	<50	<5	<1.0
D2 81041		65	3	3	2	<5	<1	20	77	66	<5	1.0
D2 81042												
D2 81043												
D2 81044												
D2 81045												
D2 81046												
D2 81047												
D2 81048												

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Geochemical Lab Report

REPORT: V88-05621.0

PROJECT: NONE GIVEN PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
D2 81039		45	88	<10	<20	<20	3	<10	9	212	3
D2 81040		<30	20	<10	<20	<20	1	<10	2	115	<1
D2 81041		30	53	<10	<20	<20	2	<10	7	184	11
D2 81042											
D2 81043											
D2 81044											
D2 81045											
D2 81046											
D2 81047											
D2 81048											

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Certificate of Analysis

TO Yukon Minerals Corp.
(B. Fowler)

REPORT NO. W88-5629
DATE July 30, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton	%	%	%					
		Ag	Cu	Pb	Zn					
Jenny Surface	13339	74.4	0.01	70.8	0.09					
	13340	6.81	0.03	0.46	1.89					
	13341	0.15	0.08	0.09	0.26					
YM88-33	81049	0.27	L0.01	0.45	0.19					
	81050	7.00	0.02	1.19	1.91					
	81051	0.03	L0.01	0.02	0.36					
	81052	0.38	0.10	0.08	11.0					
	81053	0.01	L0.01	0.05	0.23					
	81054	L0.01	L0.01	0.02	0.29					
	81055	L0.01	L0.01	L0.01	0.05					
	81057	L0.01	L0.01	L0.01	0.01					

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Geochemical Lab Report

REPORT: V88-05629.0

PROJECT: NONE GIVEN PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
R2 13339		55	JENNY #2		hi grade galena							
R2 13340		133	✓		Ins chip - BF							
R2 13341		67	JENNY #1		oxide grab							
D2 81049		6										
D2 81050		38										
D2 81051		8										
D2 81052		151										
D2 81053		<5	YM188-33									
D2 81054		<5										
D2 81055		<5										
D2 81056		<5	<0.5	<50	<2	44	<4.0	<5	<1	71	5	13
D2 81057		<5										

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Geochemical Lab Report

REPORT: V88-05629.0 | PROJECT: NONE GIVEN | PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
R2 13339												
R2 13340												
R2 13341												
D2 81049												
D2 81050												
D2 81051												
D2 81052												
D2 81053												
D2 81054												
D2 81055												
D2 81056		2	29	<1	2	<5	<1	11	40	<50	<5	4.0
D2 81057												

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-5636

DATE Aug 3, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton	%	%	%					
	Ag	Cu	Pb	Zn					
81058	0.07	L0.01	0.01	0.03					
81059	0.35	0.01	0.19	0.25					
81060	0.01	L0.01	0.01	0.01					
81061	0.01	L0.01	0.03	0.02					
81062	0.20	0.04	0.01	2.45					
81063	0.01	L0.01	0.01	0.06					
81064	0.04	L0.01	0.06	0.02					

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Geochemical Lab Report

REPORT: V88-05636.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81058		14
D2 81059		48
D2 81060		15
D2 81061		7
D2 81062		221
D2 81063		18
D2 81064		11

YM88-34

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pl,12/

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-5653

DATE Aug 8, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81065	0.04	0.07	0.15
81066	0.01	0.03	0.05
81067	0.03	0.04	0.22
81068	0.10	0.17	0.03
81069	0.52	0.77	0.91
81070	0.28	0.38	0.13
81071	0.14	0.11	0.04
81072	L0.01	L0.01	0.02
81073	0.09	0.22	0.16
81074	L0.01	0.01	0.01
81075	L0.01	0.01	L0.01
81076	L0.01	0.03	0.01
81077	L0.01	L0.01	0.01
81078	0.04	0.01	0.02
81079	0.56	0.17	2.43
81080	0.02	0.01	0.42

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TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-5664

DATE Aug 13, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81081	0.03	0.04	0.04
81082	0.19	0.05	0.09
81083	0.06	0.01	0.03
81084	0.04	0.04	0.34
81085	0.06	0.03	0.04
81086	1.60	2.32	0.05
81087	0.08	0.08	0.19
81088	12.1	10.45	2.30
81089	0.18	0.21	0.86
81090	2.49	1.08	7.52
81091	0.10	0.06	2.65
81092	0.22	0.21	9.85
81093	0.19	0.12	6.09
81094	0.27	0.10	2.42
81095	0.33	0.19	3.40
81096	0.89	0.72	4.16
81097	0.43	0.66	1.75

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Geochemical Lab Report

REPORT: V88-05653.0 | PROJECT: KF17A HV | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81065		10
D2 81066		17
D2 81067		49
D2 81068		12
D2 81069		85
D2 81070		50
D2 81071		23
D2 81072		19
D2 81073		33
D2 81074		20
D2 81075		19
D2 81076		15
D2 81077		11
D2 81078		16
D2 81079		88
D2 81080		16

YM 88-35

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-05664.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81081		<5
D2 81082		29
D2 81083		<5
D2 81084		27
D2 81085		7
D2 81086		55
D2 81087		36
D2 81088		344
D2 81089		60
D2 81090		339
D2 81091		49
D2 81092		116
D2 81093		52
D2 81094		39
D2 81095		76
D2 81096		309
D2 81097		93

YM 88-35

YM.88-36

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE. (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-5669

DATE Aug 19, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock/drill core samples

MARKED	oz/ton	%	%	%					
	Ag	Cu	Pb	Zn					
13243	1.10	1.44	1.02	36.5 → Below #35 Drill Pad 4" vein					
Im88-36 ^ 81098	0.03		0.01	0.90					
81099	0.26		0.17	6.70					
81100	0.08		0.11	0.15					
81101	0.05		0.05	0.15					
81102	0.09		0.14	0.07					
81103	0.02		0.04	0.04					
81104	L0.01		0.01	0.19					
81105	0.26		0.44	0.71					
81106	0.03		0.06	0.19					
81107	0.13		0.16	0.61					
81108	0.14		0.22	0.10					
81109	L0.01		0.03	0.14					
77389	0.01		0.01	0.04					
77390	0.14		0.17	0.38					
77391	0.26		0.32	0.16					
77392	0.21		0.26	0.88					
77393	0.45		0.16	0.85					
77394	0.04		0.12	0.13					
77395	0.10		0.10	0.58					

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Geochemical Lab Report

REPORT: V88-05669.0 | PROJECT: KETZA NV | PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81103		<5
D2 81104		11
D2 81105		35
D2 81106		14
D2 81107		87
D2 81108		<5
D2 81109		<5

YM 88-36

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Geochemical Lab Report

REPORT: V88-05681.0 | PROJECT: KET7A HV | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
D2 81110		8	<0.5	<50	<2	43	<4.0	<5	18	<5	<2	27
D2 81111		26										
D2 81112		41	3.2	67	<2	25	<4.0	<5	42	<5	<2	92
D2 81113		129										
D2 81114		185										
D2 81115		79										
D2 81116		22										
D2 81117		42										
D2 81118		40										
D2 81119		398										
D2 81120		57										
D2 81121		398										
D2 81122		131										
D2 81123		159										
D2 81124		125										
D2 81125		38										
D2 81126		663										
D2 81127		53										
D2 81128		51										
D2 81129		111										
D2 81130		20										
D2 81131		17										
D2 81132		403										
D2 81133		200										
D2 81134		14										
D2 81135		11										
D2 81136		6										
D2 81137		10										
D2 81138		8										
D2 81139		7										
D2 81140		12										
D2 81141		25										

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Geochemical Lab Report

REPORT: V88-05681.0 | PROJECT: KFTZA HV | PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
D2 81110		9	<2	<1	2	<5	<1	<1	83	<50	<5	<1.0
D2 81111												
D2 81112		47	2	2	<1	<5	2	5	285	<50	<5	<1.0
D2 81113												
D2 81114												
D2 81115												
D2 81116												
D2 81117												
D2 81118												
D2 81119												
D2 81120												
D2 81121												
D2 81122												
D2 81123												
D2 81124												
D2 81125												
D2 81126												
D2 81127												
D2 81128												
D2 81129												
D2 81130												
D2 81131												
D2 81132												
D2 81133												
D2 81134												
D2 81135												
D2 81136												
D2 81137												
D2 81138												
D2 81139												
D2 81140												
D2 81141												

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Geochemical Lab Report

REPORT: V88-05681.0 | PROJECT: KF17A HV | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	U PPM	W PPM	Y PPM	Zn PPM	Zr PPM
D2 81110		31	37	<10	<20	<20	1	<10	3	889	<1
D2 81111											
D2 81112		<30	10	<10	<20	<20	<1	<10	2	9405	<1
D2 81113											
D2 81114											
D2 81115											
D2 81116											
D2 81117											
D2 81118											
D2 81119											
D2 81120											
D2 81121											
D2 81122											
D2 81123											
D2 81124											
D2 81125											
D2 81126											
D2 81127											
D2 81128											
D2 81129											
D2 81130											
D2 81131											
D2 81132											
D2 81133											
D2 81134											
D2 81135											
D2 81136											
D2 81137											
D2 81138											
D2 81139											
D2 81140											
D2 81141											

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE. (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-5681

DATE Aug 23, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81111	0.61	0.87	0.91
81113	0.54	0.58	4.10
81114	0.50	0.70	2.28
81115	0.27	0.09	0.84
81116	0.08	0.20	0.16
81117	0.31	0.84	0.52
81118	0.38	0.71	0.92
81119	0.62	0.48	0.80
81120	0.35	0.50	1.14
81121	5.03	6.80	5.40
81122	1.12	1.61	0.62
81123	0.28	0.36	2.30
81124	0.19	0.27	1.02
81125	0.25	0.35	0.09
81126	3.41	1.90	1.27
81127	0.23	0.37	0.21
81128	0.20	0.38	0.11
81129	1.84	1.40	0.10
81130	0.77	1.69	0.03
81131	0.12	0.15	0.24

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5681 Pg. 2

DATE Aug 23, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81132	0.27	0.16	0.79
81133	0.28	0.05	0.84
81134	0.03	0.03	0.05
81135	0.79	1.37	0.16
81136	0.07	0.15	0.08
81137	0.02	0.01	0.02
81138	0.03	0.06	0.02
81139	0.02	0.03	0.01
81140	0.01	0.01	0.03
81141	0.15	0.02	0.02

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TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-6805

DATE Aug 31, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81142	0.06	0.06	0.36
81143	0.74	0.13	0.02
81144	0.04	0.04	0.02
81145	4.21	4.09	3.84
81146	0.79	2.25	0.35
81147	0.29	0.40	0.13
81148	0.12	0.05	0.19
81149	0.26	0.16	0.14
81150	0.08	0.18	0.03
81151	0.61	0.29	0.53
81152	0.06	0.05	0.07
81153	0.04	0.01	0.02
81154	0.10	0.08	2.84
81155	0.06	0.08	0.03
81156	0.12	0.24	0.19
81157	0.32	0.07	1.40
81158	5.91	8.60	4.79
81159	3.12	3.53	2.12
81160	0.68	0.45	5.70
81161	1.02	0.56	1.80

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REPORT: V88-06805.6

PROJECT: KEIZA NW PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Zn PCT
D2 81154		2.80

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TO Yukon Minerals Corp.

REPORT NO. W88-6805 Pg. 2

DATE Aug 31, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81162	0.88	1.03	6.70
81163	0.21	0.04	2.86
81165	0.29	0.03	0.90
81167	0.03	0.02	0.39
81168	0.14	0.21	0.14
81169	0.32	0.15	2.55
81170	0.59	0.70	0.19
81171	0.57	1.09	0.06
81172	1.01	0.87	0.24
81173	0.31	0.57	0.10
81174	0.07	0.14	0.15
81175	0.17	0.31	0.17
81176	0.25	0.45	0.09
81177	0.13	0.04	1.07
81178	0.21	0.04	0.98
81179	0.05	0.02	0.07
81180	0.11	0.15	0.10
81181	1.05	1.80	2.51
81182	0.10	0.14	0.33
81183	0.61	0.48	1.00

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-6805 Pg. 3

DATE Aug 31, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81184	0.04	0.03	0.15
81185	0.55	0.59	0.28
81186	0.12	0.14	0.28
81187	0.15	0.15	0.05
81188	0.18	0.21	0.10
81189	0.11	0.06	0.06
81190	0.02	0.02	0.08
81191	0.01	0.01	0.02
81192	0.02	0.01	0.02

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Geochemical Lab Report

REPORT: V88-06805.0 | PROJECT: KFT7A HV | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT	Cd PPM	Co PPM
D2 81142		15										
D2 81143		10										
D2 81144		26										
D2 81145		431										
D2 81146		42										
D2 81147		18										
D2 81148		38										
D2 81149		52										
D2 81150		7										
D2 81151		22										
D2 81152		22										
D2 81153		38										
D2 81154		11	0.7	2.29	<50	<2	>2000	<4.0	<5	>10.00	171	22
D2 81155		17	<0.5	0.89	<50	<2	476	<4.0	<5	>10.00	<1	54
D2 81156		21										
D2 81157		39										
D2 81158		965										
D2 81159		471										
D2 81160		49										
D2 81161		562										
D2 81162		493										
D2 81163		49										
D2 81164		7	1.8		<50	<2	107	<4.0	<5		13	<5
D2 81165		347										
D2 81166		34	3.2		66	<2	122	<4.0	<5		55	<5
D2 81167		18										
D2 81168		28										
D2 81169		42										
D2 81170		21										
D2 81171		8										
D2 81172		48										
D2 81173		101										
D2 81174		34										
D2 81175		74										
D2 81176		11										
D2 81177		34										
D2 81178		54										
D2 81179		91										
D2 81180		90										
D2 81181		79										

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Geochemical Lab Report

REPORT: V88-06805.0 | PROJECT: KFT7A IIV | PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cr PPM	Cu PPM	Fe PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM
D2 81142												
D2 81143												
D2 81144												
D2 81145												
D2 81146												
D2 81147												
D2 81148												
D2 81149												
D2 81150												
D2 81151												
D2 81152												
D2 81153												
D2 81154		11	16	138	1.92	13	1.03	4	9	4.92	1610	<5
D2 81155		<2	10	11	1.93	25	0.40	3	5	6.22	1238	<5
D2 81156												
D2 81157												
D2 81158												
D2 81159												
D2 81160												
D2 81161												
D2 81162												
D2 81163												
D2 81164		<2	60	197		<5		1	4			<5
D2 81165												
D2 81166		<2	47	63		<2		<1	3			<5
D2 81167												
D2 81168												
D2 81169												
D2 81170												
D2 81171												
D2 81172												
D2 81173												
D2 81174												
D2 81175												
D2 81176												
D2 81177												
D2 81178												
D2 81179												
D2 81180												
D2 81181												

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Geochemical Lab Report

REPORT: V88-06805.0

PROJECT: KFT7A HV PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM
D2 81142												
D2 81143												
D2 81144												
D2 81145												
D2 81146												
D2 81147												
D2 81148												
D2 81149												
D2 81150												
D2 81151												
D2 81152												
D2 81153												
D2 81154		<0.05	5	6	0.1	602	<50	<5	4	77	29	<10
D2 81155		<0.05	<1	10	<0.1	512	<50	<5	2	54	38	<10
D2 81156												
D2 81157												
D2 81158												
D2 81159												
D2 81160												
D2 81161												
D2 81162												
D2 81163												
D2 81164			<1	6		97	<50	7	<1	<30	50	<10
D2 81165												
D2 81166			<1	7		72	<50	8	<1	41	112	<10
D2 81167												
D2 81168												
D2 81169												
D2 81170												
D2 81171												
D2 81172												
D2 81173												
D2 81174												
D2 81175												
D2 81176												
D2 81177												
D2 81178												
D2 81179												
D2 81180												
D2 81181												

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Geochemical Lab Report

REPORT: V88-06805.0 | PROJECT: KFT7A HV | PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Te PPM	Ti PCT	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
D2 81142									
D2 81143									
D2 81144									
D2 81145									
D2 81146									
D2 81147									
D2 81148									
D2 81149									
D2 81150									
D2 81151									
D2 81152									
D2 81153									
D2 81154		<20	0.50	<20	54	92	10	>20000	34
D2 81155		<20	0.05	<20	14	<10	4	216	17
D2 81156									
D2 81157									
D2 81158									
D2 81159									
D2 81160									
D2 81161									
D2 81162									
D2 81163									
D2 81164		<20		<20	1	<10	3	1616	1
D2 81165									
D2 81166		<20		<20	<1	75	4	16639	1
D2 81167									
D2 81168									
D2 81169									
D2 81170									
D2 81171									
D2 81172									
D2 81173									
D2 81174									
D2 81175									
D2 81176									
D2 81177									
D2 81178									
D2 81179									
D2 81180									
D2 81181									

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Geochemical Lab Report

REPORT: V88-06805.0 | PROJECT: KFT7A HV | PAGE 2A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT	Cd PPM	Co PPM
D2 81182		46										
D2 81183		217										
D2 81184		19										
D2 81185		216										
D2 81186		23										
D2 81187		711										
D2 81188		77										
D2 81189		54										
D2 81190		6										
D2 81191		8										
D2 81192		14										

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YM88-39

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Geochemical Lab Report

REPORT: V88-06816.0 | PROJECT: KETZA HV | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Au PPB	Co PPM	Cr PPM	Cu PPM	Ni PPM	Ag PPM	As PPM	B PPM
D2 81193		17										
D2 81194			<15	10	10	33	11	74	42			
D2 81195		19										
D2 81196		5								<0.5	<50	<2
D2 81197		<5								<0.5	<50	<2
D2 81198		<5										
D2 81199		39										
D2 81200		40										
D2 81201		6										
D2 81202		29										
D2 81203		16										

YM88-39

YM88-40

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Geochemical Lab Report

REPORT: V88-06816.0 | PROJECT: KETZA HV | PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM	Ga PPM	La PPM	Li PPM
D2 81193												
D2 81194												
D2 81195												
D2 81196		63	<4.0	<5	<1	<236	<2	5	7	<125	<1	3
D2 81197		29	<4.0	<5	<1	<369	<2	1	2	<205	<1	3
D2 81198												
D2 81199												
D2 81200												
D2 81201												
D2 81202												
D2 81203												

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Geochemical Lab Report

REPORT: V88-06816.0 | PROJECT: KETZA HV | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM	Te PPM
D2 81193												
D2 81194												
D2 81195												
D2 81196		<5	<1	8	227	<50	<5	1.0	90	<23	<10	<20
D2 81197		<5	<1	3	32	<50	<5	<1.0	68	<16	<10	<20
D2 81198												
D2 81199												
D2 81200												
D2 81201												
D2 81202												
D2 81203												

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
D2 81193							
D2 81194							
D2 81195							
D2 81196		<20	4	<10	7	1148	<1
D2 81197		<20	3	<10	5	630	<1
D2 81198							
D2 81199							
D2 81200							
D2 81201							
D2 81202							
D2 81203							

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-6816

DATE Sept 8, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core/rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
81193	0.04	0.03	0.22	? ymeasn						
81195	0.44	1.10	0.05							
81198	0.01	L0.01	0.01							
81199	0.04	0.01	0.03							
81200	0.33	0.62	0.18	ym 88-42						
81201	0.19	0.33	0.17							
81202	0.69	1.16	0.20							
81203	0.13	0.11	1.34							
13245	1.04	0.07	17.3	Ruy						
13246	0.41	0.06	53.5	Ray						
13247	25.7	35.2	0.15	Viketi's	camp					
13248	86.1	85.0	0.98	Viketi	trench (belongs to Yukon Minerals)					

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TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-6825

DATE Sept 8, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81204	L0.01	0.02	0.01
81205	5.51	8.00	0.01
81207	0.08	0.03	0.03
81208	0.23	0.08	0.16
81209	L0.01	0.01	0.04
81210	0.49	0.51	0.45
81211	0.01	0.01	0.03
81212	0.73	1.13	1.76
81213	0.07	0.17	0.17
81214	L0.01	0.01	0.08

Ym 88-41

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Geochemical Lab Report

REPORT: V88-06825.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Au PPB	Co PPM	Cr PPM	Cu PPM	Ni PPM
D2 81204		27							
D2 81205		84							
D2 81206			<15	2	7	23	2	14	10
D2 81207		23							
D2 81208		154							
D2 81209		<5							
D2 81210		9							
D2 81211		<5							
D2 81212		78							
D2 81213		5							
D2 81214		<5							

YD188-41

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-6835

DATE Sept 8, 1988

Proj. KETZA H.V./KETZA REGIONAL

I hereby certify that the following are the results of analyses made by us upon the herein described drill core/rock samples

MARKED	oz/ton	%	%							
	Ag	Pb	Zn							
81215	0.03	0.03	0.03							
13378	0.25	1.66	12.8							
13379	55.0	83.0	0.17							

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	C PP
D2 81215	YM88-42	<5										
D2 81216		<5	<0.5	<50	<2	27	<4.0	<5	<1	<499	<2	<
D2 81217	YM88-43	170	<0.5	298	2	20	<4.0	<5	2	<228	3	<
D2 81218		<5	<0.5	<50	3	29	<4.0	<5	<1	<397	<2	<
R2 13378	STRAT ZONE	<5										
R2 13379	VEIN ZONE	10										

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REPORT: V88-06835.0 | PROJECT: KETZA | PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
D2 81215												
D2 81216		4	<279	<1	3	<5	<1	5	33	<50	<5	1.0
D2 81217		12	<120	<1	3	<5	<1	9	48	<50	<5	1.0
D2 81218		17	<219	<1	3	<5	<1	20	30	<50	<5	1.0
R2 13378												
R2 13379												

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Geochemical Lab Report

REPORT: V88-06835.0 | PROJECT: KETZA | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
D2 81215											
D2 81216		94	<83	<10	<20	<20	2	<10	4	43	1
D2 81217		90	<105	<10	<20	<20	4	<10	6	35	1
D2 81218		102	<82	<10	<20	<20	3	<10	6	30	1
R2 13378											
R2 13379											

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-6865

DATE Sept 13, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

MARKED	oz/ton Ag	% Pb	% Zn
81219	0.16	0.02	0.05
81220	0.08	0.02	0.06
81221	0.06	0.06	0.08
81222	0.08	0.03	0.06
81223	0.40	0.02	0.02
81224	0.22	0.02	0.05
81225	0.02	0.01	0.05
81226	0.02	0.01	0.09
81227	0.01	0.01	0.06
81228	0.06	0.03	0.04
81229	0.01	0.01	0.04
81230	L0.01	L0.01	0.03
81231	L0.01	L0.01	0.04
81232	L0.01	0.01	0.04
81233	L0.01	0.01	0.05
81234	0.05	0.03	0.04
81235	0.03	0.01	0.04
81236	0.09	0.04	0.01
81237	0.17	0.12	3.87
81238	0.17	0.03	0.04

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB
D2 81219		37
D2 81220		22
D2 81221		15
D2 81222		34
D2 81223		159
D2 81224		49
D2 81225		<5
D2 81226		<5
D2 81227		<5
D2 81228		28
D2 81229		<5
D2 81230		<5
D2 81231		<5
D2 81232		<5
D2 81233		<5
D2 81234		10
D2 81235		9
D2 81236		22
D2 81237		9
D2 81238		15

YM88-44

YM88-45

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Proj. KETZA H.V.

REPORT NO. W88-5669

DATE Aug 19, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock/drill core samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
13243	1.10	1.44	1.02	36.5						
Ym 88-36 81098	0.03		0.01	0.90						
81099	0.26		0.17	6.70						
81100	0.08		0.11	0.15						
81101	0.05		0.05	0.15						
81102	0.09		0.14	0.07						
81103	0.02		0.04	0.04						
81104	L0.01		0.01	0.19						
81105	0.26		0.44	0.71						
81106	0.03		0.06	0.19						
81107	0.13		0.16	0.61						
81108	0.14		0.22	0.10						
81109	L0.01		0.03	0.14						
77389	0.01		0.01	0.04						
77390	0.14		0.17	0.38						
77391	0.26		0.32	0.16						
77392	0.21		0.26	0.88						
77393	0.45		0.16	0.85						
77394	0.04		0.12	0.13						
77395	0.10		0.10	0.58						

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REPORT NO. W88-5669 Pg. 2

DATE Aug 19, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
77396	0.06	0.07	0.40
77397	0.13	0.08	0.15
77398	30.5	24.5	0.81
77399	0.08	0.10	0.06
77400	0.06	0.07	0.05
77421	0.06	0.03	0.10
77422	0.06	0.06	0.03
77423	0.15	0.22	0.03
77452	0.01	0.02	0.10
77453	0.06	0.13	0.27
77454	0.06	0.08	0.41
77455	0.18	0.06	0.62
77456	0.06	0.10	0.10
77457	0.63	0.35	1.48
77458	0.10	0.07	0.23
77459	0.07	0.08	0.09
77460	0.17	0.18	1.32
77461	0.05	0.03	0.12
77462	0.03	0.03	0.22
77463	0.08	0.15	0.17

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REPORT NO. W88-5669 Pg. 3

DATE Aug. 19, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
77464	0.58	0.19	0.63
77465	0.47	0.67	0.47
77466	0.06	0.04	0.82
77467	0.34	0.62	0.33
77468	0.64	0.74	0.39
77469	0.42	0.65	0.50
77470	0.01	0.01	0.03
77471	0.01	0.02	0.07
77472	3.21	5.66	5.51
77473	0.37	0.61	1.99
77474	0.41	0.60	0.55
77475	0.27	0.34	0.33
77476	0.42	0.55	0.79
77477	1.75	2.45	2.36
77478	8.37	7.00	0.41
77479	0.36	0.38	0.09
77480	0.93	0.53	0.83
77481	0.03	0.04	0.12
77482	2.08	1.19	0.88
77483	0.30	0.27	0.42

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REPORT NO. W88-5669 Pg. 4

DATE Aug 19, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
77484	1.81	1.56	1.05
77485	0.06	0.11	0.11
77486	0.15	0.19	0.14
77487	1.63	0.58	10.1
77488	0.06	0.03	0.35
77489	0.02	0.01	0.05
77490	0.54	0.08	0.51
77491	0.07	0.01	0.08
77492	0.06	0.01	0.19
77493	0.26	0.05	0.60
77494	0.04	L0.01	0.04
77495	0.08	0.03	0.12
77496	0.46	0.09	0.35
77497	0.05	0.01	0.05
77498	0.01	L0.01	0.07
77499	0.04	0.04	0.12
77500	0.05	0.04	0.16
78001	0.19	0.15	0.31
78002	0.72	1.10	1.52
78003	0.06	0.11	0.11

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REPORT NO. W88-5669 Pg. 5

DATE Aug 19, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
78004	7.07	7.45	3.15
78005	0.30	0.41	0.26
78006	0.07	0.09	0.09
78007	0.07	0.07	0.11
78008	1.55	2.28	2.58
78009	0.02	0.02	0.05
78010	0.04	0.08	0.06

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77389		5	R2 77477		321
R2 77390		6	R2 77478		200
R2 77391		48	R2 77479		45
R2 77392		63	R2 77480		451
R2 77393		462	R2 77481		9
R2 77394		14	R2 77482		286
R2 77395		38	R2 77483		71
R2 77396		23	R2 77484		1078
R2 77397		61	R2 77485		16
R2 77398		1013	R2 77486		48
R2 77399		<5	R2 77487		1602
R2 77400		5	R2 77488		10
R2 77421		42	R2 77489		16
R2 77422		<5	R2 77490		581
R2 77423		16	R2 77491		73
R2 77452		<5	R2 77492		36
R2 77453		45	R2 77493		972
R2 77454		168	R2 77494		47
R2 77455		78	R2 77495		122
R2 77456		48	R2 77496		1122
R2 77457		741	R2 77497		154
R2 77458		25	R2 77498		<5
R2 77459		6	R2 77499		31
R2 77460		12	R2 77500		6
R2 77461		8	R2 78001		62
R2 77462		7	R2 78002		75
R2 77463		40	R2 78003		16
R2 77464		111	R2 78004		429
R2 77465		366	R2 78005		72
R2 77466		18	R2 78006		88
R2 77467		13	R2 78007		56
R2 77468		40	R2 78008		1545
R2 77469		43	R2 78009		26
R2 77470		<5	R2 78010		39
R2 77471		<5	D2 13243		53
R2 77472		364	D2 81098		18
R2 77473		356	D2 81099		123
R2 77474		34	D2 81100		51
R2 77475		26	D2 81101		<5
R2 77476		35	D2 81102		5

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REPORT: V88-05669.6

PROJECT: KLIZA HV PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 77398		0.029 → A 2.
R2 77484		0.029)
R2 77487		0.046 ; B 2.
R2 77496		0.041)
R2 78008		0.045 → A 2.

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-5667

DATE Aug 16, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77388	0.13	0.23	0.30	→ N 2						
77407	0.13	0.17	0.52							
77408	0.03	0.05	0.09							
77409	0.07	0.08	0.12							
77410	0.03	0.03	0.13							
77411	0.04	0.03	0.31							
77412	0.49	0.40	1.04							
77413	1.74	2.92	1.65							
77414	3.98	4.92	3.88							
77415	2.90	3.71	10.85							
77416	0.67	0.26	8.37							
77417	1.37	1.84	3.66							
77418	6.18	9.38	1.45							
77419	2.31	4.50	0.70							
77420	0.99	2.15	0.43							
77426	0.38	0.40	0.48							
77427	1.03	2.85	3.11							
77428	0.29	0.27	0.50							
77429	0.21	0.18	0.36							
77430	1.87	2.46	0.34							

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TO Yukon Minerals Corp.

REPORT NO. W88-5667 Pg. 2

DATE Aug 16, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
77431	0.10	0.12	0.19
77432	0.05	0.05	0.24
77436	0.23	0.28	0.34
77437	0.07	0.07	0.21
77438	0.06	0.04	0.11
77439	0.15	0.16	0.53
77440	0.30	0.36	0.59
77441	0.20	0.24	0.41
77442	0.08	0.06	0.15
77443	0.02	0.02	0.07
77444	0.11	0.06	0.82
77445	0.02	0.02	0.09
77446	0.16	0.23	0.28
77447	0.07	0.08	0.47
77448	0.08	0.09	0.97
77449	0.80	0.97	0.52
77450	1.07	1.22	0.55
77451	0.10	0.07	0.16

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
R2 77388		68	→ 1st Trench #2
R2 77407		44	
R2 77408		9	
R2 77409		13	
R2 77410		18	
R2 77411		7	
R2 77412		169	
R2 77413		109	
R2 77414		240	
R2 77415		179	No 3 Highgrade Trench
R2 77416		35	
R2 77417		53	
R2 77418		85	
R2 77419		24	
R2 77420		6	
R2 77426		37	
R2 77427		219	
R2 77428		49	
R2 77429		34	
R2 77430		92	No. 3 Vein Trench
R2 77431		45	
R2 77432		10	
R2 77436		15	
R2 77437		10	
R2 77438		11	
R2 77439		42	
R2 77440		50	
R2 77441		44	No. 3 Vein Trench
R2 77442		7	
R2 77443		<5	
R2 77444		9	
R2 77445		<5	
R2 77446		34	
R2 77447		<5	No. 3 Vein Trench
R2 77448		<5	
R2 77449		24	
R2 77450		<5	
R2 77451		<5	

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V[illegible] 2R5
( ) 985-0681 Telex 04-352667

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Geochemical Lab Report

REPORT: V88-05654.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77080		63	R2 77274		50
R2 77081		87 } 60	R2 77275		260
R2 77127		71 → 65	R2 77276		516
R2 77158		51	R2 77277		197
R2 77159		147	R2 77278		321 } Line 3
R2 77160		25 } 75	R2 77279		359
R2 77161		20	R2 77280		18
R2 77162		58	R2 77281		124
R2 77163		12	R2 77282		552
R2 77164		23 → 80	R2 77283		141
R2 77204		59	R2 77284		150 Line 4
R2 77205		17	R2 77285		764
R2 77206		114 } 85	R2 77286		1044
R2 77207		142	R2 77287		340
R2 77208		140	R2 77288		122
R2 77209		50	R2 77289		86
R2 77211		64	R2 77290		80
R2 77212		29	R2 77291		253
R2 77213		20	R2 77292		924 Line 5
R2 77214		16 } 80 No 3 Zone	R2 77293		1008
R2 77215		50	R2 77294		130
R2 77246		60 → 100	R2 77295		78
R2 77248		58 → 105	R2 77296		86
R2 77257		11	R2 77297		439
R2 77258		10 No 2 Zone	R2 77298		172
R2 77259		17 Line 1	R2 77299		109
R2 77260		64	R2 77300		266 Line 6
R2 77261		277	R2 77301		683
R2 77262		311	R2 77302		520
R2 77263		13	R2 77303		90
R2 77264		13	R2 77304		14
R2 77265		19	R2 77305		6
R2 77266		12	R2 77306		63
R2 77267		529 } Line 2	R2 77307		168
R2 77268		389	R2 77308		415 Line 1
R2 77269		261	R2 77309		209
R2 77270		252	R2 77310		522
R2 77271		388	R2 77311		585
R2 77272		11 ? Line 3	R2 77312		976
R2 77273		13	R2 77313		64

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Geochemical Lab Report

[illegible] Value Area

PROJECT: K-T.A PAGE 1

SAMPLE	ELEMENT	AU
[illegible]	UNITS	OPT
[illegible] 77141	77148	0.002 → No. 3 75
[illegible] 77241	77241	0.045 → 100

No 3 Surface

plotted Aug 25 [illegible]

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Geochemical Lab Report

REPORT: V88-05630.0 | PROJECT: NONE GIVEN | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77076		72
R2 77077		53
R2 77078		178
R2 77088		49
R2 77089		24
R2 77090		500
R2 77091		263
R2 77092		78
R2 77093		668
R2 77094		12
R2 77095		9
R2 77096		13
R2 77097		148
R2 77098		10
R2 77099		6
R2 77100		68
R2 77101		84
R2 77102		56
R2 77103		336
R2 77104		54
R2 77105		51
R2 77106		83
R2 77107		10
R2 77108		20
R2 77124		62
R2 77125		130
R2 77126		194
R2 77129		132
R2 77130		63
R2 77131		188
R2 77132		481
R2 77133		555
R2 77134		26
R2 77135		73
R2 77136		13
R2 77137		9
R2 77138		96
R2 77139		74
R2 77140		403
R2 77141		177
R2 77142		29
R2 77143		28
R2 77144		16
R2 77165		114
R2 77166		117
R2 77167		156
R2 77168		19
R2 77169		249
R2 77170		175
R2 77171		650
R2 77172		746
R2 77173		718
R2 77174		228
R2 77175		16
R2 77176		67
R2 77177		339
R2 77178		73
R2 77179		55
R2 77180		96
R2 77181		22
R2 77182		430
R2 77183		246
R2 77184		1583
R2 77185		1394

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Geochemical Lab Report

REPORT: V88-05641.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77079		72	R2 77190		27
R2 77082		31	R2 77191		33
R2 77083		95	R2 77192		64
R2 77084		16	R2 77193		610
R2 77085		33	R2 77194		555
R2 77086		13	R2 77195		84
R2 77087		13	R2 77196		51
R2 77109		21	R2 77197		23
R2 77110		728	R2 77198		386
R2 77111		203	R2 77199		16
R2 77112		28	R2 77200		68
R2 77113		660	R2 77201		79
R2 77114		38	R2 77202		48
R2 77115		25	R2 77203		73
R2 77116		44	R2 77210		26
R2 77117		48	R2 77216		16
R2 77118		14	R2 77217		22
R2 77119		50	R2 77218		16
R2 77120		62	R2 77219		46
R2 77121		123	R2 77220		184
R2 77122		425	R2 77221		42
R2 77123		100	R2 77222		12
R2 77128		11	R2 77223		15
R2 77145		24	R2 77224		23
R2 77146		47	R2 77225		10
R2 77147		28	R2 77226		26
R2 77148		13	R2 77227		432
R2 77149		13	R2 77228		71
R2 77150		362	R2 77229		340
R2 77151		206	R2 77230		229
R2 77152		312	R2 77231		55
R2 77153		69	R2 77232		185
R2 77154		165	R2 77233		47
R2 77155		159	R2 77234		9
R2 77156		158	R2 77235		20
R2 77157		89	R2 77236		81
R2 77186		5	R2 77237		121
R2 77187		25	R2 77238		102
R2 77188		259	R2 77239		34
R2 77189		161	R2 77240		20

duplicate

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Geochemical Lab Report

REPORT: V88-05641.0 | PROJECT: KETZA | PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77241		1461			
R2 77242		157			
R2 77243		27			
R2 77244		34			
R2 77245		961			
R2 77247		62			
R2 77248		40			
R2 77249		115			
R2 77250		164			
R2 77251		125			
R2 77252		114			
R2 77253		270			
R2 77254		28			
R2 77255		20			
R2 77256		102			

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Geochemical Lab Report

REPORT: V88-05641.0 | PROJECT: KETZA | PAGE 1

Zone No. 3 Surface

SAMPLE NUMBER	ELEMENT UNITS	Au PPB		SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
R2 77079		72		R2 77190		27	
R2 77082		31		R2 77191		33	
R2 77083		95		R2 77192		64	
R2 77084		16		R2 77193		610	
R2 77085		33	16	R2 77194		555	
R2 77086		13		R2 77195		84	
R2 77087		13		R2 77196		51	
R2 77109		21		R2 77197		23	0+90
R2 77110		728		R2 77198		386	
R2 77111		203		R2 77199		16	
R2 77112		28		R2 77200		68	
R2 77113		660		R2 77201		79	
R2 77114		38		R2 77202		48	
R2 77115		25		R2 77203		73	
R2 77116		44	45	R2 77210		26 → 85	
R2 77117		48		R2 77216		16 → 80	
R2 77118		14		R2 77217		22	
R2 77119		50		R2 77218		16	
R2 77120		62		R2 77219		46	
R2 77121		123	41	R2 77220		184	
R2 77122		425		R2 77221		42	
R2 77123		100		R2 77222		12	
R2 77128		11 → 65		R2 77223		15	95
R2 77145		24		R2 77224		23	
R2 77146		47		R2 77225		10	
R2 77147		28		R2 77226		26	
R2 77148		1033	— ?	R2 77227		432	
R2 77149		13		R2 77228		71	
R2 77150		362		R2 77229		340	
R2 77151		206	75	R2 77230		229	
R2 77152		312		R2 77231		55	
R2 77153		69		R2 77232		185	
R2 77154		165		R2 77233		47	
R2 77155		159		R2 77234		9	
R2 77156		158		R2 77235		20	
R2 77157		89		R2 77236		81	135
R2 77186		5		R2 77237		121	
R2 77187		25		R2 77238		102	
R2 77188		259	90	R2 77239		34	
R2 77189		161		R2 77240		20	

Plotted Avg

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REPORT: V88-05641.6 | PROJECT: KEIZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 77241		0.045

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Geochemical Lab Report

REPORT: V88-05641.0 | PROJECT: KETZA | PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB		SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77241		1461				
R2 77242		157				
R2 77243		27	1+00 No. 3 Zone Soil			
R2 77244		34				
R2 77245		961				
R2 77247		62				
R2 77248		40				
R2 77249		115				
R2 77250		164				
R2 77251		125				
R2 77252		114	1+05 No 3 Zone Soil			
R2 77253		270				
R2 77254		28				
R2 77255		20				
R2 77256		102				

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REPORT: V88-05630.6

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 77184		0.051
R2 77185		0.047

0.85
No 3 Zone Silt.

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TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-5620

DATE July 30, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn						
77063	0.09	L0.01	0.03	0.06		LINE 0+65N				
77064	L0.01	L0.01	0.02	0.08						
77065	0.05	L0.01	0.05	0.40						
77066	62.0	0.10	78.4	0.39	0.35m					
77067	2.70	0.09	2.29	8.12	1.90m	5.00m	@	5.52 Ag	6.44 Pb	6.08 Zn.
77068	0.42	0.07	0.25	6.03	1.45m					
77069	0.14	0.03	0.03	4.70	1.30m					
77070	0.04	L0.01	0.02	1.28	1.60m					
77071	L0.01	L0.01	0.01	0.37						
77072	0.05	L0.01	0.06	0.17		LINE 0+60N				
77073	0.09	L0.01	0.11	0.20	1.50m					
77074	5.99	0.15	5.20	2.30	0.90m	6.1?m	@	2.76 Ag	3.07 Pb	4.13 Zn
77075	3.05	0.18	3.05	5.77	1.65m					

#3

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TO Yukon Minerals Corp.
(B. Fowler)

REPORT NO. W88-5630

DATE Aug 3, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn					
77076	3.32	5.07	3.25	1.30m		LINE	0+60N	
77077	0.63	0.66	2.10	1.15				
77078	1.27	1.54	6.35	1.10				
77088	0.10	0.06	0.16	[illegible]	0.85m	LINE	0+55N	
77089	0.07	0.11	0.13	[illegible]	1.30			
77090	0.96	1.92	1.49	[illegible]	1.45			
77091	0.29	0.34	0.73	[illegible]	1.50			
77092	0.93	0.81	0.88	[illegible]	1.35			
77093	8.65	9.20	1.95	[illegible]	1.30			
77094	0.13	0.17	0.25		1.00			
retake → 77095	0.16	0.31	0.09		1.65	5.95m	2.33 Ag	2.2 Pb [illegible] Zn
retake → 77096	0.98	1.30	6.72		0.60m			
77097	1.19	0.27	13.5		1.40			
77098	0.03	0.01	3.81		1.75			
77099	0.01	0.03	0.08		1.35			
77100	0.08	0.07	0.11		2.00	LINE	0+50N	
77101	0.09	0.08	2.85		1.70			
77102	0.08	0.09	0.47		2.35			
77103	2.99	5.70	1.61		0.45			
77104	0.26	0.36	0.94		2.50		3.85m	0.84 Ag

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[signature]

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TO Yukon Minerals Corp.

REPORT NO. W88-5630 Pg. 2

DATE Aug 3, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described .....rock..... samples

MARKED	oz/ton Ag	% Pb	% Zn							
77105	1.40	2.18	0.26		0.90m		LINE 0+50N (cont.)			
77106	0.50	0.33	1.12		1.70					
77107	0.17	0.32	0.08		1.50					
77108	0.07	0.05	0.07		1.45					
77124	1.37	2.45	0.76			1.45	LINE 0+65N			
77125	1.21	2.74	1.33			1.50				
77126	0.34	0.43	0.93			1.40				
77129	0.14	0.08	0.23			1.45	LINE 0+70N			
77130	0.09	0.04	0.21			1.75				
77131	1.79	1.93	8.00			1.40				
77132	5.25	7.53	6.95			1.45				
77133	2.78	3.63	4.90			1.35		0.45m	1.55 oz/t	2.12 Pb + 22 Zn
77134	0.19	0.27	1.97			1.45				
77135	0.12	0.02	2.38			1.85				
77136	0.08	0.10	0.60			1.05				
77137	0.22	0.03	4.60			0.90				
77138	0.07	0.01	1.39			1.80				
77139	0.15	0.13	1.28			1.80				
77140	3.79	5.49	0.87			0.80			5.85 m(4)	.37/t [illegible]
77141	0.51	0.62	0.35			2.05				

Pulps
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TO Yukon Minerals Corp.

REPORT NO. W88-5630 Pg. 3

DATE Aug 3, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77142	2.52	4.30	1.01		1.10 m			2 EUS	3.0 (+)	LINE 0+70 N
77143	0.76	1.28	1.51		1.20					1.35 Ag 2.09 Pb 7.16 Zn
77144	0.52	0.03	13.0		0.70					
77165	4.37	0.92	0.56		1.40			L - 0+30 N		
77166	0.16	0.15	0.28		1.60					
77167	0.66	0.30	7.10		0.60					
77168	0.13	0.14	1.39		2.50					
77169	0.65	0.88	0.23		1.10		8.15m	4.77		6.6 3.8
77170	0.70	0.76	0.15		1.85					
77171	7.76	9.65	7.10		1.45					
77172	2.72	3.59	3.51		1.10		of 5.2 m			
77173	8.62	12.5	0.92		1.05					
77174	8.57	10.0	6.50		~~1.60~~	1.80				
77175	0.09	0.06	0.07		1.75			L - 0+35 N		
77176	0.14	0.03	0.03		1.05					
77177	0.93	1.45	0.42		1.15					
77178	0.19	0.41	0.32		1.75					
77179	0.05	0.07	0.26		1.50					
77180	0.11	0.06	0.35		0.70					
77181	0.05	0.04	1.65		1.60					

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REPORT NO. W88-5630 Pg. 4

DATE Aug 3, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77182	1.04	1.32	2.10		1.30m					
77183	1.90	4.05	0.47		0.70					
77184	1.27	0.87	0.09		2.40		4.40m 2.09 Ag 2.82 Pb Zn			
77185	3.40	3.06	0.07		1.30					

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Proj. KETZA

REPORT NO. W88-5641

DATE Aug 7, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77079	0.22	0.14	3.83		2.15m		L-0+60N			
77082	0.57	1.08	0.15		1.20					
77083	0.27	0.59	0.09		1.05					
77084	0.08	0.08	0.10		1.80					
77085	0.03	0.02	0.10		1.55					
77086	0.03	0.04	0.03		2.00					
77087	0.03	0.02	0.08		1.85					
77109	0.05	0.04	0.11		1.00m		L-0+45N			
77110	0.98	0.30	1.56		0.80m					
77111	0.83	1.05	0.76		1.45					
77112	0.32	0.53	0.69		1.80					
77113	21.3	23.4	3.87		0.85		4.85m 389.4g 429 Ft 1.76 oz			
77114	0.35	0.48	0.55		1.30					
77115	0.09	0.08	0.62		1.30					
77116	0.15	0.15	0.93		1.40					
77117	0.39	0.44	1.00		2.00					
77118	0.07	0.13	0.22		1.30					
77119	0.14	0.13	0.17		1.[illegible]					
77120	0.54	0.05	3.41							
77121	0.83	1.45	0.77							

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TO Yukon Minerals Corp.

REPORT NO. W88-5641 Pg. 2

DATE Aug 7, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77122	0.70	1.09	1.47		1.35	LINE 0-4 N				
77123	1.82	2.40	1.85		1.20					
77128	0.10	0.10	0.15		1.80					
77145	0.06	0.10	0.22		1.00					
77146	0.15	0.09	0.49		1.25					
77147	0.04	0.02	0.11		1.05	LINE 0-75 N				
77148	0.06	0.09	0.14		1.55					
77149	0.16	0.27	0.86		1.30					
77150	4.83	4.54	0.43		.50					
77151	1.72	2.90	2.43		1.20					
77152	2.34	3.60	2.31		0.55					
77153	0.26	0.32	2.05		.65					
77154	0.36	0.47	3.84		0.85					
77155	1.12	1.80	2.07		1.70					
77156	1.60	3.20	2.55		1.50					
77157	0.21	0.40	0.68		1.65					
77186	0.03	0.01	0.03		2.80					
77187	0.10	0.20	0.06		.55					
77188	0.57	0.94	0.63		1.30					
77189	0.16	0.09	0.43		.90					

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5641 Pg. 3

DATE

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77190	0.06	0.06	0.12		2.25					
77191	0.10	0.13	0.11		1.85					
77192	0.07	0.04	1.07		2.45					
77193	10.7	4.99	1.02		1.85					
77194	6.40	3.38	1.96		1.40					
77195	0.36	0.34	3.73		0.80					
1.0% resample → 77196	0.16	0.14	0.51		1.90					
1.0% resample → 77197	0.07	0.05	0.78		1.70					
77198	1.53	2.19	3.37		0.90					
77199	0.05	0.06	0.13		1.50					
15% Pbs 7% Pbs → 77200	0.73	0.88	0.70		1.90					
77201	8.31	11.5	0.62		1.60					

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5641 Pg. 3

DATE Aug 7, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77190	0.06	0.06	0.12							
77191	0.10	0.13	0.11							
77192	0.07	0.04	1.07							
77193	10.7	4.99	1.02		1.85m		4.05m	7.17 Ag 3.51 Pb 1.38 Zn		
77194	6.40	3.38	1.96		1.40					
77195	0.36	0.34	3.73		0.80					
77196	0.16	0.14	0.51							
77197	0.07	0.05	0.78							
77198	1.53	2.19	3.37							
77199	0.05	0.06	0.13							
77200	0.73	0.88	0.70							
77201	8.31	11.5	0.62		1.60m		L 0+90N (Zeus Vein)	42m @ 7.11 Ag 9.65 Pb [illegible] Zn		
77202	3.64	4.86	2.95		1.25m					
77203	8.90	11.9	0.97		1.35					
77210	0.38	0.67	0.23		1.20m		L 0+55N			
77216	0.50	0.72	0.49		1.15m		L 0+80N			
77217	0.05	0.05	0.13		3.80m		L 0+95N			
77218	0.02	0.02	0.09		1.86					
77219	0.17	0.18	0.59		1.82					
77220	0.27	0.23	0.64		2.05					

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5641 Pg. 4

DATE Aug 7, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77221	0.06	0.07	0.42		0.95 m		L-0+95N			
77222	0.02	0.02	0.13		1.43					
77223	0.03	0.05	0.41		1.84					
77224	0.05	0.08	0.47		1.85					
77225	0.02	0.03	0.08		2.08					
77226	0.50	0.52	0.73		1.52					
77227	8.12	7.50	5.61		0.95					
77228	1.09	0.82	1.65		2.22		6.08 m @ 6.60 Ag 7.02 Pb 4.11 Zn			
77229	17.5	19.5	4.46		1.46					
77230	8.06	3.66	6.54		1.45					
77231	0.09	0.07	0.43		1.95		L-1+00N			
77232	0.14	0.04	0.28		1.25					
77233	0.03	0.03	0.21		1.60					
77234	0.08	0.07	0.17		1.21					
77235	0.08	0.05	0.41		1.36					
77236	1.79	2.80	0.28		1.87					
77237	1.58	2.62	0.72		1.30					
77238	1.22	1.82	0.74		1.13					
77239	0.50	0.76	1.61		0.53					
77240	0.14	0.17	2.42		1.76					

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-5654

DATE Aug. 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn	
77080	0.08	0.04	0.81	L- 0+60 N
77081	0.08	0.03	1.01	
77127	0.06	0.03	0.14	L-0+65 N
77158	0.05	0.05	0.15	
77159	1.18	1.74	0.55	
77160	0.67	1.31	0.56	L-0+75 N
77161	0.86	1.67	0.72	
77162	0.68	1.24	0.41	
77163	2.59	2.85	0.21	
77164	0.06	0.05	0.04	L-0+80 N
77204	0.47	0.82	1.45	
77205	0.05	0.04	1.90	
77206	0.37	0.55	0.83	L-0+85 N
77207	0.42	0.61	2.23	
77208	4.80	7.04	3.04	
77209	0.45	0.77	0.98	
77211	0.42	0.68	3.20	
77212	1.13	1.85	0.83	
77213	0.86	1.62	0.13	L-0+80 N
77214	0.59	1.07	0.26	

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. WH-5654 Pg. 2

DATE Aug 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

	MARKED	oz/ton Ag	% Pb	% Zn	
№3 Zone	77215	3.66	4.41	1.39	L-0+80N
	77246	0.20	0.28	2.10	L-1+00N
	77248	0.13	0.13	0.45	L-1+05N
	77257	0.38	0.08	0.55	
	77258	0.05	0.01	0.12	
	77259	0.07	0.02	0.65	
	77260	0.14	0.06	2.12	
	77261	1.04	1.18	1.59	
№2 Zone	77262	1.81	2.44	2.00	
	77263	0.04	0.04	0.16	
	77264	0.05	0.02	0.18	
	77265	0.04	0.01	0.95	
	77266	0.07	0.06	1.92	
(SE №2 Zone FOR ORIGINAL)	77267	5.00	7.85	4.97	
	77268	2.46	3.05	9.60	
	77269	0.62	0.52	0.95	
	77270	0.14	0.09	0.15	
	77271	0.19	0.06	0.43	
	77272	0.10	0.03	0.38	
	77273	0.05	0.03	0.43	

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5641 Pg. 5

DATE Aug 7, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77241 ✓	19.0	22.3	7.57		1.22 m	L-	1+00N		6.02m	6.60Ag 8.87Pb 3.97Zn
77242 ✓	4.61	8.08	3.10		1.59					
3%Pbs → 77243	0.41	0.63	0.65		1.61					
3% → 77244 ✓	0.15	0.08	6.18		1.15					
77245 ✓	18.6	27.2	3.50		0.45					
77247	0.44	0.46	0.77		1.10	L-	1+05N			
77248	0.11	0.09	0.41		1.80					
77249	0.42	0.09	0.30		2.85					
77250	0.73	0.14	0.80		1.40					
10%Pbs → 77251	0.69	0.96	3.04		1.50					
6% 77252	0.62	1.20	1.18		1.85					
5% 77253	0.72	0.19	4.13		1.95					
3% 77254	0.19	0.30	0.68		1.15					
77255	0.15	0.10	1.68		1.80					
6%Pbs 77256	0.98	0.09	8.80		0.60					

BONDAR-CLEGG & COMPANY LTD.

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-05620.0

PROJECT: KETZA PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
R2 77063		5	
R2 77064		8	
R2 77065		17	
R2 77066		36	
R2 77067		217	
R2 77068		53	0+65 No. 3 Zone Surface
R2 77069		66	
R2 77070		36	
R2 77071		30	
R2 77072		27	
R2 77073		44	0+60 No. 3 Zone
R2 77074		306	
R2 77075		173	

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130 Pemberton Ave.
North Vancouver, B.C.
[illegible] 2R5
[illegible], 985-0681 Telex 04-352667

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Geochemical Lab Report

REPORT: V88-06804.0

PROJECT: KETZA HV

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 78011		15	R2 78068		17
R2 78012		19	R2 78069		195
R2 78013		77	R2 78080		97
R2 78014		12	R2 78111		146
R2 78015		43	R2 78112		32
R2 78016		11	R2 78113		21
R2 78017		25	R2 78114		77
R2 78018		29	R2 78115		132
R2 78019		61	R2 78116		468
R2 78020		<5	R2 78117		138
R2 78021		<5	R2 78118		21
R2 78022		6	R2 78119		35
R2 78023		11	R2 78120		86
R2 78024		8	R2 78121		26
R2 78025		19	R2 78122		10
R2 78026		79	R2 78123		288
R2 78027		20	R2 78124		60
R2 78028		36	R2 78125		109
R2 78029		38	R2 78126		155
R2 78030		<5	R2 78127		73
R2 78031		6	R2 78128		17
R2 78032		6	R2 78129		25
R2 78033		5	R2 78130		88
R2 78034		9	R2 78131		8
R2 78035		13	R2 78132		413
R2 78036		14	R2 78133		174
R2 78037		8	R2 78134		19
R2 78038		<5	R2 78135		116
R2 78039		13	R2 78136		142
R2 78040		19	R2 78137		19
R2 78041		221	R2 78138		39
R2 78042		58	R2 78139		10
R2 78043		81	R2 78140		14
R2 78052		13	R2 78141		15
R2 78053		10	R2 78142		81
R2 78054		14	R2 78143		13
R2 78055		17	R2 78157		133
R2 78056		9	R2 78158		172
R2 78057		13	R2 78159		24
R2 78058		7	R2 78160		39

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North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-06804.0

PROJECT: KETZA HV

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 78163		14			
R2 78164		136			
R2 78165		8			
R2 78166		280			
R2 78167		35			
R2 78168		38			

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-6804

DATE Aug 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag	% Pb	% Zn							
N 3 [illegible]	78011	0.05	0.03	0.59	77196	checks					Resampling.
	78012	0.08	0.09	0.72	77197	checks					
	78013	0.48	0.54	2.88	77198	lower					
	78014	0.18	0.21	0.12	77199	checks					
	78015	3.37	3.80	0.67	77200	much higher checks					
	78016	0.10	0.14	0.09	77095						
	78017	0.70	0.87	6.40	77096	checks					
	78018	0.14	0.17	0.64	77115	checks					
	78019	0.23	0.27	0.95	77116	checks					
"Delta"	78020	0.10	0.18	0.08	line 0 to m						
	78021	0.01	0.01	0.02							
	78022	0.17	0.09	0.32							
	78023	0.31	0.30	0.57							
	78024	0.32	0.42	0.59							
	78025	0.19	0.52	0.11							
	78026	0.39	0.65	1.09							
	78027	0.08	0.12	0.30							
	78028	0.45	0.25	2.46							
	78029	0.30	0.79	0.72							
	78030	0.13	0.35	0.14	line 0+5m						

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[signature]

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-6804 Pg. 2

DATE Aug 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn	
78031	0.12	0.22	0.17	Line 0+5m (cont.)
78032	0.10	0.18	0.08	
78033	0.21	0.35	1.28	
78034	0.15	0.20	0.14	
78035	0.90	1.38	1.33	
78036	0.32	0.48	0.92	
78037	0.12	0.23	0.23	
78038	0.48	1.02	0.08	
78039	0.10	0.09	0.33	
78040	0.30	0.26	1.69	
78041	10.2	13.3	3.56	
78042	1.12	1.67	2.80	
78043	3.89	5.58	3.63	
78052	1.16	1.62	1.57	Line 0+10m
78053	0.86	1.90	2.44	
78054	0.30	0.37	1.06	
78055	0.52	0.67	1.91	
78056	0.18	0.20	1.43	
78057	1.15	1.58	1.29	
78058	0.25	0.56	0.54	

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-6804 Pg. 3

DATE Aug 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag	% Pb	% Zn	
	78068	0.62	0.61	1.96	Line 0+15m
	78069	11.4	20.8	1.43	
	78080	14.2	23.2	6.33	Line 0+20m
#3	78111	1.57	1.80	0.15	L-0+41N
	78112	0.36	0.52	0.61	
plotted	78113	0.17	0.15	1.32	
ZEUS	78114	0.28	0.20	6.79	L-1+10N
	78115	1.10	1.67	7.27	
	78116	1.54	1.71	6.77	
	78117	2.66	4.54	1.19	
	78118	0.12	0.21	0.86	
	78119	0.12	0.15	0.26	
	78120	0.27	0.28	2.34	L-1+15N
	78121	0.19	0.26	0.88	
	78122	0.09	0.21	0.12	
	78123	0.53	0.95	4.70	L-1+20N
	78124	0.43	0.41	1.88	
	78125	0.48	0.64	4.30	L-1+25N
	78126	0.77	1.00	1.31	
	78127	3.79	4.25	5.81	L-1+30N

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-6804 Pg. 4

DATE Aug 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
78128	0.39	0.58	0.27							
78129	0.14	0.15	1.20	L-1+35N						
78130	0.41	0.68	1.22							
78131	0.05	0.08	0.08							
78132	17.2	21.9	1.80	L-1+40N						
78133	4.81	8.65	2.44							
78134	0.35	0.45	1.74							
78135	8.14	11.95	2.67	L-1+45N						
78136	1.17	2.28	5.29							
78137	0.14	0.15	0.42	L+12SON						
78138	0.69	1.08	2.45							
78139	0.74	0.54	0.08	Last line						
78140	0.15	0.10	0.96							
78141	0.65	0.45	2.18							
78142	3.51	4.20	0.83							
78143	0.43	0.45	0.22							
78157	8.87	10.15	2.67	L-0+90N	extention	1.50				
78158	1.66	1.81	7.70			1.40				
78159	0.22	0.18	3.11			1.60				
78160	0.15	0.20	0.57			1.50				

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-6804 Pg. 5

DATE Aug 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn						
78163	0.37	0.73	0.85	L - 0+85N					
78164	9.93	15.1	0.34						
VOID 78165	0.09	0.14	0.27						
78166	10.8	14.7	2.99	L - 0 +80N					
78167	1.59	2.70	1.62						
78168	9.20	12.55	1.03						

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Document Separator

Start	Stop
X	

Levels

	1	2	3	4	5	6	7	8
Binder								
Folder								
Staple								
Paper Clip								
Binder Clip								
Plastic Protector								
Elastic Bands	X							
TABS	X							
OTHER_____								

Special Instructions:
Behind NO 2 ~~Zone~~ Surface.

ndar-Clegg & Company Ltd.
Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
one (403) 667-6523
lex 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

FORM: VGB-08654.0

PROJECT: KETZA PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB		SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
77260		63	60	R2 77274		50	
77261		87		R2 77275		260	
77262		71 → 65		R2 77276		516	Line 3 Cont.
77158		51		R2 77277		197	
77159		147		R2 77278		321	
77160		25	75	R2 77279		359	
77161		20		R2 77280		18	
77162		58		R2 77281		124	
77163		12		R2 77282		552	
77164		23 → 80		R2 77283		141	Line 4
77204		59		R2 77284		150	
77205		17		R2 77285		764	
77206		114	85	R2 77286		1044	
77207		142		R2 77287		340	
77208		140		R2 77288		122	
209		50		R2 77289		86	
77211		64		R2 77290		80	
77212		79		R2 77291		253	
77213		20	80	R2 77292		924	Line 5
77214		16		R2 77293		1008	
77215		50		R2 77294		130	
77216		60 → 100		R2 77295		78	
77248		58 → 105		R2 77296		86	
77249		11		R2 77297		439	
77250		10		R2 77298		172	
77259		17	Line 1	R2 77299		109	
77260		64		R2 77300		266	
77261		277		R2 77301		683	Line 6
77262		311		R2 77302		520	
77263		13		R2 77303		90	
77264		13		R2 77304		14	
77265		19		R2 77305		6	
77266		12		R2 77306		63	
77267		529	Line 2	R2 77307		168	
77268		389		R2 77308		415	Line 7
77269		261		R2 77309		209	
77270		252		R2 77310		622	
77271		386		R2 77311		580	
77272		11		R2 77312		976	
77273		13	Line 3	R2 77313		64	

No 3 Zone Suitable

No 3 Zone

Double Assay

No 2 Zone

Plotted Aug 25/88 FH

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Certificate of Analysis

REPORT: V88-05654.6 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 77286		0.038
R2 77293		0.030

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Geochemical Lab Report

REPORT: V88-05654.0

PROJECT: KETZA PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77314		<5
R2 77315		11
R2 77316		13
R2 77317		78
R2 77318		232
R2 77319		148
R2 77320		612
R2 77321		319
R2 77322		<5

Line 8

No. 2 Zone

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Geochemical Lab Report

REPORT: V88-05655.0

PROJECT: KETZA HV PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77323		18	R2 77363		34
R2 77324		15	R2 77364		43
R2 77325		<5	R2 77365		42
R2 77326		21	R2 77366		25
R2 77327		7	R2 77367		424
R2 77328		27	R2 77368		509
R2 77329		29	R2 77369		7
R2 77330		22	R2 77370		86
R2 77331		643	R2 77371		496
R2 77332		716	R2 77372		417
R2 77333		39	R2 77373		30
R2 77334		19	R2 77374		53
R2 77335		27	R2 77375		33
R2 77336		271	R2 77376		287
R2 77337		48	R2 77377		27
R2 77338		5	R2 77378		378
R2 77339		<5	R2 77379		203
R2 77340		17	R2 77380		8
R2 77341		65	R2 77381		22
R2 77342		152	R2 77382		47
R2 77343		43	R2 77383		461
R2 77344		113	R2 77384		102
R2 77345		16	R2 77385		17
R2 77346		189	R2 77386		302
R2 77347		45	R2 77387		104
R2 77348		<5			
R2 77349		10			
R2 77350		41			
R2 77351		32			
R2 77352		75			
R2 77353		137			
R2 77354		471			
R2 77355		222			
R2 77356		71			
R2 77357		28			
R2 77358		38			
R2 77359		26			
R2 77360		9			
R2 77361		20			
R2 77362		20			

Line 9

2nd Track East of Main Trail

Line 10

3rd X Track east of Main

4th X Track east of Main

Section 0+00

2nd Track east of Main Trail

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5654 Pg. 2

DATE Aug 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

	MARKED	oz/ton Ag	% Pb	% Zn							
No. 3 Zone	77215	3.66	4.41	1.39							
	77246	0.20	0.28	2.10							
	77248	0.13	0.13	0.45							
	77257	0.38	0.08	0.55							
	77258	0.05	0.01	0.12							
	77259	0.07	0.02	0.65							Line #1
	77260	0.14	0.06	2.12							
	77261	1.04	1.18	1.59							
	77262	1.81	2.44	2.00							
No. 2 Zone	77263	0.04	0.04	0.16							
	77264	0.05	0.02	0.18							
	77265	0.04	0.01	0.95							
	77266	0.07	0.06	1.92							
	77267	5.00	7.85	4.97							Line #2
	77268	2.46	3.05	9.60							
	77269	0.62	0.52	0.95							
	77270	0.14	0.09	0.15							
	77271	0.19	0.06	0.43							
	77272	0.10	0.03	0.88							Line #3
	77273	0.05	0.03	0.43							

Plotted
Aug. 14/88
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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5654 Pg. 3

DATE Aug 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
✓77274	0.62	0.98	2.51							
✓77275	1.90	4.46	5.34							
✓77276	6.90	10.2	0.36							LINE #3
✓77277	1.81	2.84	2.41							
✓77278	1.57	2.20	4.03							
✓77279	0.16	0.14	0.14							
✓77280	0.12	0.05	0.41							
✓77281	0.31	0.08	3.15							
✓77282	1.84	2.01	6.29							
✓77283	3.73	6.98	7.87							
✓77284	0.79	1.33	5.21							LINE #4
✓77285	10.5	14.7	5.23							
✓77286	12.3	20.0	0.34							
✓77287	3.37	4.74	5.00							
✓77288	0.21	0.15	0.18							
77289	0.20	0.19	1.07							
77290	1.22	2.27	2.90							
77291	1.58	2.48	2.91							LINE #5
77292	8.76	11.95	0.06							
77293	2.99	7.55	0.03							

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5654 Pg. 4

DATE Aug 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77294	0.49	0.67	2.90							LINE #5
77295	0.13	0.04	0.61							
77296	0.49	0.22	1.01							
77297	4.59	5.50	9.16							
77298	1.23	3.46	2.25							
77299	0.14	0.20	0.81							
77300	0.54	0.55	2.12							LINE #6
77301	10.9	21.2	0.08							
77302	4.08	4.23	8.39							
77303	0.10	0.13	0.18							
77304	0.57	0.51	2.39							
77305	1.71	2.85	1.11							
77306	4.47	6.80	3.96							
77307	0.69	0.63	5.88							
77308	4.04	6.50	0.98							
77309	0.56	0.94	1.48							LINE #7
77310	8.04	12.85	0.06							
77311	14.1	27.1	0.01							
77312	5.67	7.21	0.22							
77313	0.23	0.22	0.41							

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5654 Pg. 5

DATE Aug 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77314	0.57	0.72	2.14							
77315	0.32	0.53	0.76							
77316	1.05	2.22	0.46							
77317	2.54	4.30	1.43							
77318	1.94	4.90	0.88							LINE #8
77319	0.60	1.25	0.67							
77320	1.66	2.77	0.23							
77321	8.82	23.4	2.49							
77322	0.11	0.22	0.07							

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TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-5655

DATE Aug. 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77323	0.05	0.09	0.55							
77324	0.06	0.08	0.26							
77325	0.02	0.07	0.24							
77326	0.07	0.07	0.30							
77327	0.08	0.24	0.35							LINE #9
77328	2.00	0.41	0.77							
77329	0.20	0.32	0.40							
77330	1.18	2.90	0.62							
77331	3.28	3.99	1.13							
77332	8.20	11.3	4.87							
77333	0.15	0.22	0.32							
77334	0.06	0.05	0.03							
77335	0.04	0.08	0.26							
77336	0.11	0.09	0.58							
77337	0.33	0.56	0.49							LINE #10
77338	0.10	0.23	0.30							
77339	0.07	0.19	0.10							
77340	0.20	0.39	0.29							
77341	0.27	0.53	0.44							
77342	0.19	0.32	0.31							

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5655 Pg. 2

DATE Aug 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
77343	0.01	0.04	0.14							LINE #10
77344	0.12	0.20	0.16							
77345	0.13	0.28	0.27							
77346	2.10	3.50	2.50							
77347	0.27	0.50	0.30							
77348	0.02	0.04	0.30							
77349	0.04	0.08	0.28							SECTION 0+00
77350	0.02	0.03	0.14							
77351	0.19	0.25	1.04							
77352	0.27	0.32	3.96							
77353	0.37	0.30	3.81							
77354	0.98	1.41	1.45							
77355	3.00	4.36	3.34							
77356	0.36	0.26	0.75							
77357	0.11	0.11	0.11							SECTION 0+00
77358	0.68	1.03	1.15							
77359	0.76	1.14	0.58							
77360	0.11	0.16	0.15							
77361	0.73	0.70	0.21							
77362	0.07	0.05	1.48							

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5655 Pg. 3

DATE Aug 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
77363	0.09	0.04	2.01
77364	0.11	0.07	0.16
77365	0.57	0.37	0.15
77366	0.06	0.08	0.07
77367	0.46	0.32	0.80
77368	0.34	0.37	0.75
77369	0.07	0.02	0.10
77370	0.32	0.40	0.88
77371	8.55	16.2	6.40
77372	3.28	4.70	8.20
77373	0.38	0.35	0.48
77374	0.75	0.69	0.23
77375	0.27	0.37	0.40
77376	2.24	2.38	0.57
77377	0.15	0.10	0.15
77378	0.94	1.16	1.75
77379	1.41	1.14	0.31
77380	0.05	0.02	0.02
77381	0.14	0.15	0.13
77382	0.08	0.04	0.10

2nd X-TIE[illegible]

MA[illegible]

4TH X-T[illegible]

[illegible]-IN TRE[illegible]

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5655 Pg. 4

DATE Aug 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
✓ 77383	0.70	0.09	0.85							4TH X-TRENCH EAST of MAIN TRENCH
✓ 77384	1.67	2.77	0.25							
✓ 77385	0.10	0.14	0.10							
✓ 77386	0.45	0.48	0.39							
✓ 77387	0.35	0.17	0.04							

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TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-5610

DATE

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
77001	0.10	0.01	0.09	0.15
77002	0.04	L0.01	0.03	0.56
77003	1.57	0.01	2.62	0.96
77004	7.89	0.08	11.3	4.59
77005	2.03	0.03	2.35	0.95
77006	0.55	0.13	0.43	10.55
77007	13.0	0.30	16.2	17.95
77008	0.18	0.01	0.16	1.27
77009	4.00	0.07	2.34	1.73
77010	0.13	L0.01	0.07	0.47
77011	0.14	L0.01	0.23	0.52
77012	0.14	0.03	0.05	3.80
77013	0.80	0.14	0.46	11.9
77014	1.15	0.25	0.74	15.9
77015	0.22	0.01	0.15	0.56
77016	0.90	0.08	0.53	4.45
77017	2.10	0.04	1.41	1.42
77018	0.19	L0.01	0.15	0.09
77019	23.4	0.29	16.25	3.47
77020	0.17	0.04	0.15	3.50

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TO Yukon Minerals Corp.

REPORT NO. W88-5610 Pg. 2

DATE July 29, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
77021	0.18	0.01	0.09	0.45						
77022	1.21	0.13	1.90	1.41						
77023	57.2	0.77	39.0	1.63						
77024	8.17	0.08	7.45	2.79						
77025	4.67	0.05	4.25	2.19						
77026	0.12	L0.01	0.11	0.30						
77027	0.87	0.01	0.90	0.97						
77028	41.0	0.54	16.75	4.69						
77029	37.5	0.71	12.85	4.62						
77030	0.60	0.02	0.39	0.70						
77031	0.16	L0.01	0.07	0.11						
77032	9.89	0.03	6.64	1.39						
77033	2.19	0.12	1.30	6.20						
77034	0.58	0.10	0.27	11.15						
77035	0.26	0.01	0.14	1.67						
77036	0.37	0.59	0.12	12.8						
77037	0.68	0.33	0.16	3.13						
77038	0.26	0.05	0.14	1.45						
77039	0.03	L0.01	0.03	0.78						
77040	5.79	0.34	4.90	4.51						

Lucky Surface

Plotted

Date

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5610 Pg. 3

DATE July 29, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
77041	0.08	0.01	0.05	1.12
77042	0.05	L0.01	0.01	0.40
77043	1.21	0.17	0.50	22.6
77044	0.07	L0.01	0.05	1.01
77045	5.83	0.04	5.31	1.15
77046	14.2	0.01	1.32	0.62
77047	1.00	0.01	0.87	0.74
77048	0.08	L0.01	0.04	0.39
77049	0.36	0.01	0.12	1.05
77050	1.06	0.03	0.85	1.76
77051	0.21	L0.01	0.11	0.30
77052	0.31	0.02	0.13	2.32
77053	5.47	0.15	1.50	1.93
77054	0.58	0.01	0.22	0.30
77055	5.32	0.14	3.04	3.17
77056	136.	1.89	49.0	2.03
77057	37.8	0.46	18.5	0.46
77058	2.92	0.05	1.50	2.50
77059	89.5	0.77	44.6	0.34
77060	3.31	0.07	1.58	2.56

Lucky Surface

Sith N Surface

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-5610 Pg. 4

DATE July 29, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag	% Cu	% Pb	% Zn
South FN	77061	41.6	0.73	27.6	6.33
	77062	17.8	0.31	11.7	7.20

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. HG

REPORT NO. W88-3987

DATE June 17, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
81751	186.	1.50	77.4	0.25

1st half of 1st Ore shipment

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TO Yukon Minerals Corp.

Proj. HG

REPORT NO. W88-3994

DATE June 21, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
81768	180.	1.59	75.6	0.29

2nd half of 1st ore shipment

BONDAR-CLEGG & COMPANY LTD.

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C
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REPORT: V88-03987.4 | PROJECT: HG | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Al2O3 PCT	As PCT	FeTot PCT	S tot PCT	Sb PCT	
R2 81751		0.002	157.54	0.02	0.12	2.35	12.80	1.74	[illegible] PN OF SUPPLIED

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
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Canada V7P 2R5
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REPORT: V88-03994.5 | PROJECT: HG | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT
R2 81768		153.68

3 PN shipment Test No. 2

Bondar-Clegg & Company Ltd.
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REPORT: V88-03994.4 | PROJECT: HG | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Al PCT	As PCT	FeTot PCT	S tot PCT	Sb PCT
R2 81768		<0.002	0.01	0.09	2.66	13.10	2.03

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA Surface Sampling

REPORT NO. W88-5652

DATE Aug 8, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn						
							Replaces samples			
✓77401	1.21	0.11	0.46	5.17		Lucky Zone	77016			
✓77402	7.61	0.09	3.94	1.65			77027			
✓77403	47.9	0.74	14.1	3.33			77029			
✓77404	1.08	0.03	0.49	1.28		PN Zone	77057			
✓77405	47.8	0.63	27.3	11.6			77062			
✓77406	0.74	0.02	0.47	1.43			77062			

Photos Dec. 87

BONDAR-CLEGG & COMPANY LTD.

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone (604) 985-0681
Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-05652.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
R2 77401		449 ✓	} Lucky Surface Resample
R2 77402		198 ✓	
R2 77403		109 ✓	
R2 77404		21	} ~~Au~~ Surface Resample
R2 77405		34	
R2 77406		13	

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AUG 25/88
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Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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Geochemical Lab Report

REPORT: V88-05610.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
R2 77001		<5	
R2 77002		5	
R2 77003		11	
R2 77004		7	
R2 77005		14	
R2 77006		13	
R2 77007		254	MF
R2 77008		14	
R2 77009		40	
R2 77010		17	
R2 77011		7	
R2 77012		34	
R2 77013		67	
R2 77014		108	
R2 77015		22	
R2 ~~77016~~		252	Resampled Lucky
R2 77017		166	
R2 77018		14	
R2 77019		454	
R2 77020		48	
R2 77021		21	
R2 77022		75	
R2 77023		559	
R2 77024		245	
R2 77025		435	
R2 77026		33	
R2 ~~77027~~		36	Resampled
R2 77028		640	
R2 ~~77029~~		366	
R2 77030		50	
R2 77031		28	
R2 77032		294	
R2 77033		590	
R2 77034		72	
R2 77035		54	
R2 77036		125	
R2 77037		71	
R2 77038		22	
R2 77039		16	
R2 77040		444	

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
R2 77041		24	
R2 77042		15	
R2 77043		277	
R2 77044		25	
R2 77045		369	Lucky
R2 77046		45	
R2 77047		83	
R2 77048		26	
R2 77049		8	
R2 77050		50	
R2 77051		6	
R2 77052		8	
R2 77053		57	PN
R2 77054		12	
R2 77055		55	
R2 77056		135	
R2 ~~77057~~		132	Resampled
R2 77058		33	
R2 77059		65	
R2 77060		66	
R2 77061		282	
R2 ~~77062~~		87	Resampled

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REPORT: V88-04620.4 | PROJECT: HG | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Al PCT	As PCT	FeTot PCT	S tot PCT	Sb PCT
R2 13235		0.006	0.08	0.04	4.30	8.88	1.03
R2 13236		0.018	0.16	0.10	10.89	4.86	1.26

} Lunch and Hi air bags

R. Clegg

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TO Yukon Minerals Corp.

.

Proj. HG

REPORT NO. W88-4620

DATE June 29, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn					
13235	75.8	0.53	68.8	0.24					
13236	57.3	0.92	49.2	0.70					
13237	135.	0.89	74.0	0.15					

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REPORT NO. W88-2328

DATE April 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag								
GH88-1	86.3								
GH88-2	81.2								
GH88-3	80.8								
GH88-4	25.5								

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TO Yukon Minerals Corp.

REPORT NO. W88-2328

DATE April 27, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

KETZA

MARKED	oz/ton Ag
GH88-1	86.3
GH88-2	81.2
GH88-3	80.8
GH88-4	75.5

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Kotza

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TO Yukon Minerals

REPORT NO. W88-2355

DATE May 12, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb
JT 88-1	2.97		2.74
No. 3 88-1	67.7		68.3
GH 88-4	69.2	0.41	

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REPORT: V88-02355.4

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R? GH 88-4		0.004
R? JT 88 1		0.008

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REPORT: V88-03995.4 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 81767		<0.002 ST SAMPLE

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TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-6817

DATE Sept 5, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
78077	0.21	0.22	0.02
78078	2.52	4.01	0.10
78079	0.28	0.48	0.02
78081	14.4	23.7	0.05
78082	0.06	0.10	0.02
78085	0.08	0.10	0.02
78086	0.02	L0.01	0.01
78087	0.16	0.15	0.13
78088	0.99	1.69	0.02
78089	1.33	3.00	0.02
78090	10.7	19.3	0.01
78091	2.51	4.33	0.02
78144	0.37	0.32	0.09
78145	0.41	0.46	0.14
78146	0.35	0.32	0.23
78147	0.02	0.02	0.02
78148	0.02	0.02	0.01
78149	0.01	0.01	0.01
78150	L0.01	0.01	0.01
78151	0.52	1.06	0.70

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TO Yukon Minerals Corp.

REPORT NO. W88-6817 Pg. 2

DATE Sept 5, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
78152	0.71	1.28	0.94		3.00		#2 (cont.)			
78153	2.42	4.36	1.21		2.00					
78154	1.53	2.05	2.08		2.80					
78155	0.41	0.80	1.33		1.30					
78156	0.23	0.43	0.36		1.50					
78161	0.03	0.05	0.04	Zinc	L 0.85%	100 m				
78162	0.14	0.25	0.11			1.20				
78169	0.43	0.64	1.69							
78170	0.46	0.94	0.43							
78171	0.17	0.27	0.41		L 0.30%	110 m				
78172	1.72	2.45	0.02	silver		0.73				
78173	0.03	0.07	0.01			2.90				
78174	1.07	2.90	0.01			1.47				
78175	0.19	0.68	0.01			1.05	1 m lime oxide			

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Geochemic
Lab Repo

REPORT: V88-06817.0 | PROJECT: KFT7A HU | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS Au PPB	
R2 78077	<5	GROUNDHOG SURFACE NW line
R2 78078	<5	
R2 78079	<5	
R2 78081	19	
R2 78082	5	
R2 78085	<5	
R2 78086	<5	
R2 78087	<5	GH CETER LINE
R2 78088	<5	
R2 78089	<5	
R2 78090	28	
R2 78091	<5	
R2 78144	110	B ZONE
R2 78145	72	
R2 78146	21	
R2 78147	<5	GH SURFACE SE line
R2 78148	<5	
R2 78149	<5	
R2 78150	<5	
R2 78151	25	pit below No. 2
R2 78152	36	
R2 78153	215	
R2 78154	254	
R2 78155	59	
R2 78156	17	
R2 78161	9	Zone 0+85
R2 78162	<5	
7 R2 18169	18	Zone 0+75
R2 18170	5	Zone 0+80
R2 18171	19?	
R2 18172	6	GH SURFACE SE LINE
R2 18173	5	
R2 18174	<5	
R2 18175	<5	

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA H.V.

REPORT NO. W88-6867

DATE Sept 15, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
78176	0.46	0.77	0.74
78177	0.19	0.44	0.12
78178	1.39	2.57	0.32
78179	2.80	3.90	0.90
78180	0.18	0.26	0.36
78181	0.89	1.81	2.07
78182	5.38	4.19	5.02
78183	0.25	0.49	0.22
78184	4.45	3.94	1.03
78185	0.34	0.34	0.98
78186	33.3	39.6	3.97
78187	0.99	0.26	9.35
78188	0.31	0.22	1.04
78189	30.9	24.3	4.13
78190	0.20	0.19	1.92
78191	0.24	0.40	0.31
78192	0.73	1.17	0.69
78193	1.38	1.50	5.72
78194	0.14	0.11	0.97
78195	0.41	0.60	1.22

Jenny

trench well stratified - sample point locations not known 78184 - 78195

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TO Yukon Minerals Corp.

REPORT NO. W88-6867 Pg. 2

DATE Sept 15, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn		
78196	0.05	0.05	0.08		"A" zone Mo showing
78197	0.41	0.26	1.27		
78198	0.34	0.12	2.34		
78199	0.92	3.45	0.12		
78200	0.43	1.25	0.30		
78201	105.	82.0	0.18	Jenny grab	

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Geochemical Lab Report

REPORT: V88-06867.0 | PROJECT: KETZA HV | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 78176		16
R2 78177		<5
R2 78178		<5
R2 78179		122
R2 78180		<5
R2 78181		38
R2 78182		52
R2 78183		<5
R2 78184		68
R2 78185		21
R2 78186		251
R2 78187		26
R2 78188		9
R2 78189		612
R2 78190		5
R2 78191		<5
R2 78192		9
R2 78193		210
R2 78194		39
R2 78195		94
R2 78196		9
R2 78197		246
R2 78198		170
R2 78199		8
R2 78200		45
R2 78201		29

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REPORT: V88-04601.4 | PROJECT: KEIZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	SG
D2 81820		3.0

YM 88-16

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REPORT: V88-03959.4

PROJECT: KITZA

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Pb PCT	Zn PCT	SG
R2 81591		0.002	69.84	0.33	→ MF2
D2 81551					2.9
D2 81552					2.8
D2 81555					3.4
D2 81572					3.6
D2 81573					2.9
D2 81595					3.7
D2 81606					2.8
D2 81608					2.9

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TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-7926

DATE Sept 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
78206	0.13	0.28	0.21
78207	0.01	0.02	0.04
78208	0.21	0.60	0.17
78209	0.03	0.07	0.08
78210	0.01	0.04	0.05
78211	0.09	0.18	0.42
78212	0.02	0.05	0.03
78213	0.11	0.57	0.03
78214	L0.01	0.02	0.02
78215	0.66	1.47	1.71

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TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-7908

DATE Sept 20, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn						
78202	4.08	6.55	0.25	L 5+50S	40E	lim-hem-py			
78203	0.37	1.36	0.26	portal	-brecc. #2				
78204	0.21	0.44	0.20	portal					
78205	70.8	65.7	3.55						

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Geochemical Lab Report

REPORT: V88-07926.0 | PROJECT: KFT7A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 78206		22
R2 78207		8
R2 78208		7
R2 78209		<5
R2 78210		<5
R2 78211		19
R2 78212		<5
R2 78213		11
R2 78214		8
R2 78215		25

VG

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Geochemical Lab Report

REPORT: V88-07947.0

PROJECT: KFT/A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 78216		15
R2 78217		25
R2 78218		65
R2 78219		52
R2 78220		46

V6

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Geochemical Lab Report

REPORT: V88-01791R.A1 | PROJECT: KE17A | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	
R2 78202		661	→ grab L5+50S 1+40E
R2 78203		<5	} Portal – Mike's samples
R2 78204		11	
R2 78205		126	→ Jenny grab

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Proj. KETZA

REPORT NO. W88-7947

DATE Oct 5, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
78216	0.15	0.27	0.47
78217	0.16	0.21	2.08
78218	0.33	0.04	0.02
78219	0.16	0.03	0.02
78220	0.16	0.03	0.01

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Proj. KETZA

REPORT NO. W88-7965

DATE Oct. 21, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
78221	0.01	L0.01	L0.01							

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Geochemical Lab Report

REPORT: V88-07965.0 | PROJECT: KETZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 78221		<5

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Certificate of Analysis

TO Yukon Minerals Corp.

REPORT NO. W88-10202.4

DATE Dec 1, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag	% Pb	% Zn
UNDERGROUND	81239	L0.01	L0.01	L0.01
	81240	L0.01	L0.01	L0.01
	81251	L0.01	L0.01	0.03
	81252	0.01	L0.01	0.01
	81253	L0.01	L0.01	0.01
	81255	6.14	18.35	5.90
	81256	0.08	0.15	0.06
	81524	0.06	0.18	0.07
	81254			

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Geochemical Lab Report

REPORT: V88-10202.0 | PROJECT: NONE GIVEN | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 81239		<5
R2 81240		<5
R2 81251		<5
R2 81252		<5
R2 81253		5
R2 81255		453
R2 81256		6
R2 81524		18

UNDERGROUND

R2 81254

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TO Yukon Minerals Corp.

Proj. KETZA REGIONAL

REPORT NO. W88-4652

DATE July 11, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
Below Jill on S W face Ketza	13251 K14 7-1	25.0	40.5	2.70
survey marker on top #3 Ketza	13253 K19-7-1	4.19	5.00	0.12
quartz vein contact west of PAU on base of cliff Ketza	13254 K14-7-4	0.28	0.45	0.03

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John Pearson

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pl.116

REPORT: V88-04652.4 | PROJECT: KEIZA REGIONAL | PAGE 1

SAMPLE NUMBER		ELEMENT UNITS Au OPT	
R2 13251	R 14-7-1	<0.002	Below Sill in Galena vein float
R2 13253	R 19-7-1	<0.002	Bull Gravels on Survey marker top of #3
R2 13254	R 14-7-4	<0.002	well rock beside Gtz vein S.W. below BM on cliff base

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TO Yukon Minerals Corp.

Proj. KETZA

REPORT NO. W88-4655

DATE

I hereby certify that the following are the results of analyses made by us upon the herein described rock/drill core samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn						
MF Grab sample ? uthern Lucky extension 13255	78.7		78.8							

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Proj. KETZA REGIONAL

REPORT NO. W88-4653

DATE July 11, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
Terry Lucky vein grabs 13256	0.66	1.33	7.30
13257	0.39	0.13	11.8

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Geochemical Lab Report

PROJECT: MITA P-G WELL PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	AG PPM	AS PPM	BA PPM	BE PPM	BI PPM	CU PPM	CE PPM	FE %	MG %	MN PPM	MO PPM
13256	Lucky	31.9	47	43	35	4.8	11	267	14	4		68	389
13257	Lucky	17.4	81	41	78	3.7	13	688	13	0		57	1788

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Geochemical Lab Report

ATTN: [illegible]

PROJECT: [illegible] Page 1?

Sample Number	ELEMENT UNIT	Cu PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Sb PPM	Sr PPM	Sc PPM	W PPM
[illegible]	13256	3	5	8	24	<1	18	>10000	<20	194	1.2	[illegible]
[illegible]	13257	5	3	12	24	<1	25	1100	20	[illegible]	1.1	[illegible]

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Geochemical Lab Report

PROJECT: [illegible]

ELEMENT UNITS	SR PPM	TA PPM	TE PPM	TL PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	AU F.B
13256	32	<10	<10	<10	3	332	2	[illegible]	4	1?
13257	42	<10	<10	<10	4	164	2	[illegible]	-	??

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MPQ REGIONAL

REPORT NO. W88-4666

DATE July 14, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
13295	0.08	0.05	0.05	0.24						

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TO Yukon Minerals Corp.

Proj. KETZA REGIONAL

REPORT NO. W88-4685

DATE July 19, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton	%	%	%						
		Ag	Cu	Pb	Zn						
ctea- R-13-7-6	13319	0.01	L0.01	0.02	L0.01						
" R-13-7-12	13320	L0.01	L0.01	0.01	L0.01						
13-7-12 ("splash")											
" R-13-7-11	13321	1.14	L0.01	11.1	4.31						
" R-13-7-11	13322	6.58	6.80	0.87	0.22						
" R-13-7-1	13323	0.16	0.07	0.13	0.06						
" 12-10-7-7	13324	28.0	0.15	39.0	0.37						
" R-10-7-9	13325	5.25	0.54	2.97	0.03						

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Certificate of Analysis

pt. 11 of 1

REPORT: V88-04685.4

PROJECT: KEITA REGIONAL

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	PPB
13-7-6	R2 13319	0.002	± 7
13-7-12	R2 13320	0.002	
R13-7-11	R2 13321	<0.002	
213-7-11	R2 13322	<0.002	
13-7-1	R2 13323	<0.002	
R10-7-7	R2 13324	0.007	
10-7-9	R2 13325	0.002	

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Geochemical Lab Report

13339	55	– Jenny		plotted.
13340	133	– Jenny		
13341	67	– Jenny	o.c. yellow brown oxide zone	
13326	6	16-7-2	plotted	J
328	9	17-7-3	plotted.	
13328 ↑				

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA REGIONAL

REPORT NO. W88-5668

DATE Aug 13, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
13342	2.33	4.71	2.52	R6-8	-10					
13343	12.35	16.6	0.14	R6-8	-8					
13344	0.67	1.32	3.54	R7-9	-2					

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-05668.0 | PROJECT: KETZA REGIONAL | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
R2 13342	R6-8-10 Cu 300	8	>50.0	<50	<2	125	<4.0	<5	171	142	<2	<1
R2 13343	R6-8-8 Pb	938	>50.0	1335	<2	53	<4.0	<5	13	15	<2	66
R2 13344	R7-8-2	16	10.2	<50	<2	48	<4.0	<5	207	187	<2	<1
R2 13345	R7-8-1A	13	<0.5	85	<2	1886	<4.0	<5	<1	54	9	343

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Geochemical Lab Report

REPORT: V88-05668.0 | PROJECT: KETZA REGIONAL | PAGE 1R

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
R2 13342		540	79	<1	3	<5	<1	<1	>10000	87	52	2
R2 13343		162	3	<1	7	7	<1	7	>10000	119	180	2
R2 13344		19	93	3	2	<5	<1	<1	>10000	<50	6	4
R2 13345		6	24	11	4	<5	10	53	592	148	25	14

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Geochemical Lab Report

REPORT: V88-05668.0 | PROJECT: KETZA REGIONAL | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 13342		56	88	<10	<20	<20	5	55	5	18984	<1
R2 13343		71	20	<10	<20	<20	48	<10	4	1264	40
R2 13344		62	51	<10	<20	<20	2	97	45	>20000	<1
R2 13345		35	232	<10	<20	<20	111	<10	15	188	61

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Geochemical Lab Report

	ELEMENT	Au
	UNITS	PPB
	13342	8
	13343	9.5
	13344	16
	13345	13

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REPORT: V88-05668.6

PROJECT: KETZA REGIONAL

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	Zn PCT
R2 13342		1.89	4.60	
R2 13343		11.46	16.80	
R2 13344			1.32	3.60

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. MPR

REPORT NO. W88-4690

DATE July 19, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
13297	L0.01	0.01	0.01	0.01						
13300	0.10	L0.01	0.44	1.41						
13353	L0.01	L0.01	0.04	0.01						
13354	L0.01	L0.01	0.02	L0.01						
13357	1.31		0.69	1.20						
13358	50.7		18.9	4.46						
13361	0.03		0.02	0.11						
13362	0.02	L0.01	0.01	0.02						

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TO Yukon Minerals Corp.

Proj. MPR REGIONAL

REPORT NO. W88-4665

DATE July 14, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag								
MPR Pass Peak 4 zones	BLOOD 1	47.2								
	SWEAT 2	151.								
	TEARS 3	41.2								
	TRACY #4	55.5								

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Geochemical Lab Report

REPORT: V88-04675.0 | PROJECT: MPR REGIONAL | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 13258		61	R2 13305		26
R2 13259		110	R2 13306		37
R2 13260		195	R2 13307		61
R2 13261		39	R2 13308		67
R2 13262		807	R2 13309		37
R2 13264		120	R2 13310		315
R2 13265		29	R2 13311		18
R2 13266		9	R2 13312		12
R2 13267		5	R2 13313		18
R2 13268		38	R2 13314		21
R2 13269		28	R2 13315		138
R2 13270		41	R2 13316		79
R2 13271		13	R2 13317		86
R2 13272	MPR	26	R2 13318		17
R2 13273	JT	1884	R2 18924		17
R2 13274		1435			
R2 13275		25			
R2 13276		8			
R2 13277		13			
R2 13278		<5			
R2 13279		22			
R2 13280		261			
R2 13281		15			
R2 13282		<5			
R2 13283		6			
R2 13284		<5			
R2 13285		8			
R2 13286		12			
R2 13287		<5			
R2 13288		<5			
R2 13289		9			
R2 13290		<5			
R2 13291		<5			
R2 13292		5			
R2 13293		12			
R2 13294		<5			
R2 13301		20			
R2 13302		21			
R2 13303		11			
R2 13304		141			

REPORT: V88-04653.0 PROJECT: KITZA REGIONAL PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 13256		12
R2 13257		27

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Certificate of Analysis

TO Yukon Minerals Corp.
(B. Fowler)

REPORT NO. W88-5629
DATE July 30, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag	% Cu	% Pb	% Zn
Jenny	13339	74.4	0.01	70.8	0.09
Jenny	13340	6.81	0.03	0.46	1.89
Jenny	13341	0.15	0.08	0.09	0.26
↑	81049	0.27	L0.01	0.45	0.19
	81050	7.00	0.02	1.19	1.91
	81051	0.03	L0.01	0.02	0.36
core	81052	0.38	0.10	0.08	11.0
	81053	0.01	L0.01	0.05	0.23
	81054	L0.01	L0.01	0.02	0.29
	81055	L0.01	L0.01	L0.01	0.05
↓	81057	L0.01	L0.01	L0.01	0.01

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REPORT: V88-114686.0 PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 13363		14
R2 13364		17

SAMPLE NUMBER	ELEMENT UNITS	Au PPM
RE 1 8295	[illegible]	37

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.
(Paul Ramaekers)

REPORT NO. W88-5609
DATE July 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
-13326	6.75	L0.01	12.3	0.01
-13327	55.9	L0.01	77.2	0.11
13328	1.85	2.28	0.42	2.45
-13329	1.91	0.02	4.21	0.96
Hole [illegible] 18942	0.04	L0.01	0.08	0.24
Hole [illegible] 18943	0.05	L0.01	0.04	0.06

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Geochemic
Lab Repo

KETZA REGIONAL

REPORT: VAN-87609.0 Au

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER ELEMENT UNITS Au PPB

[illegible]	13	
[illegible]	14	
D2 18942	17	30
D2 18943	18	30

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Geochemical Lab Report

KETZA RECONNAISSANCE DDH PLOTTED.

REPORT: VA8-0612.0

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB		
R- 1.430		12	R 18-7-1	Miss. volcanics
R2 13.31		12	R 18-7-3a	
R2 13132		37	R 18-7-3b	
R2 13135		11	R 18-7-6	
R- 1.438		27	R 18-7-7	
R2 81028		20	YR 88-31	✓
R2 81027		12	88-31	✓

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Certificate of Analysis

TO Yukon Minerals Corp.
(P. Ramaekers)

REPORT NO. W88-5612

DATE July 29, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
13335	111.		77.7	
13336	8.49		19.6	0.22
13337	47.2		47.2	
13338	70.0		82.5	
81029	0.06	L0.01	0.07	0.03

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Geochemical Lab Report

REPORT: V88-05679.0

PROJECT: KETZA REGIONAL PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT	Cd PPM	Co PPM
R2 13346	RQ-8-3A Qtz Vein	30	>50.0	<0.05	58	<2	4	<4.0	<5	0.07	30	<5
R2 13347	RQ-8-3B	21	>50.0	0.05	53	3	37	<4.0	5	0.37	1	<5
R2 13348	RQ-8-3C	127	>50.0	1.65	1551	<2	228	<4.0	<5	8.10	17	19
R2 13349	RQ-8-13 P.SS	66	>50.0	<0.05	<50	<2	3	<4.0	<5	0.30	41	<5
R2 13350	RQ-8-12 PS	48	>50.0	<0.05	91	<2	5	<4.0	<5	1.43	52	<5
R2 13551	RQ-8-1b	21	9.4	0.05	89	<2	148	<4.0	<5	0.80	3	5
R2 13552	RQ-8-12	49	>50.0	<0.05	<50	<2	6	<4.0	<5	1.23	45	13

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Geochemical Lab Report

REPORT: V88-05679.0

PROJECT: KET7A REGIONAL PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cr PPM	Cu PPM	Fe PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM
R2 13346		<2	4	32	0.50	<2	<0.05	<1	<1	<0.05	23	<5
R2 13347		<2	343	5016	0.67	<5	<0.05	<1	<1	0.05	85	<5
R2 13348		7	34	445	>10.00	<2	<0.05	8	2	3.85	1463	12
R2 13349		<2	3	408	0.20	<2	<0.05	<1	<1	0.09	54	<5
R2 13350		<2	1	1074	0.26	5	<0.05	1	<1	0.86	209	<5
R2 13551		<2	<1	33	>10.00	<2	<0.05	<1	<1	0.05	54	<5
R2 13552		<2	4	667	0.30	13	<0.05	2	1	0.69	147	<5

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Geochemical Lab Report

REPORT: V88-05679.0 | PROJECT: KFT7A REGIONAL | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM
R2 13346		<0.05	<1	<1	<0.1	>10000	<50	>1000	<1	60	3	<10
R2 13347		<0.05	<1	12	<0.1	>10000	<50	610	<1	<30	10	<10
R2 13348		<0.05	<1	63	0.3	>10000	<50	83	4	34	93	<10
R2 13349		<0.05	<1	<1	<0.1	>10000	<50	>1000	<1	<30	6	<10
R2 13350		<0.05	2	<1	<0.1	>10000	<50	>1000	<1	<30	18	<10
R2 13551		<0.05	<1	<1	>2.0	6397	<50	50	3	<30	56	26
R2 13552		<0.05	4	<1	<0.1	>10000	389	>1000	<1	<30	23	<10

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Geochemical Lab Report

REPORT: V88-05679.0 | PROJECT: KETZA REGIONAL | PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	Te PPM	Ti PCT	Tl PPM	U PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 13346		<20	<0.01	<20	<1	<10	<1	137	4
R2 13347		<20	<0.01	<20	1	<10	<1	64	2
R2 13348		<20	<0.01	<20	16	<10	36	1663	21
R2 13349		<20	<0.01	<20	<1	<10	<1	114	1
R2 13350		<20	<0.01	<20	<1	<10	<1	2556	<1
R2 13551		<20	<0.01	<20	<1	12	2	45	<1
R2 13552		<20	<0.01	<20	2	<10	1	449	1

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REPORT: V88-05679.6

PROJECT: KEIZA REGIONAL PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Ag OPT	Pb PCT
R2 13346		102.18		77.11
R2 13347				2.76
R2 13348			2.78	1.80
R2 13349		43.03	3.23	80.35
R2 13350		27.27		76.00
R2 13552		34.17		74.58

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Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA REGIONAL H.V.

REPORT NO. W88-5679

DATE Aug. 21, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
[illegible] →13346	29.9	77.8	0.03
[illegible] →13347	2.93	2.93	0.01
[illegible] →13349	11.7	81.0	0.01
[illegible] →13350	7.69	75.8	0.28
[illegible] →13352	9,55	74.3	0.06

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Geochemical Lab Report

REPORT: V88-06812.0 | PROJECT: KETZA REGIONAL | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT	Cd PPM	Ce PPM
R2 13553	R 15 B	14	25.5	0.70	<50	4	635	<4.0	<5	1.88	99	14
R2 13554	R 15 B-1	5	2.1	4.69	<50	<2	40	<4.0	6	1.12	2	45
R2 13555	R 15 B-8	420	>50.0	0.62	680	<2	140	<4.0	<5	0.15	31	10
R2 13556	R 17-B-1 Roy	256										
R2 13557	R 17-B-7 Roy	191										
R2 13558	R 17-B-7 Roy	522	34.1	<0.05	>2000	<2	42	<4.0	<5	0.06	375	<5

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Geochemical Lab Report

REPORT: V88-06812.0 | PROJECT: KETZA REGIONAL | PAGE 1R

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cr PPM	Cu PPM	Fe PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM
R2 13553		4	72	80	2.70	8	0.34	6	12	0.97	503	<5
R2 13554		138	86	626	>10.00	19	0.19	14	49	1.52	1409	<5
R2 13555		<2	15	1959	>10.00	6	0.08	<1	2	<0.05	217	<5
R2 13556												
R2 13557												
R2 13558		<2	83	818	>10.00	<5	<0.05	<1	2	<0.05	77	<5

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Geochemical Lab Report

REPORT: V88-06812.0 | PROJECT: KETZA REGIONAL | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM
R2 13553		<0.05	3	7	<0.1	4529	<50	21	2	47	36	<10
R2 13554		<0.05	31	129	0.2	56	<50	<5	19	39	39	<10
R2 13555		<0.05	<1	1	<0.1	>20000	<50	548	2	234	23	<10
R2 13556												
R2 13557												
R2 13558		<0.05	<1	<1	<0.1	5646	<50	267	<1	88	1	<10

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Geochemical Lab Report

REPORT: V88-06812.0 | PROJECT: KETZA REGIONAL | PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	Te PPM	Ti PCT	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 13553		<20	0.07	<20	19	30	4	9203	21
R2 13554		<20	1.23	<20	213	<10	13	113	86
R2 13555		<20	0.02	<20	2	17	2	3304	5
R2 13556									
R2 13557									
R2 13558		<20	<0.01	<20	<1	<335	<1	>20000	<1

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA REGIONAL

REPORT NO. W88-6812

DATE Aug 31, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
13555	26.5	0.20	38.9	0.41
13556	37.8	0.30	42.6	13.8
13557	26.6	0.24	55.7	11.85
13558	1.18	0.07	0.60	5.00

BONDAR-CLEGG & COMPANY LTD.

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B C
Canada V7P 2R5
Phone (604) 985-0681
Telex 04-352667

BONDAR-CLEGG

Certificate of Analysis

REPORT: V89-06812.6

PROJECT: KEIZA REGIONAL PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Ag OPT	Pb PCT	Zn PCT
R2 13553	R 15-8-8		0.87		
R2 13555	R 15 8-8	24.59		37.60	
R2 13558	R 17-9-7		1.16		5.79

Bondar-Clegg & Company Ltd
136 Industrial Road
Whitehorse Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

[illegible]

[illegible] PROJECT No. [illegible] PAGE 1

[illegible]	ELEMENT	Au
[illegible]	UNITS	PPB
[illegible]	[illegible]	17
[illegible]	[illegible]	134
[illegible]	R22-8-15	Double P
[illegible]	R22-8-15	18

Marshall Zone (Bill Preston)

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B C
V7P 2R5
(04) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-06824.0 | PROJECT: KFT7A HV REG | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT	Cd PPM	Ce PPM
R2 13249		17										
R2 13250		134										
R2 13376			>50.0	0.24	<50	6	49	<4.0	<5	0.20	7	8
R2 13377		16										

Bondar-Clegg & Company Ltd
130 Pemberton Ave.
North Vancouver, B.C
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-06824.0

PROJECT: KEITA HV REG PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cr PPM	Cu PPM	Fe PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM
R2 13249												
R2 13250												
R2 13376		<2	911	9	11.24	<2	<0.05	3	6	<0.05	124	5
R2 13377												

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-06824.0

PROJECT: KETZA HV REG PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM
R2 13249												
R2 13250												
R2 13376		<0.05	<1	2	<0.01	>10000	103	66	<1	<30	69	<10
R2 13377												

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-06824.0

PROJECT: KITZA HV REG PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	Be PPM	Ti PCT	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 13249									
R2 13250									
R2 13376		<20	<0.001	<20	2	<100	1	232	3
R2 13377									

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C
Canada V7P 2R5
Phone (604) 985-0681
Telex 04-352667

BONDAR-CLEGG

Certificate of Analysis

111.

REPORT: V88-06824.6 | PROJECT: KEIZA HV REG | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT
R2 13376	R22-9-15 Dulk P	7.25	10.10

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-06866.0

PROJECT: KETZA REGIONAL PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 13380	R 28-8-4	8
R2 13381	R 28-8-3	16
R2 13382	R 28-8-1	18

Switchback zone = Viking zone

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE (403) 667-6523

Certificate of Analysis

TO Yukon Minerals Corp.

Proj. KETZA REGIONAL

REPORT NO. W88-6866

DATE Sept 13, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn							
13380	46.0	81.5	0.02	R-28-8-4						
13381	103.	86.6	0.01	R-28-8-3						
13382	10.25	11.65	3.00	R-28-8-1						

BONDAR-CLEGG & COMPANY LTD.

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE (403) 667-6523

Certificate of Analysis

Yukon Minerals Corp.

Proj. KETZA MPR

REPORT NO W88-5639

DATE Aug 23, 1988

Soil, 2m trenches.

hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Pb	% Zn
77587	19.95	1.87	0.62
77588	1.55	0.72	2.85
77589	10.1	3.65	2.59
77595	2.62	4.54	31.1
77596	0.08	0.06	14.65

BONDAR-CLEGG & COMPANY LTD.

Bondar-Clegg Company Ltd
[illegible] Road
[illegible], Yukon Territory Y1A 2S1
[illegible]

BONDAR-CLEGG

Geochemical
Lab Report

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
Canada V7P 2R5
(604) 985-0681
TX 152647

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-05689.0 PROJECT: KETZA PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM
R2 77587		29	950
R2 77588		70	
R2 77589		241	
R2 77590		12	
R2 77591		147	
R2 77592		7	
R2 77593		2210	
R2 77594		284	
R2 77595		42	
R2 77596		7	

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To YUKON MINERALS CORPORATION

522 - 625 HOWE ST.
VANCOUVER, BC
V6C 2T6

A8820318

Comments: ATTN: MIKE NEILSEN

CERTIFICATE A8820318

YUKON MINERALS CORPORATION
PROJECT : KETZA
P O # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
268	1	Assay. ring only,no crush/split
227	10	Rolling charge

RECEIVED
AUG 22 1988

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	11	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
383	11	Ag oz/T	FA-GRAVIMETRIC	0.01	20.00
385	11	Ag oz/T: Aqua regia digestion	AAS	0.01	20.0
312	11	Pb %: HClO4-HNO3 digestion	AAS	0.01	100.0
316	11	Zn %: HClO4-HNO3 digestion	AAS	0.01	100.0
7	11	Cd ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.1	200

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To YUKON MINERALS CORPORATION

522 - 625 HOWE ST
VANCOUVER, BC
V6C 2T6

Project : KETZA
Comments ATTN. MIKE NEILSEN

Date 14-AUG-
Invoice # 1-88203
P.O # .NONE

CERTIFICATE OF ANALYSIS A8820318

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag FA oz/T	Ag oz/T	Pb %	Zn %	Cd ppm
81555	227 ---	20	4.88	4.81	12.20	13.50	>200
81572	227 ---	350	16.64	17.20	24.2	9.49	>200
81595	227 ---	1150	7.00	6.85	9.67	1.33	70.0
81739	227 ---	1060	10.12	9.92	15.10	1.98	135.0
81817	227 ---	140	3.58	3.67	1.86	7.94	>200
81824	268 ---	740	8.12	8.31	6.23	1.26	150.0
81843	227 ---	170	1.92	2.10	4.12	3.58	150.0
81878	227 ---	50	3.20	3.32	3.34	0.10	17.0
81932	227 ---	655	9.08	9.04	17.50	0.18	9.2
81934	227 ---	440	0.58	0.48	0.58	0.17	5.6
81979	227 ---	50	1.72	1.98	1.96	6.72	>200

TEKON MINERALS CORPORATION
ASSAY COMPARISONS
CHEMEX vs BONDAR-CLEGG

Comparisons

Sample #	Au ppb FA + AA		Ag FA oz/T		Ag oz/T		Pb % (ppm)		Zn % (ppm)		Cd ppm	
	Chemex	Bondar	Chemex	Bondar	Chemex	Bondar	Chemex	Bondar	Chemex	Bondar	Chemex	Bondar
81555	20	20	4.88		4.81	6.18	12.20	11.43	13.5	13.65	>200	861
81572	350	355	16.64		17.20	18.60	24.2	23.28	9.49	9.6	>200	716
81595	1150	1306	7.0		6.85	7.06	9.67	9.24	1.33	12200	70.0	86.0
81739	1060	0.03	10.12		6.85	7.06	15.10	14.45	1.98	1.95	135.0	
81817	140	166	3.58		3.67	4.01	1.86	1.92	7.94	7.63	>200	415
81824	740	837	812		8.31	9.42	6.23	6.23	1.26	1.27	>150	138
81843	170	194	1.92		2.10	2.29	4.12	4.48	3.58	3.66	150	
81878	50	44	3.2		3.37	3.65	3.34	3.67	0.10	0.10	17.0	
81932	655	616	9.08		9.04	9.73	17.5	17.4	0.18	0.17	9.2	
81934	440		0.58		0.48	0.49	0.58	0.60	0.17	0.16	0.59	
81979	50	60	1.72		1.98	2.13	1.96	2.25	6.72	6.68	>200	

KETZA PROJECT

1988

SURVEY LEDGER

Yukon Minerals Corporation
Perrex Resources Incorporated
Joint Venture

Prepared by Polaris Consulting
Reg Harding

TABLE OF CONTENS

COORDINATE SYSTEM

The coordinate system chosen for the Ketza project was the Universal Transverse Mercator System (UTM) which is the Government Grid System. By using this system, any points may be directly related to government maps. This is useful in terms of receiving full benefit of topographic maps and improved use of aerial photos. Further to this, once individual points are coordinated such as claim posts they are easy to re-establish if they are destroyed simply by using the control stations throughout the property. This gives better control for future legal surveys of claims.

The control stations used this year (1988) were originally set out by Thomson & Iles: Surveyors & Engineers (Whitehorse), in 1987. Two main control points have been used. First, station #102--the hub point for any ties in the areas of Groundhog No.1, No.2, No.3 zones and underground workings. Secondly, station #108--the hub point for the area of PN and Lucky zones. The coordinate used for these points was the UTM coordinate supplied by Thomson & Iles. All other points were branched from this using measured distances to coordinate them. This gives a ground level coordinate which is slightly different from UTM due to the high elevation.

The coordinates are easily transformed to UTM by multiplying the measured distance by the scale factor. The factor at elevation 1900 metres is 0.99946. The coordinates given on the following pages are ground level. This gives you actual distances between points within their areas.

* 6,000,000 has been subtracted from all northings because of redundancy.

EQUIPMENT

The equipment used on the Ketza project was chosen for its precision and dependability.

The theodolite was a WILD T1. This instrument has direct reading on the micrometer to 6 seconds. It is very durable and was used for the surface surveys as well as the underground survey.

The EDM (Electronic Distance Measuring) was also a WILD. It was a DI5 which fits on the telescope of the theodolite. This combination is very efficient for measuring angles and distances and has a high degree of accuracy. The range on the DI5 was a big factor as it has the capability of measuring better than 3.5 kilometers by using a single prism. Furthermore, it has a tracking mode for quick pickup for topo. The EDM was not used on the underground survey because of the short distance of the development.

The equipment used on the site was supplied by WILD LEITZ CANADA LTD., Richmond, B.C. on a rental basis.

SURFACE CONTROL STATIONS

STA. NO.	NORTHING	EASTING	ELEVATION	LOCATION	REMARKS
101	836177.913	616737.002	1574.92	Caribou 3	c,OIB
102	835701.070	615586.700	1956.22	NO. 3	c,OIB
103	836335.352	614720.057	1996.67	PT	c,OIB
104	836007.411	615296.013	1898.35	NO. 3	c,OIB
108	831788.000	614056.580	1879.08	PN,Lucky	c,OIB
111	836942.100	614709.735	1904.53	Groundhog	o,OIP
112	835572.665	615451.765	1951.38	No. 2	c,10"spike
113	831784.269	613465.592	1750.09	PN	o,3/4"steel
114	831819.495	613503.447	1748.53	Lucky	o,3/4"steel
115	835817.909	614910.832	1666.70	NO. 2	c,3/4"steel
116	836341.833	616227.386	1539.36	Caribou 3	o,3/4"steel
117	835752.430	615152.831	1746.76	Portal	c,3/4"steel

o	Open Traverse
c	Closed Traverse
OIB	1.6cm Iron Bar Set By THOMSON & ILES In 1987
OIP	1/2" Iron Pin Set By THOMSON & ILES In 1987

SURFACE CONTROL TRAVERSES

FROM STA. NO.	GRID AZIMUTH	HORIZONTAL DISTANCE	TO STA. NO.
101	247-29-03	1245.220	102
102	306-11-59	1073.957	103
103	119-39-24	662.775	104
104	136-30-07	422.308	102
104	230-30-40	1249.04*	105
108	068-01-33	1353.16*	109
111	144-45-12	1519.613	102
112	046-25-14	186.267	102
113	089-38-18	591.000	108
114	093-15-32	554.030	108
115	063-48-13	429.273	104
116	107-49-50	535.331	101
117	029-18-57	292.432	104

Grid azimuths are in degrees, minutes, and seconds.

Horizontal distances are in metres.

* Distance taken from THOMSON & ILES (1987).

SURVEYED CLAIM POSTS

CLAIM	POST NO.	TAG NO.	NORTHING	EASTING	STA. NO.
HV 93	2	YA99584	834943.54	614865.68	223
HV 94	2	YA99585	834943.54	614865.68	223
HV 95	1	YA99586	834943.54	614865.68	223
HV 95	2	YA99586	835342.02	614827.90	208
HV 96	1	YA99587	834943.54	614865.68	223
HV 96	2	YA99587	835342.02	614827.90	208
HV 97	1	YA99588	835342.02	614827.90	208
HV 97	2	YA99588	835771.90	614801.15	205
HV 98	1	YA99589	835342.02	614827.90	208
HV 98	2	YA99589	835771.90	614801.15	205
HV 99	1	YA99590	835771.90	614801.15	205
HV 99	2	YA99590	836110.63	614785.72	204
HV 100	1	YA99591	835771.90	614801.15	205
HV 100	2	YA99591	836110.63	614785.72	204
HV 101	1	YA99592	836110.63	614785.72	204
HV 101	2	YA99592	836546.69	614742.67	203
HV 102	1	YA99593	836110.63	614785.72	204
HV 102	2	YA99593	836546.69	614742.67	203
HV 103	1	YA99594	836546.69	614742.67	203
HV 103	2	YA99594	836941.51	614710.15	202
HV 104	1	YA99595	836546.69	614742.67	203
HV 104	2	YA99595	836941.51	614710.15	202
HV 105	1	YA99596	836941.51	614710.15	202
HV 105	1	YA99597	836941.51	614710.15	202
HV 263	1	YB01702	NOT	AVAILABLE	
HV 263	2	YB01702	834867.08	615513.44	212
HV 264	1	YB01703	NOT	AVAILABLE	
HV 264	2	YB01703	834867.08	615513.44	212

CLAIM	POST NO.	TAG NO.	NORTHING	EASTING	STA. NO.
HV 265	1	YB01704	834867.08	615513.44	212
HV 265	2	YB01704	835243.08	615501.22	211
HV 266	1	YB01705	834867.08	615513.44	212
HV 266	2	YB01705	835243.08	615501.22	211
HV 267	1	YB01706	835243.08	615501.22	211
HV 267	2	YB01706	835592.62	615472.71	213
HV 268	1	YB01707	835243.08	615501.22	211
HV 268	2	YB01707	835592.62	615472.71	213
HV 270	1	YB01708	835592.62	615472.71	213
HV 270	2	YB01708	836001.95	615444.38	218
HV 272	1	YB01709	836001.95	615444.38	218
VER 1	1	YA90975	835352.39	615855.63	224
VER 1	2	YA90975	835791.50	615810.26	214
VER 2	1	YA90976	835352.39	615855.63	224
VER 2	2	YA90976	835791.50	615810.26	214
VER 3	1	YA90977	835791.50	615810.26	214
VER 3	2	YA90977	836183.66	615783.60	219
VER 4	1	YA90978	835791.50	615810.26	214
VER 4	2	YA90978	836183.66	615783.60	219
VER 5	1	YA90979	836183.66	615783.60	219
VER 5	2	YA90979	836615.90	615698.08	220
VER 6	1	YA90980	836183.66	615783.60	219
VER 6	2	YA90980	836615.90	615698.08	220
VER 7	1	YA90981	836615.90	615698.08	220
VER 7	2	YA90981	837046.63	615662.41	221
VER 8	1	YA90981	836615.90	615698.08	220
VER 8	2	YA90981	837046.63	615662.41	221
VER 10	1	YA98610	837046.63	615662.41	221
VER 11	1	YA98611	837046.63	615662.41	221
CARIBOU 1	1	89296	836998.04	616900.31	229*
CARIBOU 1	2	89296	836644.72	616903.38	228*
CARIBOU 2	1	89297	836998.04	616900.31	229*

CLAIM	POST NO.	TAG NO.	NORTHING	EASTING	STA. NO.
CARIBOU 2	2	89297	836644.72	616903.38	228*
CARIBOU 3	1	89298	836354.64	616365.62	226*
CARIBOU 3	2	89298	NOT	FOUND	
JEFF 1	2	YA45703	831790.08	613460.18	230*
JEFF 2	2	YA45704	831790.08	613460.18	230*
JEFF 3	1	YA45705	831790.08	613460.18	230*
JEFF 4	1	YA45706	831790.08	613460.18	230*

Neighboring claims NOT owned by YUKON MINERALS CORPORATION

RAX 1	1	YA90479	835778.03	616132.79	217
RAX 1	2	YA90479	835337.46	616024.80	207
RAX 2	1	YA90480	835778.03	616132.79	217
RAX 2	2	YA90480	835337.46	616024.80	207
RAX 3	1	YA90481	835337.46	616024.80	207
RAX 3	2	YA90481	834874.57	615930.81	206
RAX 4	1	YA90482	835337.46	616024.80	207
RAX 4	2	YA90482	834874.57	615930.81	206
RAX 5	1	YA90483	834874.57	615930.81	206
RAX 5	2	YA90483	834596.82	615924.64	225
RAX 6	1	YA90484	834874.57	615930.81	206
RAX 6	2	YA90484	834596.82	615924.64	225
PAX 1	2	YA90471	836153.77	616661.56	215
PAX 2	2	YA90472	836153.77	616661.56	215
PAX 3	1	YA90473	836153.77	616661.56	215
PAX 3	2	YA90473	835711.70	616668.82	216
PAX 4	1	YA90474	836153.77	616661.56	215
PAX 4	2	YA90474	835711.70	616668.82	216
PAX 5	1	YA90475	835711.70	616668.82	216
PAX 5	2	YA90475	835222.95	616693.41	222**

CLAIM	POST NO.	TAG NO.	NORTHING	EASTING	STA. NO.
PAX 6	1	YA90476	835711.70	616668.82	216
PAX 6	2	YA90476	835222.95	616693.41	222**
PAX 7	1	YA90477	835222.95	616693.41	222**
PAX 8	1	YA90478	835222.95	616693.41	222**

All coordinates supplied by THOMSON & ILES, Surveyors & Engineers/Whitehorse except where noted (*).

* Ties made by POLARIS CONSULTING (1988)

** Location approximate, trig. tie only.

INTERMEDIATE CONTROL POINTS

STA. NO.	NORTHING	EASTING	ELEVATION	LOCATION	REMARKS
500	836924.61	614729.17	1899.82	Groundhog	10" spike
501	836927.05	614732.89	1898.04	Groundhog	10" spike
502	836921.18	614739.28	1896.35	Groundhog	10" spike
503	836918.17	614735.50	1898.49	Groundhog	10" spike
504	836915.72	614730.10	1900.72	Groundhog	10" spike
505	836909.95	614736.18	1899.47	Groundhog	6" spike
506	836919.03	614732.39	1899.61	Groundhog	6" spike
507	836922.60	614722.70	1903.00	Groundhog	10" spike
508	836931.49	614710.80	1904.33	Groundhog	6" spike
509*	836906.60	614753.91	1896.84	Groundhog	6" spike
510	835664.58	615540.72	1945.87	No. 3	10" spike
511	835658.86	615508.56	1952.29	No. 3	Destroyed
512	835658.21	615508.42	1952.26	No. 3	10" spike
513	835434.42	615391.38	1906.04	No. 2	10" spike
514	831809.61	613375.67	1727.75	PN	10" spike
515	831789.68	613377.41	1728.63	PN	10" spike
516	835423.97	615353.37	1909.59	No. 2	10" spike
517	831772.76	613390.49	1729.83	PN	10" spike
518	831753.65	613403.73	1731.47	PN	10" spike
519	831773.52	613352.95	1712.46	PN	10" spike
520	831762.39	613356.37	1713.71	PN	10" spike

STA. NO.	NORTHING	EASTING	ELEVATION	LOCATION	REMARKS
521	831779.51	613589.41	1716.82	Lucky	10" spike
522	831787.18	613596.36	1710.87	Lucky	10" spike
523	831826.36	613498.08	1747.64	Lucky	10" spike
524	831817.79	613511.36	1747.09	Lucky	10" spike
525	831802.73	613516.55	1746.67	Lucky	10" spike
526	831834.19	613491.96	1746.13	Lucky	10" spike
527	831826.51	613522.98	1738.28	Lucky	10" spike
528	831816.34	613531.88	1737.36	Lucky	10" spike
529	831837.81	613508.99	1740.17	Lucky	10" spike
530	831843.83	613502.67	1739.40	Lucky	10" spike
531	831841.42	613510.64	1737.87	Lucky	10" spike
532	835596.96	615465.05	1951.36	No. 3	10" spike
533	831748.75	613543.65	1746.84	Lucky	10" spike
534	831692.77	613660.96	1723.88	Lucky	10" spike
535	831778.28	613582.44	1716.96	Lucky	6" spike
536**	831799.69	613396.48	1729.35	PN	6" spike
537**	831794.14	613394.70	1729.13	PN	6" spike
538	835669.40	615532.00	1949.06	No. 3	10" spike
539	835450.58	615418.57	1909.04	No. 2	10" spike
540	835397.33	615509.18	1884.20	No. 2	10" spike
541	835430.29	615449.94	1897.72	No. 2	6" spike
542	835823.20	615418.93	1890.93	No. 3	10" spike
543	835539.45	615431.93	1938.24	"B" Zone	10" spike
544	835569.09	615490.82	1949.64	"A" Zone	10" spike
545	835406.48	615370.78	1899.31	No. 2	6" spike

STA. NO.	NORTHING	EASTING	ELEVATION	LOCATION	REMARKS
546	835396.76	615362.05	1900.49	No. 2	6" spike
547	835384.09	615348.92	1900.87	No. 2	6" spike
548	837101.76	615115.00	1823.08	Jenny	10" spike
549	836863.47	615092.99	1755.38	Jenny	3" nail
550	836821.04	615101.36	1756.96	Jenny	3" nail
551	836748.10	615138.34	1753.89	Jenny	3" nail
552	835392.30	615313.04	1918.86	No. 2	Wood Hub

Points 553-569 were not used.

570	835431.22	615385.28	1902.81	No. 2	6" spike
571	835419.53	615384.94	1899.15	No. 2	4" nail
572**	835408.53	615383.13	1898.45	No. 2	6" spike
573	835458.73	615427.30	1909.29	No. 2	6" spike
574**	835402.87	615400.10	1892.70	No. 2	6" spike
575	835367.52	615514.96	1872.48	No. 2	6" spike
576	835390.50	615450.43	1884.74	No. 2	6" spike
577**	835765.76	615459.08	1901.56	NO. 3	6" spike
578	835774.23	615442.25	1894.62	No. 3	6" spike
579	835731.64	615511.13	1928.92	No. 3	6" spike
580	835657.89	615445.01	1922.60	"A" Zone	6" spike
581	835645.95	615434.19	1920.96	"A" Zone	6" spike
582	835676.43	615433.66	1911.21	"A" Zone	6" spike
583	835699.74	615426.07	1902.83	"A" Zone	6" spike
584	835693.65	615420.08	1901.34	"A" Zone	6" spike

STA. NO.	NORTHING	EASTING	ELEVATION	LOCATION	REMARKS
585	835684.57	615412.55	1900.21	"A" Zone	6" spike
586	835679.16	615408.46	1899.23	"A" Zone	6" spike
587	835747.90	615472.56	1909.92	No. 3	6" spike
588	835738.62	615461.47	1907.44	No. 3	6" spike
589	835742.45	615417.52	1887.28	"A" Zone	6" spike
590	835735.41	615415.91	1888.00	"A" Zone	6" spike
591	835776.07	615388.62	1869.64	No. 3	6" spike
592	835787.32	615387.45	1869.89	No. 3	6" spike
593	835688.61	615389.97	1887.74	"A" Zone	6" spike
594	835555.81	615484.03	1945.53	"A" Zone	6" spike
595	835778.05	615369.46	1861.38	No. 3	6" spike
596	835773.63	615349.90	1848.84	No. 3	6" spike
597	835806.56	615344.85	1853.43	No. 3	6" spike
598	835763.12	615347.44	1848.30	No. 3	6" spike
599	835761.99	615327.16	1837.55	No. 3	6" spike
600	835767.82	615327.27	1836.94	No. 3	6" spike
601	835768.75	615303.29	1823.59	No. 3	6" spike
602	835762.92	615301.13	1824.04	No. 3	6" spike
603	835765.81	615270.90	1802.56	No. 3	6" spike
604	835761.00	615269.43	1802.82	No. 3	6" spike
605	835759.26	615242.04	1785.51	No. 3	6" spike
606	835747.32	615199.87	1764.07	No. 3	6" spike
607	835752.41	615199.93	1762.72	No. 3	6" spike
608	835763.58	615196.67	1760.26	No. 3	6" spike
609	835765.33	615168.66	1744.72	No. 3	6" spike

STA. NO.	NORTHING	EASTING	ELEVATION	LOCATION	REMARKS
610	835716.90	615158.43	1750.56	No. 3	6" spike
611	835704.4	615155.4	1750.7	No. 2	contact
612	835718.2	615161.7	1751.2	No. 2	contact
613	836300.10	616551.56	1545.33	Caribou 3	6" spike
614	836266.05	616662.51	1563.89	Caribou 3	6" spike
615	835742.6	615178.7	1751.7	No. 2	contact
616	835743.3	615179.4	1752.7	No. 2	contact
617	835747.7	615176.4	1750.1	No. 2	contact
618	835748.8	615177.4	1750.9	No. 2	contact
619	835746.0	615181.6	1754.9	No. 2	contact
620	835712.9	615230.7	1792.9	No. 2	contact
621	835708.4	615229.2	1792.2	No. 2	contact
622	835776.4	615170.2	1744.3	No. 2	contact
623	835712.45	615190.73	1766.68	No. 2	6" spike

*	Temporary point
**	Beginning of sample line
contact	Surface contact with mineralization

GROUNDHOG ZONE

SURVEY CONTROL

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
111	836942.100	614709.735	1904.53	OIP
500	836924.61	614729.17	1899.82	10" spike
501	836927.05	614732.89	1898.04	10" spike
502	836921.18	614739.28	1896.35	10" spike
503	836918.17	614735.50	1898.49	10" spike
504	836915.72	614730.1	1900.72	10" spike
505	836909.95	614736.18	1899.47	6" spike
506	836919.03	614732.39	1899.61	6" spike
507	836922.60	614722.70	1903.00	10" spike
508	836931.49	614710.80	1904.33	6" spike
509(temporary)	836906.60	614753.91	1896.84	6" spike
1*	836919.02	614723.39	1901.78	Line 1
78079	836923.02	614726.21	1900.96	Line 1
78086	836928.62	614730.12	1898.99	Line 1
2*	836914.77	614729.63	1900.82	Line 2
78087	836917.27	614731.17	1900.31	Line 2
78088	836918.44	614731.87	1899.93	Line 2
78089	836919.51	614732.44	1899.51	Line 2
78090	836920.70	614733.10	1899.03	Line 2
78091	836921.73	614733.72	1898.44	Line 2

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
78147	836923.27	614734.52	1897.72	Line 2
78148	836924.74	614735.01	1897.24	Line 2
3*	836908.12	614733.35	1900.44	Line 3
78150	836911.63	614735.86	1899.30	Line 3
78175	836916.95	614738.87	1896.72	Line 3

* Beginning Of Sample Line

Where line number is shown in REMARK column, the point is a 3" nail on the sample line noted.

Where SAMPLE NO. is shown, the point is at the end of the given sample.

JENNY ZONE

SURVEY CONTROL

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
548	837101.76	615115.00	1823.08	10" spike
549	836863.47	615092.99	1755.38	3" nail
550	836821.04	615101.36	1756.96	3" nail
551	836748.10	615138.34	1753.89	3" nail
1*	836855.98	615099.04	1753.48	Line 1
78176	836855.66	615098.17	1754.36	Line 1
78177	836855.75	615097.13	1755.25	Line 1
78178	836856.15	615095.37	1755.59	Line 1
78179	836856.47	615094.60	1755.62	Line 1
2*	836853.77	615098.77	1754.36	Line 2
78180	836854.02	615097.92	1754.80	Line 2
78181	836854.34	615096.83	1755.50	Line 2
78182	836854.52	615095.36	1755.82	Line 2
78183	836854.89	615o94.46	1756.00	Line 2

* Beginning Of Sample Line

Where line number is shown in REMARK column, the point is a 3" nail on the sample line noted.

Where SAMPLE NO. is shown, the point is at the end of the given sample.

NO. 3 & ZEUS ZONES

SURVEY CONTROL

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
102	835701.070	615586.700	1956.22	OIB
104	836007.411	615296.013	1898.35	OIB
510	835664.58	615540.72	1945.87	10" spike
511	835658.86	615508.56	1952.29	Destroyed
512	835658.21	615508.42	1952.26	10" spike
532	835596.96	615465.05	1951.36	10" spike
538	835669.40	615532.00	1949.06	10" spike
542	835823.20	615418.93	1890.93	10" spike
577*	835765.76	615459.08	1901.56	6" spike
578	835774.23	615442.25	1894.62	6" spike
579	835731.64	615511.13	1928.92	6" spike
587	835747.90	615472.56	1909.92	6" spike
588	835738.62	615461.47	1907.44	6" spike
591	835776.07	615388.62	1869.64	6" spike
592	835787.32	615387.45	1869.89	6" spike
595	835778.05	615369.46	1861.38	6" spike
596	835773.63	615349.90	1848.84	6" spike
597	835806.56	615344.85	1853.43	6" spike
598	835763.12	615347.44	1848.30	6" spike
599	835761.99	615327.16	1837.55	6" spike
600	835767.82	615327.27	1836.94	6" spike

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
601	835768.75	615303.29	1823.59	6" spike
602	835762.92	615301.13	1824.04	6" spike
603	835765.81	615270.90	1802.56	6" spike
604	835761.00	615269.43	1802.82	6" spike
605	835759.26	615242.04	1785.51	6" spike
606	835747.32	615199.87	1764.07	6" spike
607	835752.41	615199.93	1762.72	6" spike
608	835763.58	615196.67	1760.26	6" spike
609	835765.33	615168.66	1744.72	6" spike
610	835716.90	615158.43	1750.56	6" spike
1*	835644.53	615544.27	1942.68	0+41
77122	835646.13	615548.34	1941.05	0+41
77123	835646.48	615549.50	1940.73	0+41
2*	835647.54	615541.24	1944.84	0+45
77118	835652.30	615553.59	1941.58	0+45
3*	835652.10	615539.00	1946.36	0+50
77102	835653.99	615544.71	1942.91	0+50
77108	835656.99	615552.61	1943.10	0+50
4*	835657.16	615537.47	1947.36	0+55
77099	835662.05	615551.89	1944.83	0+55
5*	835661.64	615537.22	1946.49	0+58.5
77079	835665.65	615547.27	1944.41	0+58.5
77087	835669.44	615558.46	1946.45	0+58.5
6*	835666.68	615536.79	1946.79	0+65
77065	835667.60	615539.60	1944.76	0+65

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
77128	835673.04	615553.43	1946.80	0+65
7*	835671.01	615534.42	1946.93	0+70
77135	835674.99	615544.39	1944.75	0+70
77144	835678.95	615555.29	1947.84	0+70
8*	835674.39	615530.60	1947.54	0+75
77149	835676.59	615536.38	1945.06	0+75
77156	835679.69	615545.19	1945.44	0+75
77163	835682.90	615553.00	1949.12	0+75
9*	835678.49	615528.08	1946.04	0+80
77173	835683.27	615541.29	1944.98	0+80
77216	835687.27	615550.50	1949.07	0+80
10*	835682.73	615524.29	1944.95	0+85
77185	835687.91	615538.63	1944.21	0+85
77210	835691.77	615548.39	1947.71	0+85
11*	835687.91	615517.65	1942.47	0+90
77196	835695.03	615536.46	1942.94	0+90
77203	835698.17	615546.23	1947.06	0+90
12*	835695.20	615522.50	1940.91	0+95
77226	835701.82	615540.44	1943.61	0+95
77230	835703.78	615546.02	1946.10	0+95
13*	835702.00	615527.52	1939.59	1+00
77242	835707.71	615543.21	1943.63	1+00
77246	835709.40	615547.75	1945.51	1+00
14*	835707.87	615529.17	1939.22	1+05
77252	835711.37	615539.25	1941.75	1+05

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
77256	835713.29	615544.58	1944.03	1+05
15*	835717.09	615541.23	1941.79	1+10
78119	835714.50	615532.74	1938.58	1+10
16*	835721.10	615538.64	1939.43	1+15
78122	835720.29	615534.96	1938.10	1+15
17*	835725.90	615538.39	1939.09	1+20
78124	835725.19	615535.16	1937.54	1+20
18*	835730.75	615537.02	1937.77	1+25
78126	835730.30	615533.53	1936.46	1+25
19*	835735.45	615535.98	1936.51	1+30
78128	835734.91	615533.21	1935.45	1+30
20*	835740.28	615535.58	1935.20	1+35
78131	835739.34	615532.14	1934.31	1+35
21*	835744.81	615534.64	1933.55	1+40
78134	835743.70	615531.42	1933.31	1+40
22*	835749.57	615533.58	1932.47	1+45
78136	835748.69	615530.76	1931.89	1+45
23*	835753.77	615530.93	1930.90	1+50
78138	835753.03	615528.67	1930.56	1+50
577*	835765.76	615459.08	1901.56	1+78
77435	835752.16	615449.18	1899.90	1+78
24*	835770.96	615445.57	1896.16	1+88
77445	835758.07	615436.15	1892.73	1+88
25*	835778.30	615429.13	1888.25	2+01
77451	835769.08	615425.43	1887.22	2+01

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
26*	835776.29	615410.10	1879.61	2+21
77414	835790.29	615414.90	1882.51	2+21
77420	835801.23	615418.98	1885.60	2+21
27*	835809.68	615413.16	1884.23	2+39
78254	835805.50	615403.51	1878.92	2+39
78029	835801.90	615395.80	1874.80	2+39
28*	835814.17	615411.38	1884.33	2+44
78037	835809.15	615399.20	1877.37	2+44
29*	835814.81	615400.03	1878.84	2+49
78058	835809.59	615387.68	1872.98	2+49
30**	835814.65	615387.42	1873.94	2+54
31**	835818.61	615396.72	1878.03	2+54
32**	835829.94	615408.46	1885.59	2+60
78080	835824.81	615396.81	1879.67	2+60

OIB 1.6cm Iron Bar Set By THOMSON & ILES In 1987
* Beginning Of Sample Line
** Point Is In Line With Sample Line

Where stationing (e.g. 2+39) is shown in REMARK column, the point is a 3" nail, unless previously stated. The stationing is the SAMPLE LINE NO. which the point is set on.

Where SAMPLE NO. is shown, the point is at the end of the given sample.

"A" ZONE

SURVEY CONTROL

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
544	835569.09	615490.82	1949.64	10" spike
580	835657.89	615445.01	1922.60	6" spike
581	835645.95	615434.19	1920.96	6" spike
582	835676.43	615433.66	1911.21	6" spike
583	835699.74	615426.07	1902.83	6" spike
584	835693.65	615420.08	1901.34	6" spike
585	835684.57	615412.55	1900.21	6" spike
586	835679.16	615408.46	1899.23	6" spike
589	835742.45	615417.52	1887.28	6" spike
590	835735.41	615415.91	1888.00	6" spike
593	835688.61	615389.97	1887.74	6" spike
594	835555.81	615484.03	1945.43	6" spike
1*	835538.01	615493.11	1939.55	Line 1
78010	835539.67	615496.08	1939.74	Line 1
78007	835556.90	615483.72	1945.72	Line 2
2*	835559.04	615478.58	1946.51	Line 3
78005	835560.58	615480.50	1946.85	Line 3
78002	835563.65	615476.62	1947.42	Line 4
78001	835567.37	615473.74	1949.40	Line 5
77499	835571.31	615470.90	1950.19	Line 6
77498	835575.17	615467.91	1950.85	Line7

* Beginning Of Sample Line

Where line number is shown in REMARK column, the point is a 3" nail on the sample line noted.
Where SAMPLE NO. is shown, the point is at the end of the given sample.

"B" ZONE

SURVEY CONTROL

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
543	835539.45	615431.93	1938.24	10" spike
12*	835487.29	615442.52	1922.82	Line 1a
78146	835486.76	615437.58	1922.49	Line 1a
1*	835519.00	615440.02	1933.66	Line 1
77391	835519.82	615443.69	1933.51	Line 1
77392	835520.02	615444.70	1933.60	Line 1
2*	835523.08	615434.50	1932.98	Line 2
77396	835523.53	615439.68	1934.04	Line 2
77423	835525.28	615449.01	1936.25	Line 2
3*	835526.90	615431.34	1933.60	Line 3
77455	835528.18	615438.91	1935.51	Line 3
77461	835530.35	615447.92	1936.91	Line 3
4*	835531.65	615431.42	1935.20	Line 4
77466	835533.45	615440.09	1936.87	Line 4
77470	835534.14	615447.66	1939.01	Line 4
5*	835535.94	615432.76	1936.70	Line 5
77477	835539.16	615445.73	1939.82	Line 5
6*	835541.57	615431.47	1938.34	Line 6
77480	835543.00	615434.43	1938.15	Line 6
7*	835546.33	615430.04	1938.06	Line 7

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
77485	835548.57	615433.93	1939.05	Line 7
8*	835550.58	615428.03	1937.65	Line 8
77486	835551.32	615428.92	1937.43	Line 8
9*	835553.59	615424.19	1936.58	Line 9
77491	835555.48	615426.21	1936.80	Line 9
10*	835556.97	615421.01	1935.30	Line 10
77494	835559.72	615423.74	1935.63	Line 10
11*	835561.25	615417.95	1933.94	Line 11
77497	835563.43	615420.92	1934.45	Line 11

* Beginning Of Sample Line

Where line number is shown in REMARK column, the point is a 3" nail on the sample line noted.

Where SAMPLE NO. is shown, the point is at the end of the given sample.

NO. 2 ZONE

SURVEY CONTROL

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
112	835572.665	615451.765	1951.38	10" spike
115	835817.909	614910.832	1666.70	3/4"steel
513	835434.42	615391.38	1906.04	10" spike
516	835423.97	615353.37	1909.59	10" spike
539	835450.58	615418.57	1909.04	10" spike
540	835397.33	615509.18	1884.20	10" spike
541	835430.29	615449.94	1897.72	6" spike
545	835406.48	615370.78	1899.31	6" spike
546	835396.76	615362.05	1900.49	6" spike
547	835384.09	615348.92	1900.87	6" spike
552	835392.30	615313.04	1918.86	Wood Hub
570	835431.22	615385.28	1902.81	6" spike
571	835419.53	615384.94	1899.15	4" nail
572*	835408.53	615383.13	1898.45	6" spike
573	835458.73	615427.30	1909.29	6" spike
574*	835402.87	615400.10	1892.70	6" spike
575**	835367.52	615514.96	1872.48	6" spike
576**	835390.50	615450.43	1884.74	6" spike
611	835704.4	615155.4	1750.7	contact
612	835718.2	615161.7	1751.2	contact
615	835742.6	615178.7	1751.7	contact
616	835743.3	615179.4	1752.7	contact

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
617	835747.7	615176.4	1750.1	contact
618	835748.8	615177.4	1750.9	contact
619	835746.0	615181.6	1754.9	contact
620	835712.9	615230.7	1792.9	contact
621	835708.4	615229.2	1792.2	contact
622	835776.4	615170.2	1744.3	contact
623	835712.45	615190.73	1766.68	6" spike
1*	835448.87	615322.40	1910.89	Line 1
77260	835454.86	615327.38	1908.55	Line 1
77262	835457.18	615328.86	1908.53	Line 1
2*	835446.64	615327.00	1911.03	Line 2
77271	835458.38	615335.84	1910.07	Line 2
3*	835445.60	615332.67	1911.15	Line 3
77275	835450.01	615335.80	1909.65	Line 3
77279	835454.72	615339.19	1909.40	Line 3
4*	835442.17	615335.97	1911.52	Line 4
77288	835452.44	615343.62	1910.13	Line 4
5*	835440.26	615340.80	1910.54	Line 5
77295	835450.00	615347.93	1909.55	Line 5
6*	835437.32	615344.58	1909.35	Line 6
77302	835445.82	615351.04	1909.14	Line 6
77303	835447.40	615352.08	1909.41	Line 6
7*	835433.61	615348.28	1909.15	Line 7
77313	835444.66	615356.13	1909.39	Line 7
8*	835429.81	615351.32	1908.67	Line 8
77319	835439.33	615358.48	1907.84	Line 8

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
77322	835442.60	615360.72	1908.08	Line 8
9*	835425.57	615354.42	1908.21	Line 9
77333	835440.07	615366.11	1908.15	Line 9
10*	835421.09	615355.05	1907.47	Line 10
77344	835433.15	615366.54	1906.25	Line 10
572*	835408.53	615383.13	1898.45	Line 11
571 / 77388	835419.53	615384.94	1899.15	Line 11
572 / 77357	835431.22	615385.28	1902.81	Line 11
11*	835382.30	615387.53	1889.52	Line 12
78153	835387.34	615392.30	1890.48	Line 12
78156	835392.30	615394.74	1891.60	Line 12
574*	835402.87	615400.10	1892.70	Line 12
77363	835412.83	615403.83	1893.63	Line 12
77371	835422.97	615407.96	1895.83	Line 12
77376	835430.75	615412.90	1898.32	Line 12
77378	835442.53	615423.63	1902.87	Line 12
576**	835390.49	615450.43	1884.74	Line 13
77379	835419.33	615450.31	1892.95	Line 13
575**	835367.52	615514.96	1872.48	Line 14
77387	835388.40	615510.25	1878.60	Line 14

* Beginning Of Sample Line
** Point Is In Line With Sample Line
contact Surface Contact With Mineralization

Where line number is shown in REMARK column, the point is a 3" nail, unless previously stated. The point is set on the sample line.
Where SAMPLE NO. is shown the point is at the end of the given sample.

PN ZONE

SURVEY CONTROL

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
108	831788.000	614056.580	1879.0	OIB
113	831784.269	613465.592	1750.09	3/4"steel
514	831809.61	613375.67	1727.75	10" spike
515	831789.68	613377.41	1728.63	10" spike
517	831772.76	613390.49	1729.83	10" spike
518	831753.65	613403.73	1731.47	10" spike
519	831773.52	613352.95	1712.46	10" spike
520	831762.39	613356.37	1713.71	10" spike
536*	831799.69	613396.48	1729.35	6" spike
537*	831794.14	613394.70	1729.13	6" spike
1*	831789.17	613394.86	1729.51	0+76
77051	831789.34	613393.01	1729.12	0+76
537*	831794.14	613394.70	1729.13	0+81
77054	831794.10	613392.90	1728.90	0+81
536*	831799.69	613396.48	1729.35	0+86
77404	831799.05	613393.61	1728.77	0+86
2*	831804.29	613394.01	1728.94	0+91
77406	831804.06	613392.74	1728.50	0+91

OIB 1.6cm Iron Bar Set By THOMSON & ILES In 1987
* Beginning Of Sample Line

Where stationing (e.g. 0+86) is shown in REMARK column, the point is a 3" nail, unless previously stated. The stationing is the SAMPLE LINE NO. which the point is set on.
Where SAMPLE NO. is shown, the point is at the end of the given sample.

LUCKY & LUCKY(MF) ZONES

SURVEY CONTROL

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
108	831788.000	614056.580	1879.08	OIB
114	831819.495	613503.447	1748.53	3/4"steel
521	831779.51	613589.41	1716.82	10" spike
522	831787.18	613596.36	1710.87	10" spike
523	831826.36	613498.08	1747.64	10" spike
524	831817.79	613511.36	1747.09	10" spike
525	831802.73	613516.55	1746.67	10" spike
526	831834.19	613491.96	1746.13	10" spike
527	831826.51	613522.98	1738.28	10" spike
528	831816.34	613531.88	1737.36	10" spike
529	831837.81	613508.99	1740.17	10" spike
530	831843.83	613502.67	1739.40	10" spike
531	831841.42	613510.64	1737.87	10" spike
533	831748.75	613543.65	1746.84	10" spike
534	831692.77	613660.96	1723.88	10" spike
535	831778.28	613582.44	1716.96	6" spike
3*	831775.92	613587.70	1715.02	0+05
77014	831775.26	613584.10	1716.25	0+05
4*	831782.16	613587.42	1714.35	0+10
1**	831778.08	613582.18	1716.96	0+10
77008	831777.54	613581.49	1717.58	0+10

STA. NO./SAMPLE NO.	NORTHING	EASTING	ELEVATION	REMARKS
2**	831798.70	613575.37	1715.39	0+30
5*	831818.87	613533.99	1735.42	0+70
528 / 77048	831816.34	613531.88	1737.36	0+70
77042	831821.22	613530.67	1736.11	0+75
77044	831819.25	613528.78	1737.48	0+75
77039	831824.29	613526.71	1736.85	0+80
77041	831822.63	613525.15	1738.26	0+80
6*	831828.61	613524.29	1737.50	0+85
77037	831827.01	613522.11	1738.29	0+85
7*	831833.27	613522.02	1737.25	0+90
77034	831830.57	613518.74	1738.24	0+90
77026	831837.80	613517.98	1736.65	0+95
77030	831834.71	613514.85	1738.73	0+95
8*	831840.29	613516.32	1736.53	1+00
77025	831837.98	613513.61	1737.79	1+00
9*	831844.16	613512.78	1736.55	1+05
77020	831842.23	613509.45	1736.89	1+05
77015	831847.18	613508.90	1736.25	1+10
77017	831845.84	613506.81	1736.84	1+10

OIB 1.6cm Iron Bar Set By THOMSON & ILES In 1987
* Beginning Of Sample Line
** 6" Spike Set On Sample Line

Where stationing (e.g. 0+95) is shown in REMARK column, the point is a 3" nail, unless previously stated. The stationing is the SAMPLE LINE NO. which the point is set on.
Where SAMPLE NO. is shown, the point is at the end of the given sample.

1988 DRILL HOLE DATA

DRILL HOLE NO.	ZONE	SECTION	NORTHING	EASTING	ELEV.	GRID AZ.	LENGTH	DIP	COMPONENTS HORIZ.	COMPONENTS VERT.	DATE DRILLED STARTED	DATE DRILLED COMPLETED
YM88-1	GH	0+25	836903.57	614723.26	1902.83	30	37.80	-45	26.73	26.73	5-14 d	5-15 n
YM88-2	GH	0+25	836880.47	614710.51	1900.32	30	53.34	-45	37.72	37.72	5-16 d	5-18 d
YM88-3	GH	0+50	836915.86	614701.73	1902.44	30	27.54	-65	11.72	25.14	5-18 n	5-19 n
YM88-4	GH	0+25	836929.79	614738.82	1897.69	210	35.05	-45	25.27	24.29	5-27 d	5-28 d
					Acid Test Taken At		30.48	-43				
YM88-5	GH	0+00	836889.64	614744.37	1899.31	30	30.48	-45	21.55	21.55	5-28 n	5-29 n
YM88-6	No.3	0+58.5	835654.95	615518.72	1953.20	70	48.77	-45	36.14	32.70	5-30 d	6-2 d
					Acid Test Taken At		14.63	-40				
					Acid Test Taken At		48.77	-42				
YM88-7	No.3	0+58.5	835647.55	615498.08	1951.66	70	63.72	-45	46.23	43.84	6-2 n	6-5 d
					Acid Test Taken At		30.48	-43				
					Acid Test Taken At		63.72	-43				
YM88-8	No.3	0+58.5	835647.17	615496.84	1951.77	70	65.23	-74	17.98	62.70	6-5 d	6-7 d
YM88-9	No.3	0+90	835681.02	615498.14	1940.97	70	41.76	-45	30.28	28.73	6-7 n	6-9 d
					Acid Test Taken At		41.76	-42				
YM88-10	No.3	0+90	835680.41	615496.56	1940.82	70	46.33	-85	4.24	46.13	6-9 d	6-10 n
					Acid Test Taken At		46.33	-84.5				
YM88-11	No.3	0+30	835622.31	615511.72	1952.64	70	59.13	-45	41.81	41.81	6-10 n	6-12 d
					Acid Test Taken At		55.47	-45				
YM88-12	No.3	0+30	835621.69	615510.21	1952.71	70	78.33	-85	6.83	78.04	6-12 d	6-13 n
YM88-13	No.3	1+14	835699.11	615477.20	1928.79	70	35.66	-48	24.20	26.18	6-13 n	6-14 n
					Acid Test Taken At		35.66	-46.5				
YM88-14	No.3	1+14	835698.75	615475.92	1928.56	70	50.90	-87	3.11	50.81	6-14 n	6-15 d
					Acid Test Taken At		50.90	-86				
YM88-15	No.2	0+00	835438.11	615394.22	1906.74	218	75.29	-65	32.41	67.95	6-15 n	6-17 n
YM88-15					Acid Test Taken At		75.29	-64				
YM88-16	No.2	0+48.6	835475.83	615362.14	1918.08	218	56.69	-45	40.09	40.09	6-17 n	6-19 n
					Acid Test Taken At		56.69	-45				

DRILL HOLE NO.	ZONE	SECTION	NORTHING	EASTING	ELEV.	GRID AZ.	LENGTH	DIP	COMPONENTS HORIZ.	COMPONENTS VERT.	DATE DRILLED STARTED	DATE DRILLED COMPLETED
YM88-17	No.2	0+23.5	835476.55	615362.55	1917.82	218	59.74	-65	27.16	53.17	6-20 d	6-21 d
					Acid Test Taken At		57.91	-61				
YM88-18	No.2	0+23.5	835458.92	615380.63	1913.38	218	39.93	-55	23.46	32.29	6-21 d	6-22 d
	Acid Test Taken At 39.93		-53									
YM88-19	No.2	0+23.5	835459.83	615381.28	1913.41	218	58.52	-85	3.83	58.38	6-22 d	6-23 d
					Acid Test Taken At		58.52	-87.5				
YM88-20	No.2	0+00	835458.82	615410.37	1913.16	218	63.09	-65	27.16	56.94	6-23 n	6-24 d
					Acid Test Taken At		63.09	-64				
YM88-21	PN	1+00	831813.85	613399.80	1731.77	265	31.70	-70	10.84	29.79	6-25 d	6-26 d
YM88-22	PN	1+00	831813.91	613400.45	1731.58	-	32.61	-90	0.00	32.61	6-26 d	6-26 n
YM88-23	PN	0+80	831794.78	613416.94	1735.67	265	34.14	-48	23.06	25.16	6-27 d	6-27 n
					Acid Test Taken At		34.14	-47				
YM88-24	PN	0+80	831794.74	613417.95	1735.75	265	40.23	-70	13.76	37.81	6-28 d	6-28 n
YM88-25	Lucky	1+00	831844.53	613521.44	1737.13	-	22.25	-90	0.00	22.25	6-28 n	6-29 d
YM88-26	Lucky	1+00	831844.98	613521.92	1737.03	52	43.28	-76	11.21	41.80	6-29 d	6-29 n
					Acid Test Taken At		43.28	-74				
YM88-27	Lucky	0+85	831832.55	613530.22	1737.06	-	20.42	-90	0.00	20.42	6-30 d	6-30 d
YM88-28	Lucky	0+85	831832.98	613530.79	1737.08	52	37.80	-73	12.61	35.59	6-30 d	7-1 d
					Acid Test Taken At		37.80	-68				
YM88-29	Lucky	1+10	831852.76	613515.60	1736.37	-	20.12	-90	0.00	20.12	7-1 d	7-1 n
YM88-30	Lucky	1+10	831853.12	613516.07	1736.27	52	27.43	-78	5.70	26.83	7-1 n	7-2 d
YM88-31	PN	0+60	831775.41	613419.58	1736.76	265	35.66	-45	25.22	25.22	7-21 d	7-22 d
YM88-32	PN	0+60	831775.48	613420.65	1736.79	265	51.82	-66	21.08	47.34	7-22 d	7-24 d
YM88-33	MF	0+10	831783.54	613589.20	1714.10	248	17.98	-82	2.50	17.81	7-24 n	7-25 d
YM88-34	MF	0+10	831808.03	613621.10	1686.14	232	45.42	-40	34.79	29.19	7-25 d	7-27 n
YM88-35	No.3	0+58.5	835628.83	615446.99	1931.76	70	85.95	-50	56.25	64.99	7-30 d	8-5 n
					Acid Test Taken At		42.67	-48.5				
					Acid Test Taken At		85.95	-49.5				
YM88-36	No.3	0+58.5	835628.38	615445.84	1931.76	70	109.42	-77	26.89	105.87	8-5 n	8-11 n
					Acid Test Taken At		53.34	-76				
					Acid Test Taken At		106.68	-73				

DRILL HOLE NO.	ZONE	SECTION	NORTHING	EASTING	ELEV.	GRID AZ.	LENGTH	DIP	COMPONENTS HORIZ.	COMPONENTS VERT.	DATE DRILLED STARTED	DATE DRILLED COMPLETED
YM88-37	No.3	0+90	835656.65	615431.05	1918.27	70	79.25	-45	57.92	54.02	8-11 n	8-13 n
					Acid Test Taken At		79.25	-41				
YM88-38	No.3	0+90	835656.24	615429.85	1918.23	70	85.65	-70	28.94	80.61	8-14 d	8-16 d
	Acid Test Taken At 43.00 -70.5											
					Acid Test Taken At		85.65	-70				
YM88-39	No.3	1+14	835681.06	615428.27	1909.72	70	64.62	-50	41.54	49.50	8-16 n	8-17 n
					Acid Test Taken At		64.62	-50				
YM88-40	No.3	1+61	835714.01	615432.50	1902.93	58	46.33	-45	32.76	32.76	8-18 d	8-19 d
					Acid Test Taken At		46.33	-45				
YM88-41	No.3	1+61	835685.24	615386.19	1886.40	58	89.00	-45	62.93	62.93	8-19 d	8-22 n
					Acid Test Taken At		89.00	-45				
YM88-42	No.2	3+30	835743.82	615161.65	1747.53	238	61.11	-60	32.36	51.76	8-23 d	8-24 n
					Acid Test Taken At		61.11	-56				
YM88-43	No.3a	3+30	835743.25	615160.70	1747.38	58	66.90	-50	43.00	51.25	8-25 d	8-26 n
					Acid Test Taken At		61.57	-50				
YM88-44	PT	11+97	836524.13	614773.88	1922.63	58	53.95	-45	38.15	38.15	8-27 d	8-28 d
YM88-45	PT	11+97	836523.38	614772.70	1922.52	58	49.07	-80	9.36	48.16	8-28 n	8-29 n
					Acid Test Taken At		49.07	-78				

ZONES; GH - Groundhog Zone
MF - Lucky(MF)

DATE DRILLED; d - Dayshift
n - Nightshift

All coordinates, elevations, and lengths are in metres.

All grid azimuths and dips are in degrees.

All holes were drilled in 1988 using a HQ core, and total length drilled was 2,285.7 metres or 7,499 feet.

1747 LEVEL

UNDERGROUND CONTROL STATIONS

STA. NO.	NORTHING	EASTING	ELEVATION	REMARKS
*117	835752.430	615152.831	1746.76	3/4" steel
1-1	835731.54	615184.94	1749.99	Spad
1-2	835725.26	615196.39	1750.16	Spad
1-3	835708.14	615209.08	1750.11	Spad
1-4	835703.05	615224.45	1750.37	Spad
1-5	835688.28	615251.27	1750.65	Spad
1-6	835674.87	615275.61	1751.35	Spad
1-7	835655.60	615310.57	1751.20	Spad
1-8	835635.22	615347.56	1751.76	Spad
1-9	835613.55	615386.86	1752.26	Spad
1-10	835598.11	615414.84	1752.05	Spad
*1-10A	835588.44	615432.81	1751.77	Spad
1-11	835699.04	615231.22	1750.54	Spad
*1-11A	835705.47	615238.46	1748.49	Mark

*117; surface station at portal.

*1-10A; temporary spad set in face at end of workings.

*1-11A; temporary paint mark on face at end of sump.

All other points are spads in wooden plugs set in back.

1747 LEVEL

UNDERGROUND TRAVERSE

FROM STA. NO.	GRID AZIMUTH	HORIZONTAL DISTANCE	TO STA. NO.
117	123-02-48	38.308	1-1
1-1	118-44-38	13.055	1-2
1-2	143-26-38	21.313	1-3
1-3	108-19-20	16.184	1-4
1-4	118-50-54	30.624	1-5
1-5	118-51-17	27.793	1-6
1-6	118-51-19	39.911	1-7
1-7	118-51-34	42.243	1-8
1-8	118-52-06	44.872	1-9
1-9	118-53-21	31.958	1-10
1-10	118-18-20	20.41	1-10A
1-4	120-36-43	7.876	1-11
1-11	048-24-20	9.68	1-11A

Grid azimuths are in degrees, minutes, and seconds.

Horizontal distances are in metres.

YUKON MINERALS CORPORATION

PERREX RESOURCES INCORPORATED

JOINT VENTURE

AREA A

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

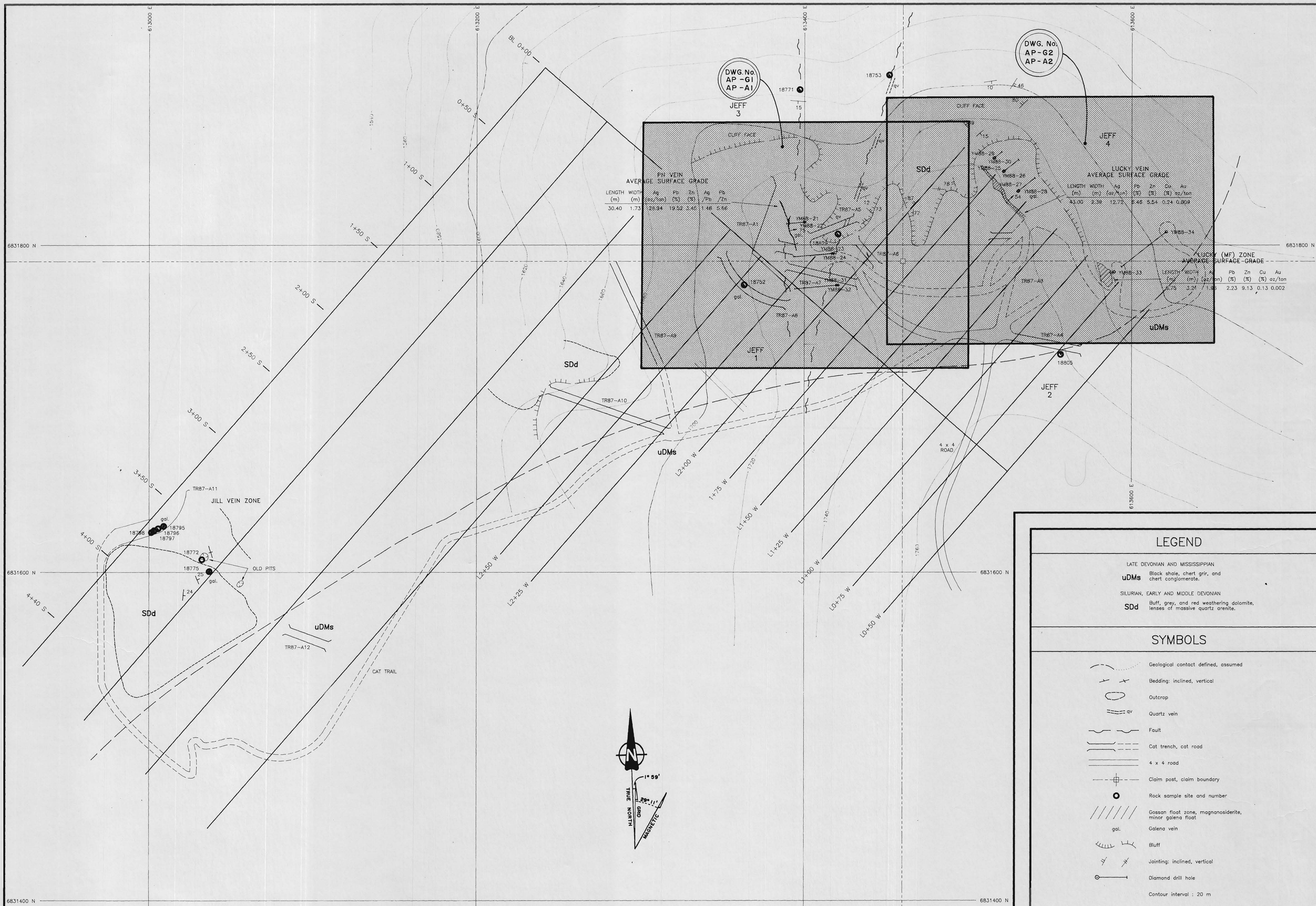
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N, LONG 132° 52' W, NTS 105 F/10

To Accompany Report By B P FOWLER, P Geol

Compilation Of Work Done On Property During APRIL To NOVEMBER, 1988

Data Compiled By B P FOWLER, P Geol
Project Manager
POLARIS CONSULTING
Reg Harding

Dated DECEMBER 31, 1988



INDEX

DWG. No. (AREA/ZONE)(VIEW)—(TYPE)(PLAN No.)

AREA / ZONE		VIEW	TYPE	PLAN No.
"A"	P – PN L – LUCKY – LUCKY (MF)	P – SURFACE PLAN S – DRILL SECTION L – LONGITUDINAL U – UNDERGROUND	G – GEOLOGY A – ASSAY R – RESERVE S – SURVEY GY – GEOPHYSICS GS – GEOLOGY SECTION	NUMBERED SEQUENTIALLY BY AREA/ZONE AND VIEW.
"B"	2 – No. 2 – No. 2A 3 – No. 3 – No. 3A Z – ZEUS – DELTA – A VEIN – B VEIN – C VEIN			
"C"	G – GROUNDHOG – JENNY PT – PT ZONE			

LEGEND

LATE DEVONIAN AND MISSISSIPPIAN

uDMs Black shale, chert grit, and chert conglomerate.

SILURIAN, EARLY AND MIDDLE DEVONIAN

SDd Buff, grey, and red weathering dolomite, lenses of massive quartz arenite.

SYMBOLS

- Geological contact defined, assumed
- Bedding: inclined, vertical
- Outcrop
- qv — Quartz vein
- Fault
- Cat trench, cat road
- 4 x 4 road
- Claim post, claim boundary
- Rock sample site and number
- Gossan float zone, magnanosiderite, minor galena float
- gal. — Galena vein
- Bluff
- Jointing: inclined, vertical
- Diamond drill hole
- Contour interval : 20 m

REVISIONS

* MODIFIED AFTER G.DAVIDSON, 1987

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

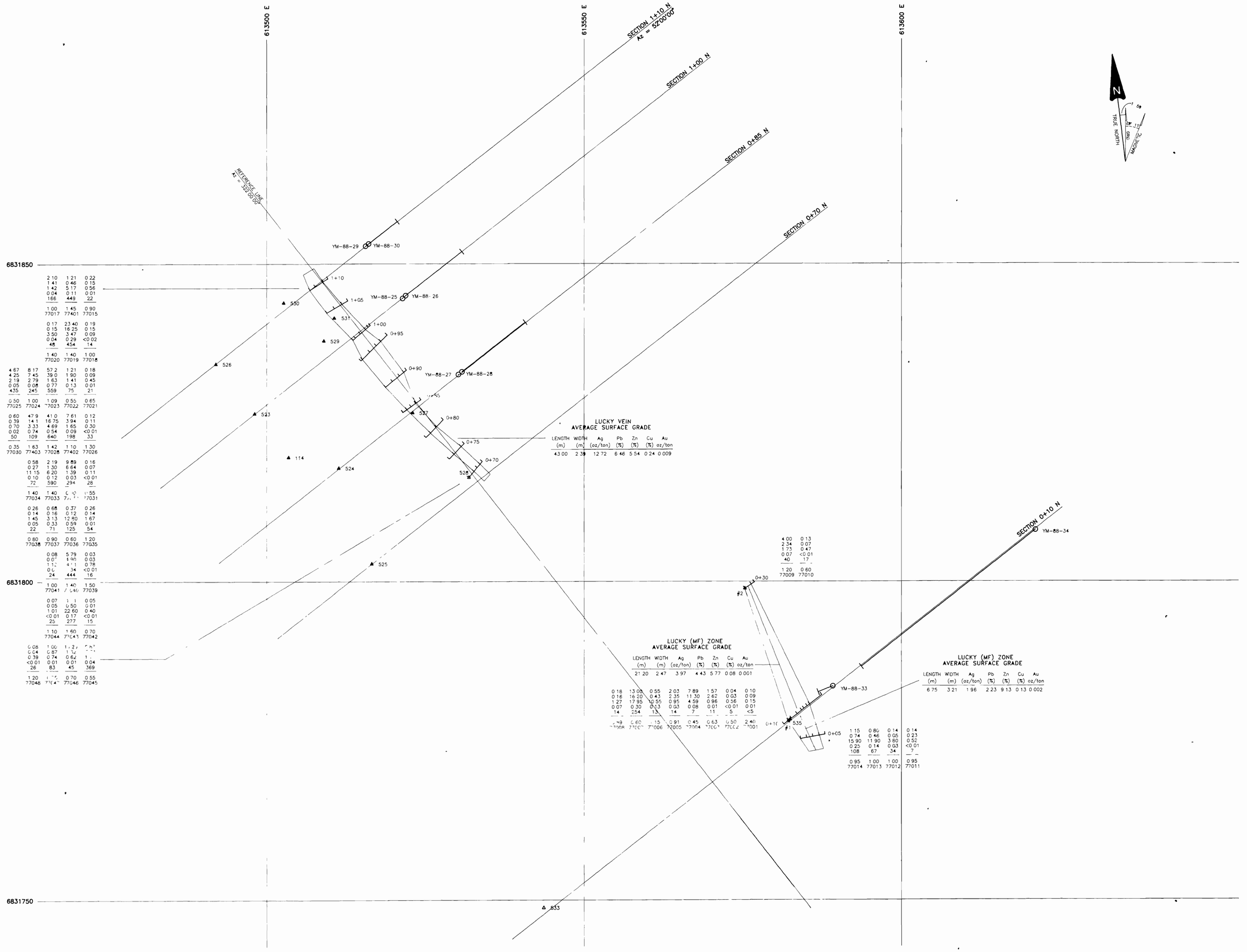
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:1000

METRES 0 10 20 40 60 80 100 120 METRES
FEET 0 10 30 90 150 210 270 330 390 FEET

AREA "A" INDEX PLAN
PN – LUCKY ZONES

DATE: 88-12-14	TECH.: G.D./M.I./P.R./R.H./B.P.F.	DWG. No. A-1
DRAWN BY: *NEW CONCEPT DRAFTING LTD.*		



REVISIONS

LEGEND

TO ACCOMPANY REPORT BY B P FOWLER P GEOL DATED 31 DECEMBER 1988

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60 (INCLINATION)
65 00 (LENGTH - metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz/ton) | Pb % | Zn % | Au ppb | CORE RECOVERY LENGTH %

Cu (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz/ton) | Pb % | Zn % | Au (oz/ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

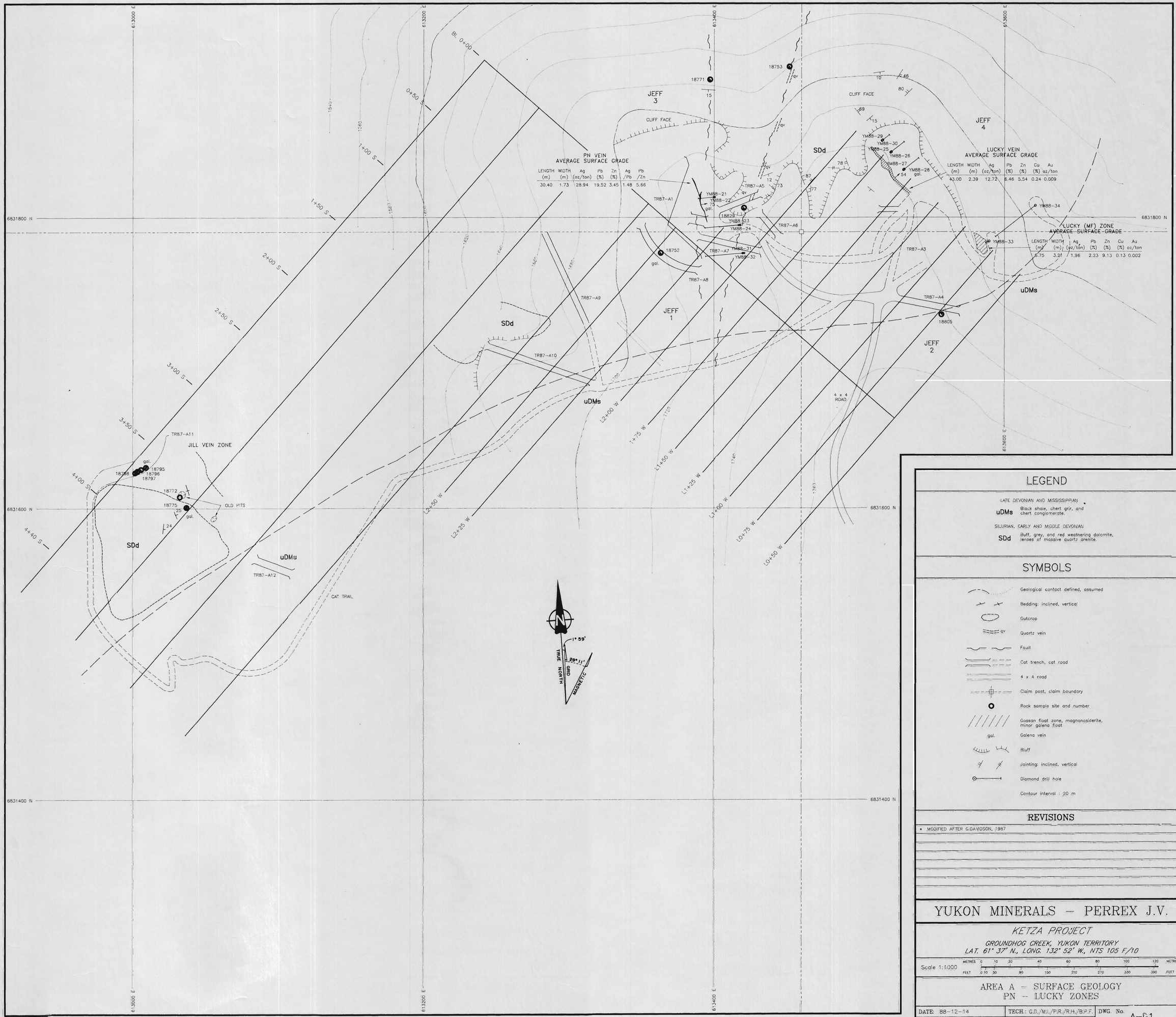
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

LUCKY ZONE
SURFACE ASSAY PLAN

DATE 88-12-19 | TECH R H/B P F | DWG No AP-A2

DRAWN BY NEW CONCEPT DRAFTING LTD



LEGEND

LATE DEVONIAN AND MISSISSIPPIAN

uDMs Black shale, chert grit, and chert conglomerate.

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SDd Buff, grey, and red weathering dolomite, lenses of massive quartz arenite.

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- Rock sample site and number
- Gossan float zone, magnanosiderite, minor galena float
- gal. — Galena vein
- Bluff
- Jointing: inclined, vertical
- Diamond drill hole
- Contour interval : 20 m

REVISIONS

- MODIFIED AFTER G.DAVIDSON, 1987

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

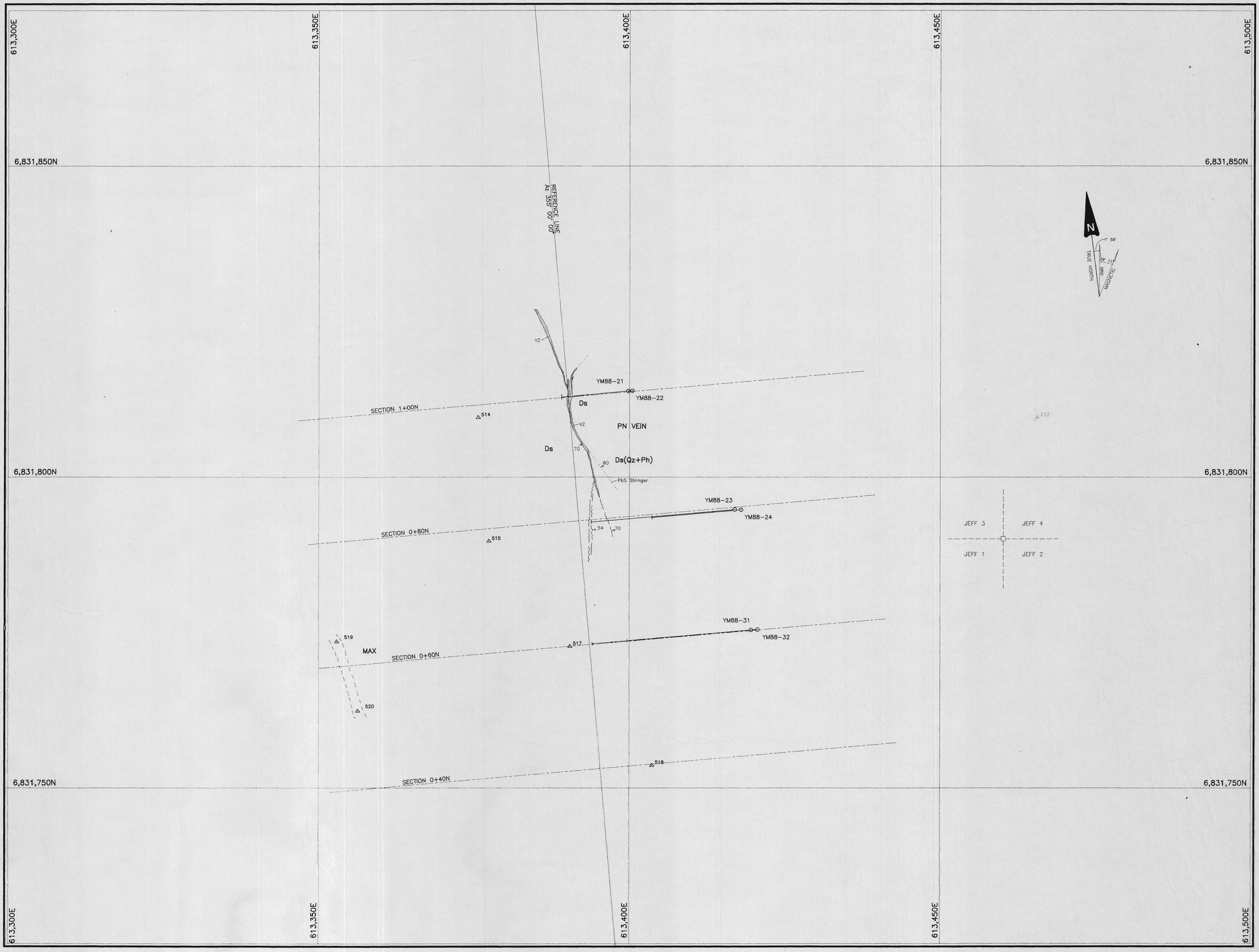
Scale 1:1000

METRES 0 10 20 40 60 80 100 120 METRES
FEET 0 30 90 150 210 270 330 390 FEET

AREA A – SURFACE GEOLOGY
PN – LUCKY ZONES

DATE: 88-12-14 | TECH.: G.D./M.I./P.R./R.H./B.P.F. | DWG. No. A-G1

DRAWN BY: *NEW CONCEPT DRAFTING LTD.*



REVISIONS

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL DATED 31 DECEMBER 1988

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
i	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE; massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE; gouge/breccia zone with >30% limonite matrix +/- massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE; >1% clotted, disseminated galena +/- sphalerite; <30% limonite
SZ SPHALERITE ZONE; >1% clotted, disseminated sphalerite +/- galena; <30% limonite
PZ PYRITE ZONE; massive, clotted pyrite
QV QUARTZ VEIN; (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Ds(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damph Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsi Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- u€Osiv Grey - buff calcareous phyllite; thinly laminated
- u€Ob Dark green mafic flow or sill

EARLY CAMBRIAN
- l€csi Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE:
Elevations are Geodetic.
All distances and elevations are in metres unless noted.

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
SURFACE GEOLOGY

DATE: DECEMBER 31, 1988 | TECH.: G.D. / B.P.F. / R.H. | DWG. No. AP-G1

DRAWN BY: NEW CONCEPT DRAFTING LTD.

613,300E | 613,350E | 613,400E | 613,450E | 613,500E

6,831,850N

6,831,800N

6,831,750N

REFERENCE LINE
AZ. 355° 00' 00"

SECTION 1+00N

SECTION 0+80N

SECTION 0+60N

SECTION 0+40N

YM88-21

YM88-22

YM88-23

YM88-24

YM88-31

YM88-32

514

515

517

518

519

520

536

537

1+06* | 44.8 / 35.5 / 16.5 / NA / NA | 0.45 / 18976
1+11* | 134.0 / 72.79 / 1.39 / NA / NA | 0.40 / 18851
0+99* | 13.10 / 11.50 / 5.69 / NA / NA | 120.0 / 67.9 / 1.83 / NA / NA | 1.50 / 18987 | 0.78 / 18988
0+97.5* | 23.2 / 34.0 / 2.16 / NA / NA | 2.25 / 1.55 / 1.47 / NA / NA | 102.0 / 71.80 / 0.37 / NA / NA | 1.42 / 1.03 / 0.65 / NA / NA | 0.22 / 18990 | 1.78 / 18931 | 0.42 / 18992 | 1.08 / 18993
0+97 | 0.74 / 0.47 / 1.43 / 0.02 / 13 | 47.8 / 27.3 / 11.6 / 0.63 / 34 | 41.6 / 27.6 / 6.33 / 0.73 / 282 | 3.31 / 1.58 / 2.56 / 0.07 / 66 | 0.40 / 77406 | 0.30 / 77405 | 0.30 / 77061 | 0.30 / 77060
0+56 | 1.08 / 0.49 / 1.28 / 0.03 / 21 | 136.0 / 49.00 / 2.02 / 1.89 / 135 | 5.32 / 3.04 / 3.17 / 0.14 / 55 | 2.92 / 1.50 / 2.50 / 0.05 / 33 | 89.5 / 44.6 / 0.34 / 0.77 / 65 | 0.70 / 77404 | 0.40 / 77056 | 0.50 / 77055 | 1.30 / 77058 | 0.30 / 77059
0+81 | 0.58 / 0.22 / 0.30 / 0.01 / 12 | 5.47 / 1.50 / 1.93 / 0.15 / 57 | 0.31 / 0.13 / 2.32 / 0.02 / 9 | 0.60 / 77054 | 0.50 / 77053 | 0.60 / 77052
0+76 | 0.21 / 0.11 / 0.30 / <0.01 / 8 | 1.08 / 0.65 / 1.76 / 0.03 / 50 | 0.38 / 0.12 / 1.05 / 0.01 / 9 | 0.50 / 77051 | 0.60 / 77050 | 0.30 / 77049
1+05* | 123.0 / 62.9 / 1.82 / NA / NA | 15.6 / 11.95 / 9.05 / NA / NA | 0.15 / 18977 | 3.20 / 18978
1+03* | 8.30 / 9.55 / 6.32 / NA / NA | 72.40 / 79.10 / 1.60 / NA / NA | 11.20 / 9.00 / 9.05 / NA / NA | 0.70 / 18979 | 0.05 / 18980 | 2.65 / 18981
1+01* | 6.94 / 5.81 / 10.35 / NA / NA | 16.50 / 14.10 / 0.10 / NA / NA | 68.9 / 57.9 / 1.91 / NA / NA | NA / NA / NA / NA / NA | 0.80 / 18982 | 0.70 / 18983 | 1.00 / 18984 | 1.00 / 18985
1+00* | 122.0 / 65.6 / 1.65 / NA / NA | 0.70 / 18986
0+98* | 136.0 / 72.9 / 0.65 / NA / NA | 0.40 / 18989
0+96.5* | 120.0 / 62.0 / 1.28 / NA / NA | 121.0 / 74.0 / 0.23 / NA / NA | 0.30 / 18994 | 0.53 / 18995
0+94.5* | 113.0 / 73.4 / 0.23 / NA / NA | 0.28 / 18996
0+93.5* | 6.05 / 4.71 / 3.71 / NA / NA | 90.10 / 75.80 / 0.37 / NA / NA | 1.32 / 75.3 / 0.89 / NA / NA | 1.00 / 18997 | 0.15 / 18998 | 1.00 / 18999

NOTE:
* DENOTES 1987 SURFACE SAMPLING PRIOR TO 1988 BULK SAMPLING PROGRAM. SAMPLE LOCATIONS BEST FIT ONLY

PN AVERAGE SURFACE GRADE *

SURF LENGTH (m)	WIDTH (m)	Ag (oz./ton)	Pb (%)	Zn (%)	Ag (g/t)	Pb (%)	Zn (%)
30.40	0.73	28.94	18.32	3.45	1.48	0.95	

* DILUTED TO 1.22m MINIMUM MINING WIDTH

JEFF 3 | JEFF 4 | JEFF 1 | JEFF 2

N
1° 59' E
TRUE NORTH
24.11
GRID
MAGNETIC

LEGEND

DRILL HOLE DATA

YM-88-5: (DRILL HOLE No.)
-60°: (INCLINATION)
65.00: (LENGTH — metres)

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

ASSAY SEQUENCE

SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Au (gm.) Where Applicable | Ag/Pb | Pb/Zn | CORE RECOVERY LENGTH %

CHANNEL SAMPLE DATA

Ag: (oz./ton)
Pb: (%)
Zn: (%)
Cu: (%)
Au: (ppb)
SAMPLE WIDTH (m)
SAMPLE No.

TO ACCOMPANY REPORT BY B.R. FOWLER, P. GEOL. DATED 31 DECEMBER 1988.

NOTE:
Elevations are Geodetic.
All distances and elevations are in metres unless noted.

REVISIONS

YUKON MINERALS — PERREX J.V.

KETZA PROJECT

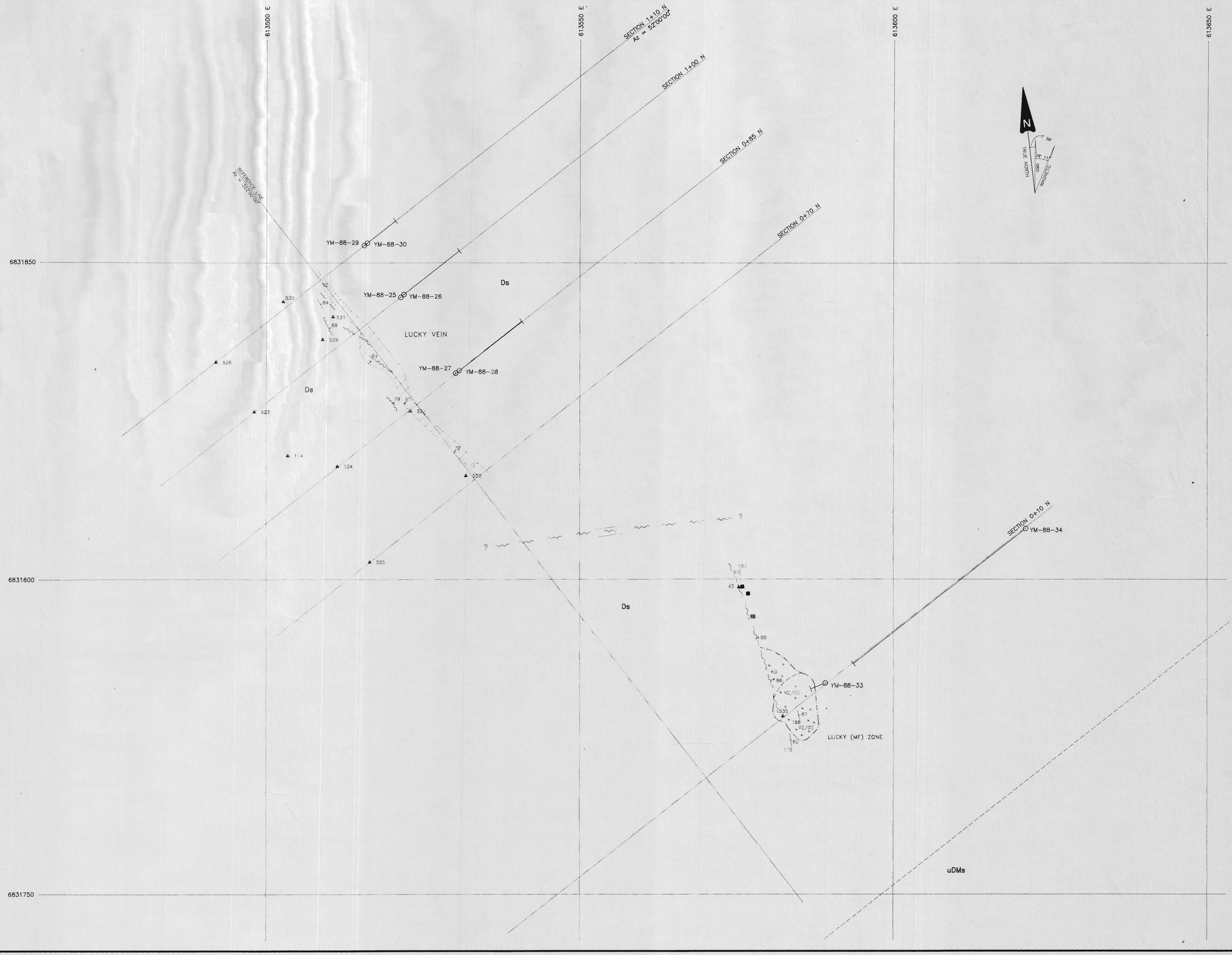
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
SURFACE ASSAY PLAN

DATE: DECEMBER 31, 1988 | TECH.: R.H., B.P.F. | DWG. No.: AP-A1
DRAWN BY: NEW CONCEPT DRAFTING LTD.



REVISIONS

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL DATED 31 DECEMBER 1988

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE; massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE; gouge/breccia zone with >30% limonite matrix +/- massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE; >1% clotted, disseminated galena +/- sphalerite; <30% limonite
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PZ PYRITE ZONE; massive, clotted pyrite
QV QUARTZ VEIN; (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs: Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dsi(Qz+Ph): Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb: Carbonaceous dolostone, black, fine grained minor phyllite
- Damphi: Amphipora +/- stromatoporoid dolostone
- Dph: Phyllitic dolostone with bands of silicified dolostone
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- D: Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl: Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uCOsiv: Grey - buff calcareous phyllite; thinly laminated
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EARLY CAMBRIAN
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(modified after Templeman-Kluit, 1977)

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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

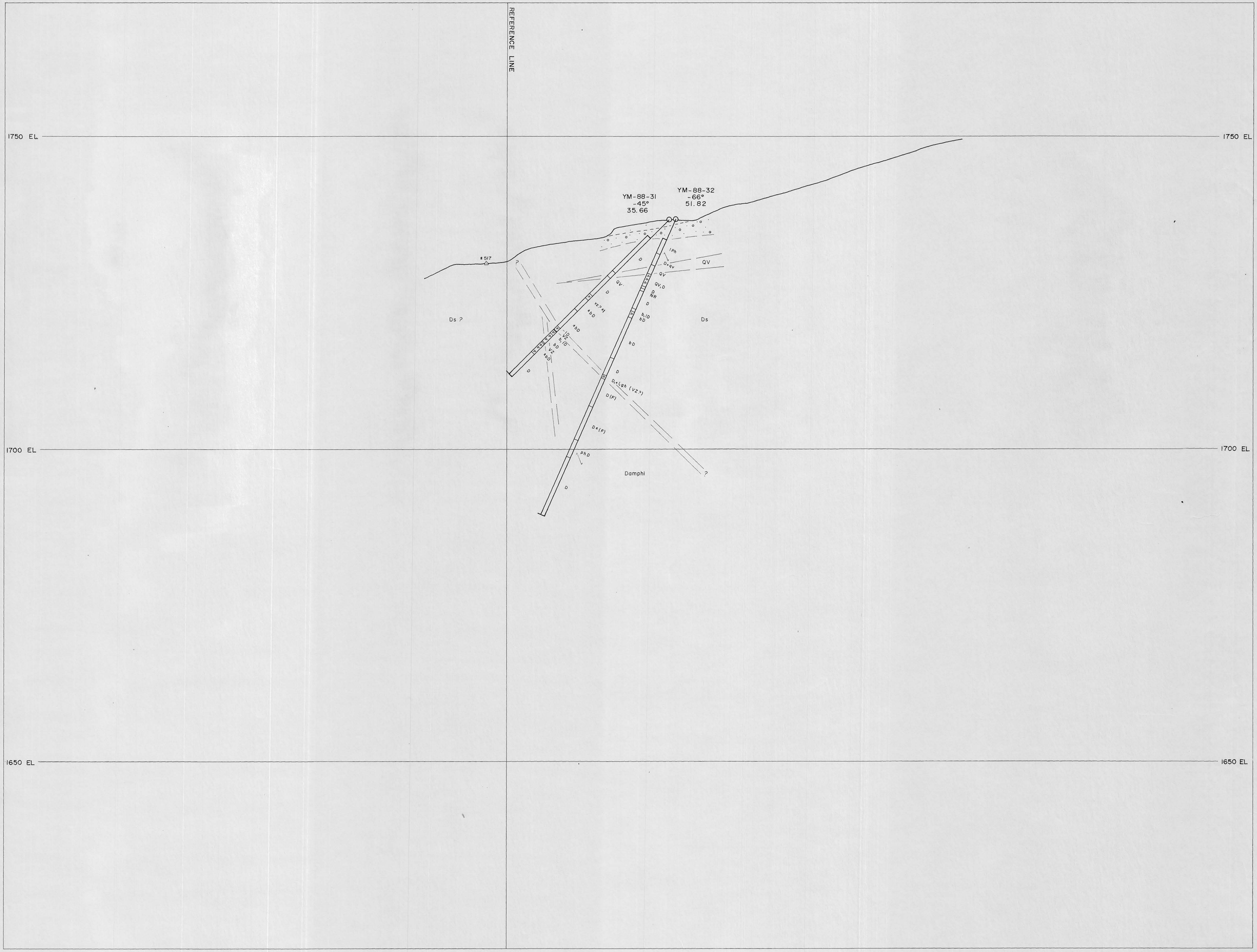
Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

LUCKY ZONE
SURFACE GEOLOGY PLAN

DATE: 88-12-19 | TECH.: M.I., B.P.F., P.R. | DWG. No. AP-G2

DRAWN BY: NEW CONCEPT DRAFTING LTD.



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
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C	CONGLOMERATE
A	ANDESITE
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- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
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- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

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- Overburden, glacial drift

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- OSsl Black, graptolitic shale, minor chert

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- uEOslv Grey - buff calcareous phyllite; thinly laminated
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KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
VERTICAL CROSS SECTION - 0+60 GEOLOGY
LOOKING N 5° W

DATE: DECEMBER 16, 1988 | TECH.: B. F. | DWG. No. PS-G1

DRAWN BY: POLARIS CONSULTING, R.H. & J.B.

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

DRILL HOLE DATA

YM–88–5 (DRILL HOLE No.)
–60° (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Au ppb | CORE RECOVERY LENGTH % | Cu (%) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

* Cu (%) Where Applicable

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu (%)
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No.

NOTE:
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All distances and elevations are in metres unless noted.

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

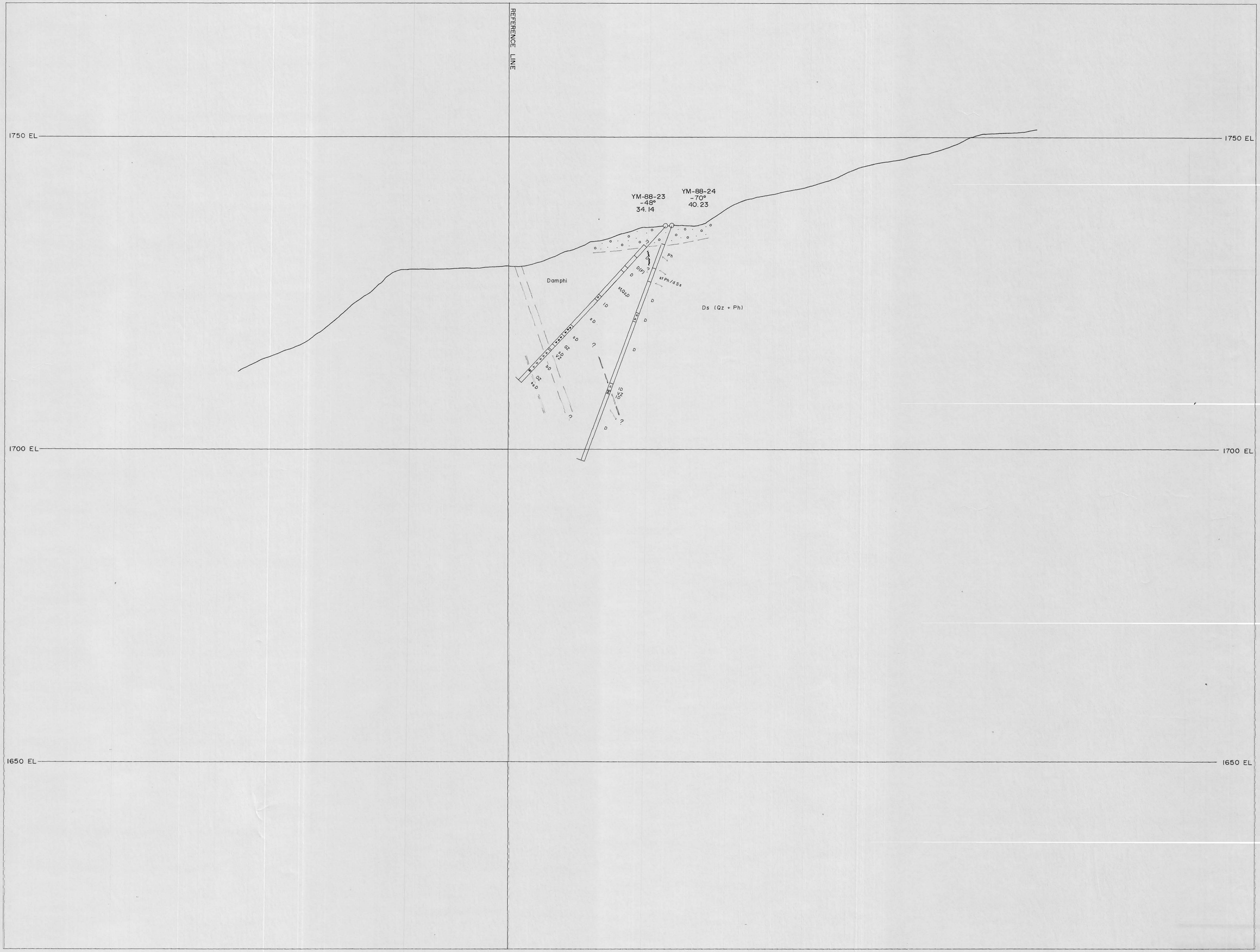
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
VERTICAL CROSS SECTION - 0 + 60 ASSAY
LOOKING N 5° W

DATE: DECEMBER 16, 1988 | TECH.: B.F. | DWG. No. PS-A1
DRAWN BY: POLARIS CONSULTING, R.H. & J.B.



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE; massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scorodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE; gauge/breccia zone with >30% limonite matrix +/– massive clotted galena; sphalerite; pyrite
GZ GALENA ZONE; >1% clotted, disseminated galena +/– sphalerite; <30% limonite
SZ SPHALERITE ZONE; >1% clotted, disseminated sphalerite +/– galena; <30% limonite
PZ PYRITE ZONE; massive, clotted pyrite
QV QUARTZ VEIN; (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- —— GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Ds(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltatone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damphi Amphipora +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereicitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uSGslv Grey – buff calcareous phyllite; thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman–Kluit, 1977)

NOTE:
Elevations are Geodetic.
All distances and elevations are in metres unless noted.

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

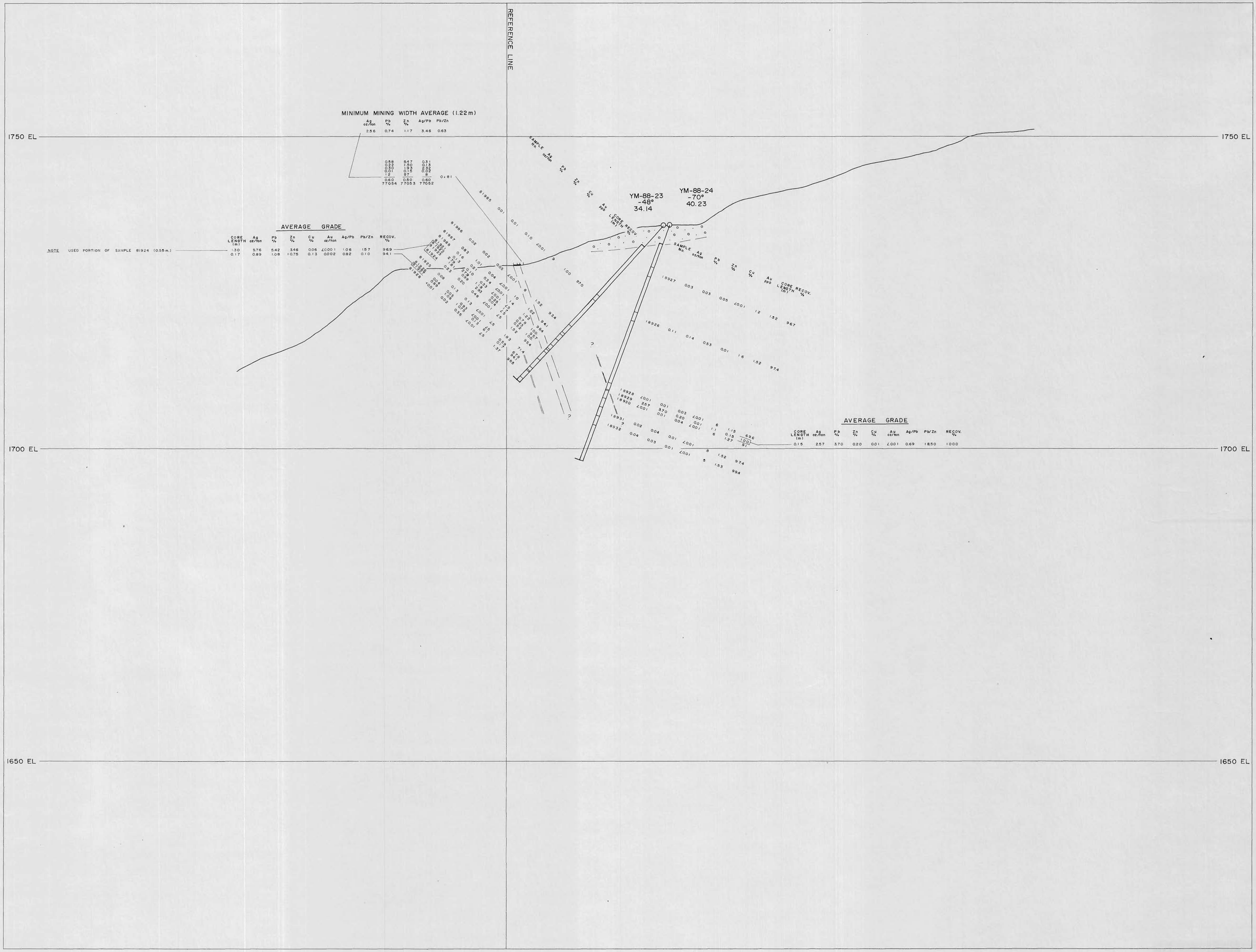
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1: 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
VERTICAL CROSS SECTION - 0+80N GEOLOGY
LOOKING N 5° W

DATE: DECEMBER 16, 1988 | TECH.: B.F | DWG. No. PS-G2
DRAWN BY: POLARIS CONSULTING, R.H. & J.B.



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

DRILL HOLE DATA

YM–88–5 (DRILL HOLE No.)
–60° (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Au ppb | CORE RECOVERY LENGTH %
Cu (%) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | * Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

* Cu (%) Where Applicable

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No.

NOTE:
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250
METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
VERTICAL CROSS SECTION - 0+80 N ASSAY
LOOKING N 5° W

DATE: DECEMBER 16, 1988 | TECH.: B.F. | DWG. No. PS-A2
DRAWN BY: POLARIS CONSULTING, R.H. & J.B.

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
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MINOR COMPONENTS

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- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

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- Damphi Amphipora +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
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EARLY CAMBRIAN
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(modified after Templeman–Kluit, 1977)

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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
VERTICAL CROSS SECTION - 1+00 GEOLOGY
LOOKING N 5°W

DATE: DECEMBER 16, 1988 | TECH.: B.F. | DWG. No. PS-G3
DRAWN BY: POLARIS CONSULTING , R.H. & J.B.


REFERENCE LINE
1750 EL
1700 EL
1650 EL
MINIMUM MINING WIDTH AVERAGE (1.22m)
Ag oz/ton Pb % Zn % Ag/Pb Pb/Zn
70.00 37.64 0.95 1.86 39.62
* SAMPLED IN 1987 (G. DAVIDSON)
PRIOR TO 1988 BULK SAMPLING PROGRAM
INITIAL SAMPLE ELEVATION NOT KNOWN
AVERAGE GRADE
CORE LENGTH (m) Ag oz/ton Pb % Zn % Cu % Au oz/ton Ag/Pb Pb/Zn RECOV. %
3.64 0.91 0.92 3.21 0.001 0.99 0.29 89.8
1.39 8.62 5.69 6.62 0.11 0.006 1.51 0.86 96.4
NOTE USED PORTION OF SAMPLE 81920 (0.61m.)
YM-88-21
-70°
31.70
YM-88-22
-90°
32.61
SAMPLE No. Ag oz/ton Pb % Zn % Cu % Au ppb CORE LENGTH (m) RECOV. %
81976 0.05 0.07 0.02 ∠0.01 8 0.62 96.0
81977 0.25 0.44 0.33 ∠0.01 7 1.63 92.0
81978 0.55 0.26 2.39 0.02 16 1.15 93.0
18933 0.03 0.05 0.36 ∠0.01 9 2.11 94.0
81979 2.13 2.25 6.68 0.06 61 0.20 100.0
18934 0.03 0.01 0.09 ∠0.01 13 1.01 96.0
18935 ∠0.01 ∠0.01 ∠0.01 11 1.00 96.0
81980 0.02 0.03 0.11 ∠0.01 8 1.17 95.0
81981 1.90 2.31 0.13 ∠0.01 ∠5 0.26 84.6
81982 0.04 0.04 0.04 ∠0.01 7 1.62 96.0
AVERAGE GRADE
CORE LENGTH (m) Ag oz/ton Pb % Zn % Cu % Au oz/ton Ag/Pb Pb/Zn RECOV. %
0.20 2.13 2.25 6.68 0.06 0.002 0.95 0.34 100.
0.26 1.90 2.31 0.13 ∠0.01 ∠0.001 0.82 17.77 84.6
SURFACE APPROXIMATE

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No. · Ag (oz./ton) · Pb % · Zn % · * Au ppb · CORE RECOVERY LENGTH %
* Cu (%) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH · Ag (oz./ton) · Pb % · Zn % · * Au (oz./ton) · Ag/Pb · Pb/Zn · RECOVERY %

* Cu (%) Where Applicable

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu (%)
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No.

NOTE:
Elevations are Geodetic.
All distances and elevations are in metres unless noted.

YUKON MINERALS – PERREX J.V.

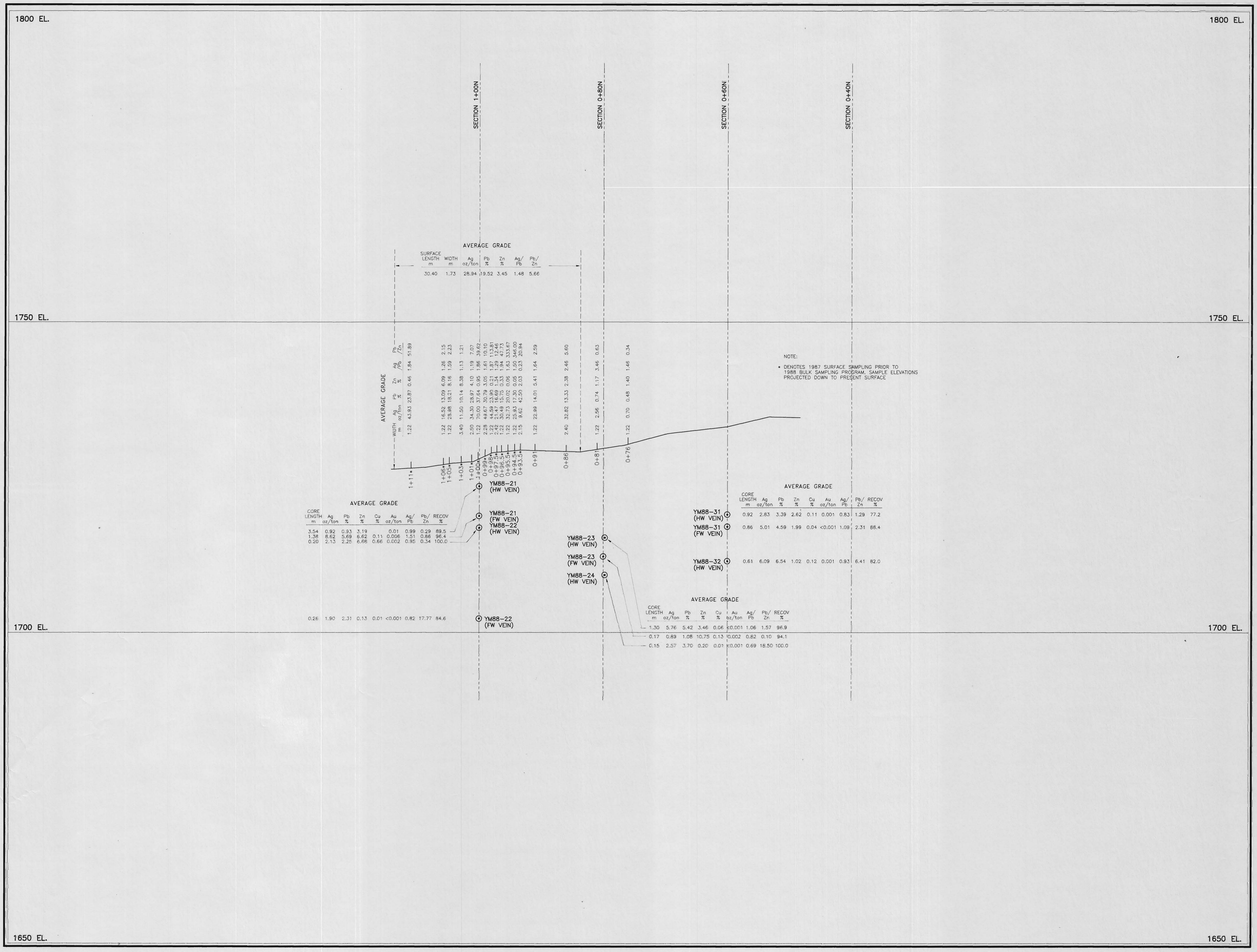
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250 — METRES 0 1 2 3 4 5 10 15 20 25 30 METRES — FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
VERTICAL CROSS SECTION - 1 + 00 ASSAY
LOOKING N 5°W

DATE: DECEMBER 16, 1988 | TECH.: B.F. | DWG. No. PS - A3
DRAWN BY: POLARIS CONSULTING, R.H. & J.B.



REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65.00 (LENGTH - metres)

ASSAY SEQUENCE: SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | CORE LENGTH | RECOVERY % | Cu (ppm) Where Applicable

AVERAGE GRADE
WIDTH: (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No.

NOTE:
Elevations are Geodetic.
All distances and elevations are in metres unless noted.

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL. DATED 31 DECEMBER 1988

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1: 250
METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
LONGITUDINAL (ASSAY) SECTION LOOKING N 85° E

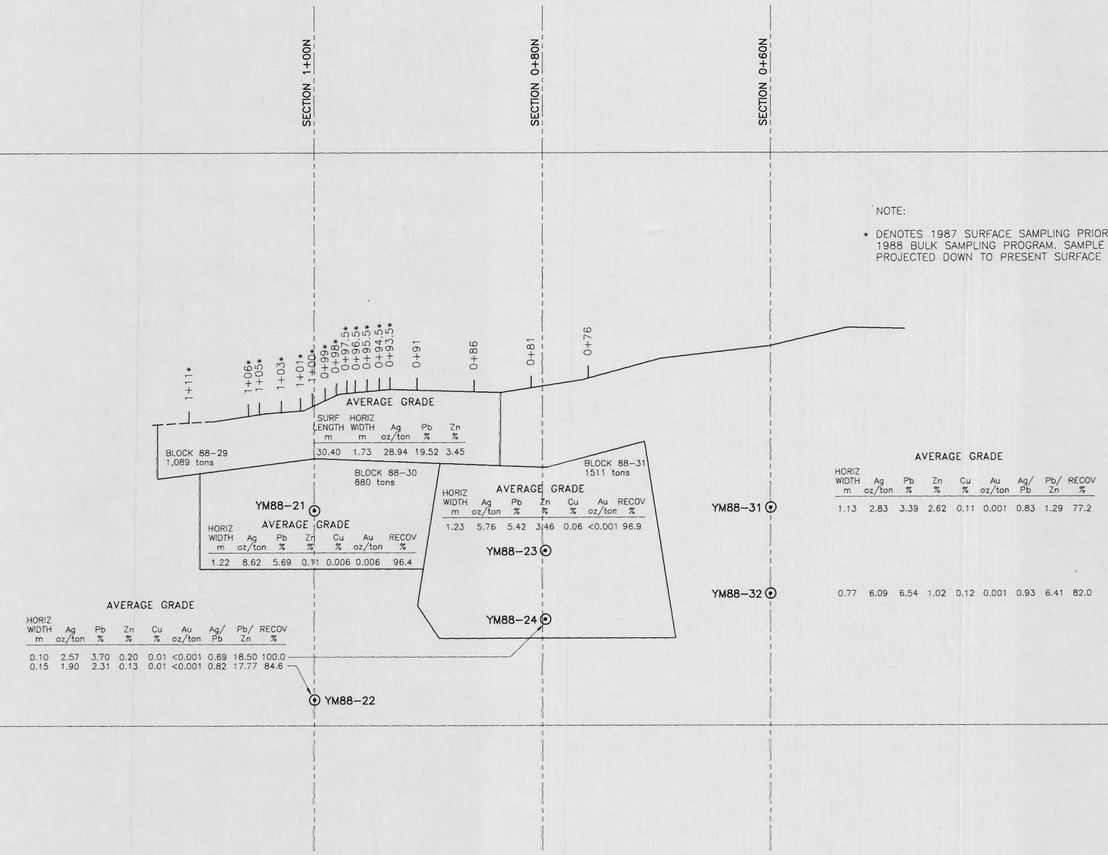
DATE: DECEMBER 31, 1988 | TECH.: B.P.F. / R.H. | DWG. No. PL-A1
DRAWN BY: NEW CONCEPT DRAFTING LTD.

1800 EL

1750 EL

1700 EL

1650 EL



NOTE:

* DENOTES 1987 SURFACE SAMPLING PRIOR TO 1988 BULK SAMPLING PROGRAM. SAMPLE ELEVATIONS PROJECTED DOWN TO PRESENT SURFACE

REVISIONS

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL DATED 31 DECEMBER 1988

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
i	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE; massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE; gouge/breccia zone with >30% limonite matrix +/- massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE; >1% clotted, disseminated galena +/- sphalerite; <30% limonite
SZ SPHALERITE ZONE; >1% clotted, disseminated sphalerite +/- galena; <30% limonite
PZ PYRITE ZONE; massive, clotted pyrite
QV QUARTZ VEIN; (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35/ FOLIATION & ANGLE TO CORE AXIS
- 35/ BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Ds(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damph Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
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- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOblv Grey - buff calcareous phyllite; thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE:
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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W, NTS 105 F/10

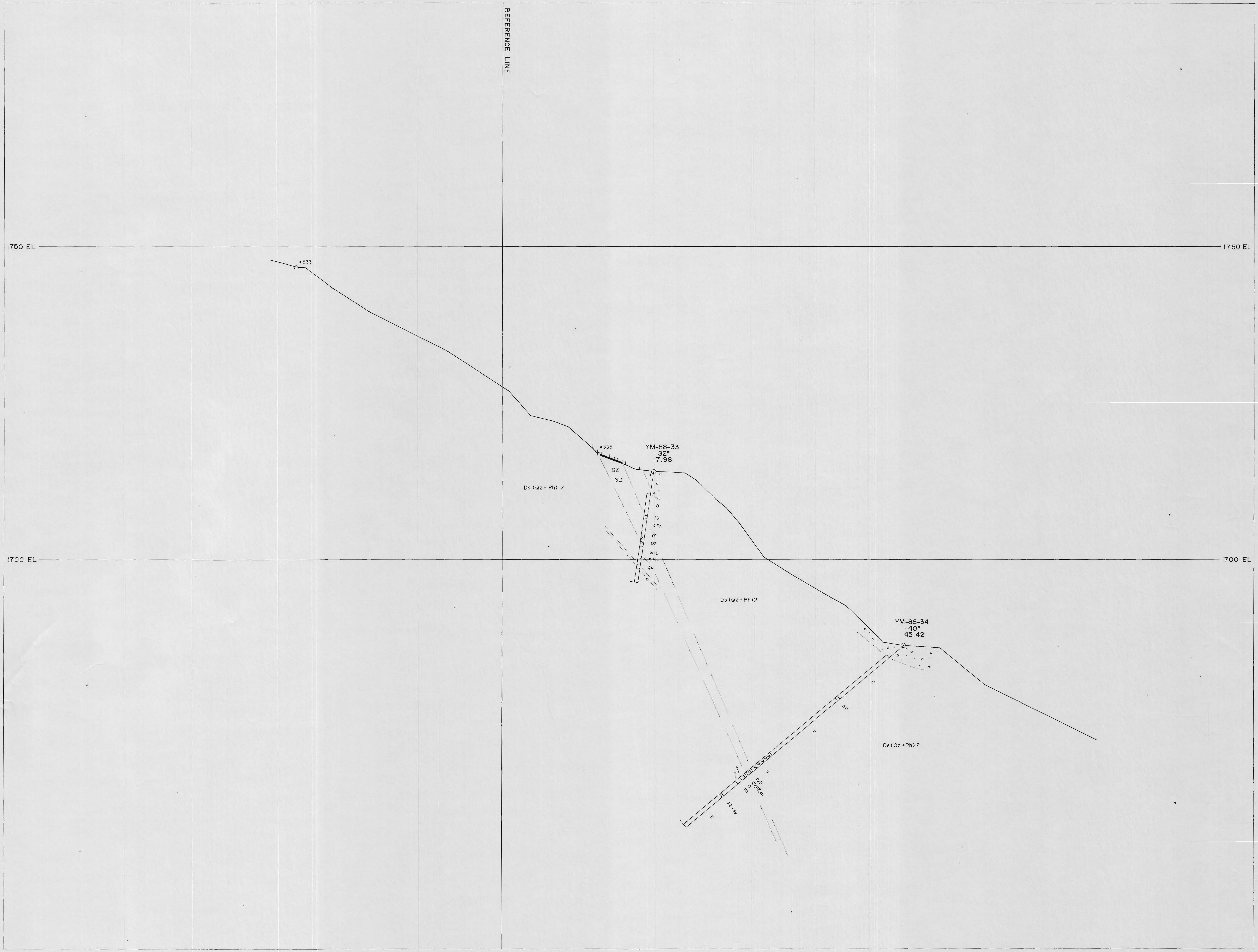
Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PN ZONE
LONGITUDINAL RESERVE SECTION LOOKING N 85° E

DATE: DECEMBER 31, 1988 | TECH.: B.P.F. / R.H. | DWG. No. PL-R1

DRAWN BY: NEW CONCEPT DRAFTING LTD.



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
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▲ GALENA +/− SPHALERITE +/− TETRAHEDRITE IN BRECCIA

● GALENA +/− SPHALERITE +/− TETRAHEDRITE REPLACEMENT, FRACTURE FILLING

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STRUCTURE

△ BRECCIA
FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
FAULT WITH DIP & DIP DIRECTION
35° FOLIATION & ANGLE TO CORE AXIS
35° BEDDING & ANGLE TO CORE AXIS
JOINTING
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STRATIGRAPHY

QUATERNARY
[ ] Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
[A] Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
[S] Fine to medium grained syenite dyke
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SILURIAN, EARLY AND MIDDLE DEVONIAN
[Ds(Qz+Ph)] Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
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LATE CAMBRIAN AND EARLY CAMBRIAN
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EARLY CAMBRIAN
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YUKON MINERALS − PERREX J.V.

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LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250 — METRES 0 1 2 3 4 5 10 15 20 25 30 METRES; FEET 0 5 10 15 20 25 50 75 100 FEET

LUCKY ZONE
VERTICAL CROSS SECTION - 0+10 N GEOLOGY
LOOKING N 38° W

DATE: DECEMBER 21, 1988	TECH.: B.F.	DWG. No. LS - G1
DRAWN BY: POLARIS CONSULTING , J.B.		

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65.00 (LENGTH - metres)

ASSAY SEQUENCE: SAMPLE No. | Ag (oz/ton) | Pb % | Zn % | Au (ppb) | CORE LENGTH | CORE RECOVERY %

AVERAGE GRADE

HORIZ. WIDTH	Ag (oz/ton)	Pb %	Zn %	Au (oz/ton)	Ag/Pb	Pb/Zn	RECOVERY %

Cu (%) Where Applicable

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No.

NOTE:
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YUKON MINERALS — PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
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LUCKY ZONE
VERTICAL CROSS SECTION - 0 + 10 N ASSAY
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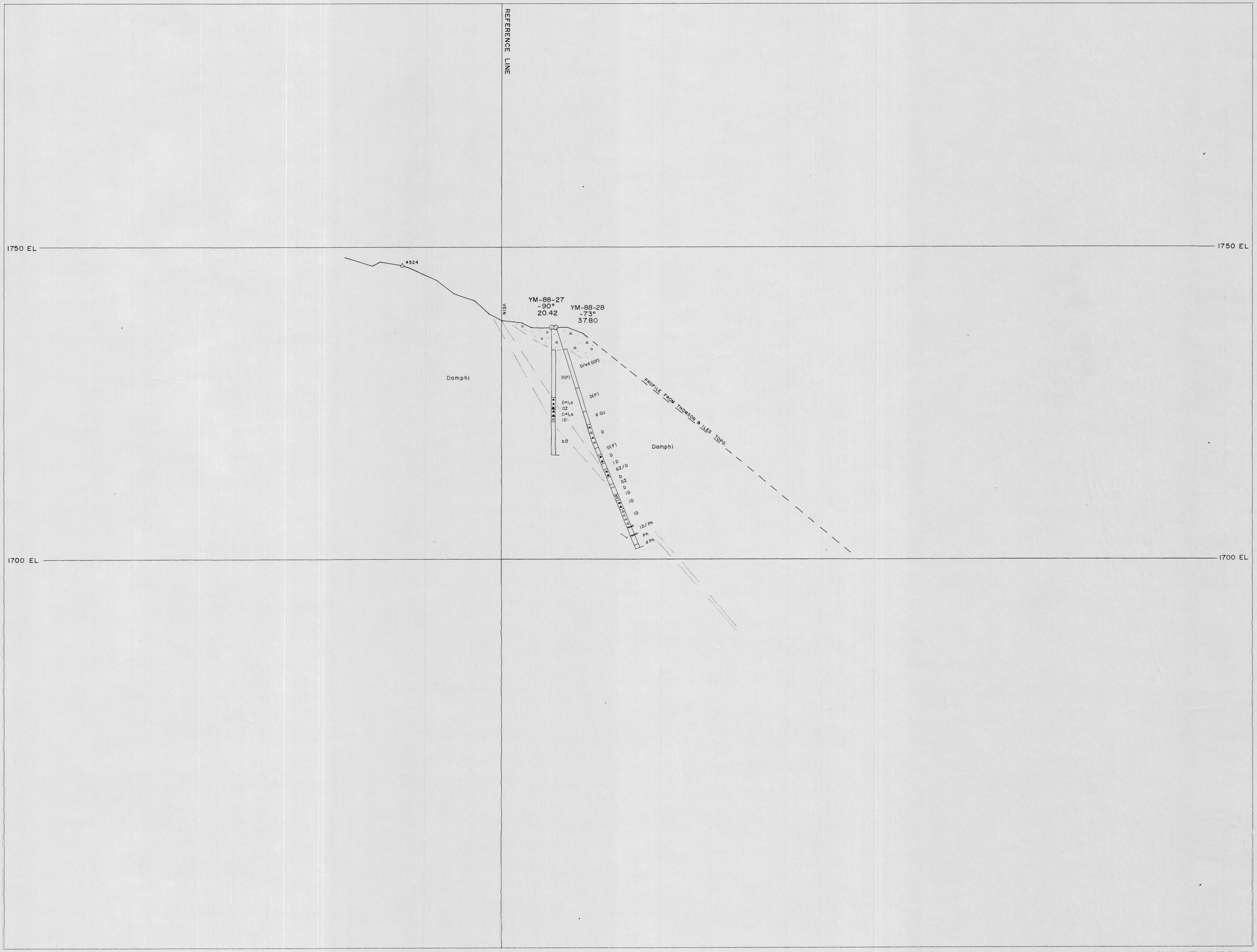
DATE: DECEMBER 21, 1988 | TECH.: B.F.
DRAWN BY: POLARIS CONSULTING, J.B.

DWG. No. LS-A1



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

LEGEND

LITHOLOGY

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M	MUDSTONE
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g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE; massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE; gouge/breccia zone with >30% limonite matrix +/- massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE; >1% clotted, disseminated galena +/- sphalerite; <30% limonite
SZ SPHALERITE ZONE; >1% clotted, disseminated sphalerite +/- galena; <30% limonite
PZ PYRITE ZONE; massive, clotted pyrite
QV QUARTZ VEIN; (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED

lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs — Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- DsQz+Ph — Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb — Carbonaceous dolostone, black, fine grained minor phyllite
- Damph — Amphipora +/- stromatoporoid dolostone
- Dph — Phyllitic dolostone with bands of silicified dolostone
- Ds — Silicified dolostone, fine grained, sereitic
- D — Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl — Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uЄOslv — Grey - buff calcareous phyllite; thinly laminated
- uЄOb — Dark green mafic flow or sill

EARLY CAMBRIAN
- lЄcsl — Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE:
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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

LUCKY ZONE
VERTICAL CROSS SECTION- 0+85 N GEOLOGY
LOOKING N 38° W

DATE: DECEMBER 21, 1988 | TECH.: B.F | DWG. No. LS-G2

DRAWN BY: POLARIS CONSULTING, J.B.

REFERENCE LINE

1750 EL

1700 EL

#524

0 + 85

Ag oz/ton	0.26	0.68	0.37	0.26
Pb %	0.14	0.16	0.12	0.14
Zn %	1.45	3.13	1.280	1.67
Cu %	0.05	0.35	0.059	0.07
Au ppb				
SAMPLE WIDTH	0.80	0.90	0.60	1.20
SAMPLE No.	77038	77037	77036	77035

AVERAGE SURFACE GRADE

WIDTH (m)	Ag oz/ton	Pb %	Zn %	Cu %	Au oz/ton	Ag/Pb	Pb/Zn
1.50	0.56	0.14	7.00	0.43	0.003	4.00	0.02

0 + 85

YM-88-27
-90°
20.42

YM-88-28
-73°
37.80

SAMPLE No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb	CORE LENGTH (m)	RECOV. %
18924						1.12	89.3

AVERAGE GRADE

CORE LENGTH (m)	Ag oz/ton	Pb %	Zn %	Cu %	Au oz/ton	Ag/Pb	Pb/Zn	RECOV. %
3.90	1.47	1.15	0.98	0.02	0.001	1.28	1.17	94.6

SAMPLE No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb	CORE LENGTH (m)	RECOV. %
81998	1.68	1.42	0.42	0.01	27	1.52	95.4
81999	1.80	2.04	0.43	0.04	87	0.40	95.0
82000	1.97	1.21	0.34	0.01	21	1.13	89.4
18901	0.27	0.15	3.09	0.03	66	0.85	?

SAMPLE No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb	CORE LENGTH (m)	RECOV. %
18920	0.04	0.08	0.04	<.001	30	0.87	87.4
18921	0.09	0.08	0.02	<.001	27	1.53	93.5
18922	0.68	0.05	0.03	0.02	36	1.52	100.0
18923	0.03	0.01	0.09	<.001	15	1.22	82.0
18909	0.26	0.30	0.01	0.02	33	1.52	95.4
18910	0.14	3.10	0.10	<.001	5.1	1.00	100.0
18911	2.35	0.50	0.10	0.01	207	1.37	78.8
18912	0.45	0.52	0.40	0.01	78	1.17	53.8
18913	1.17	0.14	0.44	0.01	75	0.55	30.8
18914	0.22	0.64	2.62	0.02	24	1.27	81.9
18915	0.81	0.77	3.19	0.02	81	1.05	57.1
18916	0.82	0.13	2.50	0.01	162	1.52	94.1
18917	0.37	0.11	1.98	0.01	30	1.52	78.3
18918	0.09	0.05	0.42	<.001	18	1.53	73.2
18919	0.04					1.52	82.2

AVERAGE GRADE

CORE LENGTH (m)	Ag oz/ton	Pb %	Zn %	Cu %	Au oz/ton	Ag/Pb	Pb/Zn	RECOV. %
30.9	1.69	1.66	0.13	0.02	0.004	1.02	1.27.7	71.5

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | * Cu (%) | * Au ppb | CORE LENGTH | RECOVERY %

* Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | * Cu (%) | * Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

* Where Applicable

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No.

NOTE:
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

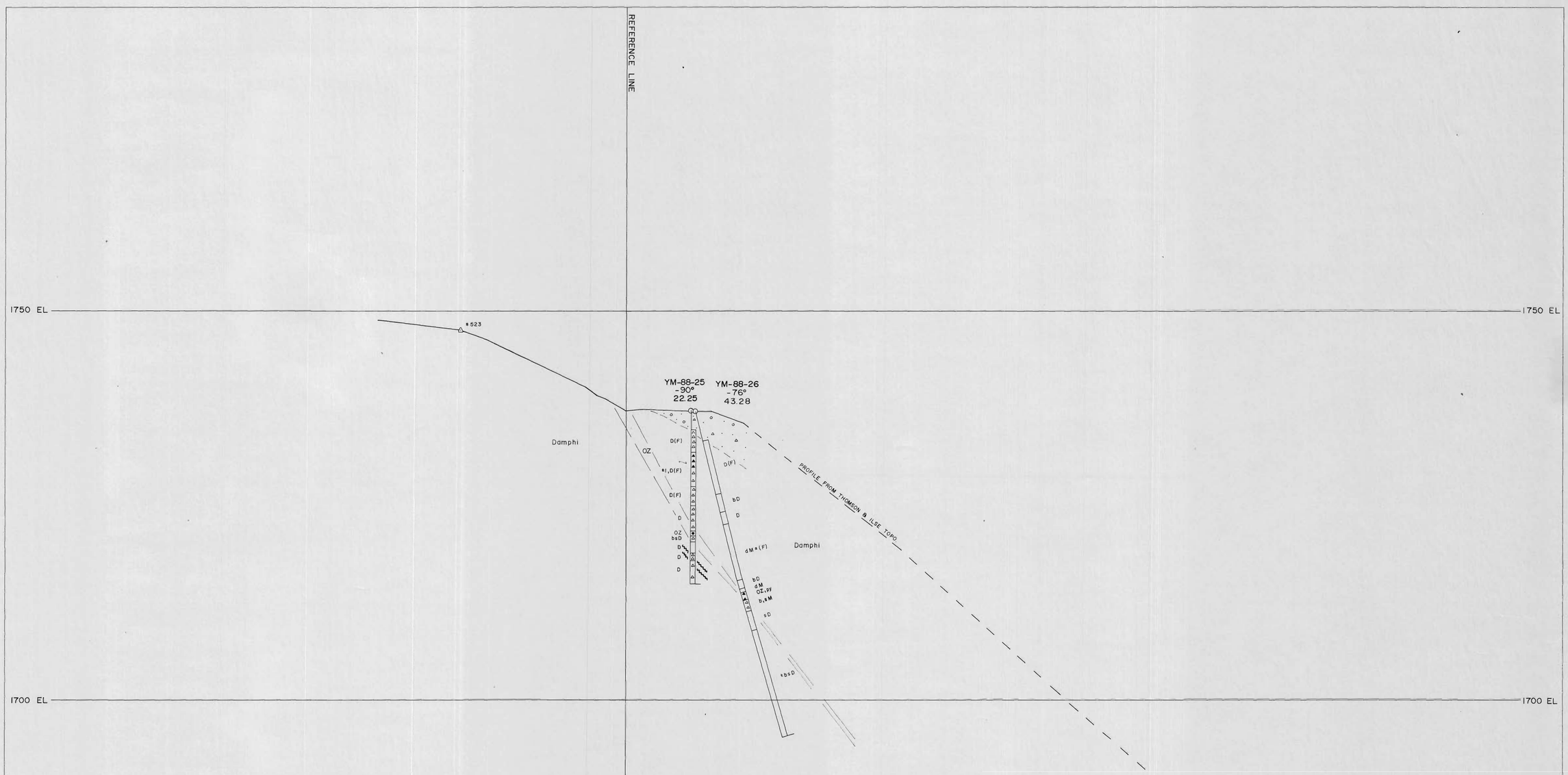
GROUNDHOG CREEK, YUKON TERRITORY.
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

LUCKY ZONE
VERTICAL CROSS SECTION - 0+85 N ASSAY
LOOKING N 38° W

DATE: DECEMBER 21, 1988 | TECH.: B.F. | DWG. No. LS-A2
DRAWN BY: POLARIS CONSULTING, J.B.



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
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MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE; massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scorodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE; gouge/breccia zone with >30% limonite matrix +/– massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE; >1% clotted, disseminated galena +/– sphalerite; <30% limonite
SZ SPHALERITE ZONE; >1% clotted, disseminated sphalerite +/– galena; <30% limonite
PZ PYRITE ZONE; massive, clotted pyrite
QV QUARTZ VEIN; (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35/ FOLIATION & ANGLE TO CORE AXIS
- 35/ BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT – OBSERVED, INFERRED

lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dq(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damphi Amphipora +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
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- uEOslv Grey – buff calcareous phyllite; thinly laminated
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EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman–Kluit, 1977)

NOTE:
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1: 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

LUCKY ZONE
VERTICAL CROSS SECTION - 1+00 N GEOLOGY
LOOKING N 38° W

DATE: DECEMBER 21, 1988 | TECH.: B.F. | DWG. No. LS-G3
DRAWN BY: POLARIS CONSULTING , J.B.

REFERENCE LINE

1750 EL

1700 EL

AVERAGE SURFACE GRADE

WIDTH (m)	Ag oz/ton	Pb %	Zn %	Cu %	Au oz/ton	Ag/Pb	Pb/Zn
2.59	28.13	20.11	2.19	0.36	0.012	1.40	9.18

1+00

Ag oz/ton	4.67	8.17	5.72	1.21	0.18
Pb %	4.25	7.45	3.90	1.90	0.09
Zn %	2.19	2.79	1.83	1.41	0.45
Cu %	0.05	0.08	0.77	0.13	0.01
Au ppb					
SAMPLE WIDTH	0.50	1.00	1.09	0.55	0.65
SAMPLE No.	77025	77024	77023	77022	77021

AVERAGE GRADE

CORE LENGTH (m)	Ag oz/ton	Pb %	Zn %	Au oz/ton	Ag/Pb	Pb/Zn	RECOV. %
2.23	5.25	4.46	4.75	0.005	1.18	0.94	93.3

YM-88-25
-90°
22.25

YM-88-26
-76°
43.28

SAMPLE No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb	CORE LENGTH (m)	RECOV. %
18902	0.12	0.14	0.22	<0.01	24	1.42	98.6
18903	0.67	0.53	0.58	0.03	684	0.75	85.3
18904	0.16	0.10	0.72	0.01	288	2.55	84.3
18905	0.06	0.06	0.53	<0.01	57	1.52	94.7
18906	0.38	0.25	0.60	<0.01	75	1.88	86.7
81941	0.66	0.47	4.96		37	0.87	100.0
81942	18.45	16.70	3.85		510	0.54	87.0
81943	1.43	0.64	5.12		61	0.82	90.2
18943	0.05	0.04	0.06	<0.01	16	0.96	84.4
18907	0.58	0.37	0.95	0.09	6	0.20	100.0
18908	0.07	0.05	0.75	0.01	27	0.75	96.0

SAMPLE No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb	CORE LENGTH (m)	RECOV. %
81944	0.21	0.09	0.94		25	0.48	100.0
81945	7.87	1.18	4.36		395	1.04	93.3
81946	0.55	0.58	0.42		110	1.53	95.4
81947	0.65	0.65	0.40	0.01	99	1.52	99.0

AVERAGE GRADE

CORE LENGTH (m)	Ag oz/ton	Pb %	Zn %	Cu %	Au oz/ton	Ag/Pb	Pb/Zn	RECOV. %
1.04	7.87	1.18	4.36		0.012	0.7.7	2.33	93.3

PROFILE FROM THOMSON & ILSE TOPO.

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %
Cu (%) Where Applicable | CORE LENGTH

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %
Cu (%) Where Applicable

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu %
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No.

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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

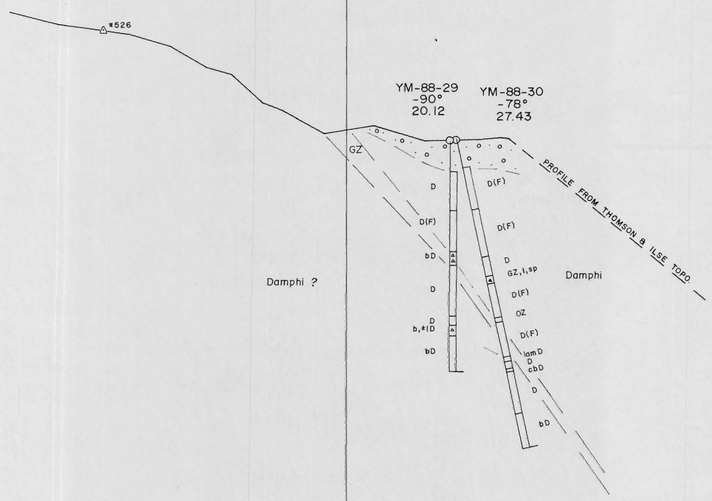
LUCKY ZONE
VERTICAL CROSS SECTION - 1+00 N ASSAY
LOOKING N 38° W

DATE: DECEMBER 21, 1988 | TECH.: B.F. | DWG. No. LS-A3
DRAWN BY: POLARIS CONSULTING , J.B.

REFERENCE LINE

1750 EL

1700 EL



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
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Qz	QUARTZITE/ARENITE
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GZ GALENA ZONE; >1% clotted, disseminated galena +/- sphalerite; <30% limonite
SZ SPHALERITE ZONE; >1% clotted, disseminated sphalerite +/- galena; <30% limonite
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STRUCTURE

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EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

LUCKY ZONE
VERTICAL CROSS SECTION - 1+10N GEOLOGY
LOOKING N38°W

DATE: DECEMBER 21, 1988 | TECH.: B.F. | DWG. No. LS-64
DRAWN BY: POLARIS CONSULTING , J.B.

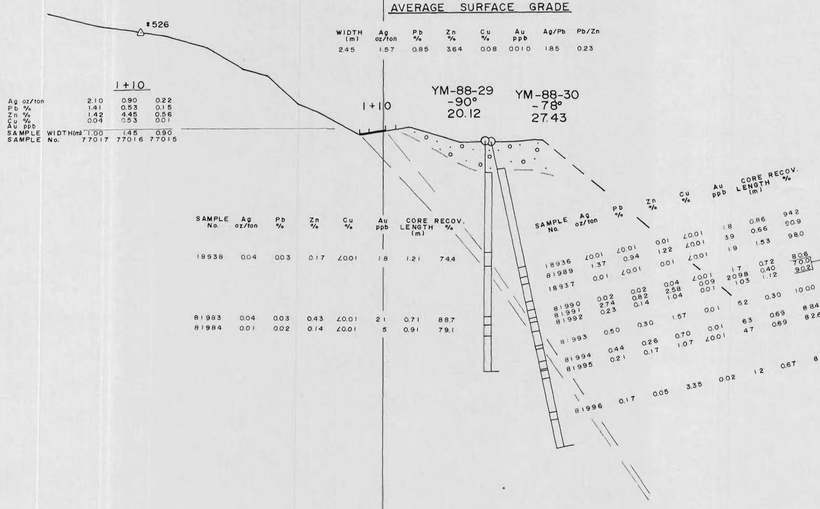
REFERENCE LINE

1750 EL

1700 EL

AVERAGE SURFACE GRADE

WIDTH (m)	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb	Ag/Pb	Pb/Zn
2.45	1.57	0.85	3.64	0.08	0.010	1.85	0.23



Ag oz/ton	2.10	0.90	0.22
Pb %	1.41	0.83	0.15
Zn %	1.42	2.53	0.56
Cu %	0.08	0.53	0.01
Au ppb			
SAMPLE WIDTH(m)	1.00	1.45	0.90
SAMPLE No.	77017	77016	77015

SAMPLE No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb	CORE LENGTH (m)	RECOV. %
18938	0.04	0.03	0.17	<0.01	18	1.21	74.4
81993	0.04	0.03	0.43	<0.01	21	0.71	88.7
81994	0.01	0.02	0.14	<0.01	5	0.91	79.1

SAMPLE No.	Ag oz/ton	Pb %	Zn %	Cu %	Au ppb	CORE LENGTH (m)	RECOV. %
18935	<0.01	<0.01	0.01	<0.01	18	0.86	94.2
81989	1.37	0.94	1.22	<0.001	59	0.66	50.9
18937	0.01	<0.01	0.01	<0.001	19	1.53	98.0
81990	0.02	0.02	0.04	<0.001	17	0.72	80.6
81991	2.74	0.82	2.58	0.09	2098	0.40	100.0
81992	0.23	0.14	1.04	0.01	1.03	1.12	90.21
81993	0.50	0.30	1.57	0.01	52	0.30	10.00
81994	0.44	0.26	0.70	0.01	63	0.69	88.4
81995	0.21	0.17	1.07	<0.001	47	0.69	82.6
81996	0.17	0.05	3.35	0.02	1.2	0.67	85.1

AVERAGE GRADE

CORE LENGTH (m)	Ag oz/ton	Pb %	Zn %	Cu %	Au oz/ton	Ag/Pb	Pb/Zn	RECOV. %
15.2	2.89	0.32	1.45	0.03	0.030	2.78	0.22	84.9

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Cu (%) Where Applicable | Au ppb | CORE RECOVERY % | CORE LENGTH m

AVERAGE GRADE

HORIZ. WIDTH m | Ag (oz./ton) | Pb % | Zn % | Cu (%) Where Applicable | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No.

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KETZA PROJECT

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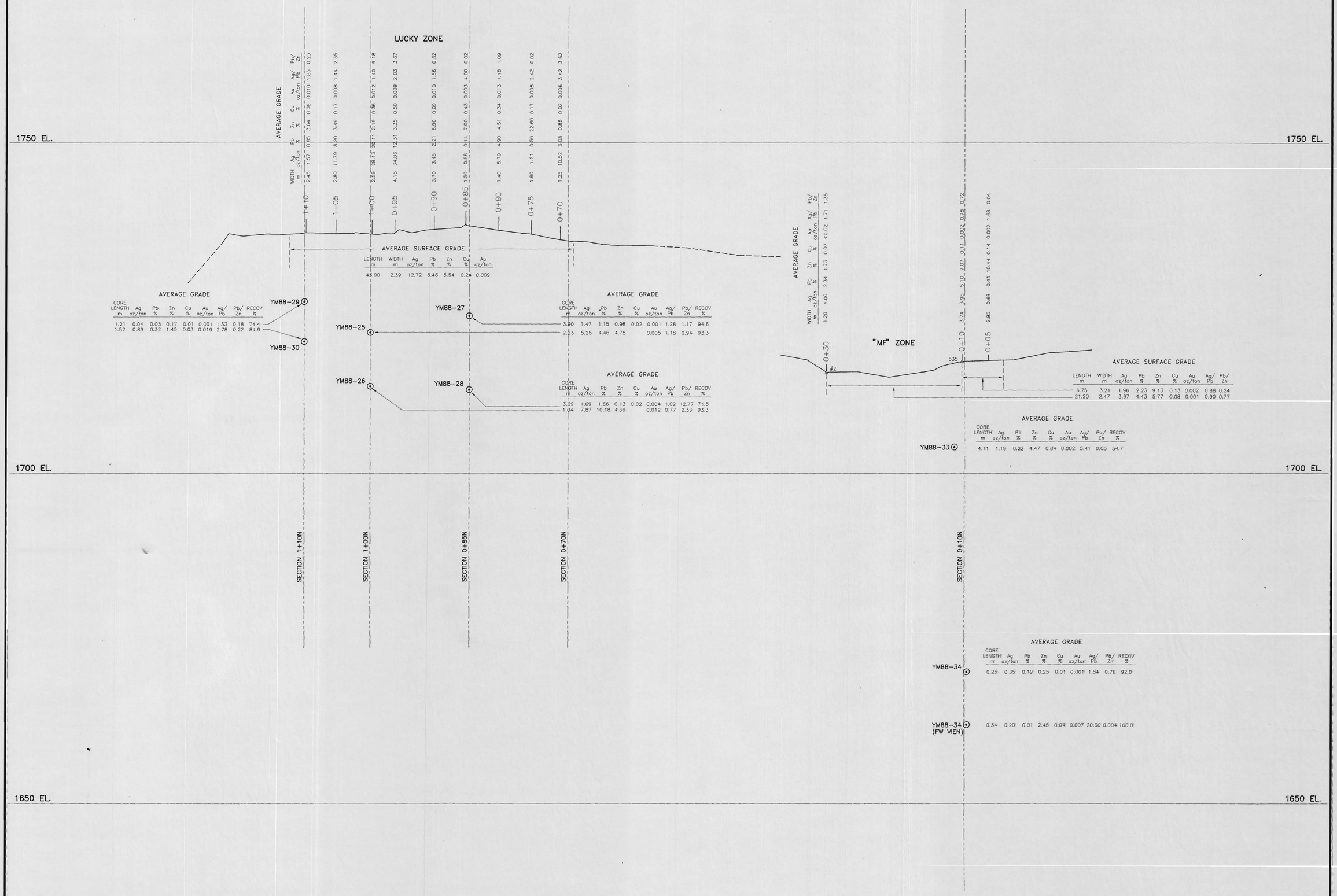
LUCKY ZONE
VERTICAL CROSS SECTION - 1+10N ASSAY
LOOKING N38°W

DATE: DECEMBER 21, 1988 | TECH.: B. F. | DWG. No. LS-A4
DRAWN BY: POLARIS CONSULTING, J.B.



REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65.00 (LENGTH - metres)

ASSAY SEQUENCE: Ag (oz./ton) | Pb % | Zn % | Au ppb | Cu (ppm) Where Applicable | CORE RECOVERY % | CORE LENGTH

SAMPLE No.

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag: (oz./ton)
Pb: (%)
Zn: (%)
Au: (ppb)

SAMPLE WIDTH: (m)
SAMPLE No.

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL. DATED 31 DECEMBER 1988.

NOTE:
Elevations are Geodetic.
All distances and elevations are in metres unless noted.

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1: 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25' 50 75 100 FEET

LUCKY & MF ZONE
LONGITUDINAL (ASSAY) SECTION LOOKING N 52° E

DATE: DECEMBER 31, 1988 | TECH.: B.P.F / R.H. | DWG. No. LL-A1
DRAWN BY: NEW CONCEPT DRAFTING LTD.

REVISIONS

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE; massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scoradite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE; gouge/breccia zone with >30% limonite matrix +/- massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE; >1% clotted, disseminated galena +/- sphalerite; <30% limonite
SZ SPHALERITE ZONE; >1% clotted, disseminated sphalerite +/- galena; <30% limonite
PZ PYRITE ZONE; massive, clotted pyrite
QV QUARTZ VEIN; (no visible sulfides)

STRUCTURE

- BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED

lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs: Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dq(Qz+Ph): Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb: Carbonaceous dolostone, black, fine grained minor phyllite
- Damph: Amphipora +/- stromatoporoid dolostone
- Dph: Phyllitic dolostone with bands of silicified dolostone
- Ds: Silicified dolostone, fine grained, sericitic
- D: Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSst: Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOslv: Grey - buff calcareous phyllite; thinly laminated
- uEOb: Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl: Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE:
Elevations are Geodetic.
All distances and elevations are in metres unless noted.

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL DATED 31 DECEMBER 1988

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

LUCKY - MF - ZONES
LONGITUDINAL RESERVES SECTION LOOKING N 52° E

DATE: DECEMBER 31, 1988 | TECH.: B.P.F. / R.H. | DWG. No. LL-R1
DRAWN BY: NEW CONCEPT DRAFTING LTD.

YUKON MINERALS CORPORATION

PERREX RESOURCES INCORPORATED

JOINT VENTURE

AREA B

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N, LONG 132° 52' W, NTS 105 F/10

To Accompany Report By B P FOWLER, P Geol

Compilation Of Work Done On Property During APRIL To NOVEMBER, 1988

Data Compiled By B P FOWLER, P Geol
Project Manager
POLARIS CONSULTING
Reg Harding

Dated DECEMBER 31, 1988

614000 E | 615000 E | 616000 E | 617000 E | 618000 E

837000 N | 836000 N | 835000 N

GREG CLAIMS

HV 105 YA 99596 | HV 106 YA 99597 | VER 10 YA 98610 | VER 11 YA 98611 | HV 216 YB 01726 | HV 215 YB 01725 | HV 218 YB 01728 | BEN 15 Y 13597

HV 103 YA 99594 | HV 104 YA 99595 | VER 7 YA 90981 | VER 8 YA 90982 | VER 9 YA 90983 | CARIBOU 2 89297 | CARIBOU 1 89296

HV 101 YA 99592 | HV 102 YA 99593 | VER 5 YA 90979 | VER 6 YA 90980 | PAX 2 YA 90472 | PAX 1 YA 90471

HV 99 YA 99590 | VER 3 YA 90977 | VER 4 YA 90978 | CARIBOU 3 89298 | PAX 3 YA 90473

HV 97 YA 99588 | HV 98 YA 99589 | VER 1 YA 90975 | VER 2 YA 90976 | PAX 4 YA 90474 | RAX 2 YA 90480 | RAX 1 YA 90479 | PAX 6 YA 90476 | PAX 5 YA90475

HV 95 YA 99586 | HV 96 YA 99587 | HV 266 YB 01705 | RAX 4 YA 90482 | RAX 3 YA 90481 | PAX 8 YA 90478 | PAX 7 YA 90477

HV 93 YA 99584 | HV 94 YA 99585 | HV 264 YB 01703 | RAX 6 YA 90484 | RAX 5 YA 90483

HV 92 YA 99583 | HV 117 YA 99608 | HV 118 YA 99609 | HV 263 YB 01702 (TRIG. TIE – LOCATION APPROX.)

HV 276 YB 01711 | HV 274 YB 01710 | HV 272 YB 01709 | HV 270 YB 01707 | HV 269 YB 01706

PS ZONE | RAY ZONE | GROUNDHOG ZONE | JENNY ZONE | PT ZONE | BIG MOUNTAIN ZONE | No.1 ZONE | No.2 ZONE | No.3 ZONE

VER 12 YB 01843 | VER 13 YB 01844 | VER 14 YB 01845

(201) (202) (203) (204) (205) (206) (207) (208) (209) (210) (211) (212) (213) (214) (215) (216) (217) (218) (219) (220) (221) (222) (223) (224) (225) (226) (227) (228) (229)

NO POST FOUND | (TRIG. TIE – LOCATION APPROX.)

DWG. No. BU-S1 BU-G1 BU-A1 | DWG. No. BP-G8 BP-A8 | DWG. No. BP-G1 BP-A1 | DWG. No. BP-G9 | DWG. No. BP-G10 | DWG. No. BP-G7 | DWG. No. BP-G2 BP-A2 | DWG. No. BP-A3 | DWG. No. BP-G5 BP-A5 | DWG. No. BP-A4 | DWG. No. B-G1

N | 1° 59' | 28° 11' | TRUE NORTH | GRID | MAGNETIC

INDEX

DWG. No. (AREA / ZONE)(VIEW) — (TYPE)(PLAN No.)

AREA / ZONE		VIEW	TYPE	PLAN No.
"A"	P – P.N. L – LUCKY – LUCKY (MF)	P – SURFACE PLAN S – DRILL SECTION L – LONGITUDINAL U – UNDERGROUND	G – GEOLOGY A – ASSAY R – RESERVE S – SURVEY GY – GEOPHYSICS GS – GEOLOGY SECTION	NUMBERED SEQUENTIALLY BY AREA/ZONE AND VIEW.
"B"	2 – No. 2 – No. 2A 3 – No. 3 – No. 3A Z – ZEUS – DELTA – A VEIN – B VEIN – C VEIN			
"C"	G – GROUNDHOG – JENNY PT – PT ZONE			

LEGEND

UNIVERSAL TRANSVERSE MERCATOR GRID

(208) — SURVEY POINT No.

POST No.

HV 95 YA 99586 | HV 96 YA 99587 — CLAIM NAME / TAG No.

LOCATION LINE WITH DIRECTION OF STAKING

POST FOUND

CLAIM LOCATION APPROXIMATE (NO POSTS SURVEYED)

GEOLOGICAL SHOWING

ALL CLAIM POSTS SURVEYED BY THOMSON & ILES, OCTOBER 1987, WITH THE EXCEPTION OF CARIBOU CLAIM POSTS. THESE WERE SURVEYED BY POLARIS CONSULTING, AUGUST 1988.

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:5000

METRES 0 20 60 100 200 300 400 500 600 METRES

FEET 0 100 300 500 1000 1500 2000 FEET

AREA "B" INDEX PLAN

DATE: DECEMBER 31, 1988 | TECH.: R.H. | DRAWN BY: POLARIS CONSULTING, R.H.

DWG. No. B-1

614000 E | 615000 E | 616000 E | 617000 E | 618000 E

837000 N | 836000 N | 835000 N

GREG CLAIMS

HV 106 YA 99597 | HV 105 YA 99596 | VER 10 YA 98610 | VER 11 YA 98611 | HV 216 YB 01726 | HV 215 YB 01725 | HV 218 YB 01728 | BEN 15 Y 13597

HV 103 YA 99594 | HV 104 YA 99595 | VER 7 YA 90981 | VER 8 YA 90982 | VER 9 YA 90983 | CARIBOU 2 89297 | CARIBOU 1 89296

HV 101 YA 99592 | HV 102 YA 99593 | VER 5 YA 90979 | VER 6 YA 90980 | PAX 2 YA 90472 | PAX 1 YA 90471

HV 99 YA 99590 | HV 100 YA 99591 | VER 3 YA 90977 | VER 4 YA 90978 | CARIBOU 3 89298 | PAX 3 YA 90473

HV 97 YA 99588 | HV 98 YA 99589 | VER 1 YA 90975 | RAX 2 YA 90480 | VER 2 YA 90976 | PAX 4 YA 90474 | RAX 1 YA 90479 | PAX 6 YA 90476 | PAX 5 YA90475

HV 95 YA 99586 | HV 96 YA 99587 | HV 266 YB 01705 | RAX 4 YA 90482 | RAX 3 YA 90481 | PAX 8 YA 90478 | PAX 7 YA 90477

HV 93 YA 99584 | HV 94 YA 99585 | HV 264 YB 01703 | RAX 6 YA 90484 | RAX 5 YA 90483

HV 92 YA 99583 | HV 117 YA 99608 | HV 118 YA 99609 | HV 263 YB 01702

HV 276 YB 01711 | HV 274 YB 01710 | HV 272 YB 01709 | HV 270 YB 01708 | HV 268 YB 01707 | HV 267 YB 01706 | HV 265 YB 01704

VER 12 YB 01843 | VER 13 YB 01844 | VER 14 YB 01845

PS ZONE | RAY ZONE | JENNY ZONE | GROUNDHOG ZONE | PT ZONE | BIG MOUNTAIN ZONE | ZEUS ZONE | No 3 ZONE | A & B ZONES | No 2 ZONE | No 1 ZONE

UNDERGROUND WORKINGS

(202) (203) (204) (205) (208) (223) (211) (212) (218) (213) (214) (217) (224) (207) (206) (225) (222) (216) (215) (226) (219) (220) (221) (229) (228)

NO POST FOUND

(TRIG TIE – LOCATION APPROX)

1° 59'
29° 11'
TRUE NORTH
GRID
MAGNETIC

LEGEND

UNIVERSAL TRANSVERSE MERCATOR GRID

(208) — SURVEY POINT No
POST No
HV 95 YA 99586 | HV 96 YA 99587 — CLAIM NAME / TAG No
LOCATION LINE WITH DIRECTION OF STAKING
POST FOUND
CLAIM LOCATION APPROXIMATE (NO POSTS SURVEYED)

GEOLOGICAL SHOWING

ALL CLAIM POSTS SURVEYED BY THOMSON & ILES, OCTOBER 1987, WITH THE EXCEPTION OF CARIBOU CLAIM POSTS THESE WERE SURVEYED BY POLARIS CONSULTING, AUGUST 1988

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

YUKON MINERALS – PERREX J.V.

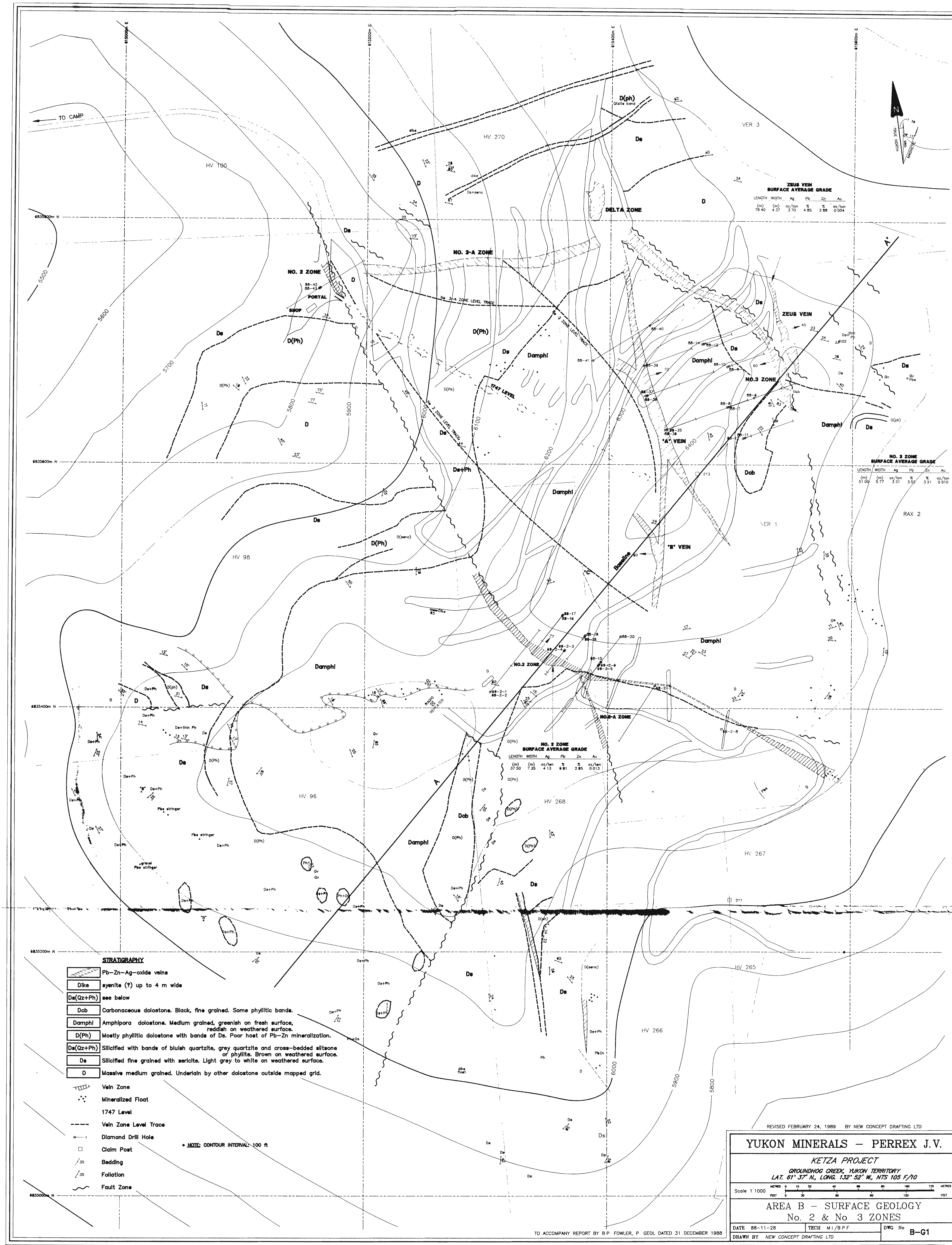
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 5000
METRES 0 20 40 60 100 200 300 400 500 600 METRES
FEET 0 100 300 500 1000 1500 2000 FEET

PLAN OF SURVEYED CLAIMS & LOCATION OF MAIN ZONES

DATE DECEMBER 31, 1988 | TECH. R H | DWG No BC-S1
DRAWN BY POLARIS CONSULTING, R H


TO CAMP
HV 100
HV 270
HV 98
HV 96
HV 268
HV 267
HV 266
HV 265
VER 3
VER 1
RAX 2
615000m E
615200m E
615400m E
615600m E
6835800m N
6835600m N
6835400m N
6835200m N
6835000m N
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
TRUE NORTH
GRID
MAGNETIC
dike
Ds+seric
D(ph)
Qtzite band
DELTA ZONE
NO. 3-A ZONE
No 3-A ZONE LEVEL TRACE
No 3 ZONE LEVEL TRACE
No 2 ZONE LEVEL TRACE
NO. 2 ZONE
PORTAL
SHOP
1747 LEVEL
ZEUS VEIN
NO.3 ZONE
"A" VEIN
"B" VEIN
"C"
Baseline
A
A'
NO.2 ZONE
NO.2-A ZONE
RADIO REPEATER
Damphi
Dcb
D(Ph)
D(seric)
Ds+Ph
Ds+thin Ph
Pbs stringer
gravel Pbs stringer
dike float
ZEUS VEIN
SURFACE AVERAGE GRADE
LENGTH WIDTH Ag Pb Zn Au
(m) (m) oz/ton % % oz/ton
79 40 4 37 3 70 4 85 2 88 0 004
NO. 3 ZONE
SURFACE AVERAGE GRADE
LENGTH WIDTH Ag Pb Zn Au
(m) (m) oz/ton % % oz/ton
51 00 5 77 3 31 3 52 3 21 0 010
NO. 2 ZONE
SURFACE AVERAGE GRADE
LENGTH WIDTH Ag Pb Zn Au
(m) (m) oz/ton % % oz/ton
37 50 7 35 4 13 6 81 2 95 0 013
STRATIGRAPHY
Pb–Zn–Ag–oxide veins
Dike syenite (?) up to 4 m wide
Ds(Qz+Ph) see below
Dcb Carbonaceous dolostone. Black, fine grained. Some phyllitic bands.
Damphi Amphipora dolostone. Medium grained, greenish on fresh surface, reddish on weathered surface.
D(Ph) Mostly phyllitic dolostone with bands of Ds. Poor host of Pb–Zn mineralization.
Ds(Qz+Ph) Silicified with bands of bluish quartzite, grey quartzite and cross-bedded siltsone or phyllite. Brown on weathered surface.
Ds Silicified fine grained with sericite. Light grey to white on weathered surface.
D Massive medium grained. Underlain by other dolostone outside mapped grid.
Vein Zone
Mineralized Float
1747 Level
Vein Zone Level Trace
Diamond Drill Hole
Claim Post
Bedding
Foliation
Fault Zone
* NOTE: CONTOUR INTERVAL: 100 ft
REVISED FEBRUARY 24, 1989 BY NEW CONCEPT DRAFTING LTD
YUKON MINERALS – PERREX J.V.
KETZA PROJECT
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10
Scale 1 1000
AREA B – SURFACE GEOLOGY
No. 2 & No 3 ZONES
DATE 88-11-28
TECH MI/BPF
DWG No B-G1
DRAWN BY NEW CONCEPT DRAFTING LTD
TO ACCOMPANY REPORT BY B P FOWLER, P GEOL DATED 31 DECEMBER 1988

615000m E
615200m E
615400m E
615600m E
6835800m N
6835600m N
6835400m N
3+00 W
2+70 W
2+40 W
2+10 W
1+80 W
1+50 W
0+00 W
0+00
N
TRUE NORTH
59°
24°
GRID
MAGNETIC
DELTA
NO. 3-A
PORTAL
SHOP
ZEUS
No.3
1747 LEVEL
NO.2
NO.2-A
B"
A"
5500
5600
5700
5900
6000
6100
6200
6300
6400
6500
VLF-EM CONDUCTOR (DEFINED PROBABLE)
IN PHASE
OUT OF PHASE
VERTICAL SCALE
+20
+10
+5
-5
-10
SURVEY DIRECTION
VLF STATION CUTLER, MAINE
* NOTE: CONTOUR INTERVAL 100 ft
LEGEND
Vein Zone
Mineralized Float
1747 Level

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N., LONG. 132° 52' W, NTS 105 F/10

Scale 1 1000
METRES 0 4 8 12 16 20 40 80 80 100 120 METRES
FEET 0 20 40 60 80 100 200 300 400 FEET

VLF–EM SURVEY – PROFILE PLAN
No. 2 & No. 3 ZONES

DATE 88-11-28	TECH. MI/BPF/RH	DWG No B-GY1
DRAWN BY NEW CONCEPT DRAFTING LTD		

615000m E
615200m E
615400m E
615600m E
6835800m N
6835600m N
6835400m N
3+00 W
2+70 W
2+40 W
2+10 W
1+80 W
1+50 W
0+00 W
0+00
DELTA
NO. 3-A
ZEUS
No.3
NO 2
NO.2-A
"A"
"B"
PORTAL
SHOP
1747 LEVEL
5300
5400
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
5100
N
TRUE NORTH
GRID
MAGNETIC
VERTICAL SCALE
+20
+15
+10
+5
-5
-10
SURVEY DIRECTION
VLF STATION CUTLER, MAINE

* NOTE. CONTOUR INTERVAL 100 ft

LEGEND

Vein Zone

Mineralized Float

1747 Level

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

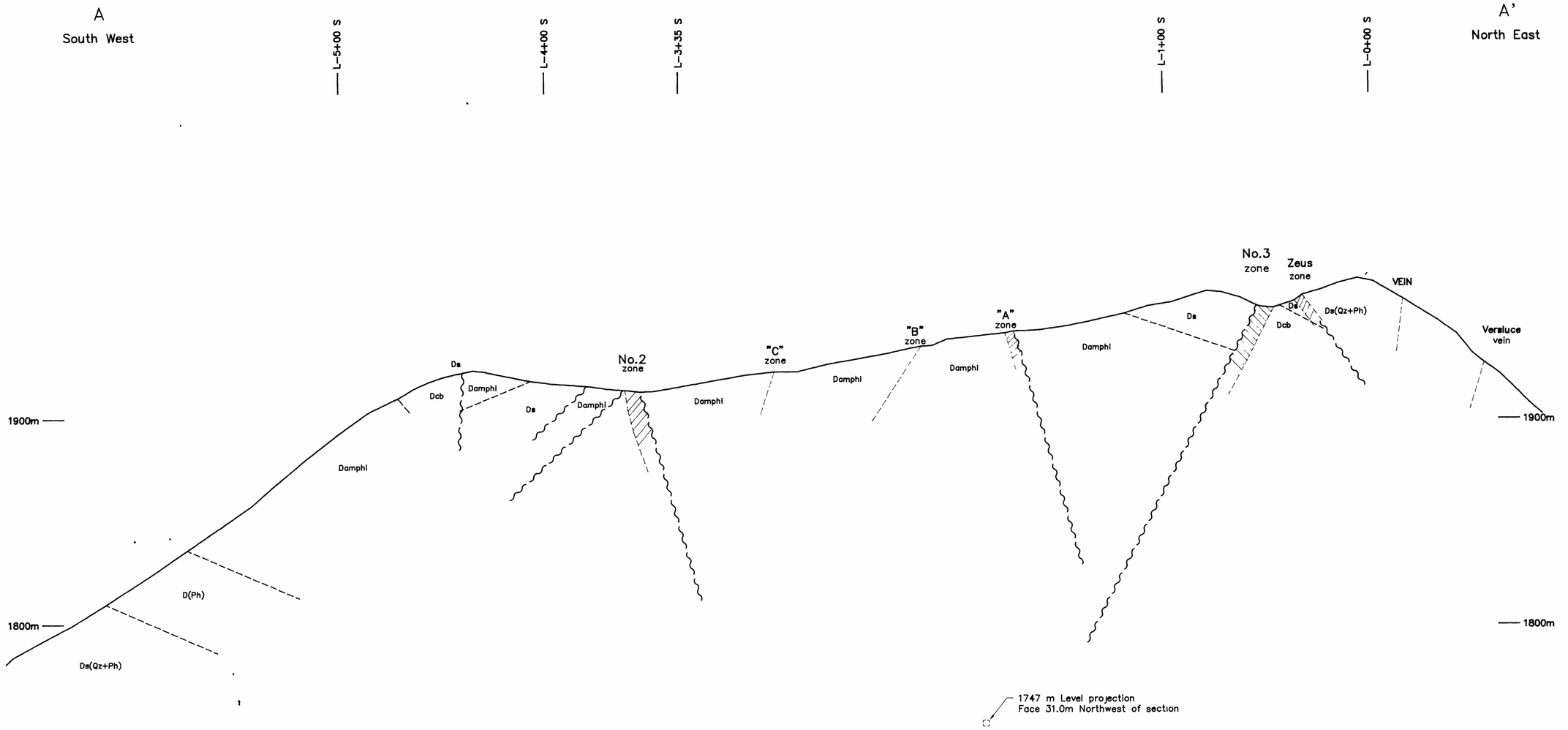
GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N., LONG 132° 52' W, NTS 105 F/10

Scale 1 1000

METRES 0 4 8 12 16 20 40 60 80 100 120 METRES
FEET 0 20 40 60 80 100 200 300 400 FEET

VLF-EM SURVEY – FRAZER FILTER
No. 2 & No. 3 ZONES

DATE 88-11-28	TECH MI/BPF/RH	DWG No B-GY1A
DRAWN BY NEW CONCEPT DRAFTING LTD		



STRATIGRAPHY

	Pb–Zn–py veins
Dike	syenite (?) up to 4m wide, may have dissipy
Ds(Qz+Ph)	see below
Dcb	Carbonaceous dolostone. Black, fine grained Some phyllitic bands.
Damphi	Amphipora dolostone. Medium grained, greenish on fresh surface, reddish on weathered surface.
D(Ph)	Mostly phyllitic dolostone with bands of Ds Poor host of Pb–Zn mineralization
Ds(Qz+Ph)	Silicified with bands of bluish quartzite, grey quartzite and cross–bedded siltsone or phyllite Brown on weathered surface.
Ds	Silicified fine grained with sericite Light grey to white on weathered surface.
D	Massive medium grained Underlain by other dolostone outside mapped grid.

Scale 1 1000

0 20 40 60 80

metres

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL DATED 31 DECEMBER 1988

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

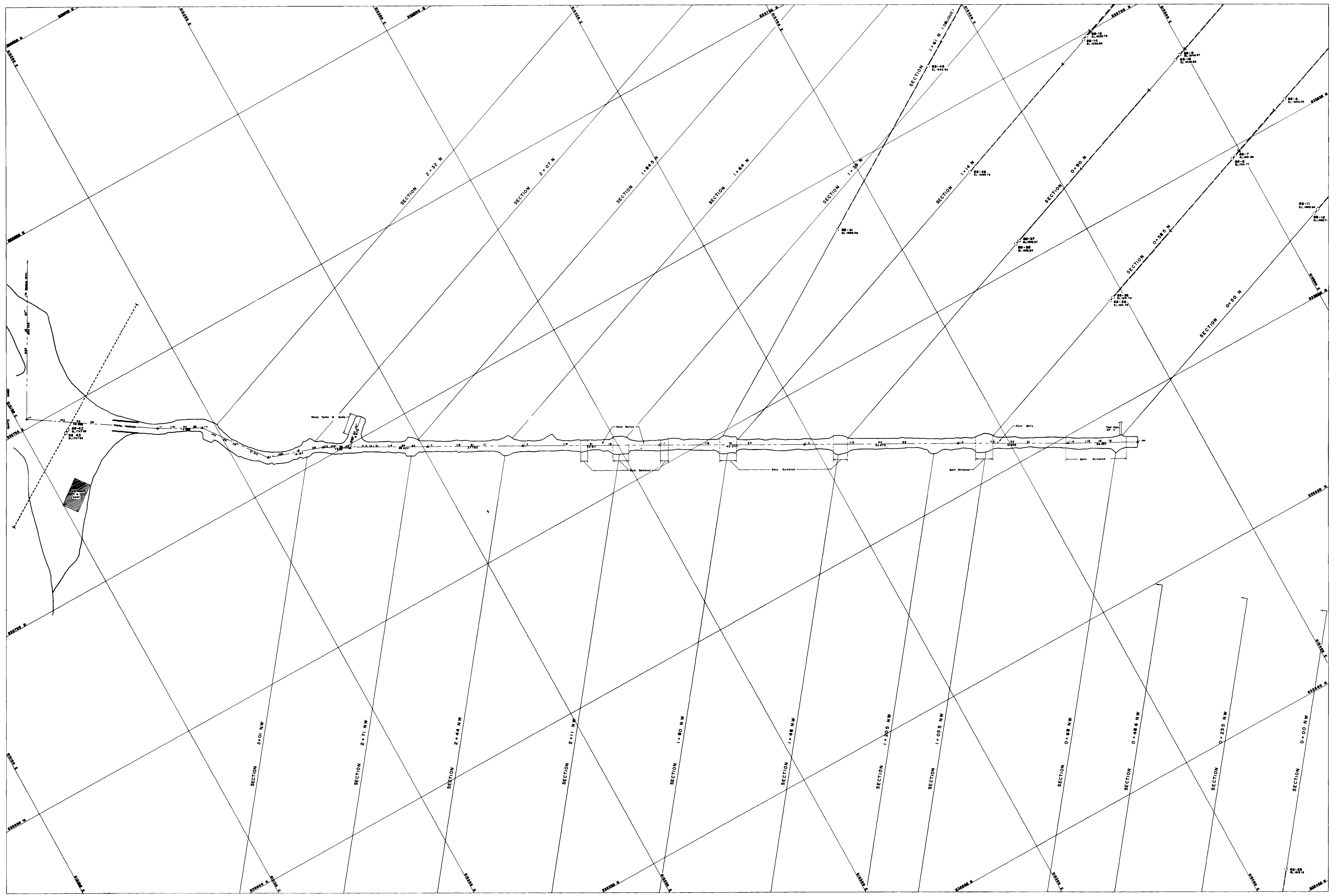
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 1000

METRES 0 10 20 40 60 80 100 120 METRES
FEET 0 10 30 90 150 210 270 330 390 FEET

AREA B – SECTION ALONG BASELINE
LOOKING NORTHWEST

DATE DECEMBER 31, 1988	TECH MI	DWG No
DRAWN BY NEW CONCEPT DRAFTING LTD		B–GS1



REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA

● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT FRACTURE FILLING

■ GALENA +/- SPHALERITE +/- TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- cerrite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite; <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena; <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

△ BRECCIA
FAULT WITH SENSE OF DISPLACEMENT DOWN BLOCK
FAULT WITH DIP & DIP DIRECTION
FOLIATION & ANGLE TO CORE AXIS
BEDDING & ANGLE TO CORE AXIS
JOINTING
GEOLOGICAL CONTACT – OBSERVED INFERRED
lam LAMINATED

STRATIGRAPHY

QUATERNARY
Overburden glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
A Dark green fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
S Fine to medium grained syenite dyke
uDMs Black shale, chert grit, and chert conglomerate

SILURIAN EARLY AND MIDDLE DEVONIAN
Ds(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
Dcb Carbonaceous dolostone, black, fine grained minor phyllite
Damph Amphipora +/- stromatoporoid dolostone
Dph Phyllitic dolostone with bands of silicified dolostone
Ds Silicified dolostone, fine grained, sericitic
D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
uЄcalv Grey – buff calcareous phyllite; thinly laminated
uЄOb Dark green mafic flow or sill

EARLY CAMBRIAN
lЄcal Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

REFERENCE

In front of section
Behind section
▲ Control Station

DRILL HOLE DATA

AVERAGE GRADE

ASSAY SEQUENCE

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No.

NOTE.
Elevations are Geodetic.
All distances and elevations are in metres unless noted.

TO ACCOMPANY REPORT BY G P FOWLER P GEOL DATED DECEMBER 31 1988

YUKON MINERALS – PERREX J.V.

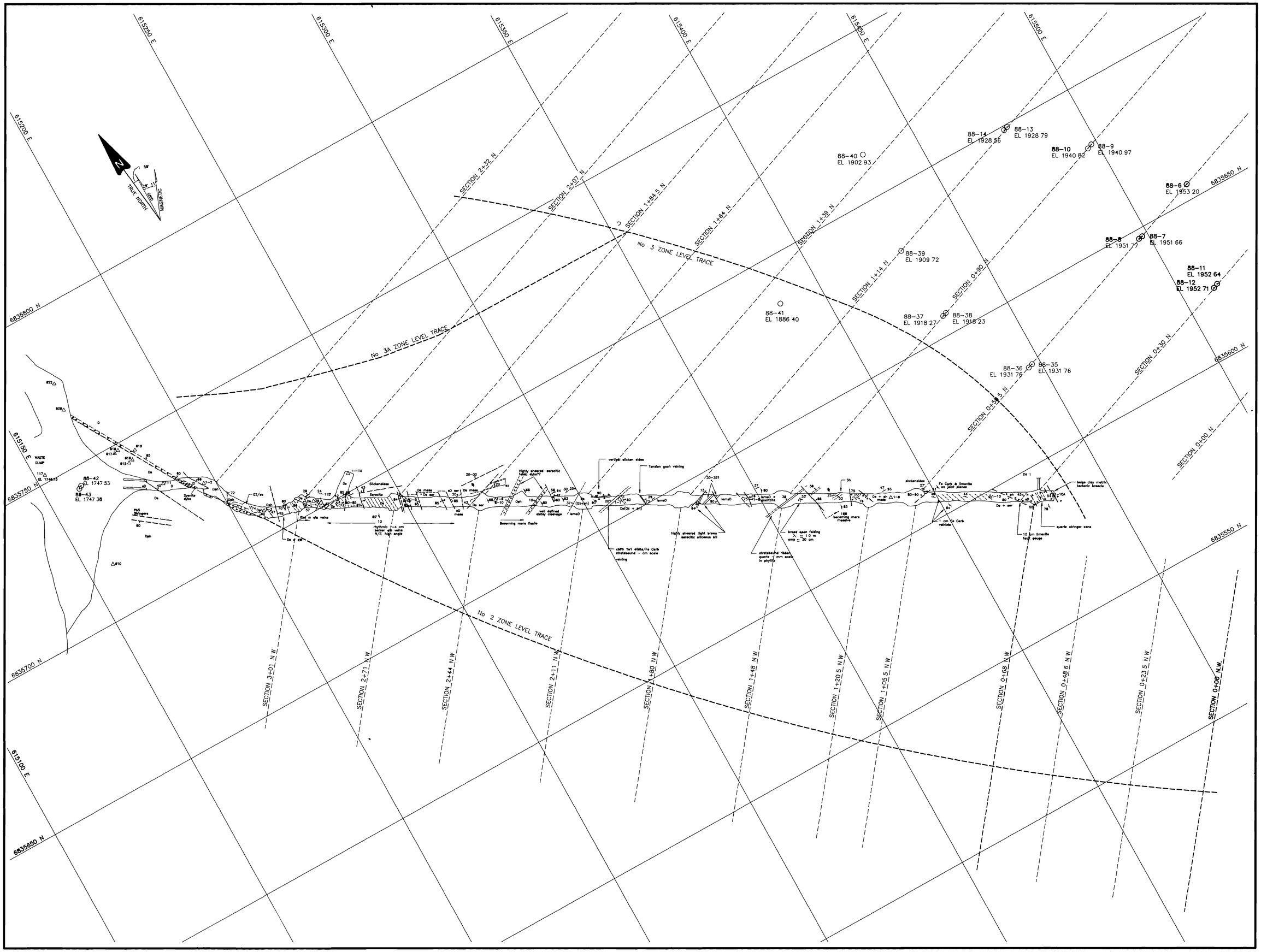
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N, LONG 132° 32' W, NTS 105 F/10

Scale 1 500

1747 LEVEL PLAN UNDERGROUND SURVEY

DATE: DECEMBER 28, 1988	TECH. R H	DWG No.
DRAWN BY: POLARIS CONSULTING R.H		BU-S1



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL DATED 31 DECEMBER 1988

REVISIONS

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dk(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damph Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOslv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

⊙ Diamond drill hole collar
△ Survey station

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

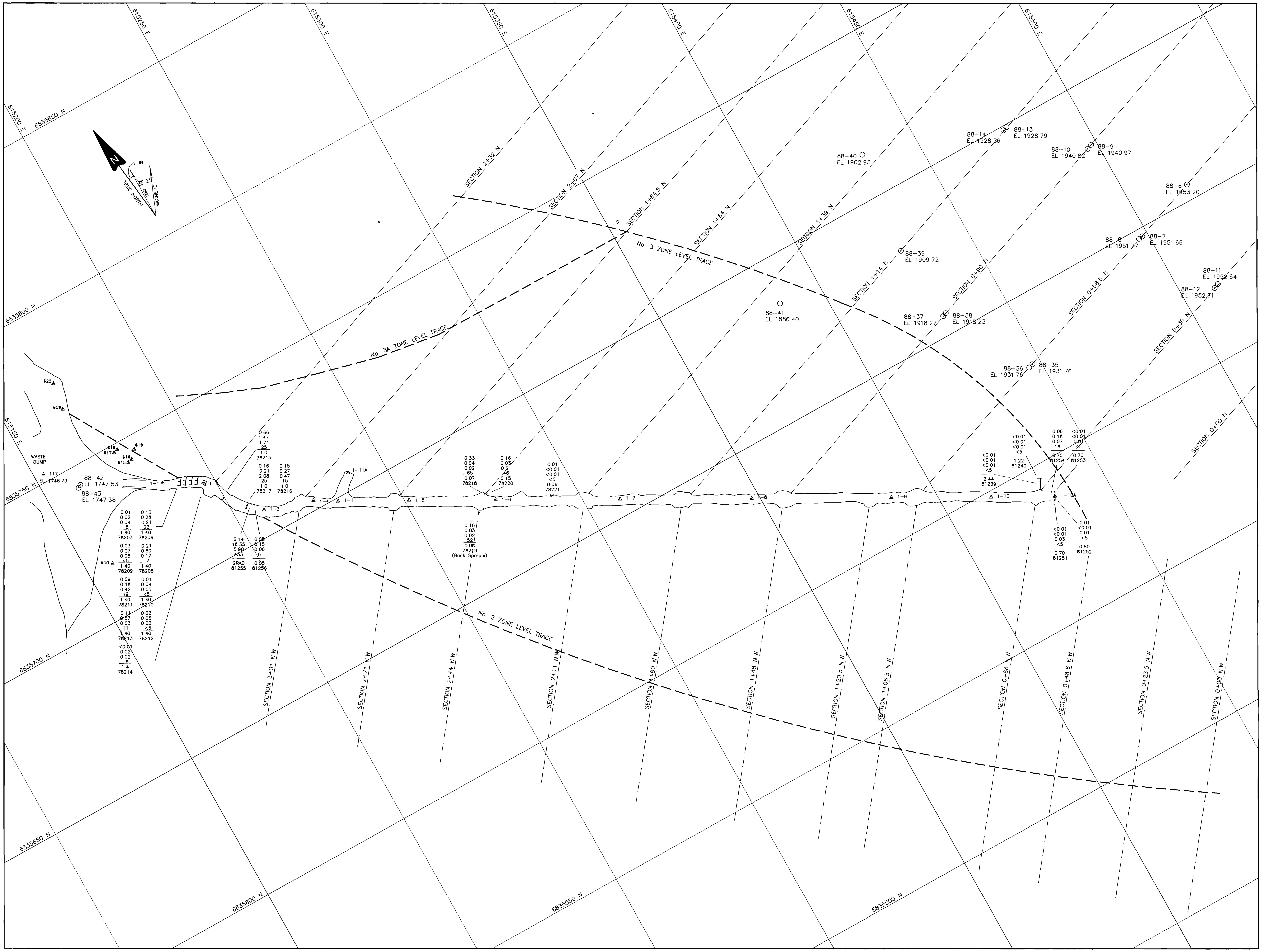
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 500
METRES 0 2 4 6 8 10 20 30 40 50 60 METRES
FEET 0 10 20 30 40 50 100 150 200 FEET

1747 LEVEL PLAN
GEOLOGY

DATE 88-12-03	TECH [illegible]/R H	DWG No BU-G1
DRAWN BY NEW CONCEPT DRAFTING LTD		



REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60 (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE: SAMPLE No, Ag (oz/ton), Pb %, Zn %, Au ppb, Cd (ppm) Where Applicable, CORE LENGTH, RECOVERY %

AVERAGE GRADE
HORIZ. WIDTH | Ag (oz/ton) | Pb % | Zn % | Au (oz/ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL DATED 31 DECEMBER 1988

NOTE
Elevations are Geodetic
All distances and elevations are in metres unless noted

○ Diamond drill hole collar
△ Survey station

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 500 — METRES 0 2 4 6 8 10 20 30 40 50 60 METRES; FEET 0 10 20 30 40 50 100 150 200 FEET

1747 LEVEL PLAN
ASSAY

DATE 88-12-21 | TECH BPF / RH | DWG No BU-A1
DRAWN BY *NEW CONCEPT DRAFTING LTD*

835900 N

615400 E

615450 E

615500 E

615550 E

615600 E

835850 N

835800 N

835750 N

SEE DWG. No. BP-GB

DELTA TRENCH

△#542
EL 1890.83

2+44

2+39

2+21

2+01

1+88

1+78

Ph,St

Ph,st

?

No 3 ZONE

REFERENCE LINE
Az=340°00'00"

REFERENCE LINE
Az=328°00'00"

DWG No 3S-G5

SECTION 1+61 N

1+72

1+50

ZEUS ZONE

1° 59'

TRUE NORTH

MAGNETIC

SEE DWG. No. BP-G2

TO ACCOMPANY REPORT BY B P FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	GLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
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cb	CARBONACEOUS

MINERALIZATION

▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA

● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING

■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
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QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

△ BRECCIA
FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
FAULT WITH DIP & DIP DIRECTION
FOLIATION & ANGLE TO CORE AXIS
BEDDING & ANGLE TO CORE AXIS
JOINTING
GEOLOGICAL CONTACT - OBSERVED, INFERRED
lam LAMINATED

STRATIGRAPHY

QUATERNARY
Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
Dark green, fine grained mafic dyke

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Damph Amphipore +/- stromatoporoid dolostone
Dph Phyllitic dolostone with bands of silicified dolostone
Ds Silicified dolostone, fine grained, sereictic
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uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
lEcal Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N, LONG. 132° 52' W, NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE GEOLOGY PLAN

DATE DECEMBER 31, 1988 | TECH BF & MI | DWG No BP-G1
DRAWN BY POLARIS CONSULTING, RH

835900 N

615400 E

615450 E

615500 E

615550 E

615600 E

835850 N

SEE DWG. No. BP-A8

DELTA TRENCH

△#542
EL 1890 93

2+44

78030

2+39

78020

2+21

77420

835800 N

2+01

77446

1+88

77436

1+78

77426

No 3 ZONE

615400 E

615450 E

835750 N

REFERENCE LINE
AZ=340°00'00"

AVERAGE GRADE

HORIZ WIDTH	Ag (oz/ton)	Pb %	Zn %	Au (oz/ton)	Ag/Pb	Pb/Zn
12 65m	2 75	3 97	4 39	0 003	0 69	0 90

AVERAGE GRADE

HORIZ WIDTH	Ag (oz/ton)	Pb %	Zn %	Au (oz/ton)	Ag/Pb	Pb/Zn
3 35m	0 81	1 07	0 53	<0 001	0 85	2 02

REFERENCE LINE
Az=328°00'00"

SECTION 1+61 N

DWG No 35-A5

1+72

1+50

ZEUS ZONE

615500 E

615550 E

615600 E

835750 N

SEE DWG. No. BP-A2

835800 N

1° 59'

TRUE NORTH

GRID

MAGNETIC

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65 00 (LENGTH - metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz/ton) | Pb % | Zn % | Au (ppb) | CORE RECOVERY LENGTH | Veins Applicable

AVERAGE GRADE

HORIZ WIDTH (ez/ton) | Ag | Pb % | Zn % | Au (ez/ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz/ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

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METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE ASSAY PLAN

DATE DECEMBER 31, 1988 | TECH B.F & R.H | DWG No BP-A1

DRAWN BY INFOMAP SERVICES INC.

SEE DWG No. BP-G1

SEE DWG. No. BP-G7

SEE DWG. No. BP-G3

DWG No 3S-G4

DWG No 3S-G3

DWG No 3S-G2

DWG No 3S-G1

615400 E

615450 E

615500 E

615550 E

615600 E

835750 N

835700 N

835650 N

835600 N

REFERENCE LINE Az=320°00'00"

REFERENCE LINE Az=340°00'00"

SECTION 1+61 N

SECTION 1+14 N

SECTION 0+90 N

SECTION 0+56.5 N

SECTION 0+30 N

No 3 ZONE

ZEUS ZONE

"A" ZONE

#4 ROAD

#5 ROAD

#3 ROAD

#2 ROAD

#587 EL 1908.92

#588 EL 1907.44

#589 EL 1887.28

#590 EL 1888.00

#579 EL 1928.92

#583 EL 1902.83

#584 EL 1901.34

#585 EL 1900.21

#586 EL 1899.23

#582 EL 1911.21

#580 EL 1922.60

#581 EL 1920.86

#512 EL 1952.26

#538 EL 1949.06

#102 EL 1956.22

YM-88-40 EL 1902.93

YM-88-14 EL 1928.56

YM-88-13 EL 1928.79

YM-88-39 EL 1926.72

YM-88-9 EL 1940.97

YM-88-10 EL 1940.82

YM-88-38 EL 1918.23

YM-88-37 EL 1918.27

YM-88-7 EL 1951.66

YM-88-5 EL 1951.77

YM-88-6 EL 1953.2

YM-88-35 EL 1931.78

YM-88-36 EL 1931.76

YM-88-12 EL 1952.71

YM-88-11 EL 1952.64

altered dim g,st,D

1°59'

29°11'

TRUE NORTH

GRID

MAGNETIC

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
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STRUCTURE

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- FAULT WITH DIP & DIP DIRECTION
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- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
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- uDMs Black shale, chert grit, and chert conglomerate

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- Ds Silicified dolostone, fine grained, sericitic
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EARLY CAMBRIAN
- lEcal Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE.
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All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE SURFACE GEOLOGY PLAN

DATE	DECEMBER 31, 1988	TECH	B.F. & M.I.
DRAWN BY	POLARIS CONSULTING, R.H.	DWG No	BP-G2

SEE DWG. No. BP-A1

SEE DWG. No. BP-A7

835750 N
835700 N
835650 N
835600 N
615400 E
615450 E
615500 E
615550 E
615600 E

#587 EL 1909 92
#589 EL 1887 28
#588 EL 1907 44
#590 EL 1858 00
#5 ROAD
#4 ROAD
SECTION 1+61 N
YM-88-40 EL 1902 93
#579 EL 1928 92
REFERENCE LINE
N 32° 00' W
ZEUS SURFACE AVERAGE GRADE

LENGTH (m)	WIDTH (m)	Ag (oz/ton)	Pb %	Zn %	Au (oz/ton)	Ag/Pb	Pb/Zn
79 40	4 37	3 70	4 85	2 88	0 004	0 76	1 68

ZEUS-NORTH AVERAGE GRADE

LENGTH (m)	WIDTH (m)	Ag (oz/ton)	Pb %	Zn %	Au (oz/ton)	Ag/Pb	Pb/Zn
18 80	2 17	5 37	7 44	3 27	0 005	0 72	2 28

1+45 1+40 1+35 1+30 1+25 1+20 1+15 1+10 1+05 1+00
DWG No 3S-A4
1° 59' EAST
TRUE NORTH
GRID
MAGNETIC
DWG No 3S-A3
EL 1956 22 #102
SECTION 1+14 N
YM-88-14 EL 1928 56
YM-88-13 EL 1928 78
#583 EL 1902 83
#584 EL 1901 34
#585 EL 1900 21
#586 EL 1899 23
YM-88-39 EL 1908 72
#3 ROAD
#582 EL 1911 21
"A" ZONE
0+95 0+90 0+85 0+80 0+75 0+70 0+65 0+58.5 0+55 0+50 0+45 0+41
ZEUS-SOUTH AVERAGE GRADE

LENGTH (m)	WIDTH (m)	Ag (oz/ton)	Pb %	Zn %	Au (oz/ton)	Ag/Pb	Pb/Zn
46 90	5 73	3 97	5 14	2 88	0 004	0 77	1 80

BULK SAMPLE - No 3 ZONE - LINE 0+80

8 85	3 80	5 20	3 44	0 014	0 69	1 51	

YM-88-9 EL 1940 97
YM-88-10 EL 1940 82
#538 EL 1949 06
SECTION 0+90 N
YM-88-38 EL 1918 23
YM-88-37 EL 1918 27
#2 ROAD
#580 EL 1922 80
YM-88-6 EL 1953 2
DWG No 3S-A1
#581 EL 1920 96
YM-88-7 EL 1951 66
YM-88-8 EL 1951 77
No 3 ZONE SURFACE AVERAGE GRADE

	LENGTH (m)	WIDTH (m)	Ag (oz/ton)	Pb %	Zn %	Au (oz/ton)	Ag/Pb	Pb/Zn
	51 00	5 77	3 31	3 52	3 21	0 010	0 84	1 11
HIGH GRADE	51 00	2 47	5 88	6 45	3 60	0 013	0 93	1 79

SECTION 0+58 5 N
YM-88-35 EL 1931 76
YM-88-36 EL 1931 76
YM-88-12 EL 1952 71
YM-88-11 EL 1952 64
SECTION 0+30 N

SEE DWG. No. BP-A3

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

FEB 27/89 , R H REARRANGE ZEUS ASSAYS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No)
-60 (INCLINATION)
65 00 (LENGTH - metres)

AVERAGE GRADE

HORIZ WIDTH	Ag (oz./ton)	Pb %	Zn %	Au (oz./ton)	Ag/Pb	Pb/Zn	RECOVERY %

ASSAY SEQUENCE

SAMPLE No | Ag (oz./ton) | Pb % | Zn % | Au ppb | Cd (ppm) Where Applicable | CORE RECOVERY % | CORE LENGTH

LEGEND

CHANNEL SAMPLE DATA

Ag (oz /ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE SURFACE ASSAY PLAN

DATE DECEMBER 31, 1988	TECH. B F & R.H	DWG No BP-A2
DRAWN BY INFOMAP SERVICES INC.		

SEE DWG No BP–A2

835600 N

615400 E

615450 E

615500 E

615550 E

615600 E

835550 N

835500 N

835450 N

DWG No 3S–A1

SECTION 0+30 N

△# 532
EL 1951.36

△# 112
EL 1951.38

△# 544
EL 1948.637

"A" ZONE

"B" ZONE

SEE DWG. No. BP–A6

SECTION 0+48.6 NW

△# 543
EL 1938.24

DWG No 2S–A2

SEE DWG. No. BP–A5

SECTION 0+23.5NW

DWG No 2S–A1

SECTION 0+00NW

YM85–20
EL 1913.16

LINE 12

EL 1909.04
△# 539

SEE DWG. No. BP–A4

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM–85–5 (DRILL HOLE No.)
–60° (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No. | Ag (oz/ton) | Pb % | Zn % | Au ppb | Cd (ppm) Where Applicable | CORE LENGTH | RECOVERY %

AVERAGE GRADE

HORIZ WIDTH | Ag (oz/ton) | Pb % | Zn % | Au (oz/ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz/ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

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All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

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LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE ASSAY PLAN

DATE DECEMBER 31, 1988 | TECH B.F. & R.H. | DWG No BP–A3
DRAWN BY INFOMAP SERVICES INC.

SEE DWG. No. BP-A3

835450 N

615400 E

615450 E

615500 E

615550 E

615600 E

835400 N

835350 N

835300 N

LINE 12

LINE 13

LINE 14

No 2 ZONE

No 2

No 2

#541
EL 1887 72

#540
EL 1884 20

69-2-7
EL 1898 4

69-2-8
EL 1879 00

AVERAGE GRADE

LENGTH (m)	WIDTH (m)	Ag (oz/ton)	Pb %	Zn %	Au (oz/ton)	Ag/Pb	Pb/Zn
42 50	1 05	2 98	4 27	4 85	0 010	0 70	0 92

SEE DWG. No BP-A5

SEE DWG. No BP-A5

REFERENCE LINE
Az=308°00'00"

1° 59'

TRUE NORTH

GRID

MAGNETIC

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60 (INCLINATION)
65 00 (LENGTH - metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz/ton) | Pb % | Zn % | Au ppb | CORE LENGTH | RECOVERY % | Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz /ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTES:
Elevations are Geodetic
All distances and elevations are in metres unless noted

DDH'S 69-2-1 TO 69-2-8 WERE DRILLED JULY - AUGUST, 1969 BY DOLMAGE, CAMPBELL & ASSOCIATES ON BEHALF OF CANOL MINES LTD

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

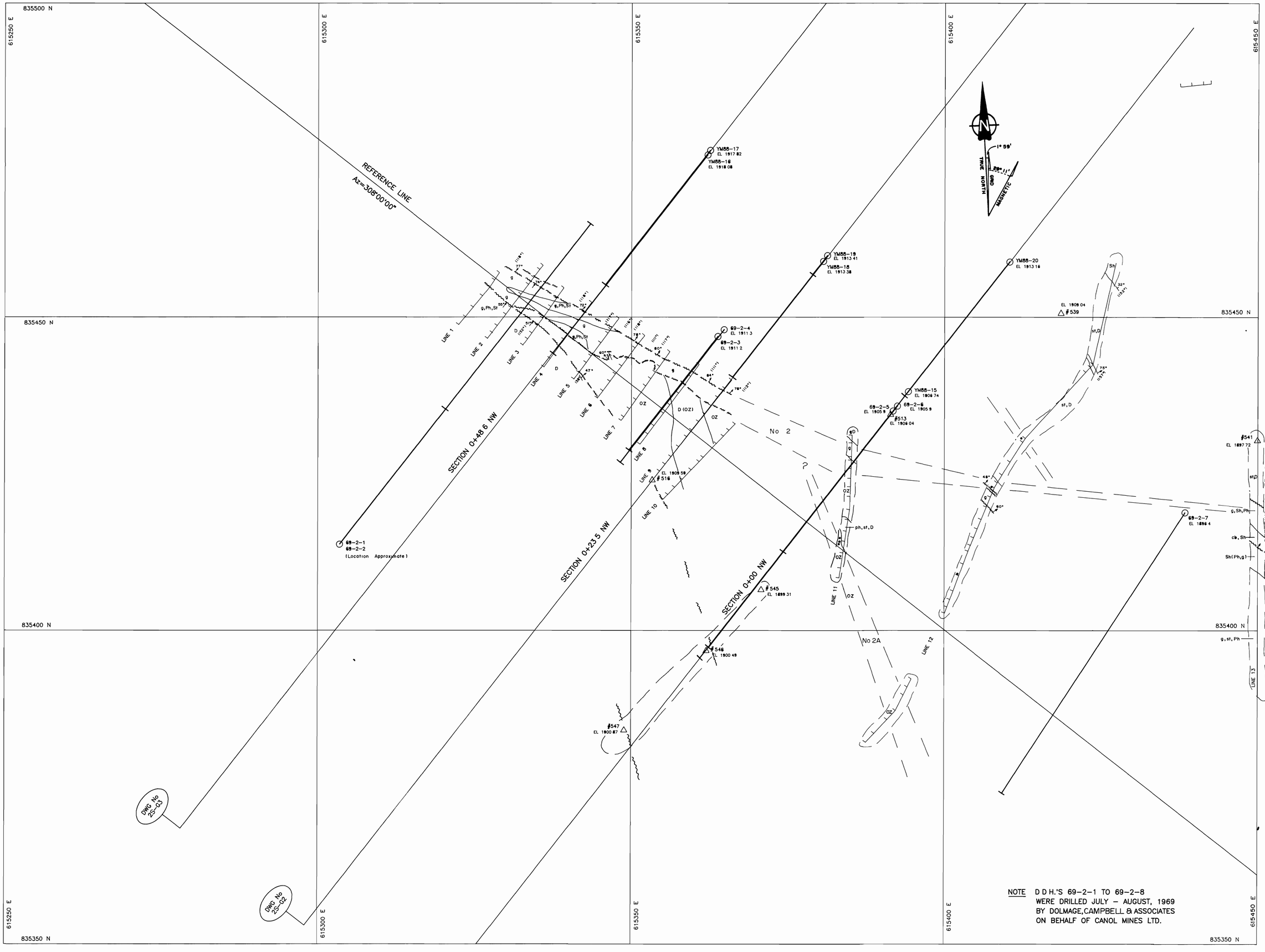
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE ASSAY PLAN

DATE DECEMBER 31, 1988	TECH B.F & R.H	DWG No	BP-A4
DRAWN BY INFOMAP SERVICES INC			

SEE DWG. No. BP– G6



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scorodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/– massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- – – GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dw(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damphl Amphipora +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereictic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEDslv Grey – buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman–Kluit, 1977)

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250
METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 2 ZONE SURFACE GEOLOGY PLAN

DATE	DECEMBER 31, 1988	TECH	BF & MI
DRAWN BY	POLARIS CONSULTING, RH	DWG No	BP–G5

SEE DWG. No. BP–A6

835500 N

615250 E

615300 E

615350 E

615400 E

615450 E

835450 N

835400 N

835350 N

REFERENCE LINE
Az=305°00'00"

SECTION 0+48 6 NW

SECTION 0+23 5 NW

SECTION 0+00 NW

"B" ZONE

No 2 ZONE

No 2–A VEIN

LINE 1
LINE 2
LINE 3
LINE 4
LINE 5
LINE 6
LINE 7
LINE 8
LINE 9
LINE 10
LINE 11
LINE 12

YM88–17
EL 1917 82
YM88–16
EL 1918 08
YM88–19
EL 1913 41
YM88–18
EL 1913 38
YM88–20
EL 1913 16
YM88–15
EL 1905 74

69–2–1
69–2–2
69–2–3
EL 1911 2
69–2–4
EL 1911 3
69–2–5
EL 1905 9
69–2–6
EL 1905 9
69–2–7
EL 1896 4

#513
EL 1906 04
#516
EL 1909 59
#539
EL 1909 04
#541
EL 1897 72
#545
EL 1899 31
#546
EL 1900 49
#547
EL 1900 87

DWG No 2S–A3
DWG No 2S–A2

SEE DWG No. BP–A4

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM–88–5 (DRILL HOLE No.)
–60° (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE: Sample No | Ag (oz/ton) | Pb % | Zn % | Au (gm/t) Where Applicable | Au Pb | CORE LENGTH | RECOVERY %

AVERAGE GRADE: HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz/ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTES:
Elevations are Geodetic
All distances and elevations are in metres unless noted

D D H 'S 69–2–1 TO 69–2–8 WERE DRILLED JULY – AUGUST, 1969 BY DOLMAGE, CAMPBELL & ASSOCIATES ON BEHALF OF CANOL MINES LTD

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 2 ZONE SURFACE ASSAY PLAN

DATE DECEMBER 31, 1988 | TECH B.F. & R.H | DWG No BP–A5
DRAWN BY INFOMAP SERVICES INC

SEE DWG. No BP–G7

835600 N

615200 E

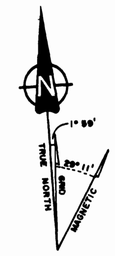
615250 E

615300 E

615350 E

615400 E

835600 N



835550 N

835550 N

835500 N

835500 N

SEE DWG. No. BP–G5

SEE DWG. No BP–G5

SEE DWG. No. BP–G3

REFERENCE LINE
Az=305°00'00"

LINE 1 (184)

LINE 2 (69+22)

LINE 3

LINE 4 (119)

SECTION 0+48 6 NW

SECTION 0+23 5 NW

YM88–17
EL 1917 82

YM88–16
EL 1918 08

YM88–19
EL 1913 41

YM88–18
EL 1913 38

615200 E

615250 E

615300 E

615350 E

615400 E

835450 N

835450 N

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– accordite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/– massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena; <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 38 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- — — GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dc(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damph Amphipore +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereictic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEDslv Grey – buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman–Kluit, 1977)

NOTE.
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE GEOLOGY PLAN

DATE DECEMBER 31, 1988 | TECH B.F. & M I | DWG No BP–G6

DRAWN BY POLARIS CONSULTING , R H

SEE DWG. No. BP–G8

SEE DWG. No. BP–G10

SEE DWG. No BP–G2

835750 N

835700 N

835650 N

835600 N

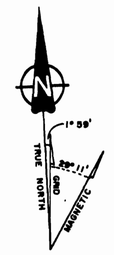
615200 E

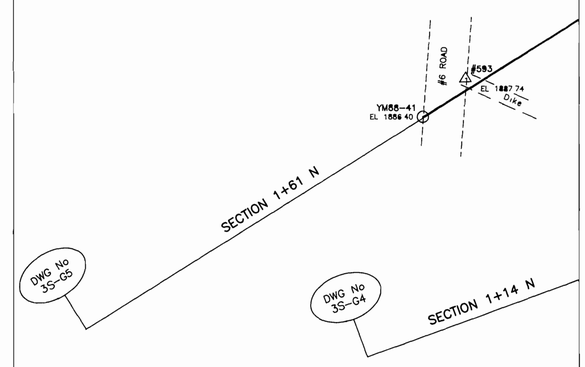
615250 E

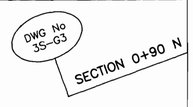
615300 E

615350 E

615400 E







SEE DWG. No. BP–G6

TO ACCOMPANY REPORT BY B.P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA

● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING

■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scerodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE, geuge/breccia zone with >30% limonite matrix +/– massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

△ BRECCIA
FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
FAULT WITH DIP & DIP DIRECTION
FOLIATION & ANGLE TO CORE AXIS
BEDDING & ANGLE TO CORE AXIS
JOINTING
— – GEOLOGICAL CONTACT – OBSERVED, INFERRED
lam LAMINATED

STRATIGRAPHY

QUATERNARY
Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
Fine to medium grained syenite dyke
uDMs Black shale, chert grit, and chert conglemerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
DsI(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
Dcb Carbonaceous dolostone, black, fine grained minor phyllite
Damphi Amphipora +/– stromatoporoid dolostone
Dph Phyllitic dolostone with bands of silicified dolostone
Ds Silicified dolostone, fine grained, sericitic
D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
OSel Black, greptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
uEOslv Grey – buff calcareous phyllite, thinly laminated
uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
lEcsl Grey calcareous mica schist and marble

(modified after Templeman–Kluit, 1977)

NOTE.
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE GEOLOGY PLAN

DATE DECEMBER 31, 1988 | TECH B.F & R.H | DWG No BP–G7

DRAWN BY POLARIS CONSULTING, R.H

835900 N

615200 E

615250 E

615300 E

615350 E

615400 E

835850 N

SEE DWG. No. BP-G9

SEE DWG No BP-G1

N

1° 59'

TRUE NORTH

ONS

MAGNETIC

DWG No 35-G6

835800 N

SECTION 3+30 N

597 EL 1853.43

DELTA TRENCH

Ph,St

Sh

Sh ? Shaly dlm

D

2+80

2+68

2+56

2+44

2+32

592 EL 1869.89

595 EL 1861.38

591 EL 1869.64

596 EL 1848.84

600 EL 1836.84

601 EL 1823.58

603 EL 1802.56

604 EL 1802.82

602 EL 1824.04

599 EL 1837.55

598 EL 1848.30

605 EL 1785.51

ROAD

#6 ROAD

#7

#8

#9

#10

#11

#12

No 3A

835750 N

SEE DWG. No. BP-G7

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
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g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp	SPHALERITE
py	PYRITE
VZ	VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ	OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena, sphalerite, pyrite
GZ	GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ	SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ	PYRITE ZONE, massive, clotted pyrite
QV	QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY

- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY

- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN

- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN

- Da(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damph Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN

- OSal Black, greptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN

- uEGWv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN

- lEcal Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE GEOLOGY PLAN

DATE DECEMBER 31, 1988 | TECH BF & MI | DWG No BP-G8

DRAWN BY POLARIS CONSULTING, RH

615200 E | 615250 E | 615300 E | 615350 E | 615400 E

835900 N

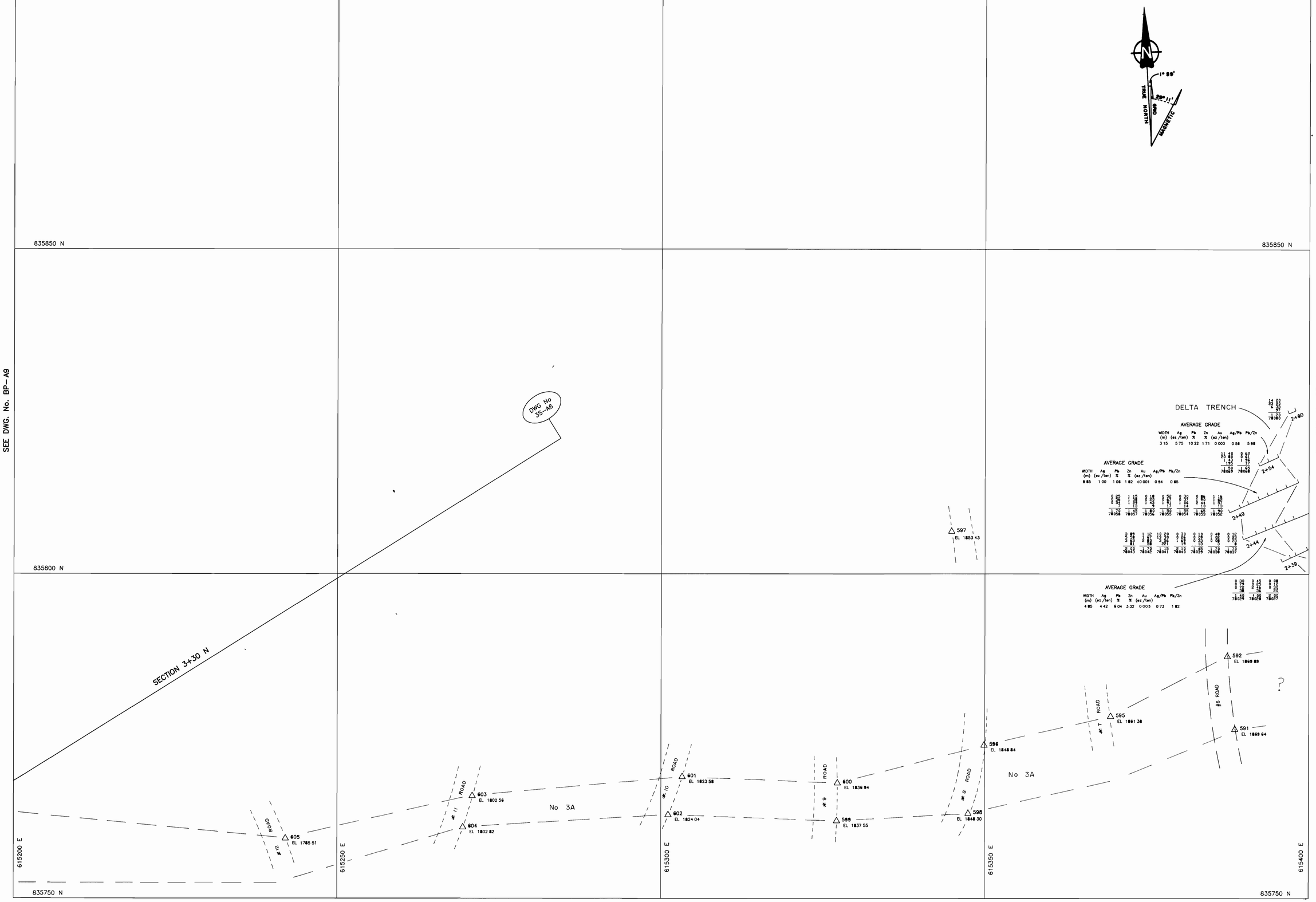
835850 N

835800 N

835750 N

SEE DWG. No. BP–A9

SEE DWG No BP–A1



SEE DWG. No BP–A7

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

DRILL HOLE DATA

YM–88–5 (DRILL HOLE No.)
–60 (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE: SAMPLE No | Ag (oz/ton) | Pb % | Zn % | Au ppb | Cd (ppm) Where Applicable | CORE RECOVERY LENGTH %

AVERAGE GRADE: HORIZ WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz/ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE:
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE ASSAY PLAN

DATE	DECEMBER 31, 1988	TECH	B.F. & R.H.
DRAWN BY	INFOMAP SERVICES INC	DWG No	BP–A8

835900 N

615000 E

615050 E

615100 E

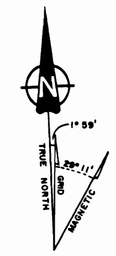
615150 E

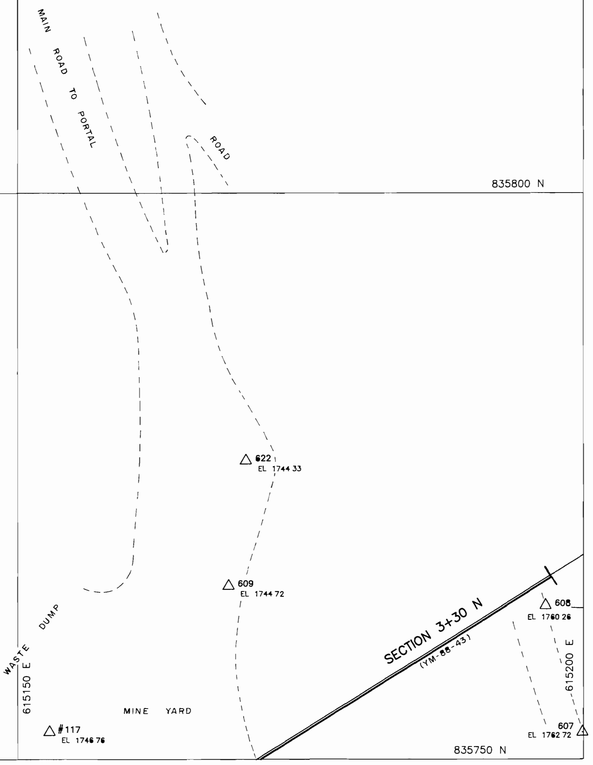
615200 E

835850 N

835800 N

835750 N





SEE DWG No BP-G8

SEE DWG. No. BP-G10

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

- Ct CHERT
- D DOLOSTONE
- M MUDSTONE
- Sh SHALE
- Ph PHYLLITE
- St SILTSTONE
- Qz QUARTZITE/ARENITE
- C CONGLOMERATE
- A ANDESITE
- S SYENITE

MINOR COMPONENTS

- d DOLOMITIC
- (f) FOSSILIFEROUS
- s SILICIFIED
- a ANKERITIC
- c CALCAREOUS
- g CLAY/GOUGE
- b BLEACHED
- m MANGANESE
- h HEMATITE
- l LIMONITE
- ph PHYLLITIC
- st SILTY
- cb CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dc(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damphi Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereclitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOslv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lECsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

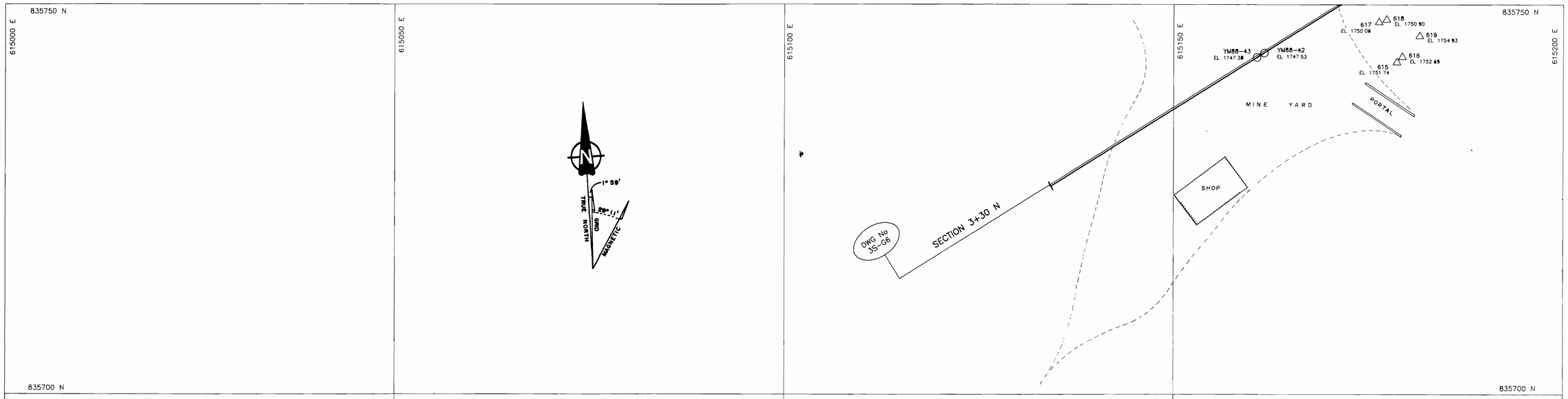
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE GEOLOGY PLAN

DATE DECEMBER 31, 1988	TECH BF & RH	DWG No	BP-G9
DRAWN BY INFOMAP SERVICES INC			

SEE DWG. No BP-G9



SEE DWG No BP-G7

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(f)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
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GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 36 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- — — GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
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- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dc(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
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- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
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LATE CAMBRIAN AND EARLY CAMBRIAN
- uECdslv Grey - buff calcareous phylite, thinly laminated
- uECb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE
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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

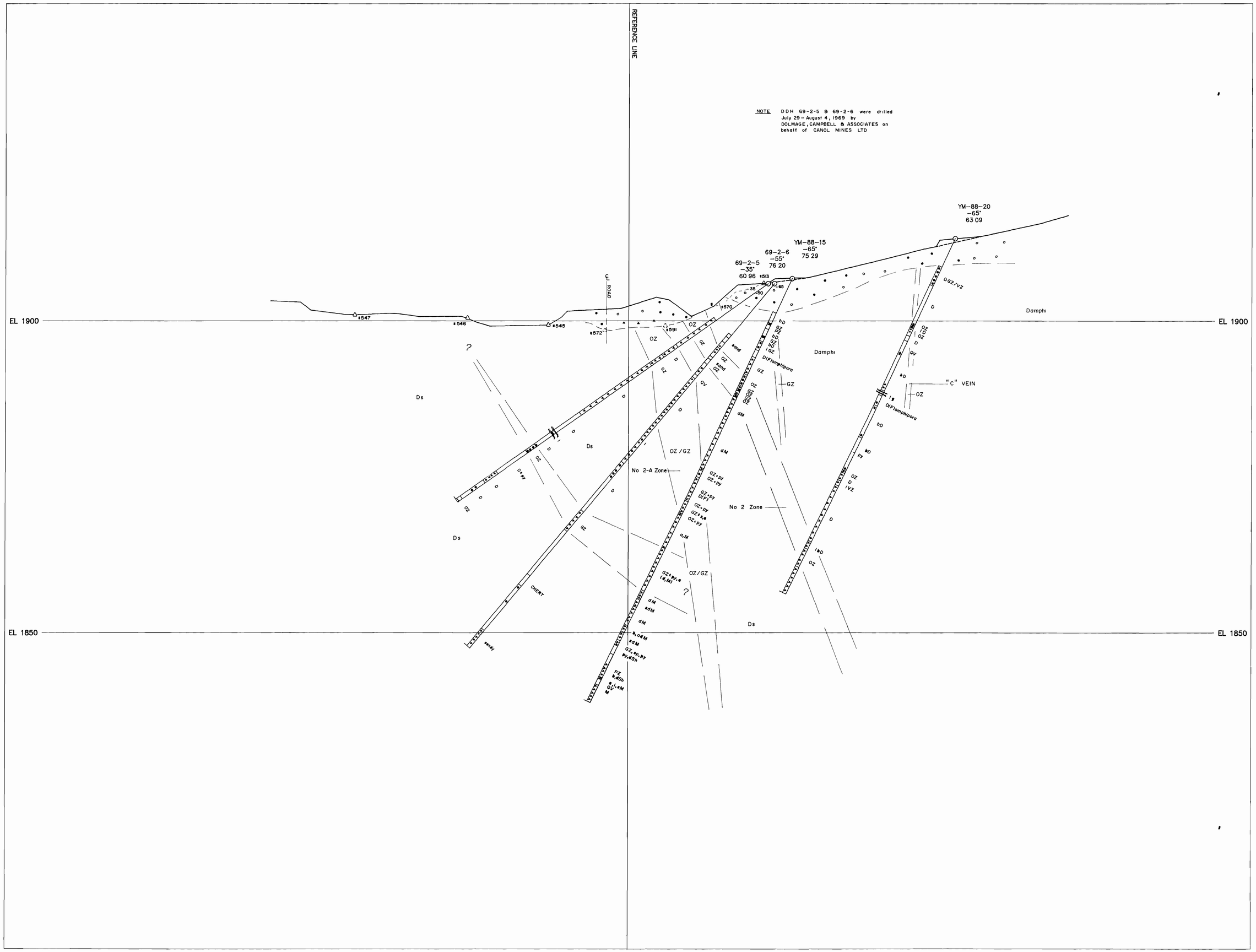
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG 132° 52' W, NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

SURFACE ASSAY PLAN

DATE DECEMBER 31, 1988 | TECH B.F. & R.H. | DWG No BP-G10
DRAWN BY INFOMAP SERVICES INC



TO ACCOMPANY REPORT BY B F FOWLER, P GEOL, DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
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MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

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GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 30 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

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- uEOcb Dark green mafic flow or sill

EARLY CAMBRIAN
- MEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE
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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

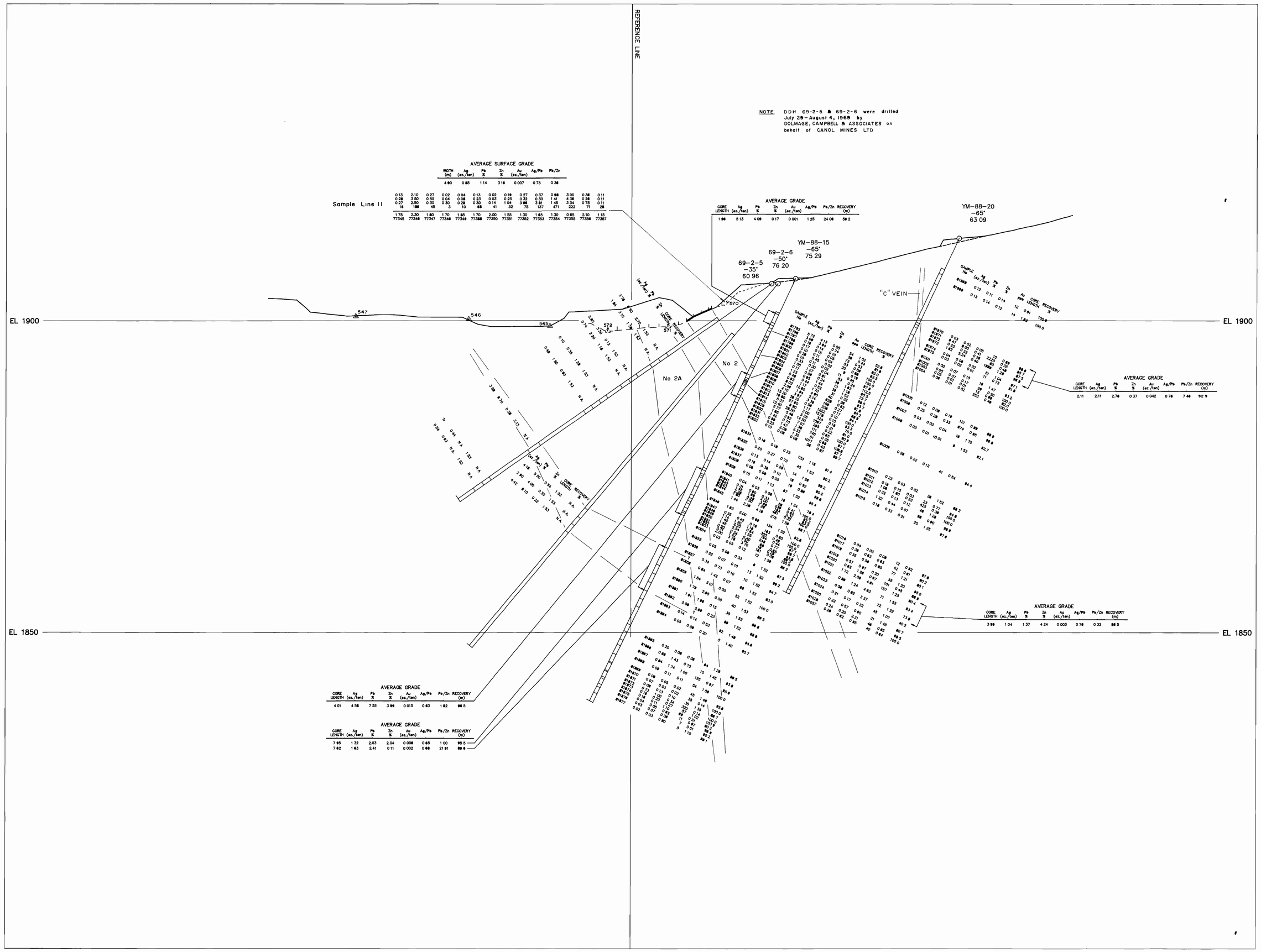
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 80 75 100 FEET

No. 2 ZONE
VERTICAL CROSS SECTION - 0+00 NW GEOLOGY
LOOKING N 52° W

DATE NOVEMBER 26, 1988 | TECH. B F | DWG No 25-61



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65 00 (LENGTH - metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz./ton) | Pb % | Zn % | Au (ppb) | CORE LENGTH | RECOVERY %

Cut (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

Tr Trace
N A Not available

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

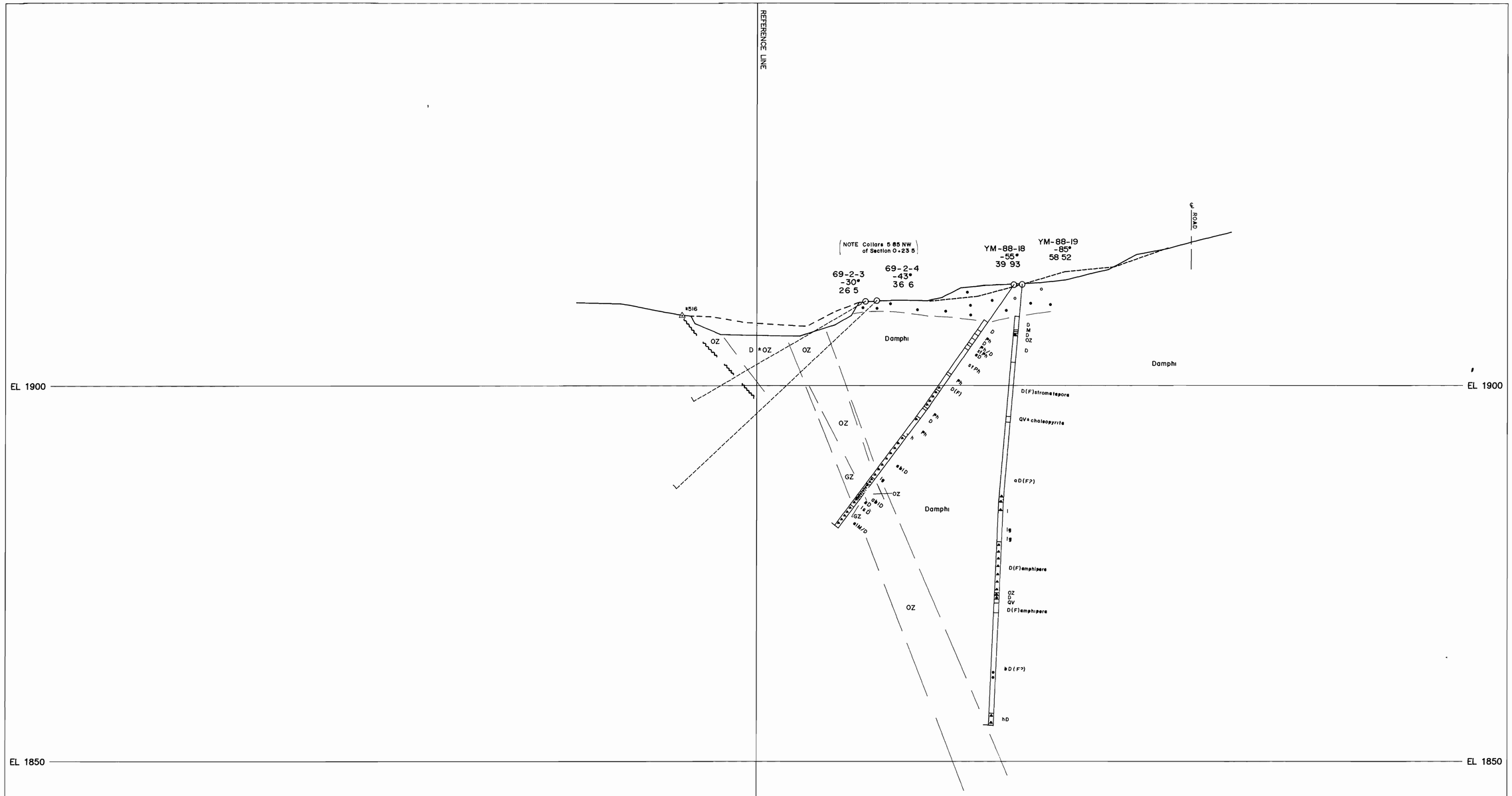
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 2 ZONE
VERTICAL CROSS SECTION - 0+00 NW ASSAY
LOOKING N 52° W

DATE	DECEMBER 31, 1988	TECH.	B F & R H
DRAWN BY	WRIGHT, HILLYARD, PARRY, & FULLER	DWG. No	2S-A1



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scorodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/– massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35/ FOLIATION & ANGLE TO CORE AXIS
- 35/ BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT – OBSERVED, INFERRED

lam LAMINATED

STRATIGRAPHY

QUATERNARY
Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
Fine to medium grained syenite dyke

uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
Dc(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
Dcb Carbonaceous dolostone, black, fine grained minor phyllite
Damphi Amphipora +/– stromatoporoid dolostone
Dph Phyllitic dolostone with bands of silicified dolostone
Ds Silicified dolostone, fine grained, sericitic
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ORDOVICIAN AND SILURIAN
OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
uEOslv Grey – buff calcareous phyllite, thinly laminated
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EARLY CAMBRIAN
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(modified after Templeman-Kluit, 1977)

NOTE.
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

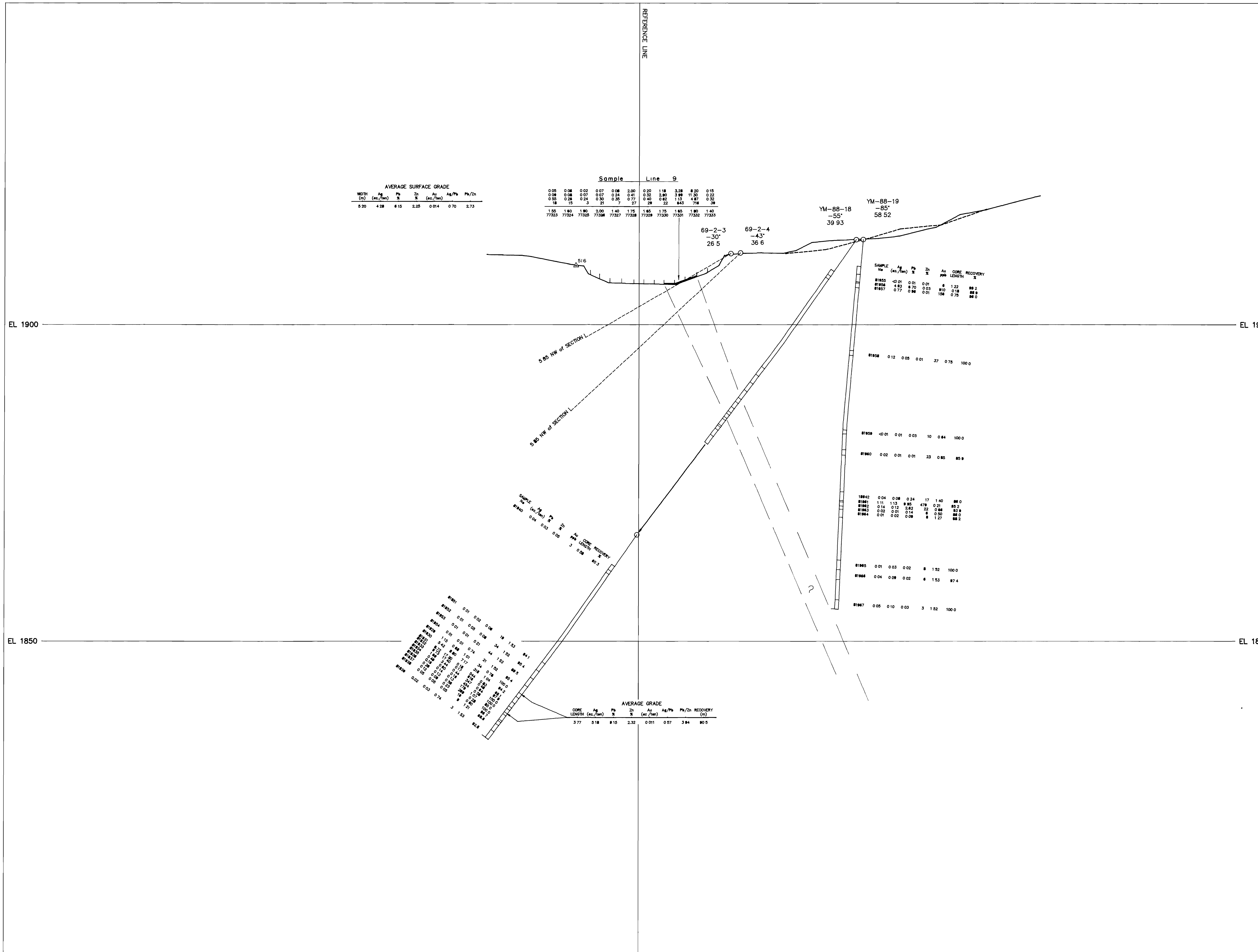
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 2 ZONE
VERTICAL CROSS SECTION – 0+23.5 NW GEOLOGY
LOOKING N 52° W

DATE. NOVEMBER 26, 1988 | TECH. B.F | DWG No 2S-G2
DRAWN BY POLARIS CONSULTING J.B



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No)
-60° (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE: SAMPLE No, Ag (oz./ton), Pb %, Zn %, Cd (ppm) Where Applicable, Au ppb, CORE LENGTH, RECOVERY %

AVERAGE GRADE

HORIZ. WIDTH	Ag (oz./ton)	Pb %	Zn %	Au (oz./ton)	Ag/Pb	Pb/Zn	RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz /ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
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YUKON MINERALS – PERREX J.V.

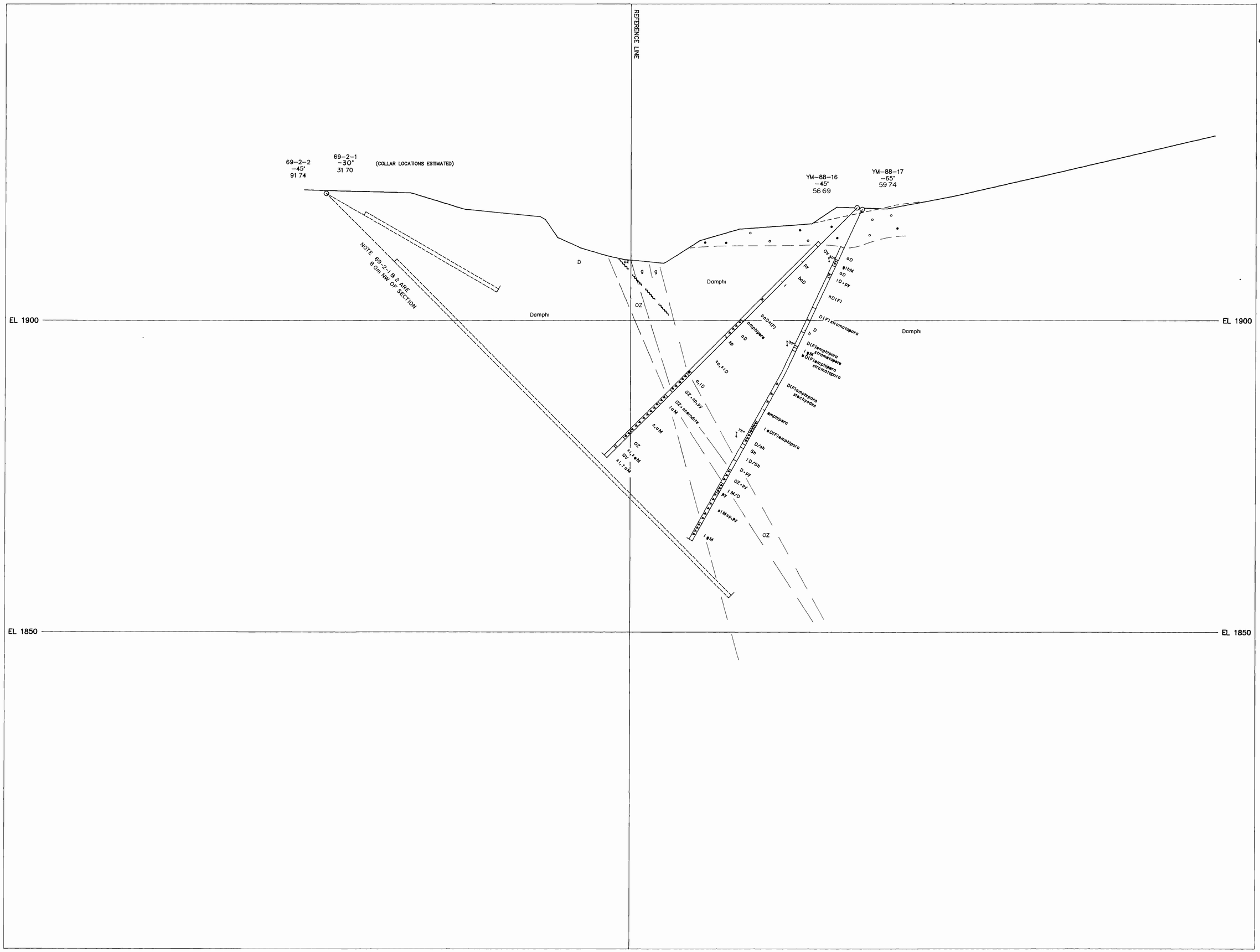
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250 — METRES 0 1 2 3 4 5 10 15 20 25 30 METRES; FEET 0 5 10 15 20 25 50 75 100 FEET

No. 2 ZONE
VERTICAL CROSS SECTION – 0+23.5 NW ASSAY
LOOKING N 52° W

DATE DECEMBER 31, 1988 | TECH. BF & RH | DWG No 2S-A2
DRAWN BY WRIGHT, HILLYARD, PARRY, & FULLER



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL , DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

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MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
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PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
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- uDMs Black shale, chert grit, and chert conglomerate

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- Dc(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
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(modified after Templeman–Kluit, 1977)

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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

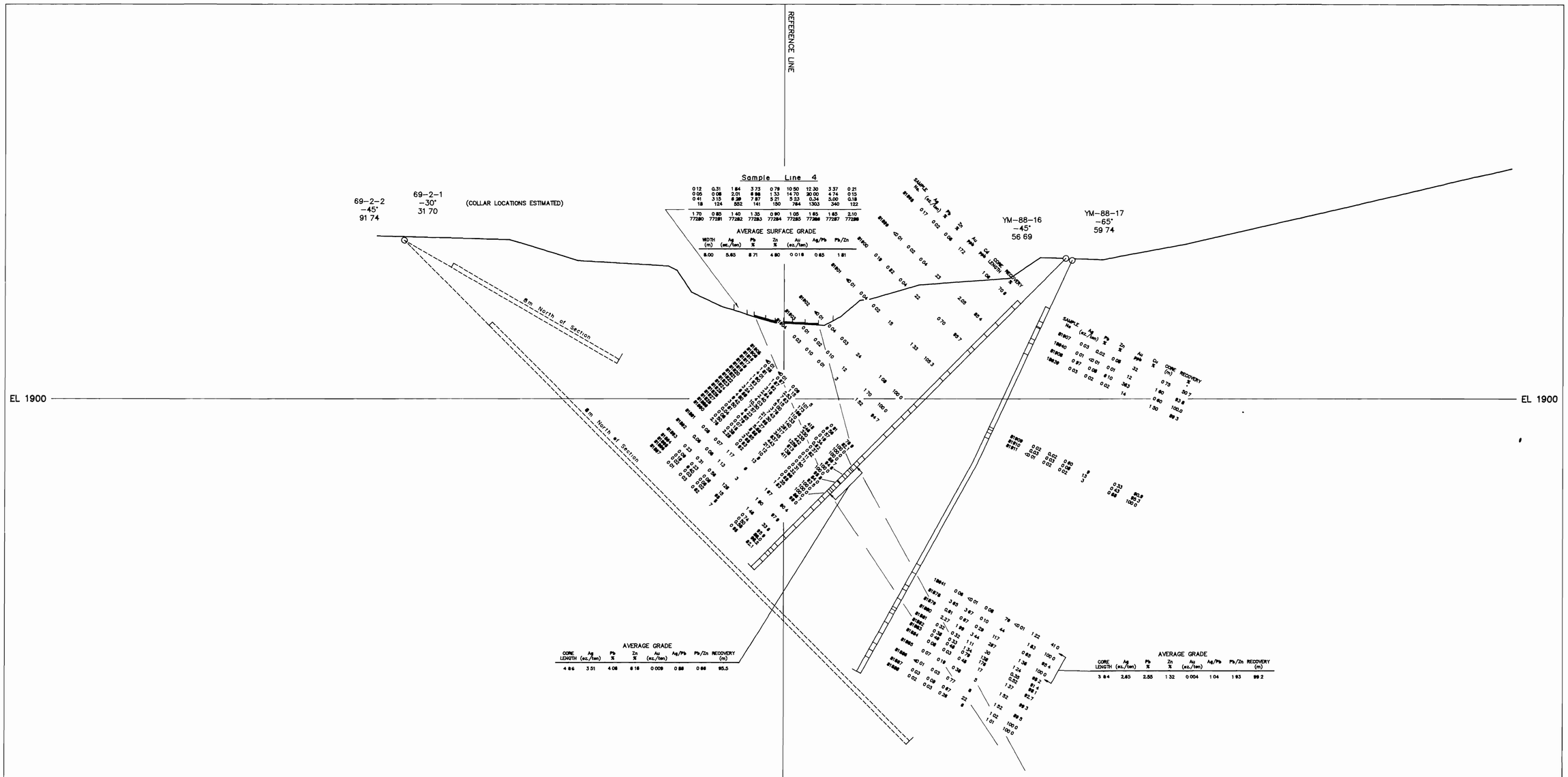
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 2 ZONE
VERTICAL CROSS SECTION – 0+48.6 NW GEOLOGY
LOOKING N 52° W

DATE: NOVEMBER 26, 1988 | TECH. BF | DWG No 2S-G3

DRAWN BY POLARIS CONSULTING , J B



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-80 (INCLINATION)
65.00 (LENGTH - metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz./ton) | Pb % | Zn % | Au ppb | Cd (ppm) Where Applicable | CORE LENGTH | RECOVERY %

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

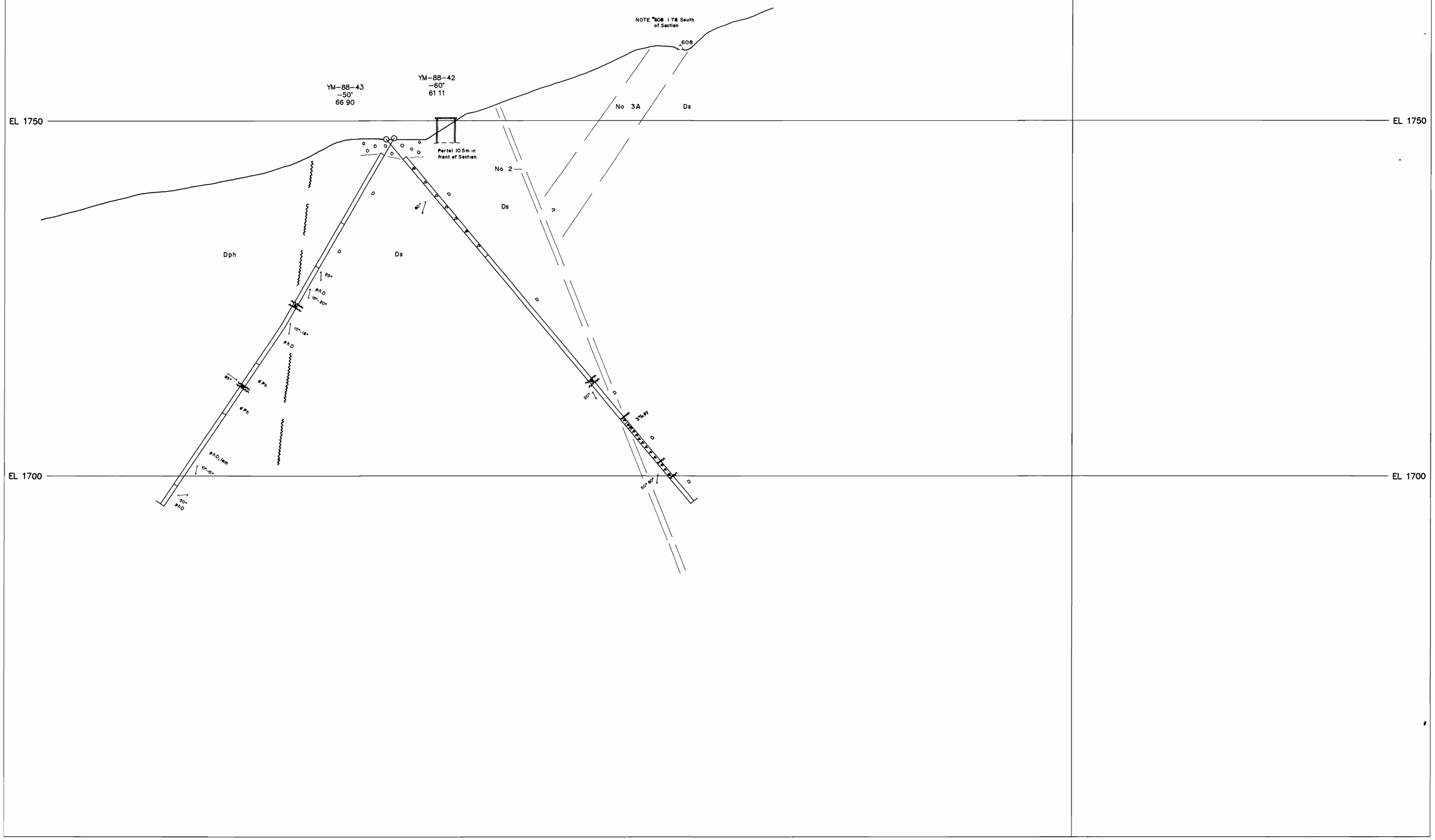
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 2 ZONE
VERTICAL CROSS SECTION – 0+48.6 NW ASSAY
LOOKING N 52° W

DATE DECEMBER 31, 1988	TECH. B.F. & R.H.	DWG No 25-A3
DRAWN BY WRIGHT, HILLYARD, PARRY, & FULLER		

OFFSET REFERENCE LINE (200m WEST OF TRUE REFERENCE LINE)



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- acanthite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- — — GEOLOGICAL CONTACT - OBSERVED, INFERRED

lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- D(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Demph Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereictic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOslv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

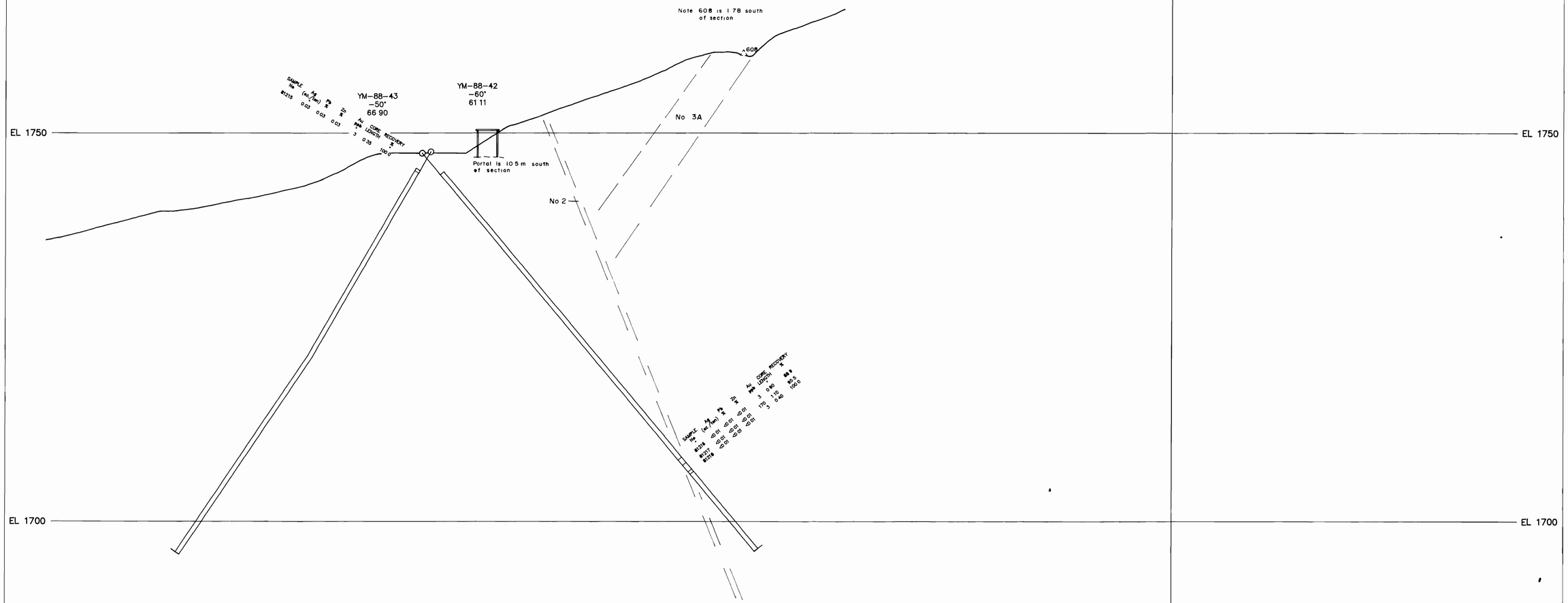
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No 2 & No 3 ZONE
VERTICAL CROSS SECTION - 3+30 N GEOLOGY
LOOKING N 32° W

DATE: NOVEMBER 26, 1988 | TECH: BF
DRAWN BY POLARIS CONSULTING, JB
DWG No 3S-G6

OFFSET REFERENCE LINE (200m WEST OF TRUE REFERENCE LINE)



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

DRILL HOLE DATA

YM–88–5 (DRILL HOLE No.)
–60° (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz /ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

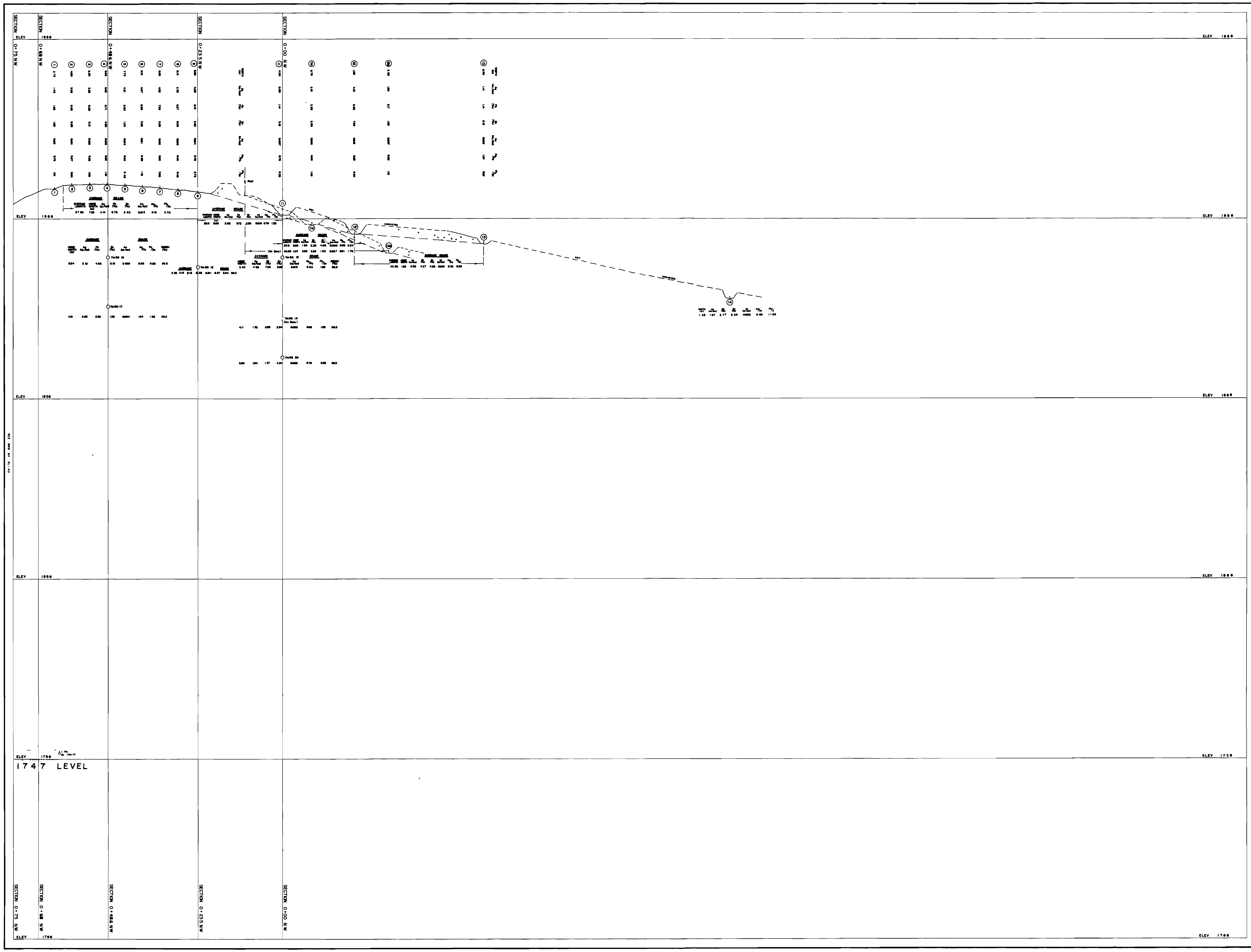
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No 2 & No 3 ZONE
VERTICAL CROSS SECTION – 3+30 N ASSAY
LOOKING N 32° W

DATE: DECEMBER 31, 1988	TECH. B F & R H	DWG. No 3S-A6
DRAWN BY WRIGHT, HILLYARD, PARRY, & FULLER		



REVISIONS

LEGEND

LITHOLOGY

Ct CHERT
D DOLOSTONE
M MUDSTONE
Sh SHALE
Ph PHYLLITE
St SILTSTONE
Qz QUARTZITE/ARENITE
C CONGLOMERATE
A ANDESITE
S SYENITE

MINOR COMPONENTS

d DOLOMITIC
(F) FOSSILIFEROUS
s SILICIFIED
a ANKERITIC
c CALCAREOUS
g CLAY/GOUGE
b BLEACHED
m MANGANESE
h HEMATITE
l LIMONITE
ph PHYLLITIC
st SILTY
cb CARBONACEOUS

MINERALIZATION

▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT FRACTURE FILLING
■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, slotted, galena +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE gouge/breccia zone with >30% limonite matrix +/- massive slotted galena; sphalerite, pyrite
GZ GALENA ZONE >1% slotted, disseminated galena +/- sphalerite; <30% limonite
SZ SPHALERITE ZONE, >1% slotted, disseminated sphalerite +/- galena; <30% limonite
PZ PYRITE ZONE massive, slotted pyrite
QV QUARTZ VEIN (no visible sulfides)

STRUCTURE

△ BRECCIA
FAULT WITH SENSE OF DISPLACEMENT DOWN BLOCK
FAULT WITH DIP & DIP DIRECTION
FOLIATION & ANGLE TO CORE AXIS
BEDDING & ANGLE TO CORE AXIS
JOINTING
— - GEOLOGICAL CONTACT - OBSERVED INFERRED
lam LAMINATED

STRATIGRAPHY

QUATERNARY
Overburden glacial drift
CRETACEOUS AND (?) EARLY TERTIARY
A Dark green fine grained mafic dyke
LATE DEVONIAN AND MISSIPPIAN
S Fine to medium grained syenite dyke
uDMs Black shale, chert grit, and chert conglomerate
SILURIAN EARLY AND MIDDLE DEVONIAN
Ds(Qz+Ph) Silicified dolostone with bands of black quartzite grey quartzite & cross bedded siltstone or phyllite
Dcb Carbonaceous dolostone, black, fine grained minor phyllite
Damphi Amphipora +/- stromatoporoid dolostone
Dph Phyllitic dolostone with bands of silicified dolostone
Ds Silicified dolostone, fine grained, sericitic
D Dolostone massive medium grained
ORDOVICIAN AND SILURIAN
OSsl Black, graptolitic shale, minor chert
LATE CAMBRIAN AND EARLY CAMBRIAN
uЄOslv Grey - buff calcareous phyllite, thinly laminated
uЄOb Dark green mafic flow or sill
EARLY CAMBRIAN
lЄcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
66.00 (LENGTH - metres)

ASSAY SEQUENCE

AVERAGE GRADE

NOTE.
Elevations are Geodetic.
All distances and elevations are in metres unless noted

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No

REFERENCE

In front of section
Behind section
△ Control Station

TO ACCOMPANY REPORT BY B P FOWLER P GEOL DATED DECEMBER 31 1988

YUKON MINERALS – PERREX J.V

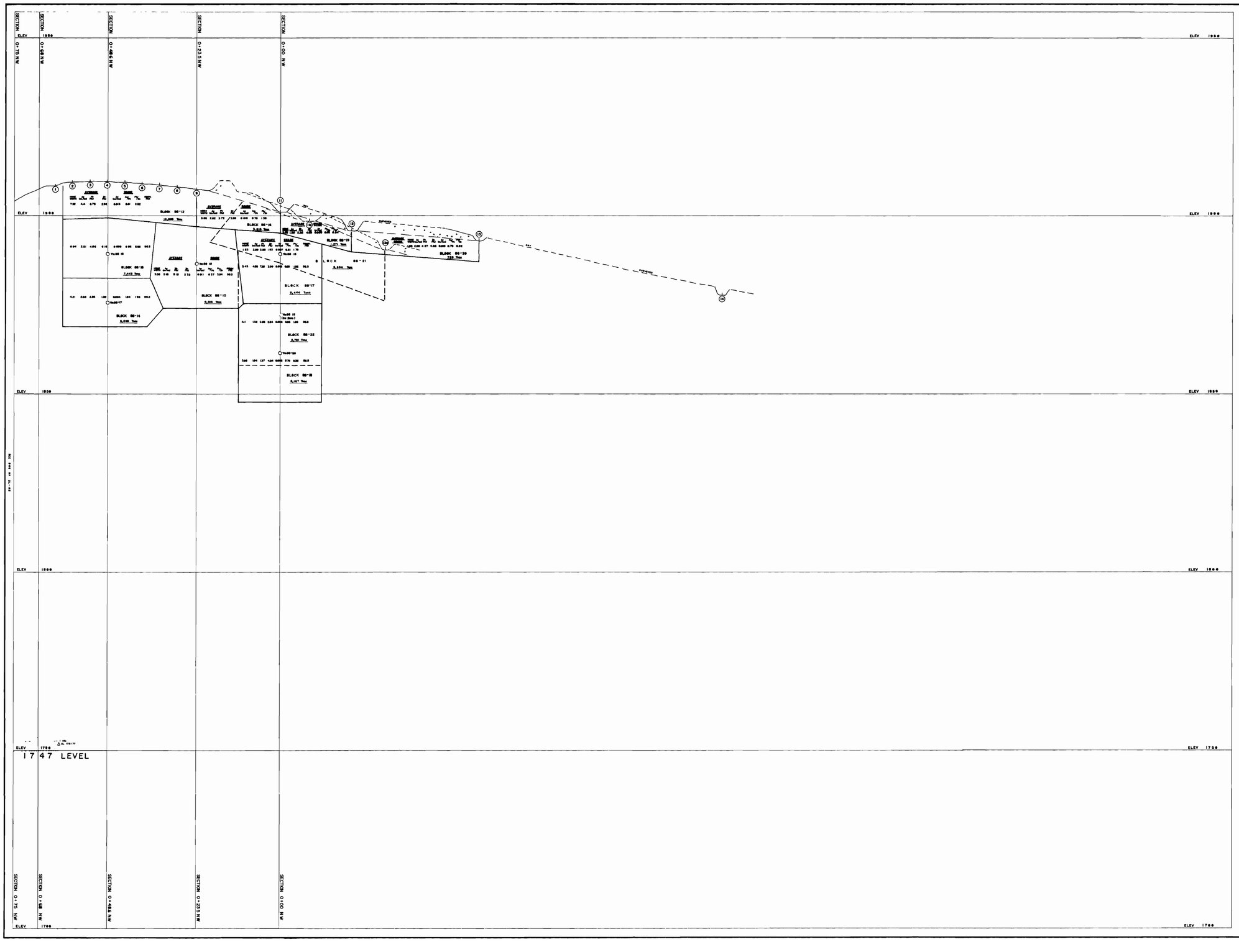
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N, LONG 132° 52' W, NTS 105 F/10

Scale 1:500

No 2 ZONE
ASSAY LONGITUDINAL SECTION
LOOKING N 38° E

DATE NOVEMBER 29, 1988 | TECH. B F | DWG No. 2L-A1
DRAWN BY POLARIS CONSULTING, JT



REVISIONS

LEGEND

LITHOLOGY

Ch	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Sq	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	STENITE

MINOR COMPONENTS

d	DOLOMITIC
(f)	FOSSILIFEROUS
i	SILICIFIED
a	ARGENTIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
pl	SILTY
ab	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE, REPLACEMENT FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
PY PYRITE
VC VEIN ZONE, massive, slatted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- arsenite +/- malachite +/- azurite +/- quartz/fran carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with 100% limonite matrix +/- massive slatted galena, sphalerite, pyrite
SZ GALENA ZONE, >1% slatted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% slatted, disseminated sphalerite +/- galena <30% limonite
PZ PYRITE ZONE, massive, slatted pyrite
QV QUARTZ VEIN (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT – OBSERVED INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- Black shale, chert grit and chert conglomerate

SILURIAN EARLY AND MIDDLE DEVONIAN
- Silicified dolostone with bands of black quartzite, gray quartzite & green bedded siltstone or phyllite
- Carbonaceous dolostone, black, fine grained minor phyllite
- Amphibpore +/- stromatoporoid dolostone
- Phyllitic dolostone with bands of silicified dolostone
- Silicified dolostone, fine grained, aerenitic
- Dolostone, massive, medium grained

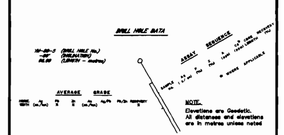
ORDOVICIAN AND SILURIAN
- Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- Gray – buff calcareous phyllite; thinly laminated
- Dark green mafic flow or sill

EARLY CAMBRIAN
- Gray calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

DRILL HOLE DATA



CHANNEL SAMPLE DATA

Pb (oz/ton)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

REFERENCE

- In front of section
- Behind section
- △ Central Station

TO ACCOMPANY REPORT BY R P FOWLER P ENG. DATED DECEMBER 31 1986

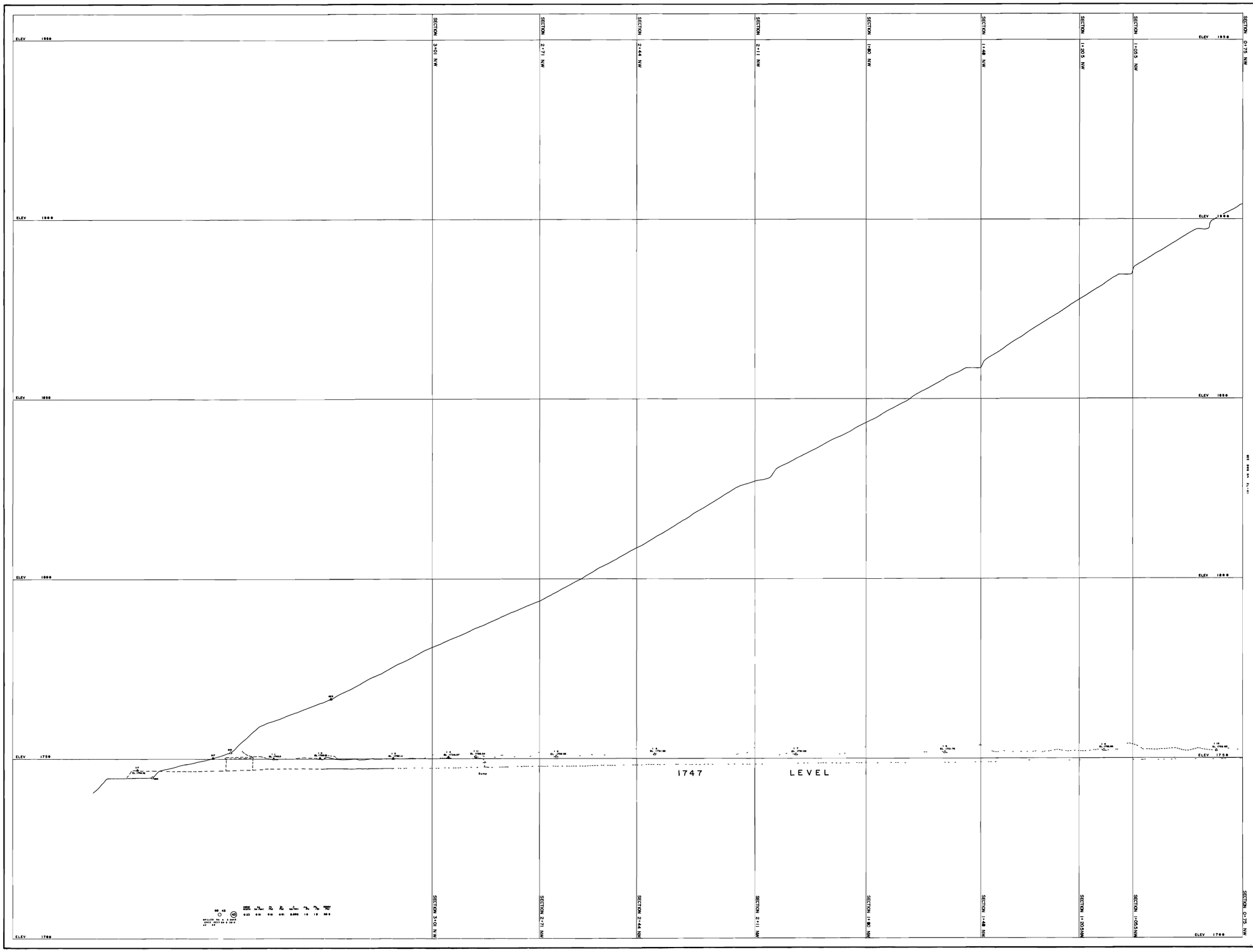
YUKON MINERALS – PERREX J V

KETZA PROJECT
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N, LONG. 139° 58' W, NTS 105 F/10

Scale 1:500

No. 2 ZONE
RESERVE LONGITUDINAL SECTION
LOOKING N 38° E

DATE NOVEMBER 29, 1985 | TECH. B F | DWG No. 2L-R1
DRAWN BY POLARIS CONSULTING J T



REVISIONS

LEGEND

LITHOLOGY

- ch CHERT
- ls LIMESTONE
- M MUDSTONE
- sh SHALE
- Ph PHYLLITE
- Si SILTSTONE
- Qz QUARTZITE/ARENITE
- c CONGLOMERATE
- A ANDESITE
- s SYENITE

MINOR COMPONENTS

- d DOLOMITIC
- (f) FOSSILIFEROUS
- s SILICIFIED
- a ANKERITIC
- c CALCAREOUS
- g CLAY/GOUGE
- b BLEACHED
- m MANGANESE
- l LIMONITE
- i ISMANITE
- ph PHYLLITIC
- st SILTY
- cb CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
Py PYRITE
VZ VEIN ZONE, massive stalled, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- arsenic +/- marcasite +/- arsenite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive stalled galena/ sphalerite pyrite
GZ GALENA ZONE, >1% stalled, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% stalled, disseminated sphalerite +/- galena <30% limonite
PZ PYRITE ZONE, massive stalled pyrite
QV QUARTZ VEIN (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN EARLY AND MIDDLE DEVONIAN
- SmDss+Ph Silicified dolostone with bands of black quartzite gray quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black fine grained minor phyllite
- Dampb Amphibore +/- stramatoporoid dolostone
- Dph Phyllitic silic dolostone with bands of silicified dolostone
- Ds Silicified dolostone fine grained, saccaltic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsi Black, graptolitic shale minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uCDsi Grey - buff calcareous phyllite, thinly laminated
- uCDs Dark green mafic flow or sill

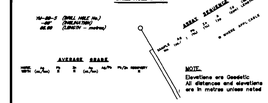
EARLY CAMBRIAN
- Kcal Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

REFERENCE

- In front of section
- Behind section
- ▲ Central Station

DRILL HOLE DATA



CHANNEL SAMPLE DATA

Ag (oz/ton)
Pb (%)
Zn (%)
Au (oz/t)

SAMPLE WIDTH (m)
SAMPLE No

TO ACCOMPANY REPORT BY R.F. FOWLER P.ENG. DATED DECEMBER 31 1988

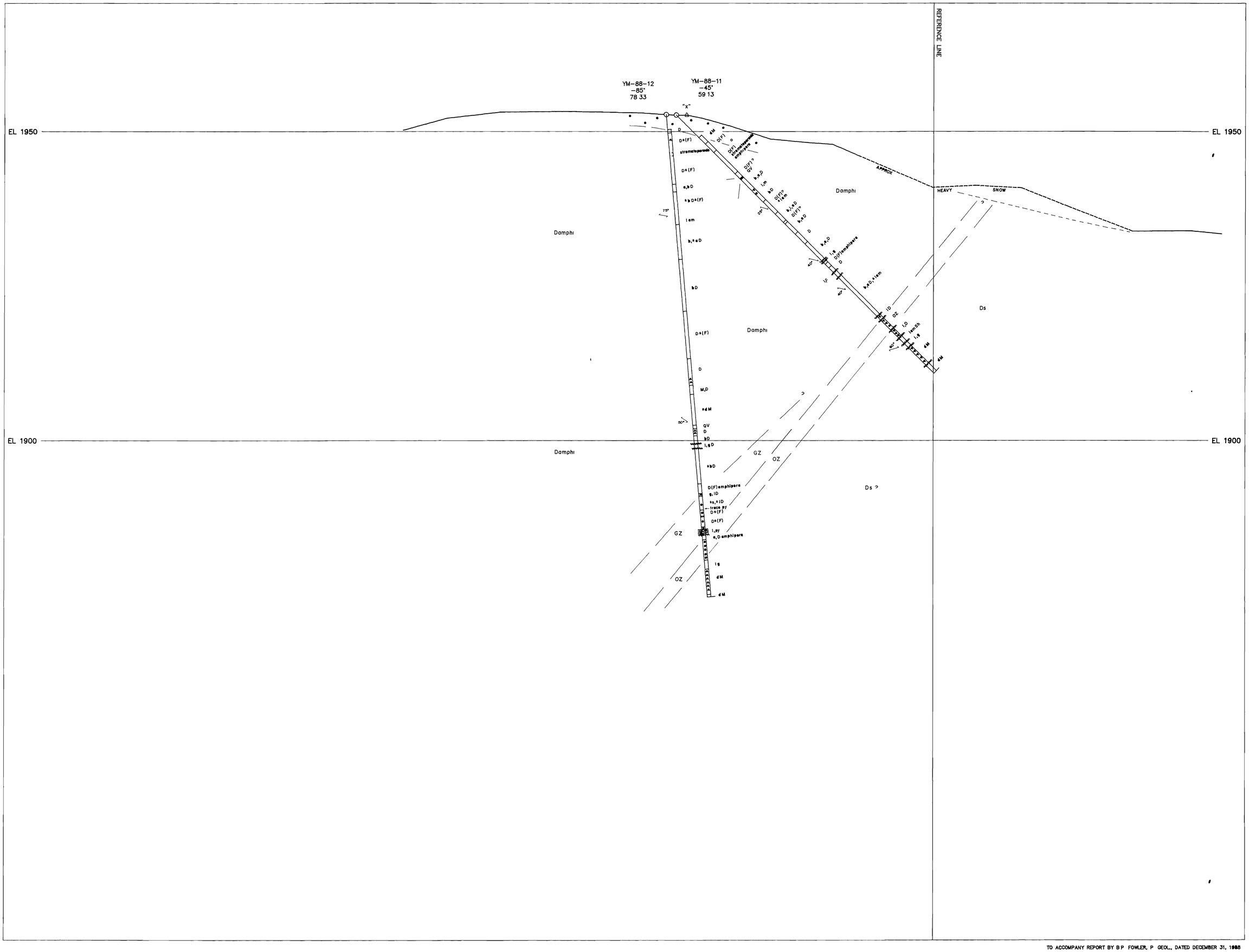
YUKON MINERALS - PERREX J.V.

KETZA PROJECT
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:500

No 2 ZONE
ASSAY LONGITUDINAL SECTION
LOOKING N 38° E

DATE NOVEMBER 29, 1988 | TECH. B F | DWG No. 2L - A2
DRAWN BY POLARIS CONSULTING J T



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gauge/breccia zone with >30% limonite matrix +/- massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena; <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35° FOLIATION & ANGLE TO CORE AXIS
- 30° BEDDING & ANGLE TO CORE AXIS
- JOINTING
- lam LAMINATED
- GEOLOGICAL CONTACT - OBSERVED, INFERRED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Ds(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carboneceous dolostone, black, fine grained minor phyllite
- Damphi Amphipore +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, greystoitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOmlv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcal Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

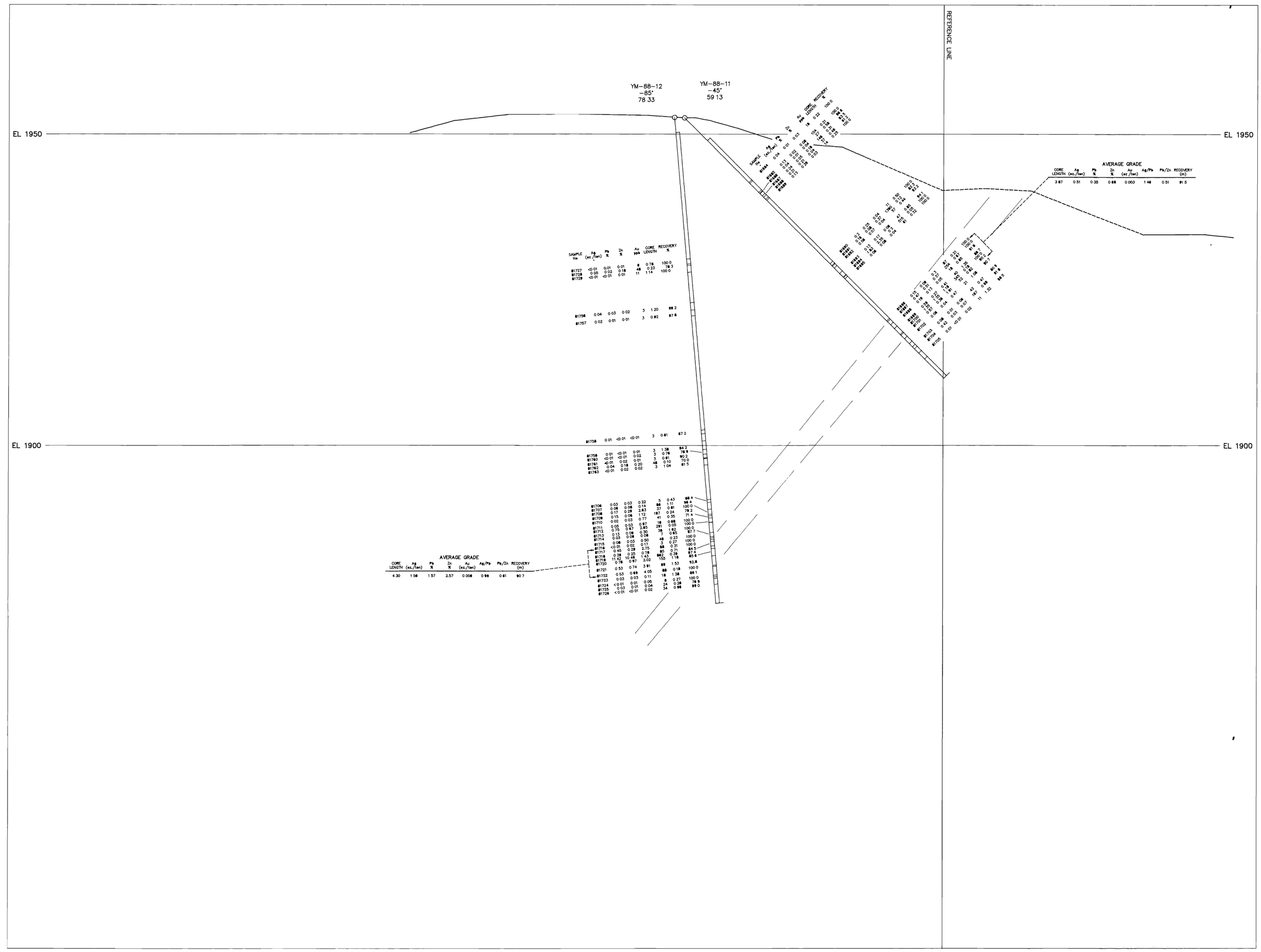
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE
VERTICAL CROSS SECTION - 0+30 N GEOLOGY
LOOKING N 20° W

DATE. NOVEMBER 26, 1988 | TECH.. B F | DWG. No 3S-G1

DRAWN BY POLARIS CONSULTING , J B



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-80° (INCLINATION)
65 00 (LENGTH - metres).

ASSAY SEQUENCE

SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Au ppb | CORE LENGTH | RECOVERY %
Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz /ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

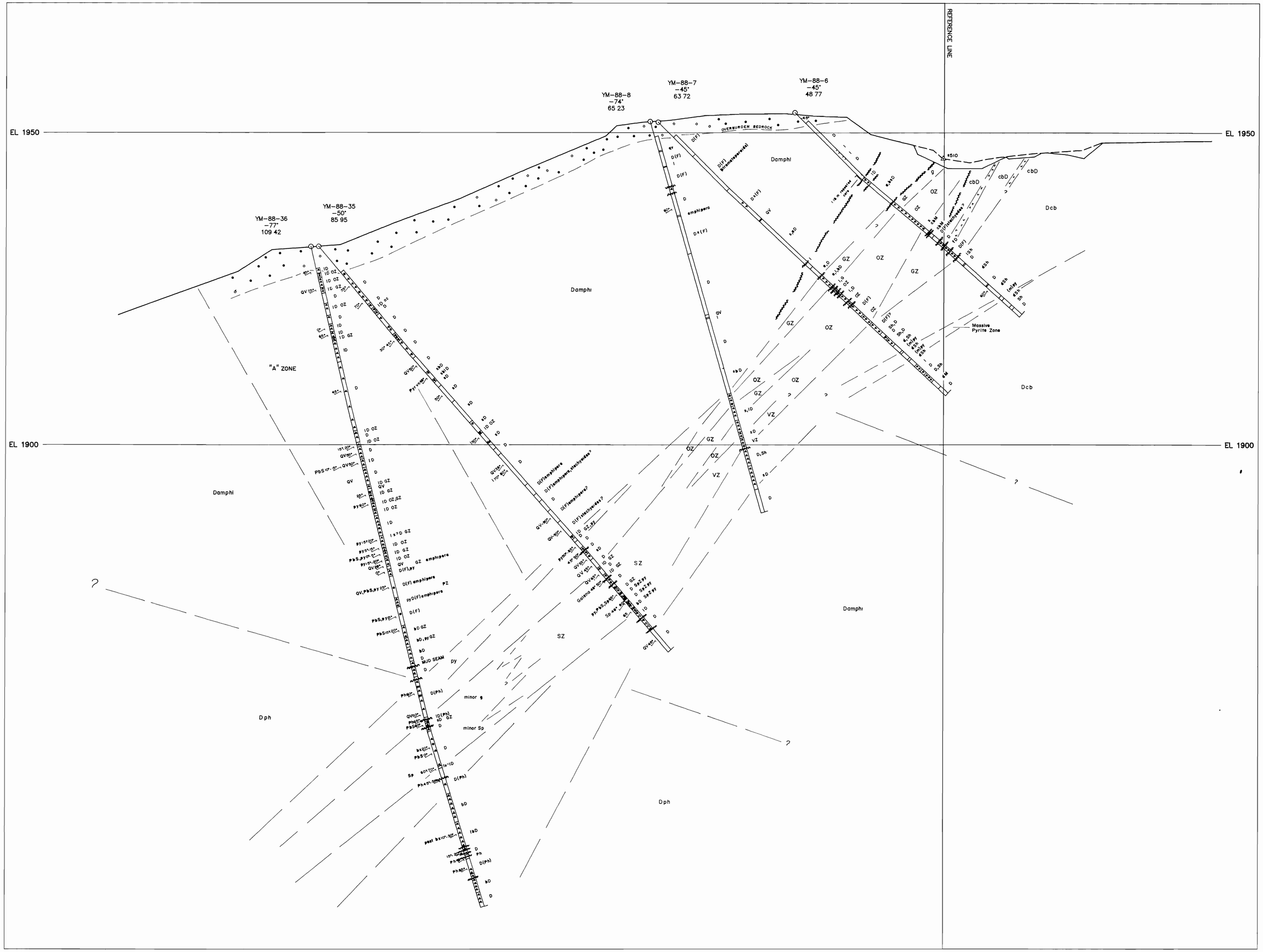
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE
VERTICAL CROSS SECTION – 0+30 N ASSAY
LOOKING N 20° W

DATE NOVEMBER 26, 1988 | TECH. BF & RH | DWG No 3S-A1
DRAWN BY WRIGHT, HILLYARD, PARRY, & FULLER



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- D(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbeneceous dolostone, black, fine grained minor phyllite

- Damphi Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSel Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOalv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

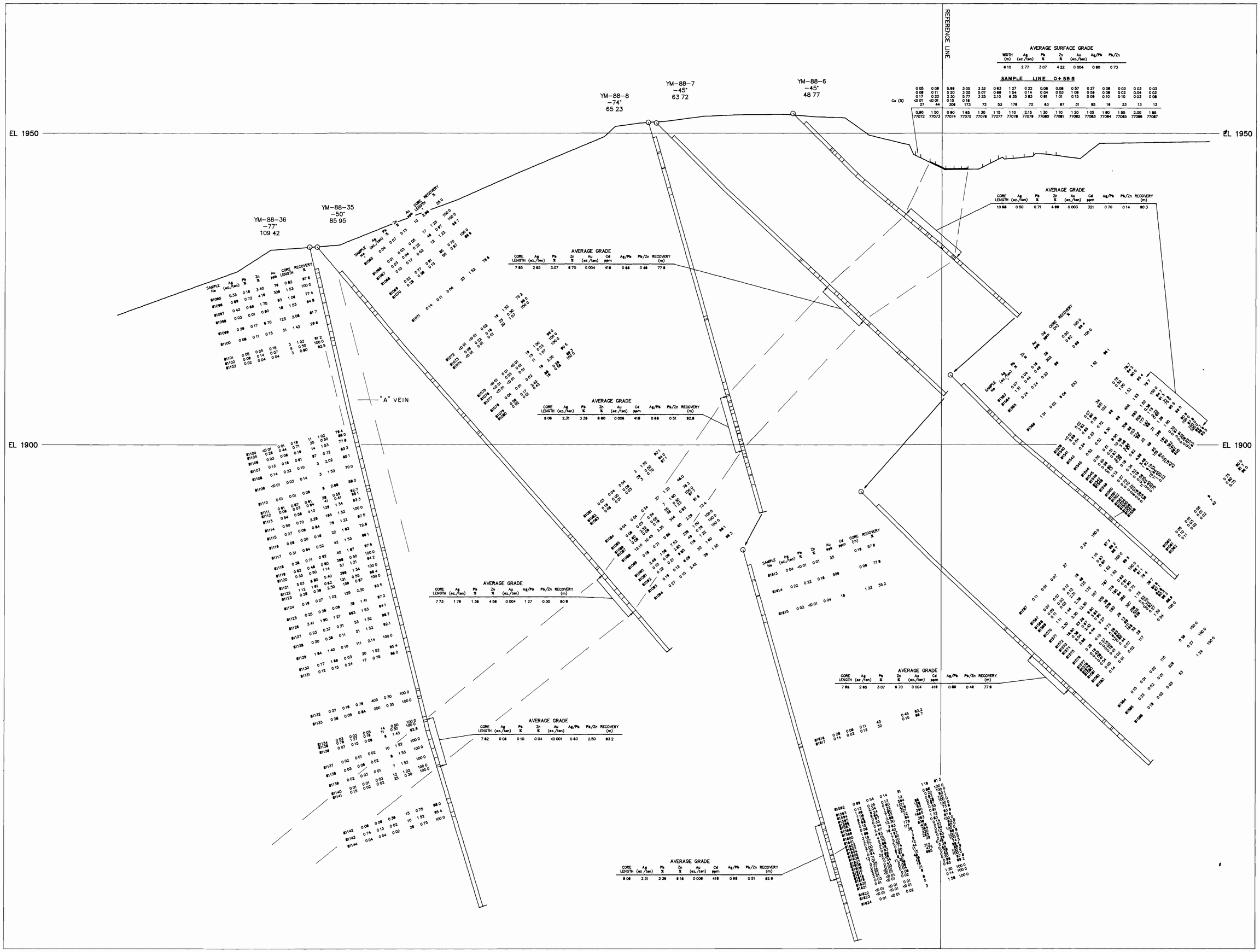
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE
VERTICAL CROSS SECTION - 0+58.5 N GEOLOGY
LOOKING N 20° W

DATE. NOVEMBER 26, 1988 | TECH. BF | DWG No 3S-G2

DRAWN BY POLARIS CONSULTING , J B



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 *(DRILL HOLE No.)*
-80° *(INCLINATION)*
65 00 *(LENGTH – metres)*

ASSAY SEQUENCE

SAMPLE No | Ag (oz./ton) | Pb % | Zn % | Au ppb | CORE LENGTH | CORE RECOVERY %

Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE..
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

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FEET 0 5 10 15 20 25 50 75 100 FEET

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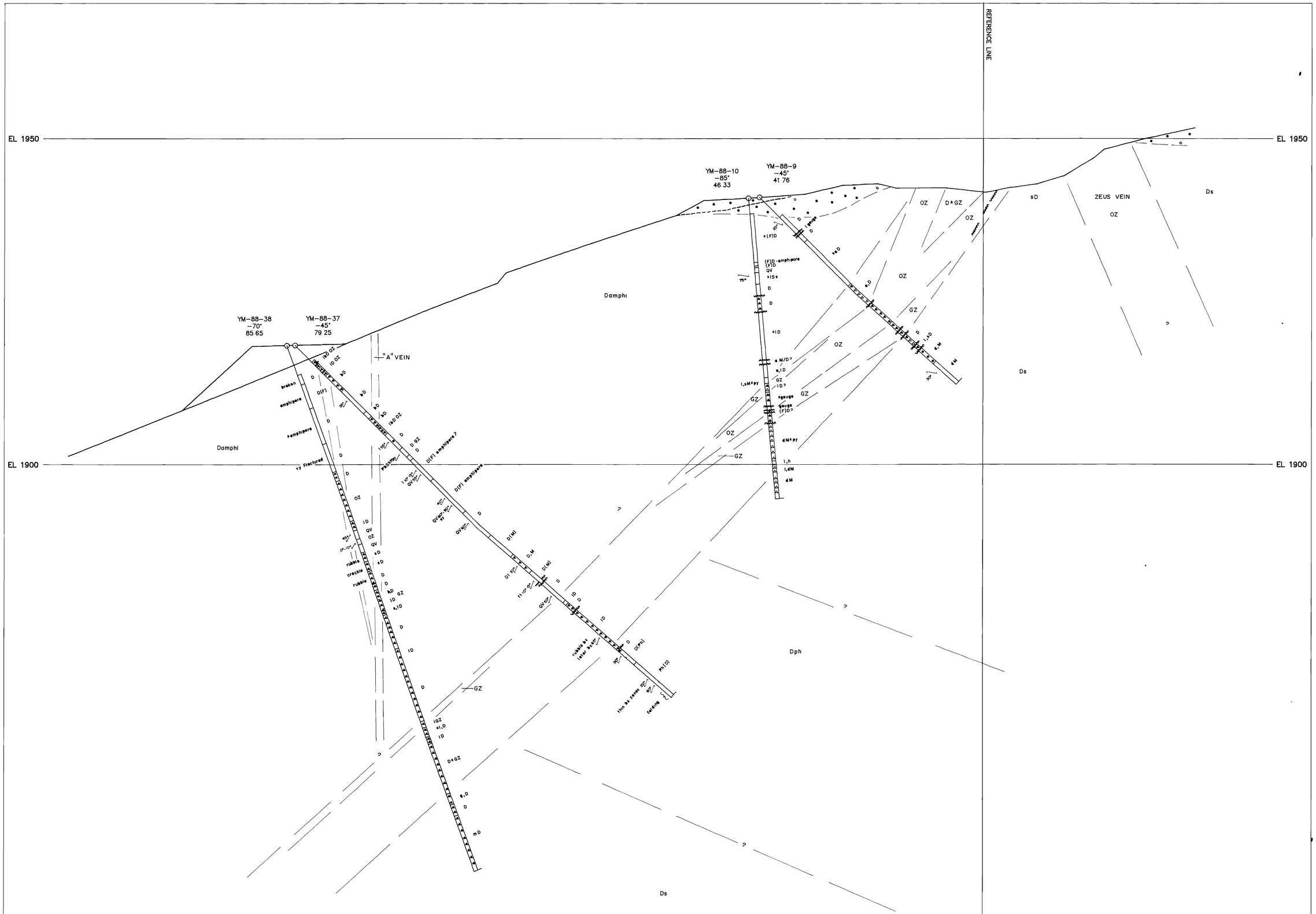
VERTICAL CROSS SECTION – 0+58.5 N ASSAY
LOOKING N 20° W

DATE. *DECEMBER 31, 1988* | TECH. *B F & R H* | DWG. No *3S-A2*
DRAWN BY *WRIGHT, HILLYARD, PARRY, & FULLER*



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite; <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena; <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- — — GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dc(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damphi Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereciticc
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSal Black, graptelitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOsiv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE.
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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

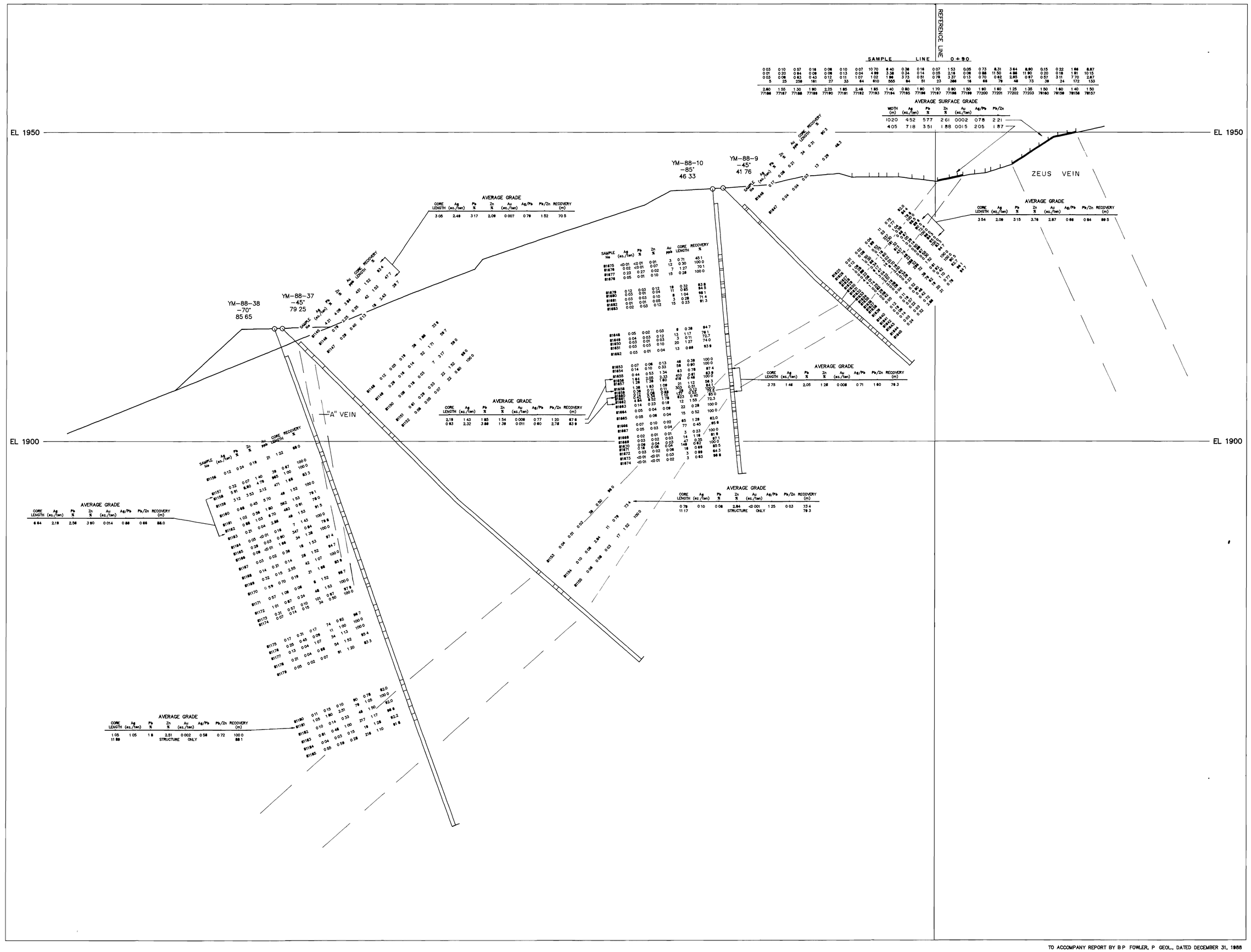
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE
VERTICAL CROSS SECTION - 0+90 N GEOLOGY
LOOKING N 20° W

DATE. NOVEMBER 26, 1988 | TECH. BF | DWG. No 3S-G3

DRAWN BY POLARIS CONSULTING, JB



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-80 (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE: SAMPLE No | Ag (oz/ton) | Pb % | Zn % | Au ppb | CORE LENGTH | RECOVERY %; Cd (ppm) Where Applicable

AVERAGE GRADE
HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA
Ag (oz /ton)
Pb (%)
Zn (%)
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

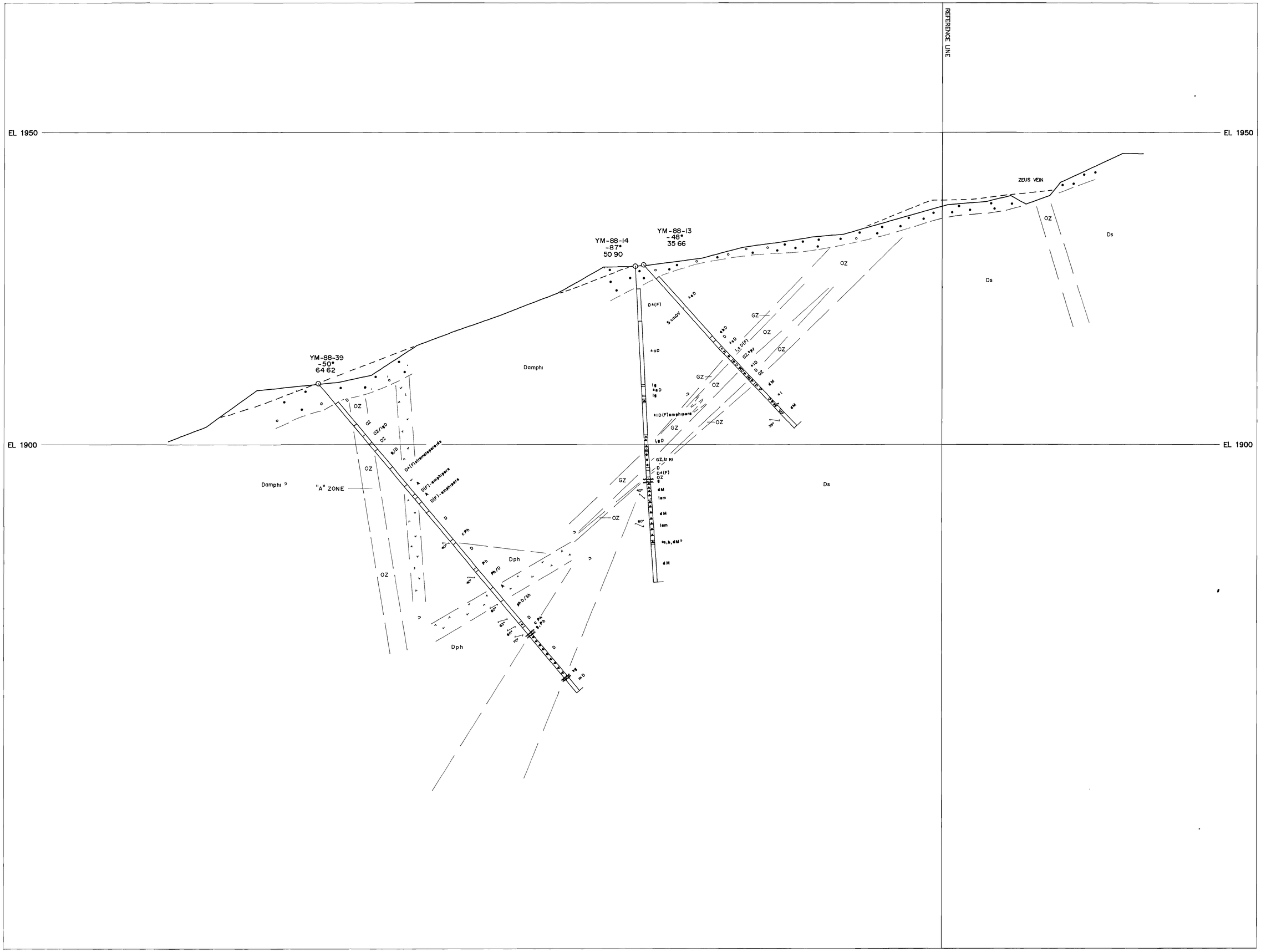
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE
VERTICAL CROSS SECTION – 0+90 N ASSAY
LOOKING N 20° W

DATE: DECEMBER 31, 1988 | TECH.: B.F. & R.H.
DRAWN BY: [redacted], HILLYARD, PARRY, & FULLER
DWG No. 3S-A3



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scorodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE, gauge/breccia zone with >30% limonite matrix +/– massive
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena; <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 30 FOLIATION & ANGLE TO CORE AXIS
- 30 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- DsI(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dsh Carbonaceous dolostone, black, fine grained minor phyllite
- Damphi Amphibole +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sucrosic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uCOslv Grey – buff calcareous phyllite; thinly laminated
- uCOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lCcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE.
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

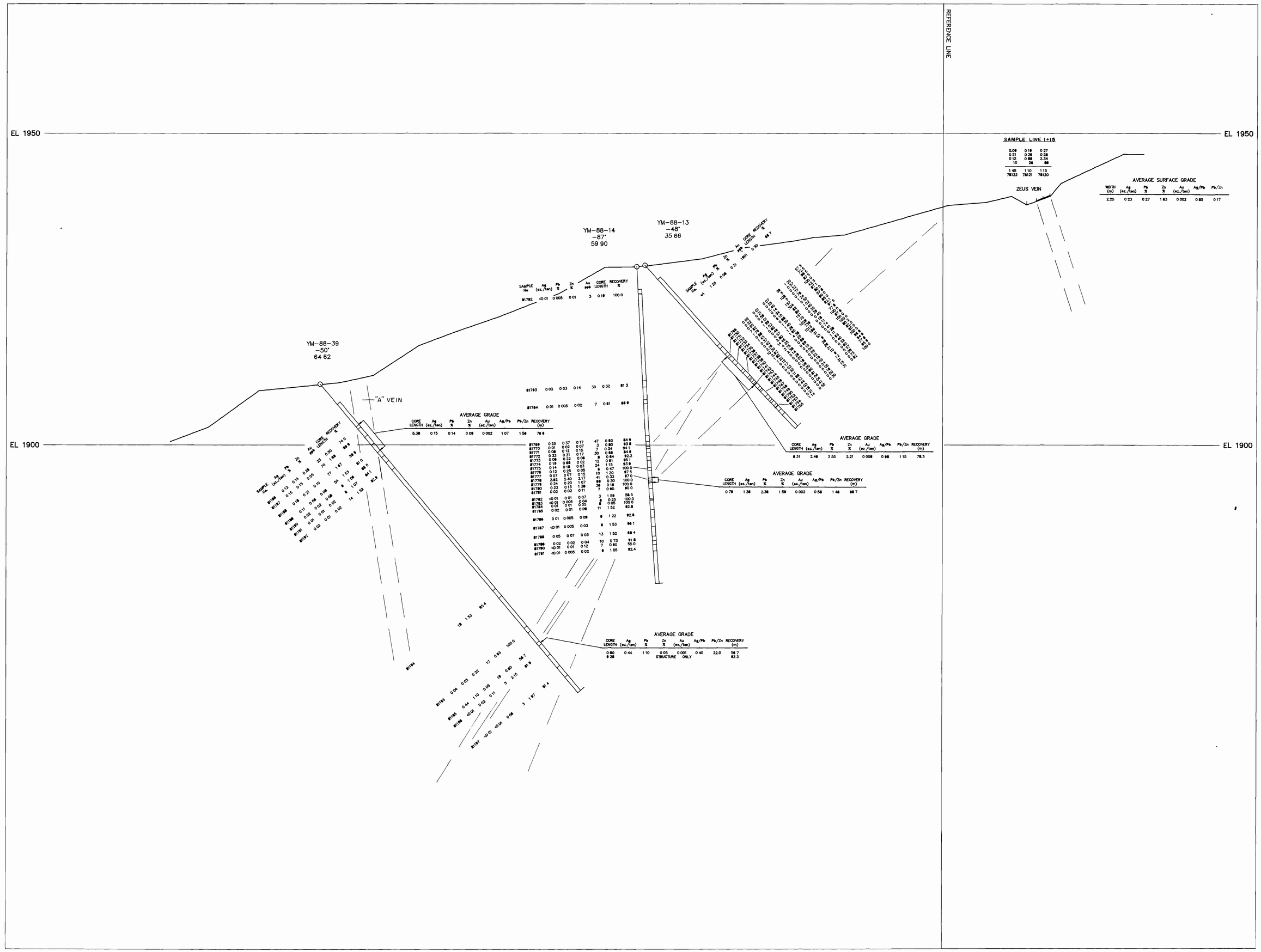
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE
VERTICAL CROSS SECTION – 1+14 N GEOLOGY
LOOKING N 20° W

DATE NOVEMBER 26, 1988 | TECH. B F. | DWG. No 3S-G4

DRAWN BY POLARIS CONSULTING , J B



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
85 00 (LENGTH - metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz./ton) | Pb % | Zn % | Au ppb | CORE LENGTH | CORE RECOVERY %

Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
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KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

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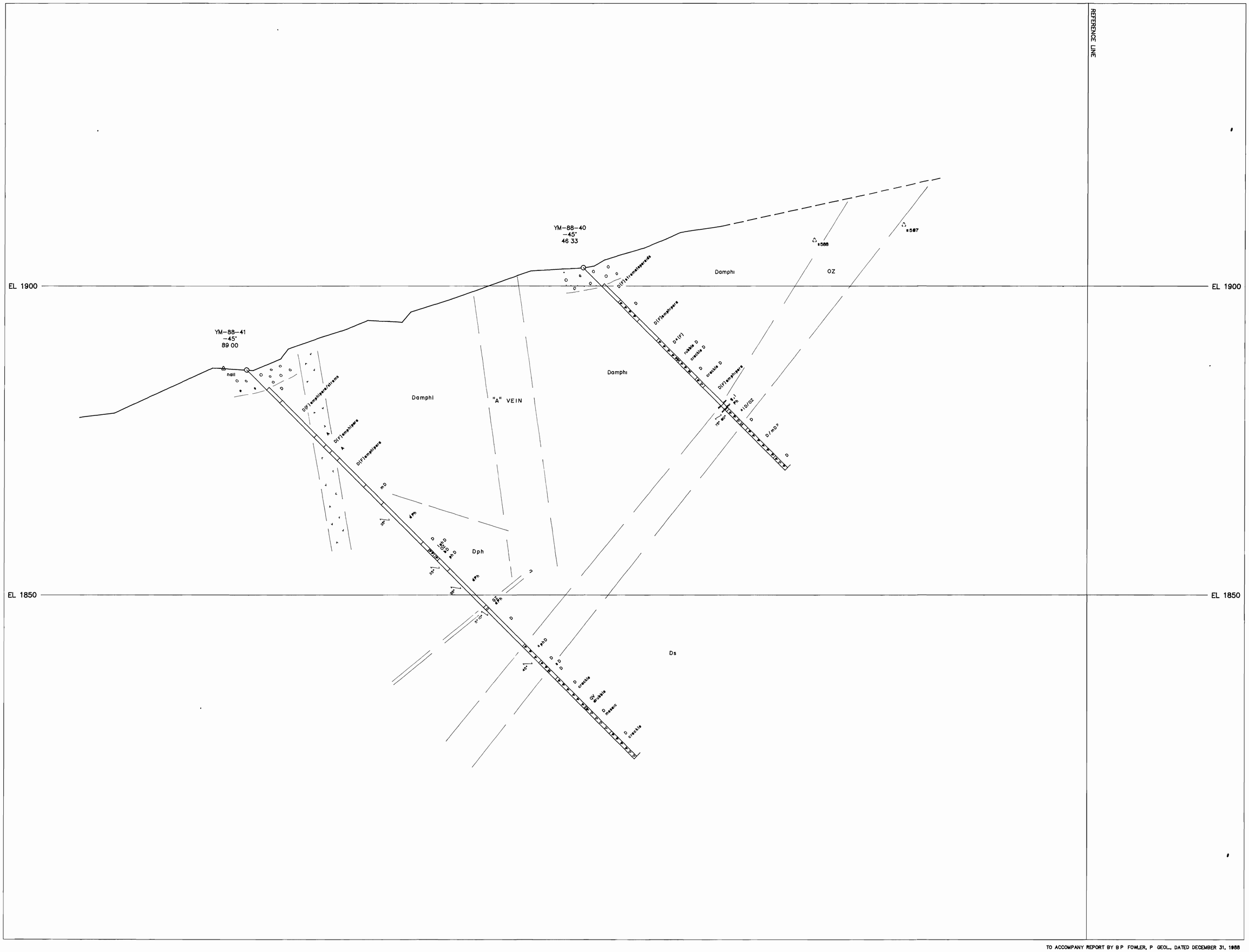
VERTICAL CROSS SECTION - 1+14 N ASSAY
LOOKING N 20° W

DATE DECEMBER 31, 1988 | TECH. B.F. & R.H. | DWG No 3S-A4
DRAWN BY WRIGHT, HILLYARD, PARRY, & FULLER



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

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D	DOLOSTONE
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MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

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QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
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- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damphi Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
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ORDOVICIAN AND SILURIAN
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LATE CAMBRIAN AND EARLY CAMBRIAN
- uEDslv Grey - buff calcareous phyllite, thinly laminated
- uEDcb Dark green mafic flow or sill

EARLY CAMBRIAN
- MEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE:
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YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 3 ZONE
VERTICAL CROSS SECTION - 1+61 N GEOLOGY
LOOKING N 32° W

DATE: NOVEMBER 26, 1988 | TECH. BF | DWG. No. 3S-G5
DRAWN BY POLARIS CONSULTING, JB

REFERENCE LINE

EL 1900

EL 1850

YM-88-40
-45°
46 33

YM-88-41
-45°
89 00

"A" VEIN

AVERAGE GRADE

CORE LENGTH	Ag (oz./ton)	Pb %	Zn %	Au (oz./ton)	Ag/Pb	Pb/Zn	RECOVERY (m)
5 17	0 29	0 47	0 27	0 001	0 62	1 74	98 6

AVERAGE GRADE

CORE LENGTH	Ag (oz./ton)	Pb %	Zn %	Au (oz./ton)	Ag/Pb	Pb/Zn	RECOVERY (m)
1 97 5 84	0 01	0 01	0 08 STRUCTURE	<0 001 ONLY	1 00	0 12	88 8 83 8

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz./ton) | Pb % | Zn % | Au (ppb) | CORE LENGTH (m) | RECOVERY %

Cut (ppb) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
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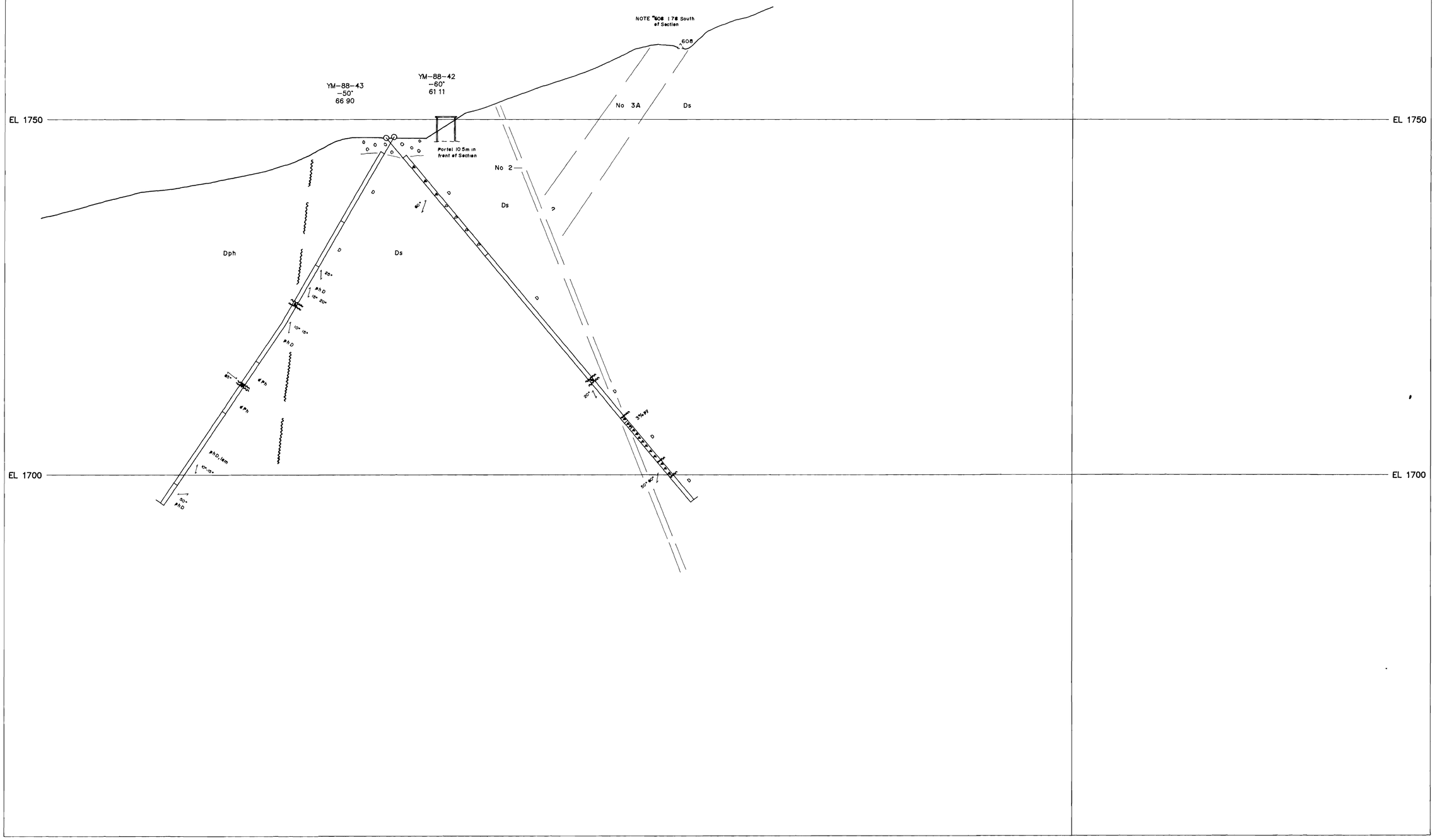
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 80 75 100 FEET

No. 3 ZONE
VERTICAL CROSS SECTION – 1+61 N ASSAY
LOOKING N 32° W

DATE NOVEMBER 26, 1988 | TECH. BF & RH | DWG No 3S-A5
DRAWN BY: WRIGHT, HILLYARD, PARRY, & FULLER

OFFSET REFERENCE LINE (200m WEST OF TRUE REFERENCE LINE)



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Da(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Demphl Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereciticc
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSst Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEDslv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lCcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W, NTS 105 F/10

Scale 1 250

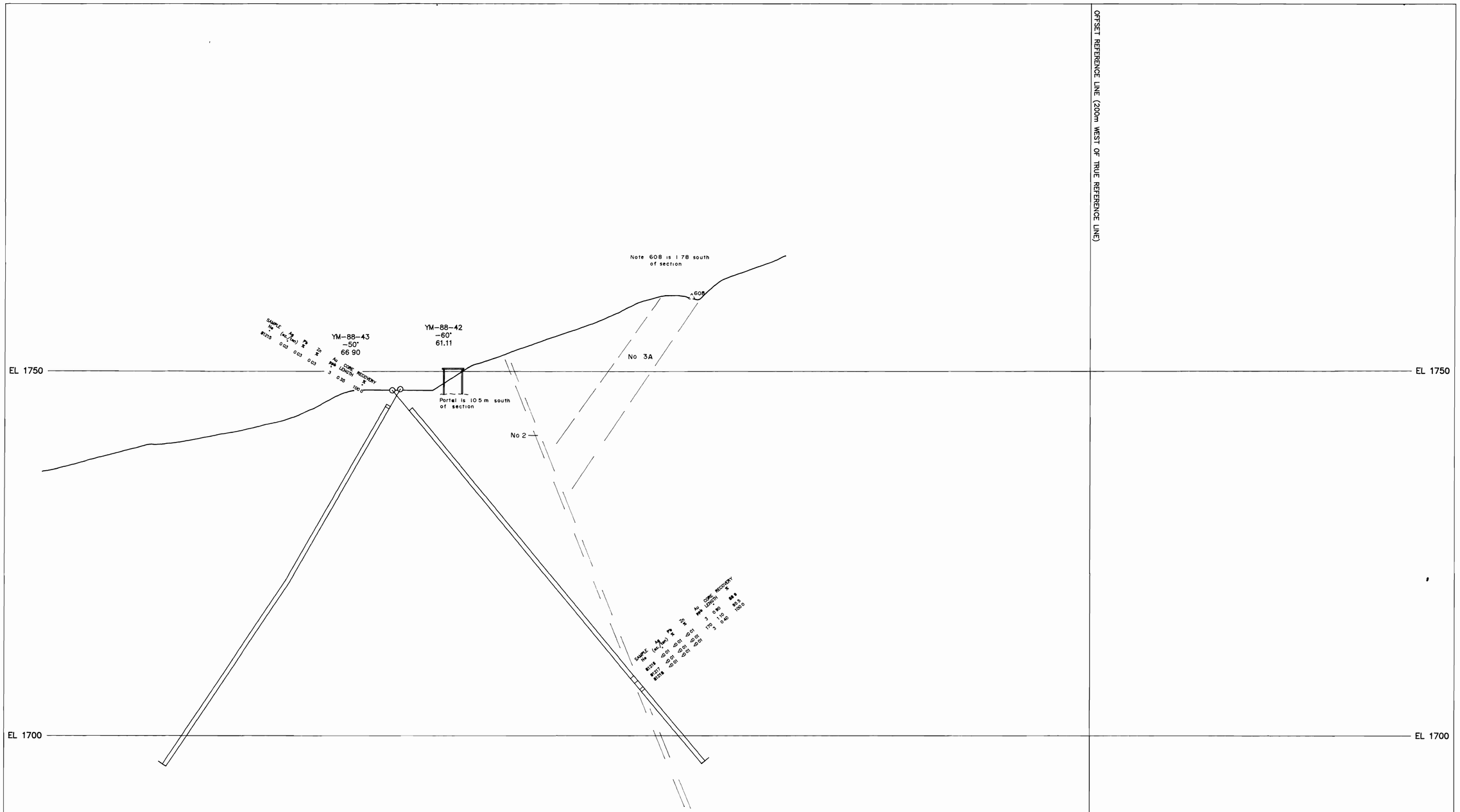
METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No 2 & No 3 ZONE
VERTICAL CROSS SECTION - 3+30 N GEOLOGY
LOOKING N 32° W

DATE. NOVEMBER 26, 1988 | TECH. B.F. | DWG No 3S-G6

DRAWN BY POLARIS CONSULTING , J B

OFFSET REFERENCE LINE (200m WEST OF TRUE REFERENCE LINE)



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz./ton) | Pb % | Zn % | Au ppb | CORE LENGTH | RECOVERY %

Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz /ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

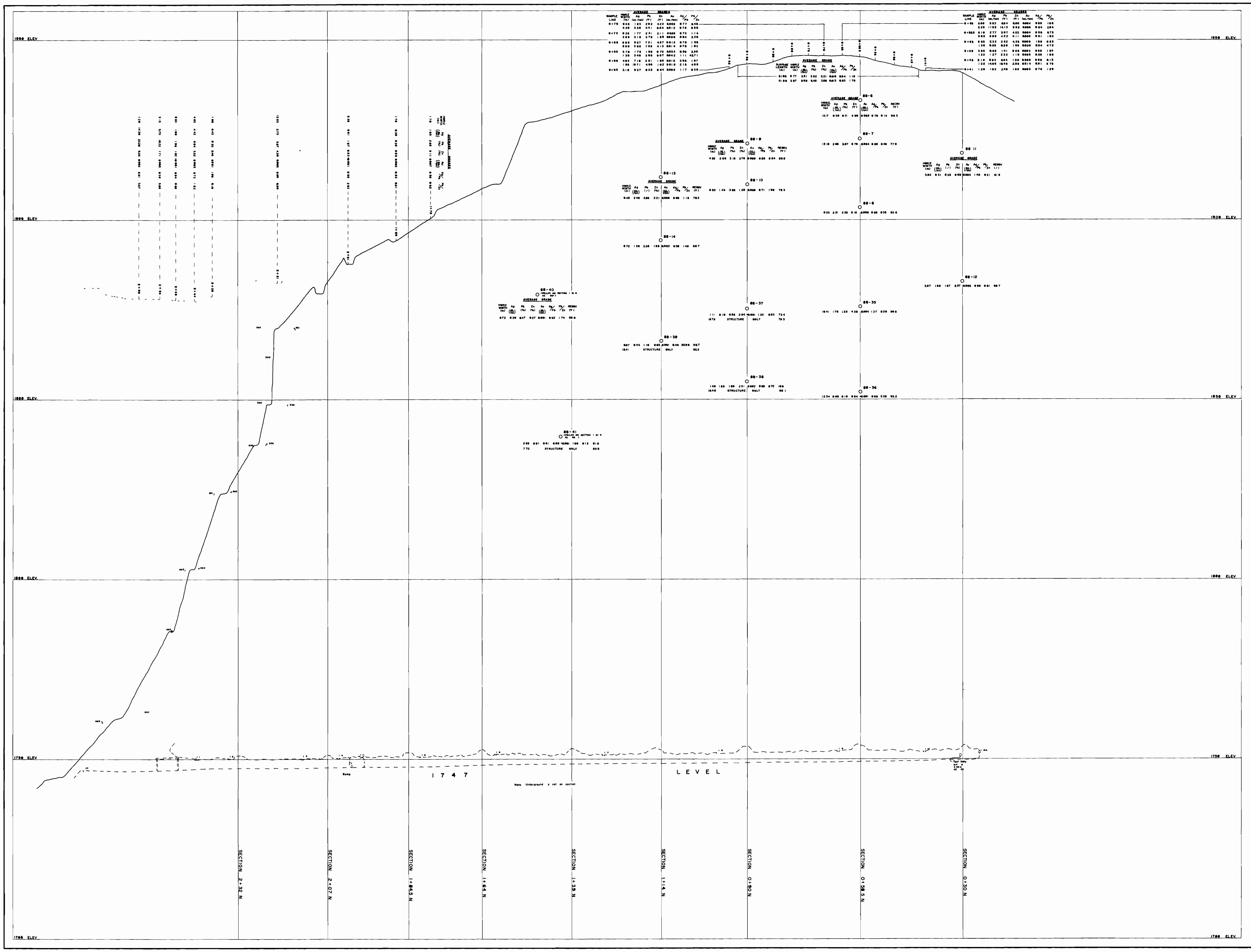
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

No. 2 & No. 3 ZONE
VERTICAL CROSS SECTION – 3+30 N ASSAY
LOOKING N 32° W

DATE: DECEMBER 31, 1988 | TECH. B F & R H | DWG No 3S-A6
DRAWN BY WRIGHT, HILLYARD, PARRY, & FULLER



REVISIONS

LEGEND

LITHOLOGY

- Ct CHERT
- D DOLOSTONE
- M MUDSTONE
- Sh SHALE
- Ph PHYLLITE
- St SILTSTONE
- Qz QUARTZITE/ARENITE
- C CONGLOMERATE
- A ANDESITE
- S SYENITE

MINOR COMPONENTS

- d DOLOMITIC
- (F) FOSSILIFEROUS
- s SILICIFIED
- a ANKERITIC
- c CALCAREOUS
- g CLAY/GOUGE
- b BLEACHED
- m MANGANESE
- h HEMATITE
- l LIMONITE
- ph PHYLLITIC
- st SILTY
- cb CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/− SPHALERITE +/− TETRAHEDRITE IN BRECCIA
- ● GALENA +/− SPHALERITE +/− TETRAHEDRITE REPLACEMENT FRACTURE FILLING
- ■ GALENA +/− SPHALERITE +/− TETRAHEDRITE − MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/− tetrahedrite +/− sphalerite +/− chalcopyrite +/− pyrite +/− scorite +/− malachite +/− azurite +/− quartz/iron carbonate gangue
OZ OXIDE ZONE gouge/breccia zone with >30% limonite matrix +/− massive clotted galena; sphalerite, pyrite
GZ GALENA ZONE >1% clotted, disseminated galena +/− sphalerite; <30% limonite
SZ SPHALERITE ZONE, >1% clotted disseminated sphalerite +/− galena, <30% limonite
PZ PYRITE ZONE massive, clotted pyrite
QV QUARTZ VEIN (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- FOLIATION & ANGLE TO CORE AXIS
- BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT − OBSERVED INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- A Dark green fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- S Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN EARLY AND MIDDLE DEVONIAN
- Ds(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damph Amphipora +/− stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained sericitic
- D Dolostone, massive medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uЄOslv Grey − buff calcareous phyllite, thinly laminated
- uЄOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lЄcsl Grey calcareous mica schist and marble

(modified after Templeman−Kluit, 1977)

REFERENCE

- In front of section
- Behind section
- ▲ Control Station

DRILL HOLE DATA

KM−88−5 (DRILL HOLE No.)
−00 (INCLINATION)
00.00 (LENGTH − metres)

ASSAY SEQUENCE

AVERAGE GRADE: HORIZ WIDTH, Ag (oz./ton), Pb (%), Zn (%), Au (oz./ton), Ag/Pb, Pb/Zn, RECOVERY (%)

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No

TO ACCOMPANY REPORT BY D P FOWLER P GEOL DATED DECEMBER 31 1988

YUKON MINERALS − PERREX J V.

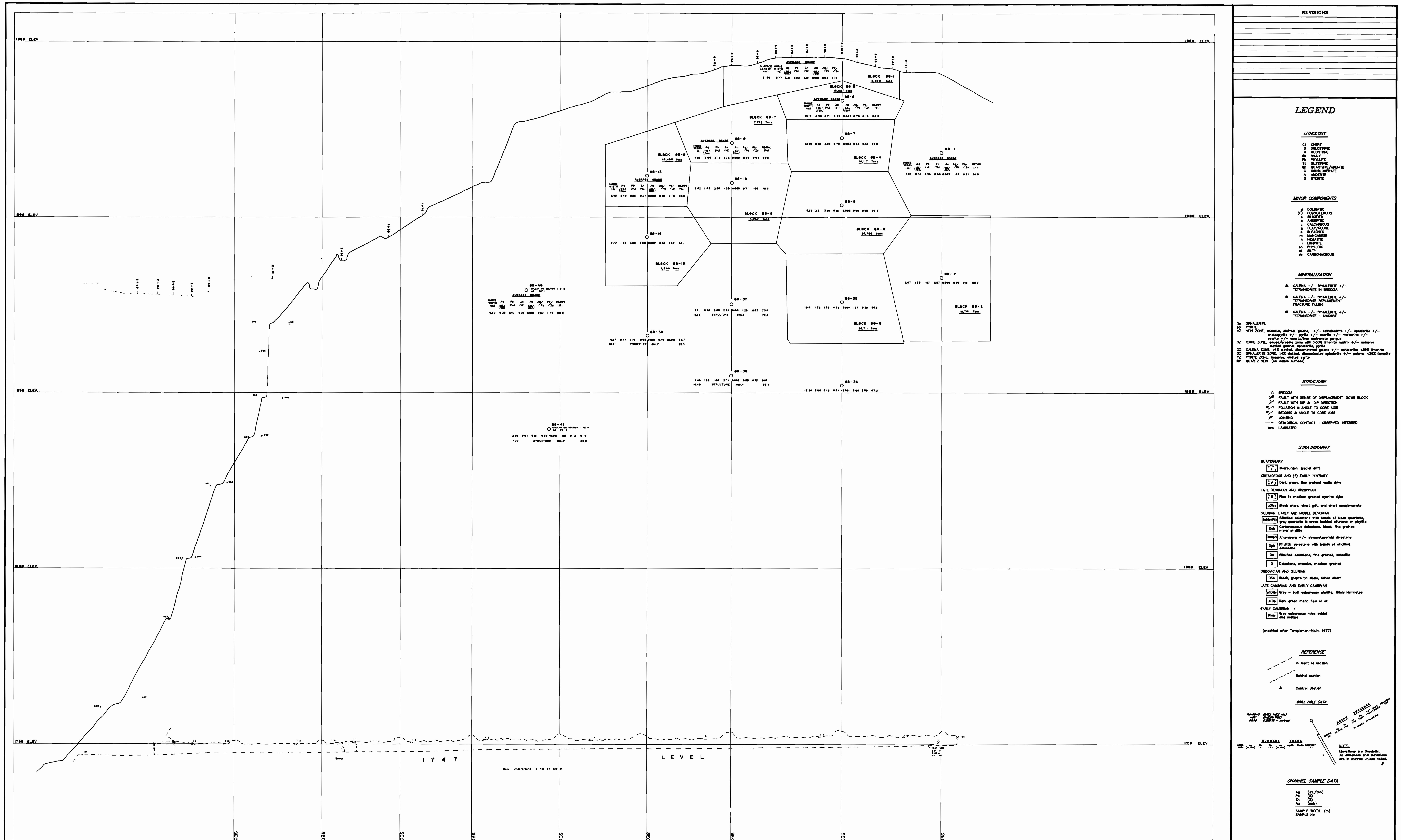
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:500

No 3 ZONE
ASSAY LONGITUDINAL SECTION
LOOKING N 70° E

DATE NOVEMBER 28, 1988	TECH. B F	DWG No.	3L-A1
DRAWN BY	POLARIS CONSULTING, R H		



TO ACCOMPANY REPORT BY B P FOWLER P GEOL DATED DECEMBER 31 1988

YUKON MINERALS — PERREX J.V.

KETZA PROJECT

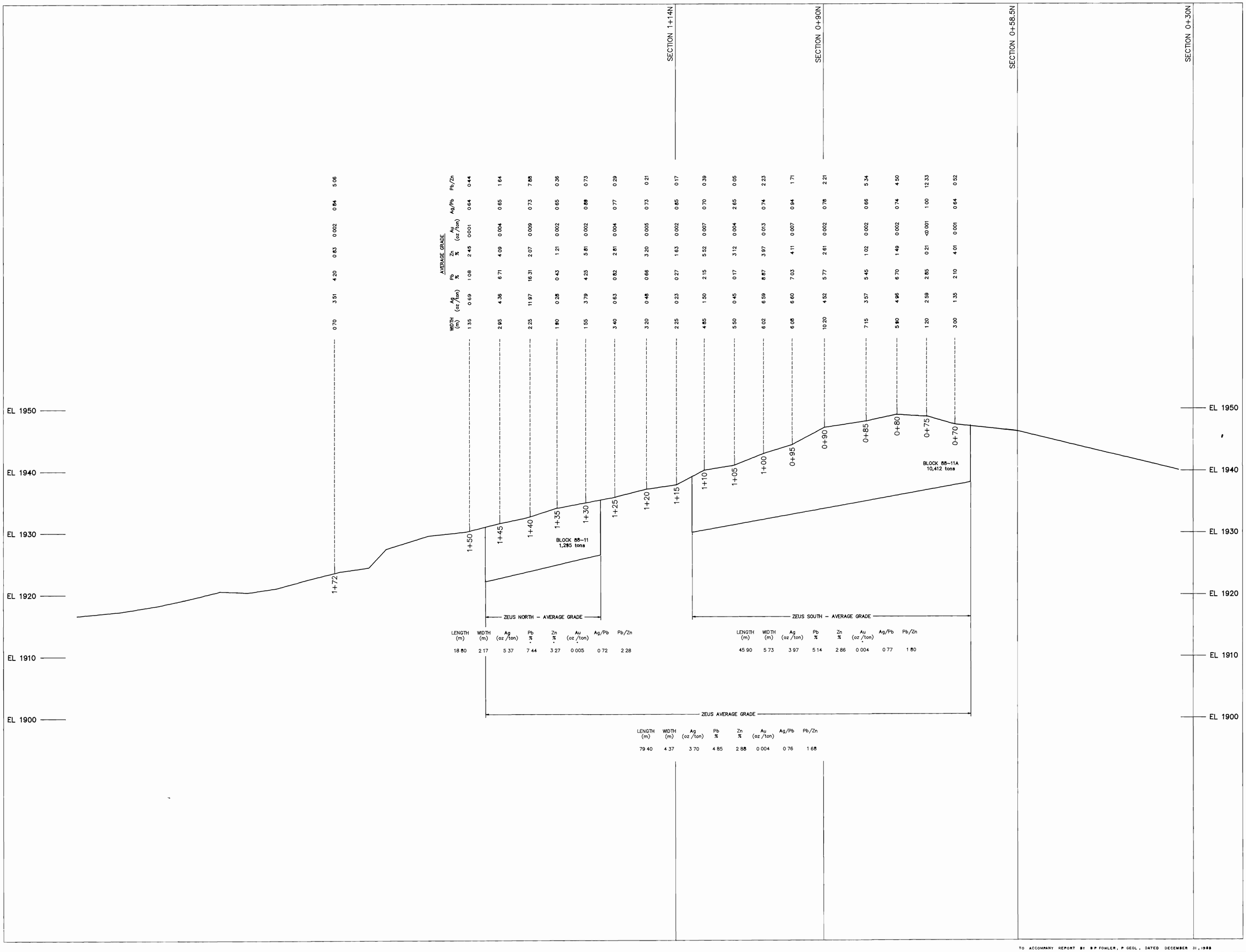
GROUNDHOG CREEK, YUKON TERRITORY
LAT 61 37' N., LONG. 132' 52' W., NTS 105 F/10

Scale 1:500

No 3 ZONE
RESERVE LONGITUDINAL SECTION
LOOKING N 70° E

DATE: NOVEMBER 28, 1988 | TECH. B F | DWG No. 3L-R1

DRAWN BY POLARIS CONSULTING, R H



TO ACCOMPANY REPORT BY B.F. FOWLER, P.GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct CHERT
D DOLOSTONE
M MUDSTONE
Sh SHALE
Ph PHYLLITE
St SILTSTONE
Qz QUARTZITE/ARENITE
C CONGLOMERATE
A ANDESITE
S SYENITE

MINOR COMPONENTS

d DOLOMITIC
(F) FOSSILIFEROUS
s SILICIFIED
a ANKERITIC
c CALCAREOUS
g CLAY/GOUGE
b BLEACHED
m MANGANESE
h HEMATITE
l LIMONITE
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st SILTY
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MINERALIZATION

▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

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py PYRITE
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OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/– massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
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STRUCTURE

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FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
FAULT WITH DIP & DIP DIRECTION
FOLIATION & ANGLE TO CORE AXIS
BEDDING & ANGLE TO CORE AXIS
JOINTING
— – GEOLOGICAL CONTACT – OBSERVED, INFERRED
lam LAMINATED

STRATIGRAPHY

QUATERNARY
Overburden, glacial drift
CRETACEOUS AND (?) EARLY TERTIARY
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(modified after Templeman-Kluit, 1977)

NOTE.
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All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

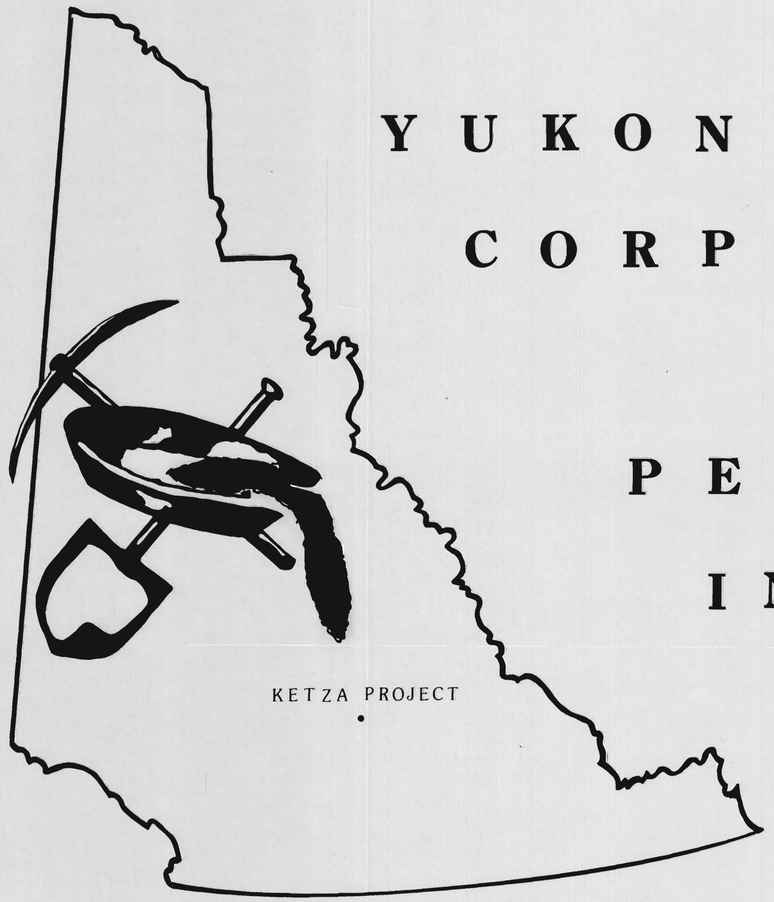
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250
METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

ZEUS ZONE
LONGITUDINAL & RESERVE SECTION
LOOKING N 70° E

DATE NOVEMBER 26, 1988 | TECH. B F & R H | DWG No ZL-AR1
DRAWN BY WRIGHT, HILLYARD, PARRY, & FULLER



YUKON MINERALS CORPORATION

PERREX RESOURCES INCORPORATED

JOINT VENTURE

AREA C

YUKON MINERALS-PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

To Accompany Report By B.P. FOWLER, P. Geol.

Compilation Of Work Done On Property During APRIL To NOVEMBER, 1988.

Data Compiled By: B.P. FOWLER, P. Geol.
Project Manager
POLARIS CONSULTING
Reg Harding

Dated: DECEMBER 31, 1988

614000 E | 615000 E | 616000 E | 617000 E | 618000 E

837000 N | 836000 N | 835000 N

GREG CLAIMS

HV 105 YA 99594 | HV 106 YA 99597 | HV 103 YA 99594 | HV 104 YA 99593 | HV 102 YA 99592 | HV 101 YA 99592

DWG. No. CP-G1, CP-A1 | DWG. No. C-G1 | DWG. No. CP-G1

GROUNDHOG ZONE | JENNY ZONE | PT ZONE | BIG MOUNTAIN ZONE | PS ZONE | RAY ZONE

VER 10 YA 98610 | VER 11 YA 98611 | VER 9 YA 90983 | VER 8 YA 90982 | VER 7 YA 90981 | VER 6 YA 90980 | VER 5 YA 90979 | VER 4 YA 90978 | VER 3 YA 90977 | VER 2 YA 90976 | VER 1 YA 90975

HV 216 YB 01726 | HV 215 YB 01725 | HV 218 YB 01728 | BEN 15 Y 13597

No.1 ZONE | CARIBOU 2 89297 | CARIBOU 1 89296

VER 12 YB 01843 | VER 13 YB 01844 | VER 14 YB 01845

PAX 2 YA 90472 | PAX 1 YA 90471 | CARIBOU 3 89298 | PAX 3 YA 90473 | PAX 4 YA 90474 | PAX 6 YA 90476 | PAX 5 YA90475 | PAX 8 YA 90478 | PAX 7 YA 90477

RAX 2 YA 90480 | RAX 1 YA 90479 | RAX 4 YA 90482 | RAX 3 YA 90481 | RAX 6 YA 90484 | RAX 5 YA 90483

HV 99 YA 99590 | HV 100 YA 99591 | HV 97 YA 99588 | HV 98 YA 99589 | HV 95 YA 99586 | HV 96 YA 99587 | HV 93 YA 99584 | HV 94 YA 99585 | HV 92 YA 99583 | HV 117 YA 99608 | HV 118 YA 99609

HV 274 | HV 272 | HV 270 YB 01708 | HV 268 YB 01707 | HV 267 YB 01706 | HV 265 YB 01704 | HV 266 YB 01705 | HV 264 YB 01703 | HV 263 YB 01702

YB 01711 | YB 01709

(202) (221) (229) (220) (228) (226) (219) (215) (204) (218) (205) (214) (216) (217) (213) (208) (224) (207) (211) (222) (223) (212) (206) (225)

(TRIG. TIE – LOCATION APPROX.) | NO POST FOUND

UNDERGROUND WORKINGS

ZEUS ZONE | No. 3 ZONE | 288 ZONES | No. 2 ZONE

TRUE NORTH | GRID | MAGNETIC | 1° 59' | 23° 11'

INDEX

DWG. No. (AREA/ZONE)(VIEW)—(TYPE)(PLAN No.)

AREA/ZONE		VIEW	TYPE	PLAN No.
"A"	P – P.N L – LUCKY – LUCKY (MF)	P – SURFACE PLAN S – DRILL SECTION L – LONGITUDINAL U – UNDERGROUND	G – GEOLOGY A – ASSAY R – RESERVE S – SURVEY GY – GEOPHYSICS GS – GEOLOGY SECTION	NUMBERED SEQUENTIALLY BY AREA/ZONE AND VIEW
"B"	2 – No. 2 – No. 2A 3 – No. 3 – No. 3A Z – ZEUS – DELTA – A VEIN – B VEIN – C VEIN			
"C"	G – GROUNDHOG – JENNY PT – PT ZONE			

LEGEND

UNIVERSAL TRANSVERSE MERCATOR GRID

(208) SURVEY POINT No.

POST No.

HV 95 YA 99586 | HV 96 YA 99587 — CLAIM NAME / TAG No.

LOCATION LINE WITH DIRECTION OF STAKING

POST FOUND

CLAIM LOCATION APPROXIMATE (NO POSTS SURVEYED)

GEOLOGICAL SHOWING

ALL CLAIM POSTS SURVEYED BY THOMSON & ILES, OCTOBER 1987, WITH THE EXCEPTION OF CARIBOU CLAIM POSTS. THESE WERE SURVEYED BY POLARIS CONSULTING, AUGUST 1988.

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988.

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1:5000

METRES 0 20 60 100 200 300 400 500 600 METRES

FEET 0 100 300 500 1000 1500 2000 FEET

AREA "C" INDEX PLAN

DATE: DECEMBER 31, 1988 | TECH.: R.H. | DWG. No. C-1

DRAWN BY: POLARIS CONSULTING, R.H.

614000 E | 615000 E | 616000 E | 617000 E | 618000 E

837000 N | 836000 N | 835000 N

GREG CLAIMS

HV 105 YA 99596 | HV 106 YA 99597 | VER 10 YA 98610 | VER 11 YA 98611 | HV 216 YB 01726 | HV 215 YB 01725 | HV 218 YB 01728 | BEN 15 Y 13597

HV 103 YA 99594 | HV 104 YA 99595 | VER 7 YA 90981 | VER 8 YA 90982 | VER 9 YA 90983 | CARIBOU 2 89297 | CARIBOU 1 89296

HV 101 YA 99592 | HV 102 YA 99593 | VER 5 YA 90979 | VER 6 YA 90980 | PAX 2 YA 90472 | PAX 1 YA 90471

HV 99 YA 99590 | HV 100 YA 99591 | VER 3 YA 90977 | VER 4 YA 90978 | CARIBOU 3 89298 | PAX 3 YA 90473 | PAX 4 YA 90474

HV 97 YA 99588 | HV 98 YA 99589 | VER 1 YA 90975 | VER 2 YA 90976 | RAX 2 YA 90480 | RAX 1 YA 90479 | PAX 6 YA 90476 | PAX 5 YA90475

HV 95 YA 99586 | HV 96 YA 99587 | HV 266 YB 01705 | RAX 4 YA 90482 | RAX 3 YA 90481 | PAX 8 YA 90478 | PAX 7 YA 90477

HV 93 YA 99584 | HV 94 YA 99585 | HV 264 YB 01703 | RAX 6 YA 90484 | RAX 5 YA 90483

HV 92 YA 99583 | HV 117 YA 99608 | HV 118 YA 99609 | HV 263 YB 01702

HV 276 YB 01711 | HV 274 YB 01710 | HV 272 YB 01709 | HV 270 YB 01708 | HV 268 YB 01707 | HV 267 YB 01706 | HV 265 YB 01704

VER 12 YB 01843 | VER 13 YB 01844 | VER 14 YB 01845

(202) (203) (204) (205) (208) (223) (211) (213) (218) (219) (220) (221) (214) (217) (224) (207) (212) (206) (225) (222) (216) (215) (226) (229) (228)

PS ZONE | RAY ZONE | GROUNDHOG ZONE | JENNY ZONE | PT ZONE | BIG MOUNTAIN ZONE | ZEUS ZONE | No 3 ZONE | A & B ZONES | No 2 ZONE | No 1 ZONE

UNDERGROUND WORKINGS

(TRIG TIE – LOCATION APPROX)

(NO POST FOUND)

1° 59' | 29° | GRID | MAGNETIC | TRUE NORTH

LEGEND

UNIVERSAL TRANSVERSE MERCATOR GRID

(208) — SURVEY POINT No

POST No

HV 95 YA 99586 | HV 96 YA 99587 — CLAIM NAME / TAG No

LOCATION LINE WITH DIRECTION OF STAKING

POST FOUND

CLAIM LOCATION APPROXIMATE (NO POSTS SURVEYED)

GEOLOGICAL SHOWING

ALL CLAIM POSTS SURVEYED BY THOMSON & ILES, OCTOBER 1987, WITH THE EXCEPTION OF CARIBOU CLAIM POSTS THESE WERE SURVEYED BY POLARIS CONSULTING, AUGUST 1988

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

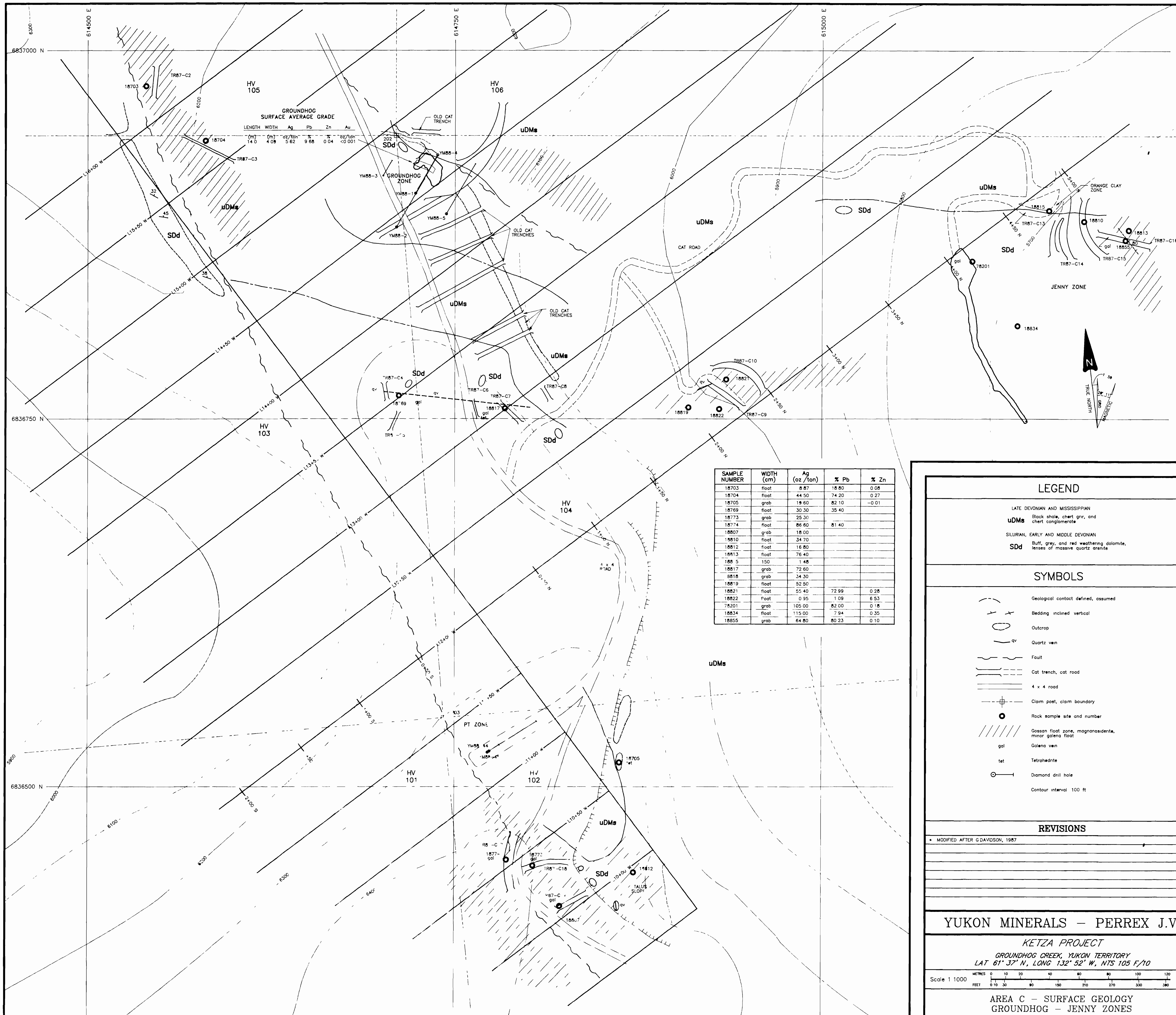
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 5000 — METRES 0 20 40 60 100 200 300 400 500 600 METRES; FEET 0 100 300 500 1000 1500 2000 FEET

PLAN OF SURVEYED CLAIMS & LOCATION OF MAIN ZONES

DATE DECEMBER 31, 1988 | TECH R H | DWG No BC-S1

DRAWN BY POLARIS CONSULTING, R H



GROUNDHOG SURFACE AVERAGE GRADE

LENGTH	WIDTH	Ag	Pb	Zn	Au
(m)	(m)	oz/ton	%	%	oz/ton
14 0	4 09	5 62	9 68	0 04	<0 001

SAMPLE NUMBER	WIDTH (cm)	Ag (oz /ton)	% Pb	% Zn
18703	float	8 87	18 80	0 08
18704	float	44 50	74 20	0 27
18705	grab	19 60	82 10	−0 01
18769	float	30 30	35 40	
18773	grab	25 30		
18774	float	86 60	81 40	
18807	grab	18 00		
18810	float	34 70		
18812	float	16 80		
18813	float	76 40		
188 5	150	1 48		
18817	grab	72 60		
8818	grab	34 30		
18819	float	52 50		
18821	float	55 40	72 99	0 28
18822	float	0 95	1 09	6 53
78201	grab	105 00	82 00	0 18
18834	float	115 00	7 94	0 35
18855	grab	64 80	80 23	0 10

TO ACCOMPANY REPORT BY B P FOWLER, P GEOL DATED 31 DECEMBER 1988

LEGEND

LATE DEVONIAN AND MISSISSIPPIAN

uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN

SDd Buff, grey, and red weathering dolomite, lenses of massive quartz arenite

SYMBOLS

Geological contact defined, assumed
Bedding inclined vertical
Outcrop
qv Quartz vein
Fault
Cat trench, cat road
4 x 4 road
Claim post, claim boundary
Rock sample site and number
Gossan float zone, magnanosiderite, minor galena float
gal Galena vein
tet Tetrahedrite
Diamond drill hole
Contour interval 100 ft

REVISIONS

* MODIFIED AFTER G DAVIDSON, 1987

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

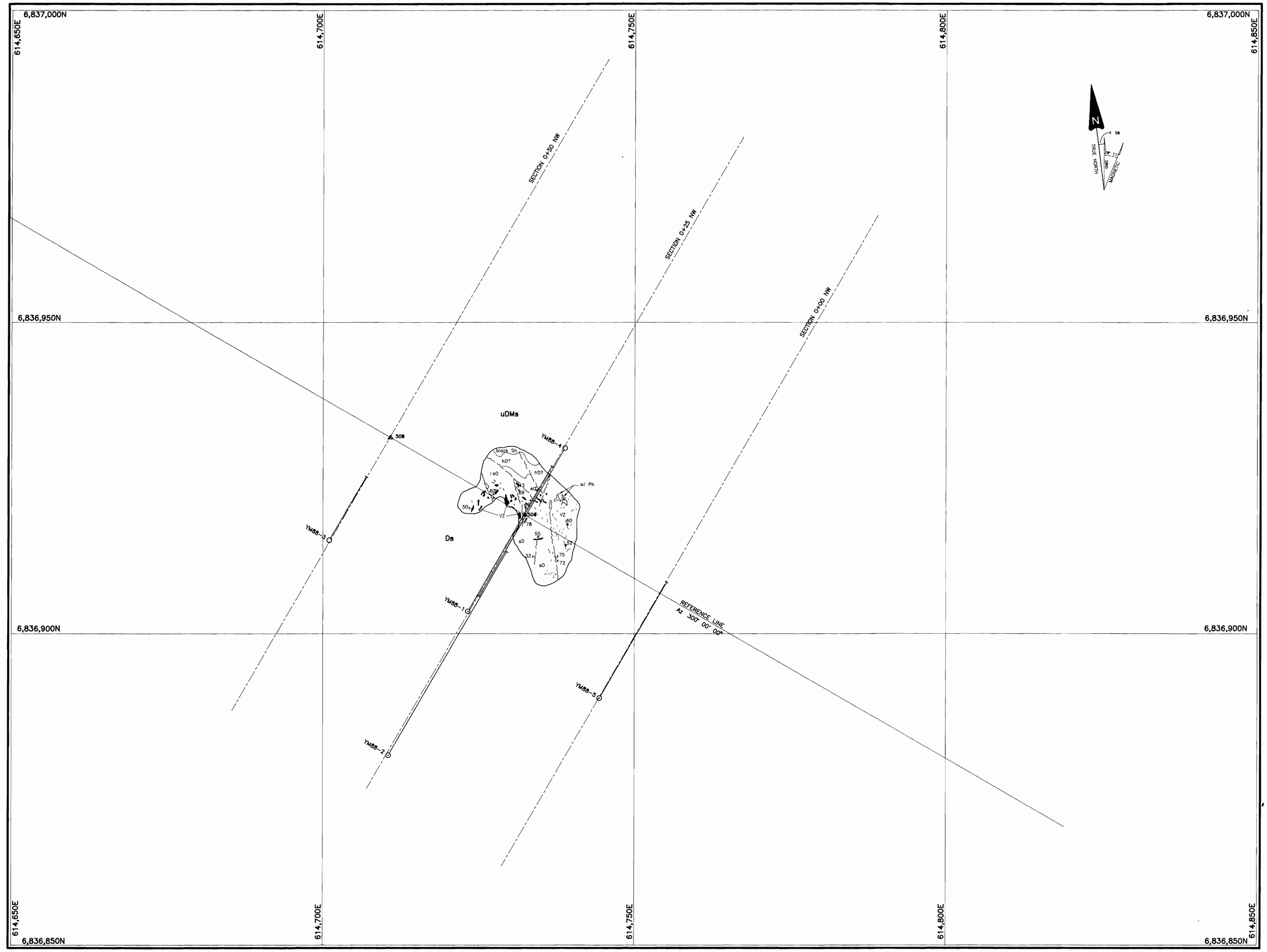
GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N, LONG 132° 52' W, NTS 105 F/10

Scale 1 1000 — METRES 0 10 20 40 60 80 100 120 METRES; FEET 0 10 30 90 150 210 270 330 390 FEET

AREA C – SURFACE GEOLOGY
GROUNDHOG – JENNY ZONES

DATE 88-12-14 | TECH G D/R H/B P F | DWG No C-G1

DRAWN BY *NEW CONCEPT DRAFTING LTD*



TO ACCOMPANY REPORT BY B.P. FOWLER P. GEOL. DATED 31 DECEMBER 1988

REVISIONS

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/- SPHALERITE +/- TETRAHEDRITE IN BRECCIA
- ● GALENA +/- SPHALERITE +/- TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/- SPHALERITE +/- TETRAHEDRITE - MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/- tetrahedrite +/- sphalerite +/- chalcopyrite +/- pyrite +/- scorodite +/- malachite +/- azurite +/- quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/- massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/- sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/- galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 38 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- —— GEOLOGICAL CONTACT - OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN EARLY AND MIDDLE DEVONIAN
- Ds(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damph Amphipora +/- stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sereicitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptolitic shale minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOslv Grey - buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lEcsl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

NOTE:
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS - PERREX J.V.

KETZA PROJECT

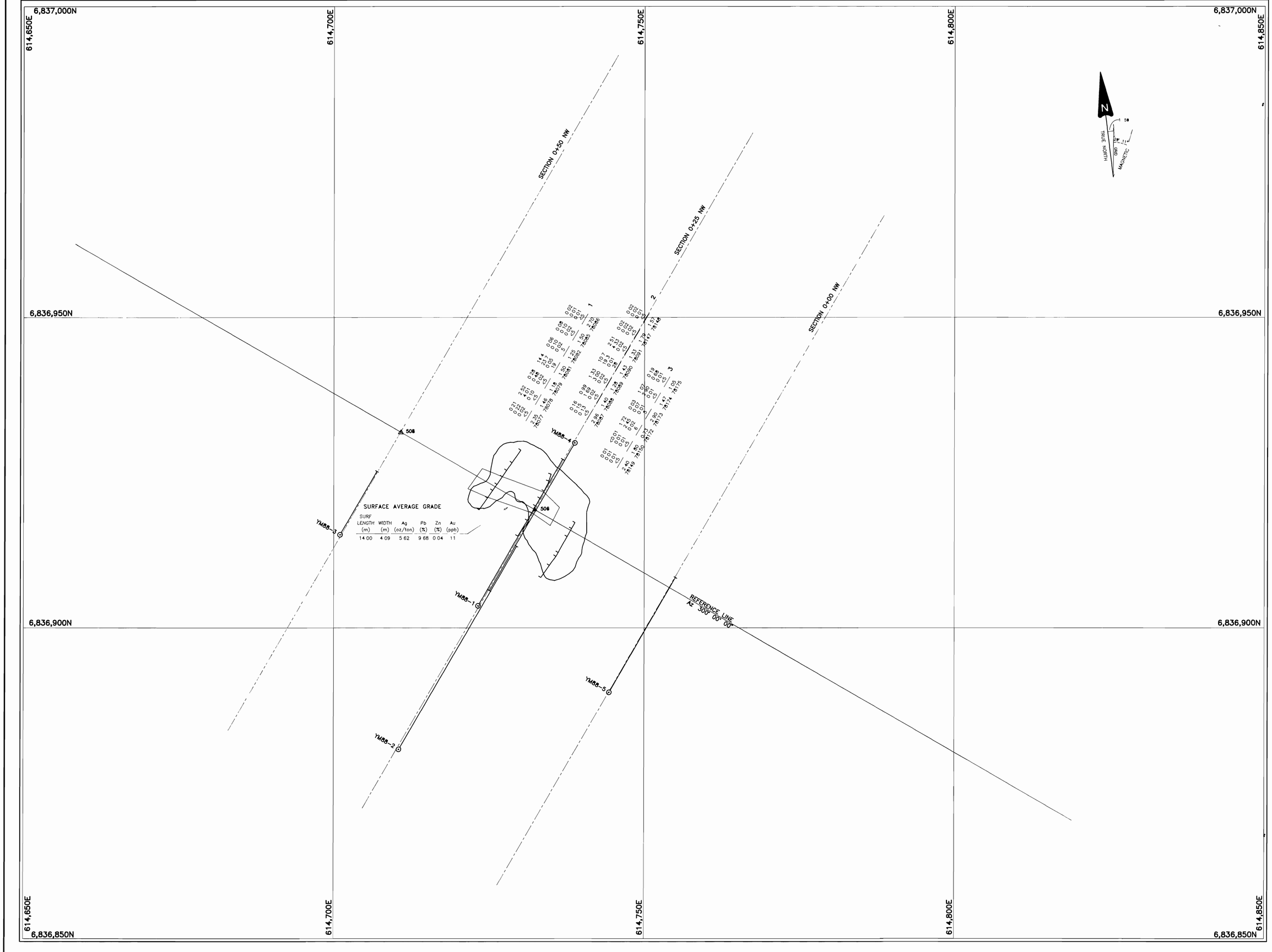
GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N, LONG. 132° 52' W, NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

GROUNDHOG ZONE SURFACE GEOLOGY

DATE DECEMBER 31, 1988	TECH R.H., B.P.F	DWG No CP-G1
DRAWN BY NEW CONCEPT DRAFTING LTD		



REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60 (INCLINATION)
65 00 (LENGTH - metres)

ASSAY SEQUENCE

SAMPLE No. | Ag (oz/ton) | Pb % | Zn % | Au (ppb) | CORE RECOVERY % LENGTH | Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

TO ACCOMPANY REPORT BY B P FOWLER P GEOL DATED 31 DECEMBER 1988

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT 61° 37' N, LONG 132° 52' W, NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

GROUNDHOG ZONE
SURFACE ASSAY PLAN

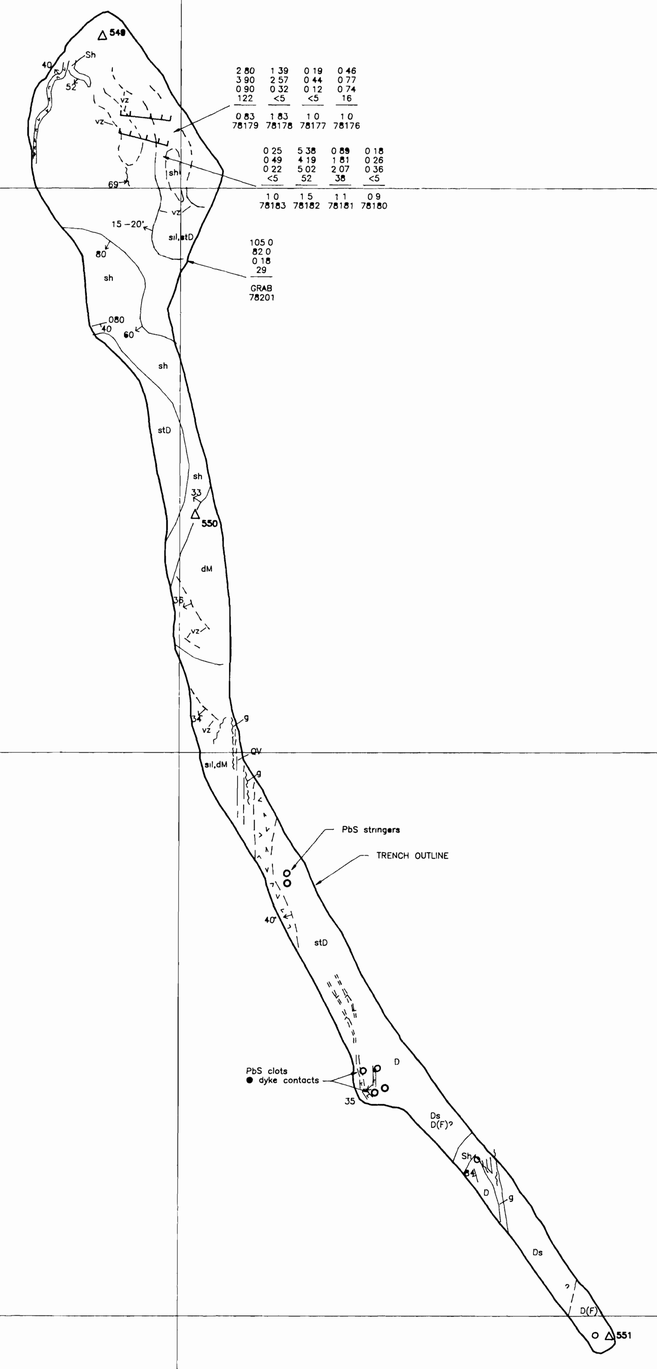
DATE DECEMBER 31, 1988	TECH R H, B P F	DWG No
DRAWN BY NEW . . NCEPT DRAFTING		CP-A1

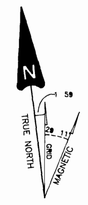
615,000E | 615,050E | 615,100E | 615,150E | 615,200E

6,836,850N

6,836,800N

6,836,750N





615,000E | 615,050E | 615,100E | 615,150E | 615,200E

REVISIONS

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL. DATED 31 DECEMBER 1988

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scarodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/– massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- — — GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- DS(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Damph Amphipora +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsi Black, graptolitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uЄOslv Grey – buff calcareous phyllite, thinly laminated
- uЄOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lЄcm Grey calcareous mica schist and marble

(modified after Templeman–Kluit, 1977)

NOTE.
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YUKON MINERALS – PERREX J.V.

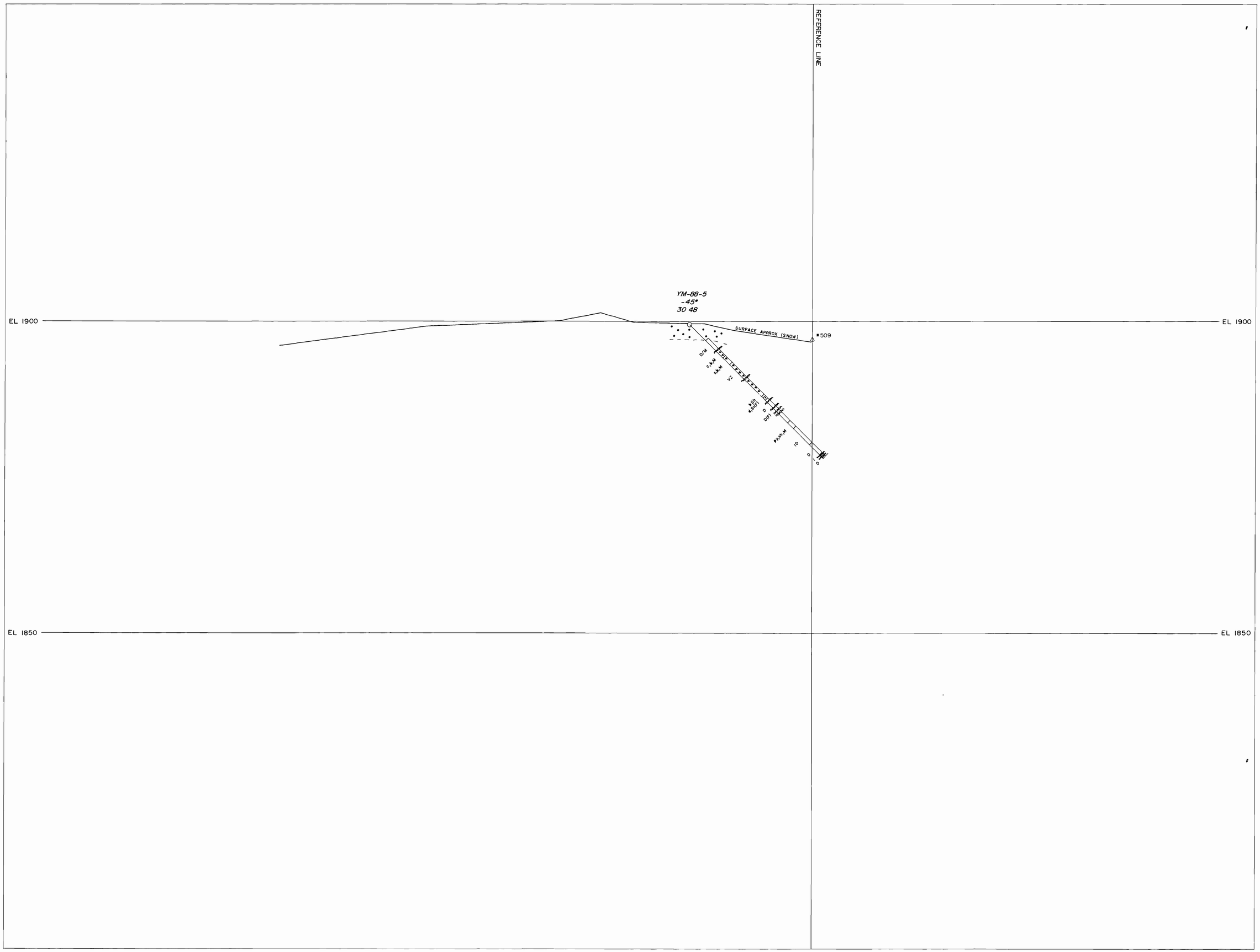
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N, LONG 132° 52' W, NTS 105 F/10

Scale 1 250 — METRES 0 1 2 3 4 5 10 15 20 25 30 * METRES; FEET 0 5 10 15 20 25 50 75 100 FEET

JENNY ZONE
SURFACE ASSAY AND GEOLOGY

DATE DECEMBER 31, 1988	TECH MI/BPF	DWG No CP–G2
DRAWN BY NEW CONCEPT DRAFTING LTD		



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
C	CONGLOMERATE
A	ANDESITE
S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
s	SILICIFIED
a	ANKERITIC
c	CALCAREOUS
g	CLAY/GOUGE
b	BLEACHED
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h	HEMATITE
l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scorodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/– massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- – – GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- DsQz+Ph Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Demph Amphipora +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptelitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uEOslv Grey – buff calcareous phyllite, thinly laminated
- uEOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lCcsl Grey calcareous mica schist and marble

(modified after Templeman–Kluit, 1977)

NOTE.
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

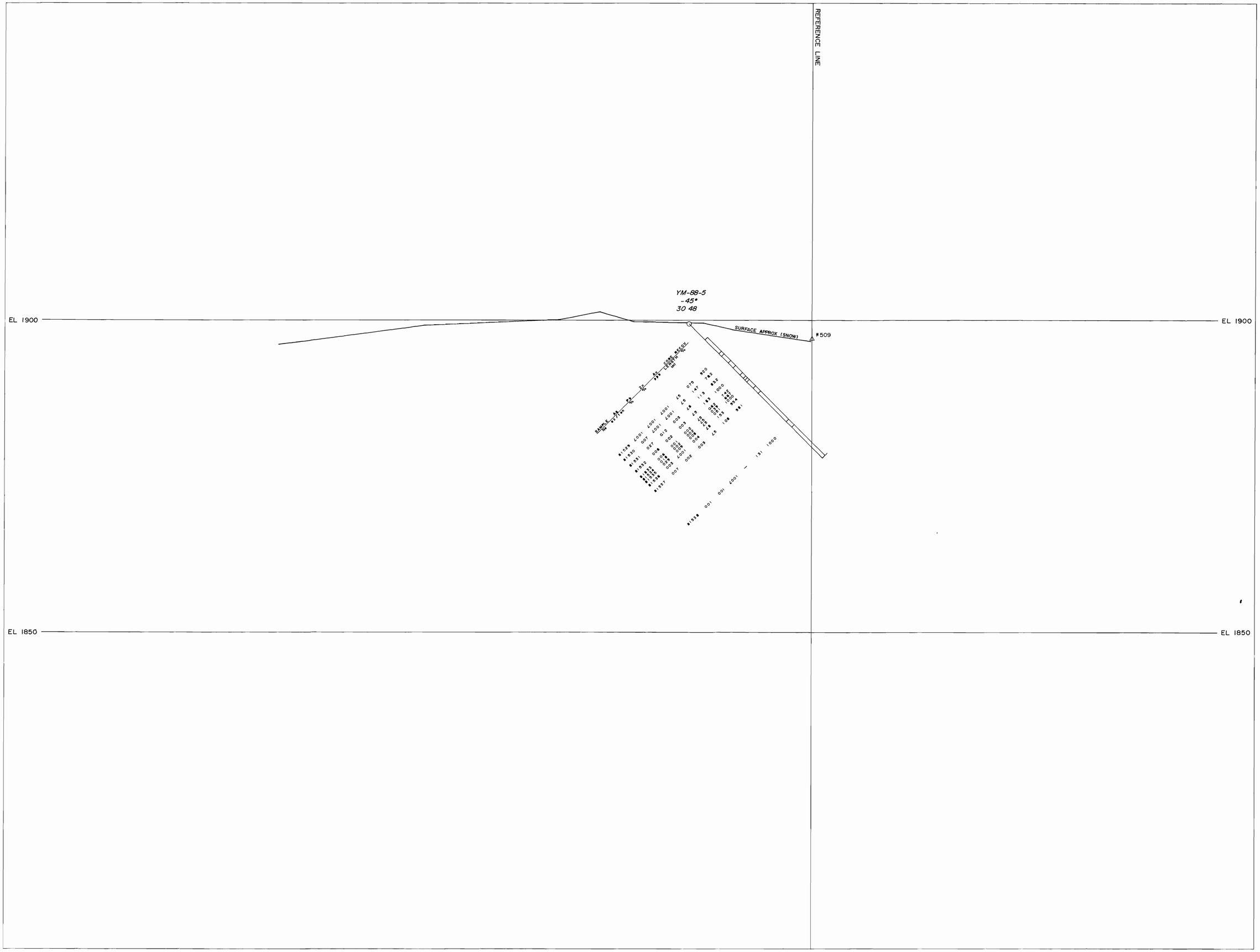
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

GROUNDHOG ZONE
VERTICAL CROSS SECTION - 0+00 NW GEOLOGY
LOOKING N60°W

DATE DECEMBER 6, 1988	TECH B F	DWG No GS - G1
DRAWN BY POLARIS CONSULTING, JB		



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-80 (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE

SAMPLE No | Ag (oz./ton) | Pb % | Zn % | Au ppb | CORE RECOVERY LENGTH %

Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH	Ag (oz./ton)	Pb %	Zn %	Au (oz./ton)	Ag/Pb	Pb/Zn	RECOVERY %
.						.	

LEGEND

CHANNEL SAMPLE DATA

Ag (oz/ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

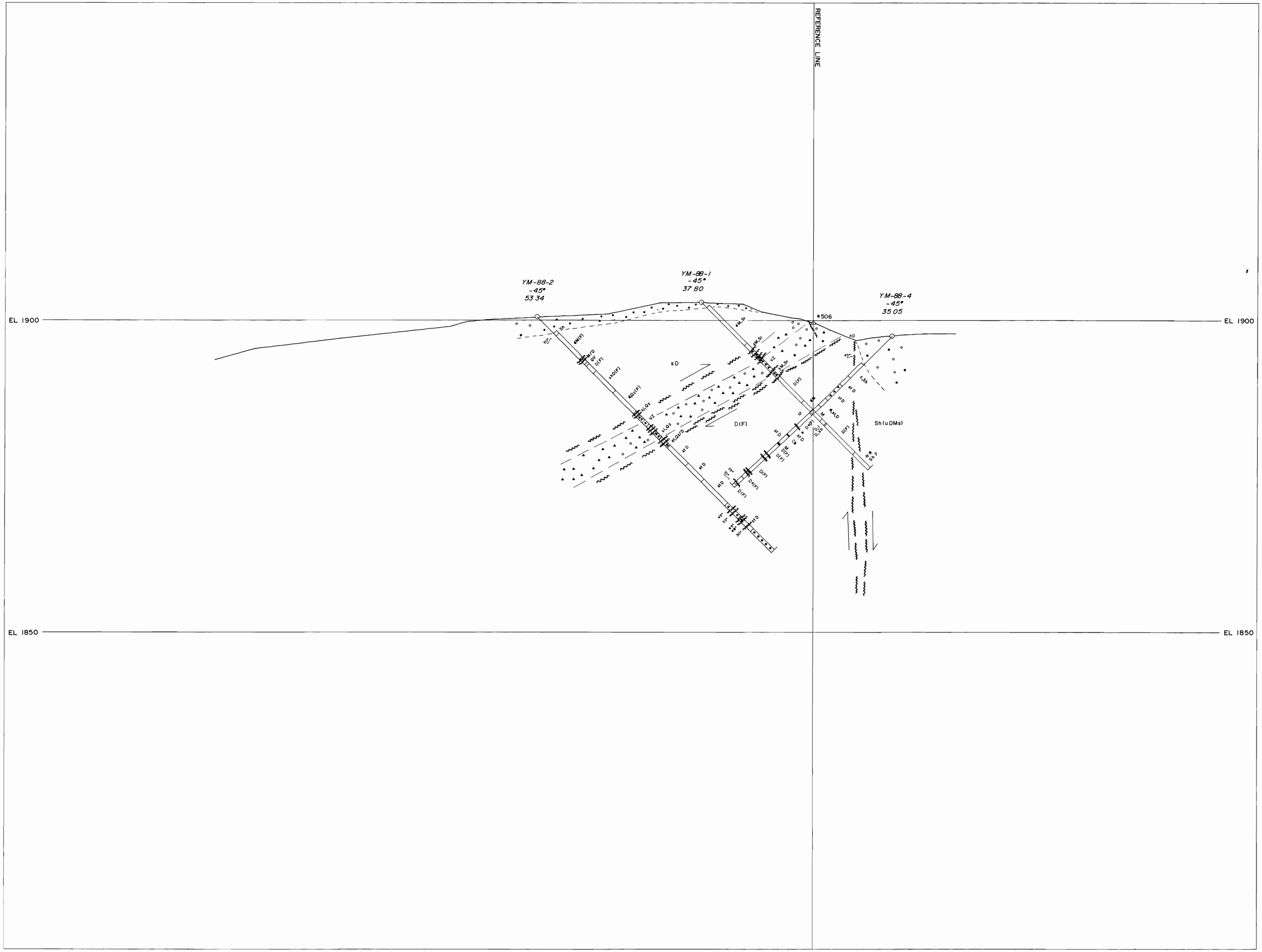
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 80 75 100 FEET

GROUNDHOG ZONE
VERTICAL CROSS SECTION - 0 +00 NW ASSAY
LOOKING N60°W

DATE. DECEMBER 6, 1988 | TECH. B F
DRAWN BY POLARIS CONSULTING, J B

DWG No GS - A1



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
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A	ANDESITE
S	SYENITE

MINOR COMPONENTS

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g	CLAY/GOUGE
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l	LIMONITE
ph	PHYLLITIC
st	SILTY
cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/− SPHALERITE +/− TETRAHEDRITE IN BRECCIA
- ● GALENA +/− SPHALERITE +/− TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/− SPHALERITE +/− TETRAHEDRITE − MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/− tetrahedrite +/− sphalerite +/− chalcopyrite +/− pyrite +/− scorodite +/− malachite +/− azurite +/− quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/− massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/− sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/− galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- — — GEOLOGICAL CONTACT − OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- Dq(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Dmphl Amphipora +/− stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
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- OSsl Black, graptolitic shale, minor chert

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- uCOslv Grey − buff calcareous phyllite, thinly laminated
- uCOb Dark green mafic flow or sill

EARLY CAMBRIAN
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(modified after Templeman−Kluit, 1977)

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YUKON MINERALS − PERREX J.V.

KETZA PROJECT

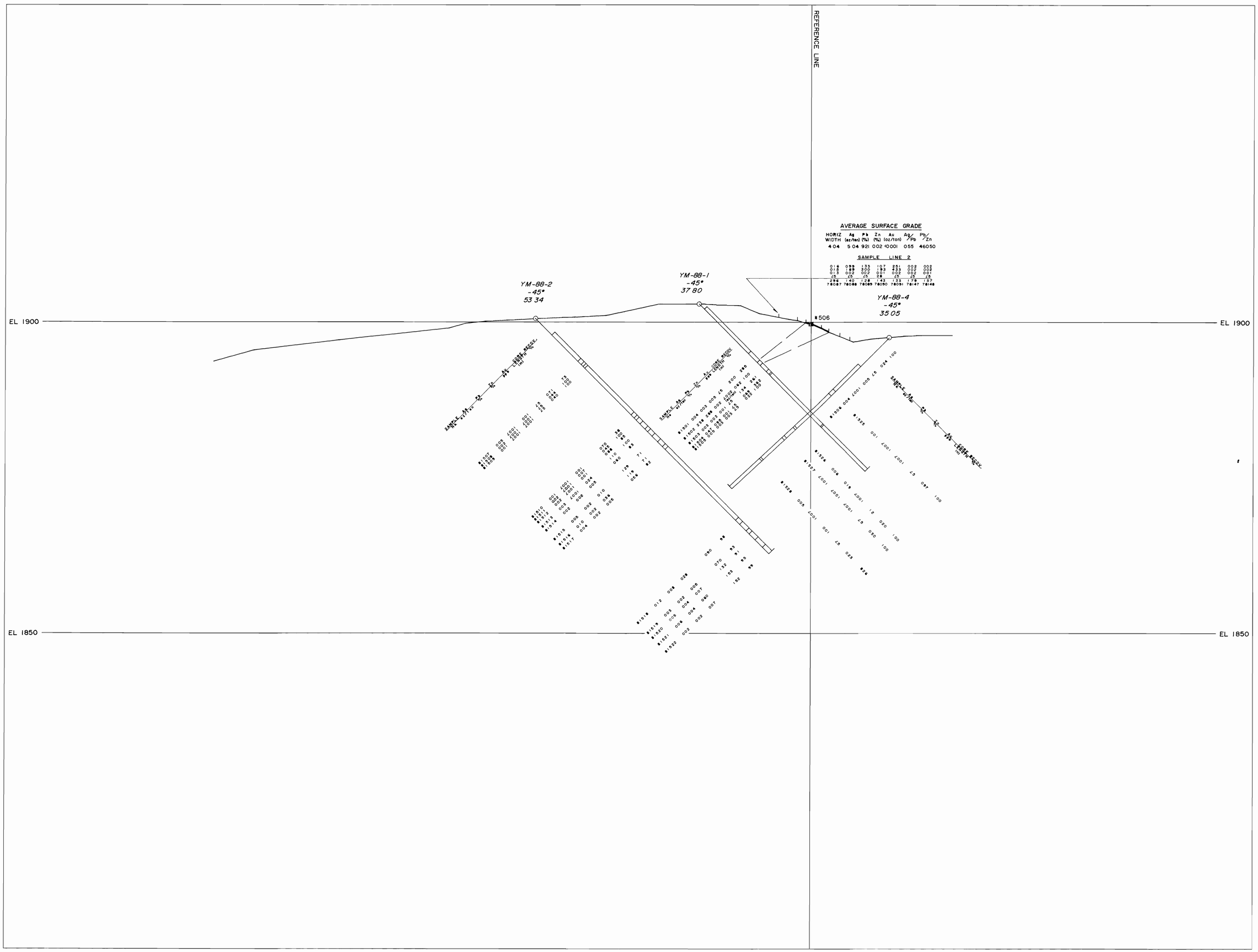
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

GROUNDHOG ZONE
VERTICAL CROSS SECTION - 0 +25 NW GEOLOGY
LOOKING N60°W

DATE DECEMBER 8, 1988	TECH B F	DWG No GS - G2
DRAWN BY POLARIS CONSULTING, J B		



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60 (INCLINATION)
65 00 (LENGTH – metres)

ASSAY SEQUENCE: SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | CORE RECOVERY % | Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH	Ag (oz./ton)	Pb %	Zn %	Au (oz./ton)	Ag/Pb	Pb/Zn	RECOVERY %

CHANNEL SAMPLE DATA

Ag (oz /ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

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METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
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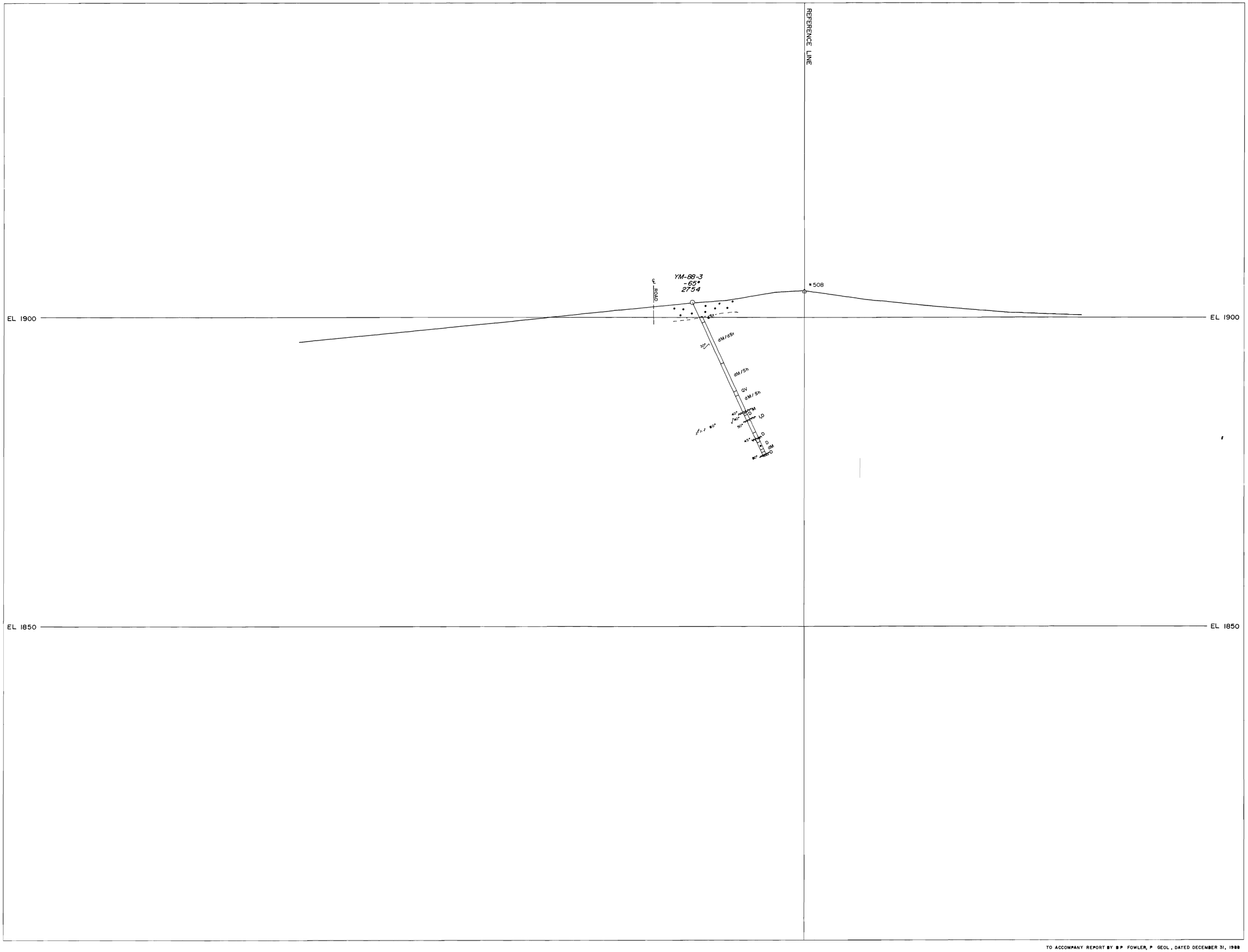
GROUNDHOG ZONE
VERTICAL CROSS SECTION - 0 +25 NW ASSAY
LOOKING N60°W

DATE DECEMBER 8, 1988	TECH B F	DWG No GS-A2
DRAWN BY POLARIS CONSULTING, J B		



TO ACCOMPANY REPORT BY B F FOWLER, P GEOL , DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct	CHERT
D	DOLOSTONE
M	MUDSTONE
Sh	SHALE
Ph	PHYLLITE
St	SILTSTONE
Qz	QUARTZITE/ARENITE
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S	SYENITE

MINOR COMPONENTS

d	DOLOMITIC
(F)	FOSSILIFEROUS
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g	CLAY/GOUGE
b	BLEACHED
m	MANGANESE
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ph	PHYLLITIC
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cb	CARBONACEOUS

MINERALIZATION

- ▲ GALENA +/– SPHALERITE +/– TETRAHEDRITE IN BRECCIA
- ● GALENA +/– SPHALERITE +/– TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
- ■ GALENA +/– SPHALERITE +/– TETRAHEDRITE – MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/– tetrahedrite +/– sphalerite +/– chalcopyrite +/– pyrite +/– scorodite +/– malachite +/– azurite +/– quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/– massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/– sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/– galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

- △ BRECCIA
- FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
- FAULT WITH DIP & DIP DIRECTION
- 35 FOLIATION & ANGLE TO CORE AXIS
- 35 BEDDING & ANGLE TO CORE AXIS
- JOINTING
- GEOLOGICAL CONTACT – OBSERVED, INFERRED
- lam LAMINATED

STRATIGRAPHY

QUATERNARY
- Overburden, glacial drift

CRETACEOUS AND (?) EARLY TERTIARY
- Dark green, fine grained mafic dyke

LATE DEVONIAN AND MISSIPPIAN
- Fine to medium grained syenite dyke
- uDMs Black shale, chert grit, and chert conglomerate

SILURIAN, EARLY AND MIDDLE DEVONIAN
- De(Qz+Ph) Silicified dolostone with bands of black quartzite, grey quartzite & cross bedded siltstone or phyllite
- Dcb Carbonaceous dolostone, black, fine grained minor phyllite
- Demph Amphipora +/– stromatoporoid dolostone
- Dph Phyllitic dolostone with bands of silicified dolostone
- Ds Silicified dolostone, fine grained, sericitic
- D Dolostone, massive, medium grained

ORDOVICIAN AND SILURIAN
- OSsl Black, graptelitic shale, minor chert

LATE CAMBRIAN AND EARLY CAMBRIAN
- uCOslv Grey – buff calcareous phyllite, thinly laminated
- uCOb Dark green mafic flow or sill

EARLY CAMBRIAN
- lCcsl Grey calcareous mica schist and marble

(modified after Templeman–Kluit, 1977)

NOTE:
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

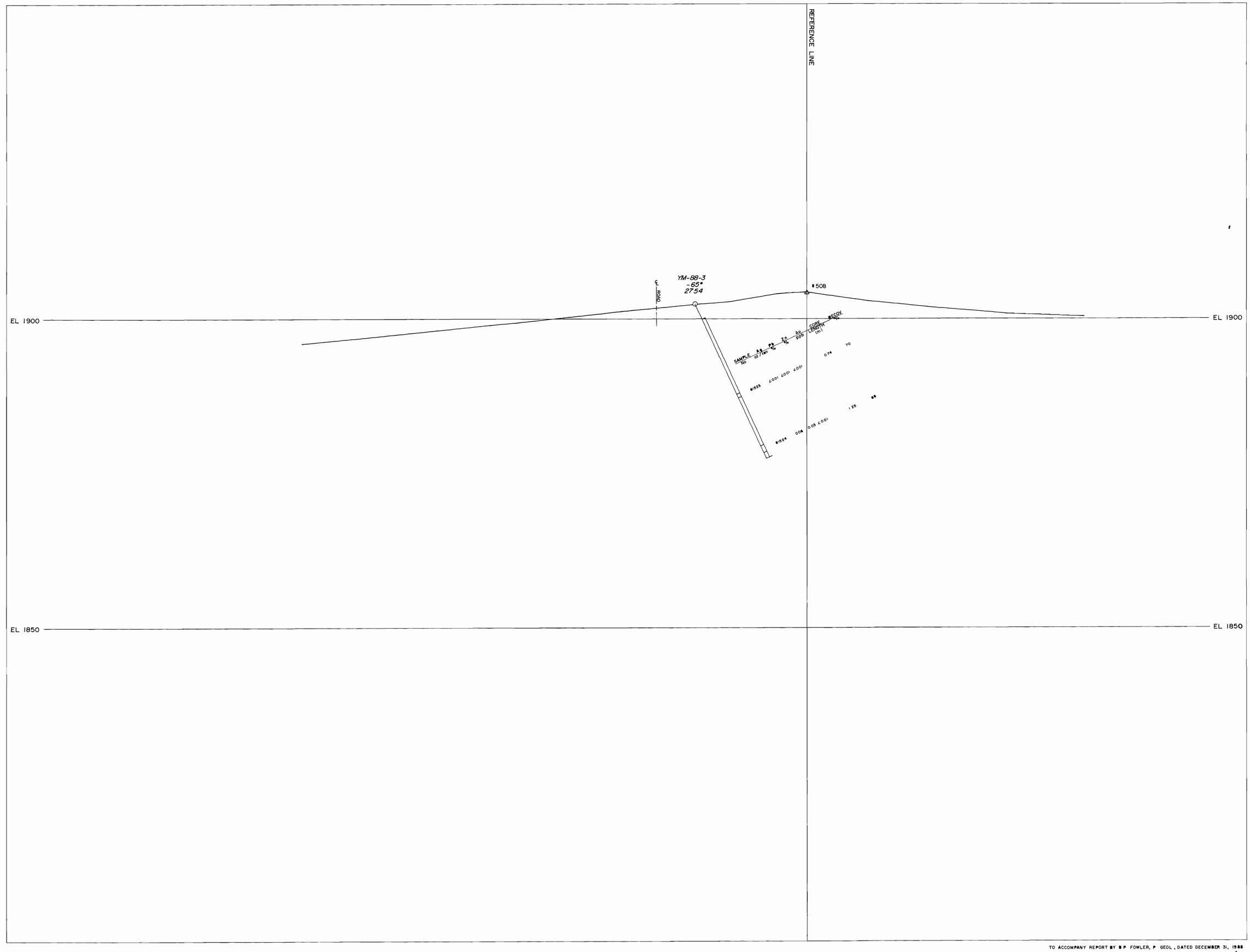
Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

GROUNDHOG ZONE
VERTICAL CROSS SECTION - 0 + 50 NW GEOLOGY
LOOKING N60°W

DATE DECEMBER 6, 1988 | TECH. B F | DWG No GS - G3

DRAWN BY POLARIS CONSULTING, J.B



TO ACCOMPANY REPORT BY B F FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60° (INCLINATION)
65.00 (LENGTH - metres)

ASSAY SEQUENCE

SAMPLE No. | Ag (oz./ton) | Pb % | Zn % | Au ppb | CORE LENGTH | RECOVERY %
Cd (ppm) Where Applicable

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

NOTE.
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YUKON MINERALS – PERREX J.V.

KETZA PROJECT

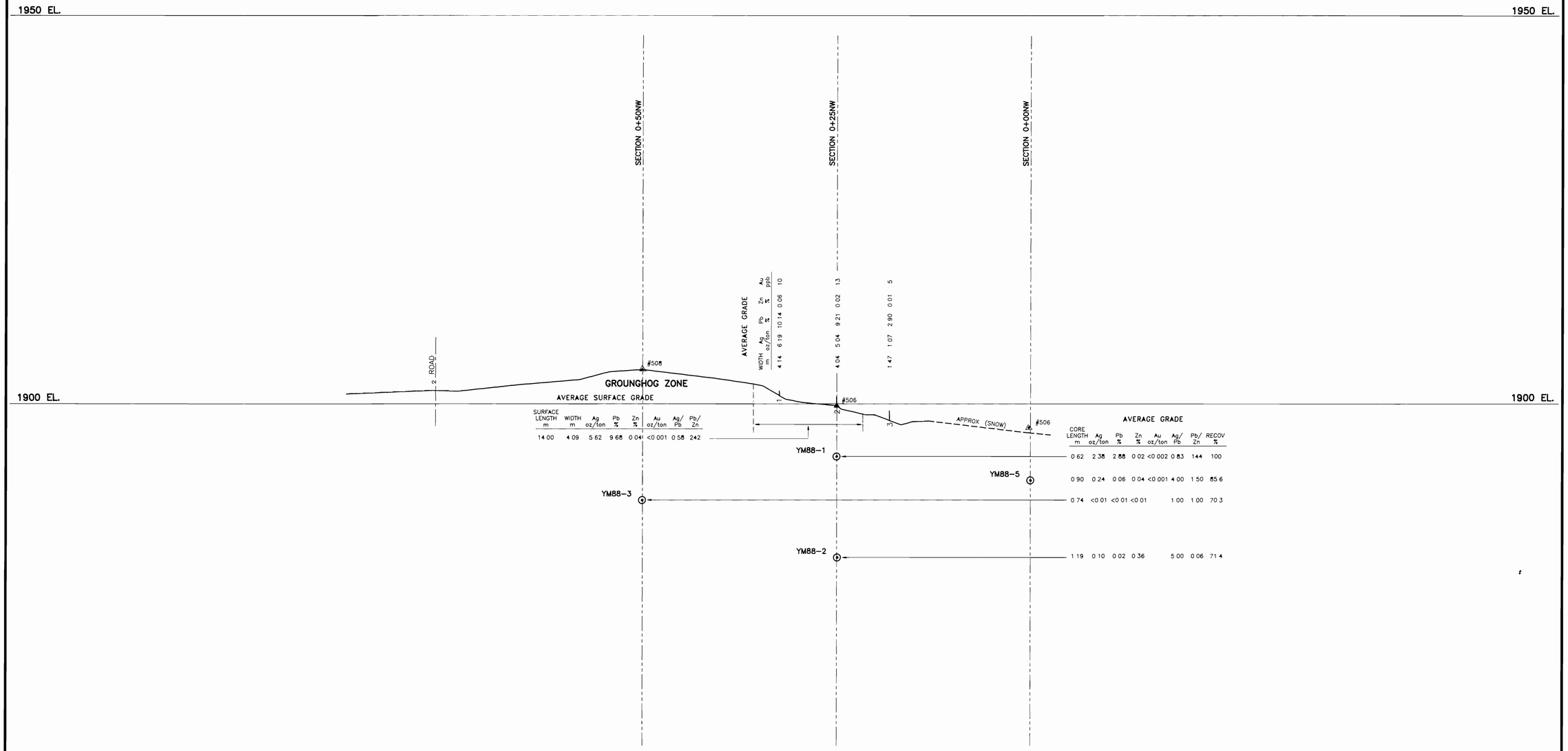
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

GROUNDHOG ZONE
VERTICAL CROSS SECTION - 0 + 50 NW ASSAY
LOOKING N60°W

DATE. DECEMBER 6, 1988 | TECH B F | DWG No GS - A3
DRAWN BY POLARIS CONSULTING, JB



REVISIONS

DRILL HOLE DATA

YM-88-5 (DRILL HOLE No.)
-60 (INCLINATION)
65.00 (LENGTH – metres)

ASSAY SEQUENCE: SAMPLE No | Ag (oz/ton) | Pb % | Zn % | Au (ppb) | CORE RECOVERY % (mm) where applicable

AVERAGE GRADE: HORIZ WIDTH | Ag (oz/ton) | Pb % | Zn % | Au (oz/ton) | Ag/Pb | Pb/Zn | RECOVERY %

LEGEND

CHANNEL SAMPLE DATA

Ag (oz/ton)
Pb (%)
Zn (%)
Au (ppb)

SAMPLE WIDTH (m)
SAMPLE No

TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL. DATED 31 DECEMBER 1988

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YUKON MINERALS – PERREX J.V.

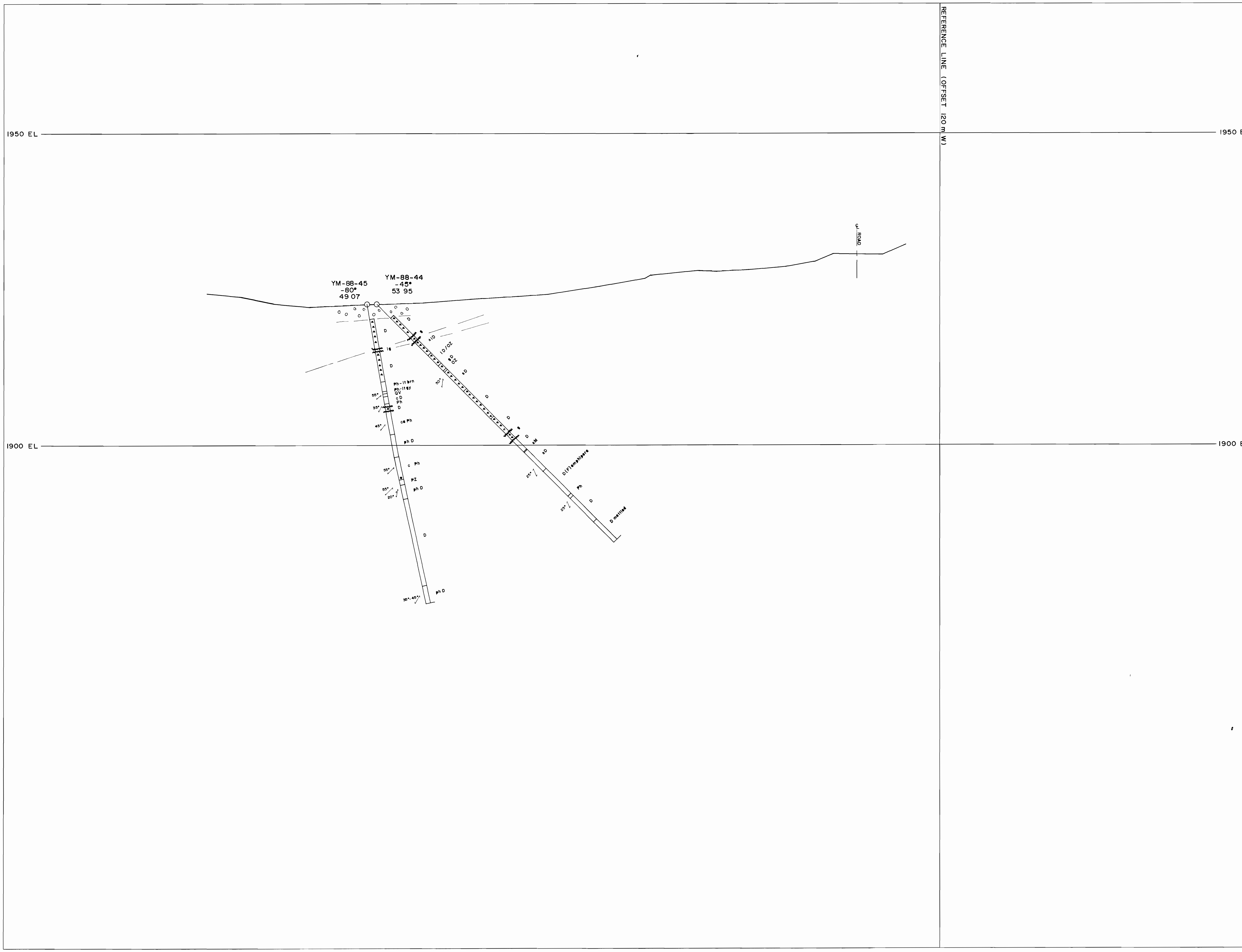
KETZA PROJECT
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N, LONG. 132° 52' W, NTS 105 F/10

Scale 1:250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

GROUNDHOG ZONE
LONGITUDINAL (ASSAY) SECTION LOOKING N 30° E

DATE DECEMBER 31, 1988 | TECH B.P.F. / R.H. | DWG No GL-A1
DRAWN BY NEW CONCEPT DRAFTING LTD



TO ACCOMPANY REPORT BY B P FOWLER, P GEOL., DATED DECEMBER 31, 1988

REVISIONS

LEGEND

LITHOLOGY

Ct CHERT
D DOLOSTONE
M MUDSTONE
Sh SHALE
Ph PHYLLITE
St SILTSTONE
Qz QUARTZITE/ARENITE
C CONGLOMERATE
A ANDESITE
S SYENITE

MINOR COMPONENTS

d DOLOMITIC
(F) FOSSILIFEROUS
s SILICIFIED
a ANKERITIC
c CALCAREOUS
g CLAY/GOUGE
b BLEACHED
m MANGANESE
h HEMATITE
l LIMONITE
ph PHYLLITIC
st SILTY
cb CARBONACEOUS

MINERALIZATION

▲ GALENA +/− SPHALERITE +/− TETRAHEDRITE IN BRECCIA
● GALENA +/− SPHALERITE +/− TETRAHEDRITE REPLACEMENT, FRACTURE FILLING
■ GALENA +/− SPHALERITE +/− TETRAHEDRITE − MASSIVE

Sp SPHALERITE
py PYRITE
VZ VEIN ZONE, massive, clotted, galena, +/− tetrahedrite +/− sphalerite +/− chalcopyrite +/− pyrite +/− scorodite +/− malachite +/− azurite +/− quartz/iron carbonate gangue
OZ OXIDE ZONE, gouge/breccia zone with >30% limonite matrix +/− massive clotted galena, sphalerite, pyrite
GZ GALENA ZONE, >1% clotted, disseminated galena +/− sphalerite, <30% limonite
SZ SPHALERITE ZONE, >1% clotted, disseminated sphalerite +/− galena, <30% limonite
PZ PYRITE ZONE, massive, clotted pyrite
QV QUARTZ VEIN, (no visible sulfides)

STRUCTURE

△ BRECCIA
FAULT WITH SENSE OF DISPLACEMENT, DOWN BLOCK
FAULT WITH DIP & DIP DIRECTION
35 FOLIATION & ANGLE TO CORE AXIS
35 BEDDING & ANGLE TO CORE AXIS
JOINTING
— − GEOLOGICAL CONTACT − OBSERVED, INFERRED
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Damph Amphipora +/− stromatoporoid dolostone
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Ds Silicified dolostone, fine grained, serecitic
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u€Ob Dark green mafic flow or sill

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l€csl Grey calcareous mica schist and marble

(modified after Templeman-Kluit, 1977)

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YUKON MINERALS − PERREX J.V.

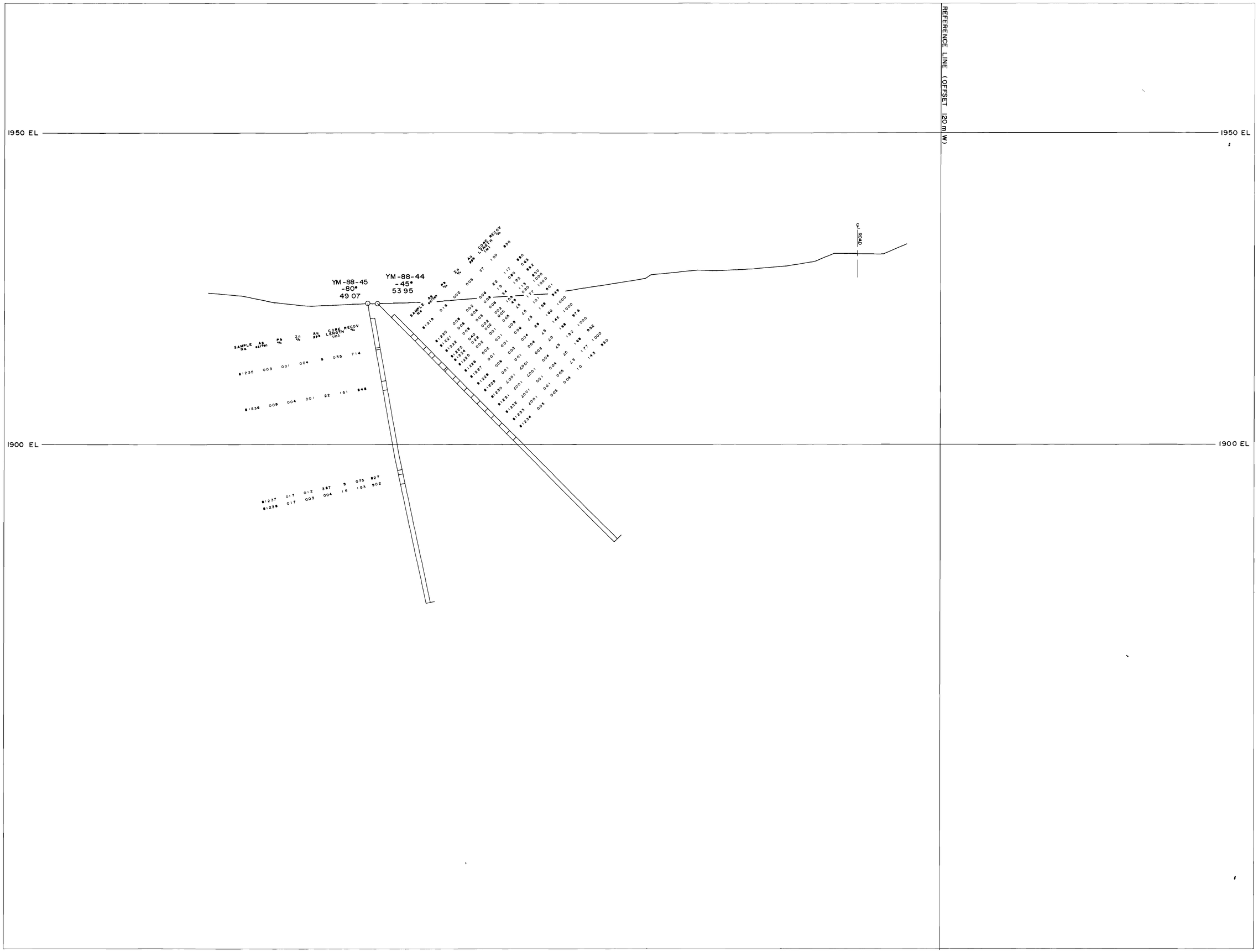
KETZA PROJECT

GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250
METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PT ZONE
VERTICAL CROSS SECTION - 11+97 N GEOLOGY
LOOKING N 32° W

DATE *DECEMBER 16, 1988* TECH *B F* DWG No *PTS-G1*
DRAWN BY *POLARIS CONSULTING , J B*



TO ACCOMPANY REPORT BY B.P. FOWLER, P. GEOL., DATED DECEMBER 31, 1988

REVISIONS

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YM-88-5 (DRILL HOLE No.)
-60 (INCLINATION)
65 00 (LENGTH - metres)

ASSAY SEQUENCE: SAMPLE No | Ag (oz./ton) | Pb % | Zn % | * Au ppb | * Cu (%) Where Applicable | CORE LENGTH | RECOVERY %

AVERAGE GRADE

HORIZ. WIDTH | Ag (oz./ton) | Pb % | Zn % | * Au (oz./ton) | Ag/Pb | Pb/Zn | RECOVERY %

* Cu (%) Where Applicable

LEGEND

CHANNEL SAMPLE DATA

Ag (oz./ton)
Pb (%)
Zn (%)
Cu (%)
Au (ppb)
SAMPLE WIDTH (m)
SAMPLE No

NOTE.
Elevations are Geodetic
All distances and elevations are in metres unless noted

YUKON MINERALS – PERREX J.V.

KETZA PROJECT
GROUNDHOG CREEK, YUKON TERRITORY
LAT. 61° 37' N., LONG. 132° 52' W., NTS 105 F/10

Scale 1 250

METRES 0 1 2 3 4 5 10 15 20 25 30 METRES
FEET 0 5 10 15 20 25 50 75 100 FEET

PT ZONE
VERTICAL CROSS SECTION - 11+97 N ASSAY
LOOKING N 32° W

DATE DECEMBER 16, 1988 | TECH B F | DWG No PTS-A1
DRAWN BY POLARIS CONSULTING, R H & J B