

92-080

# FWAL REPORT

During the 1992 field season I spent a good part of the summer looking in the Whitehorse area for competent, polishable stone to be used in the construction trades. Also well layered sandstone and shale used for building and landscaping.

Over a period of several months we visited sixteen different sites on the Whitehorse map sheet. Site #4, #2 and #7 all look good with #4 being the best suited to our needs.

On site #4 there appears to be two solid outcrops, the one to the east side is a very even grained pinkish brown granodiorite with good spacing between the fractures. To the west about 200 metres lies a moss covered slope under which lies a grey granodiorite with finger print size white orthoclase. Due to the fact that it is mostly covered with vegetation we could only measure fractures where some trees had blown down and had exposed bedrock. There are three fractures showing with 6 feet between one and 4.5 feet to the next one and running down to the north south lying fracture which is 11 feet at one side and 15 feet on the other. Both outcrops look very good for our needs with relatively good access and not to far from town. We have a land use permit on this site.

Site #2 on the McLean Lake Road in McLean Lake quarry area is a 200 metre long outcrop of solid, grey granodiorite with varied sizes of inclusions and also some banding of lime green stripes which run through healed fractures. This rock saws well and holds together during polishing and has a good shine when polished. This site is available through Y.T.G. lands as a quarry in the McLean quarry area.

Site #7 (Km3 Fish Lake Road East side) is a large out crop of greyish granodiorite with some green spots in it. There are several places along the showing that are accessible with good places to start drilling to remove stone. Towards the south end on the west side of the road lies some banding of thulite (zorsite) with some other green minerals surrounding it. It saws well, but sample was too fracturable to polish but if removed in large pieces would be very attractive. Most of this property lies on Bill Wallis's claims and he is willing to make some type of arrangement for removal of stone from this site.

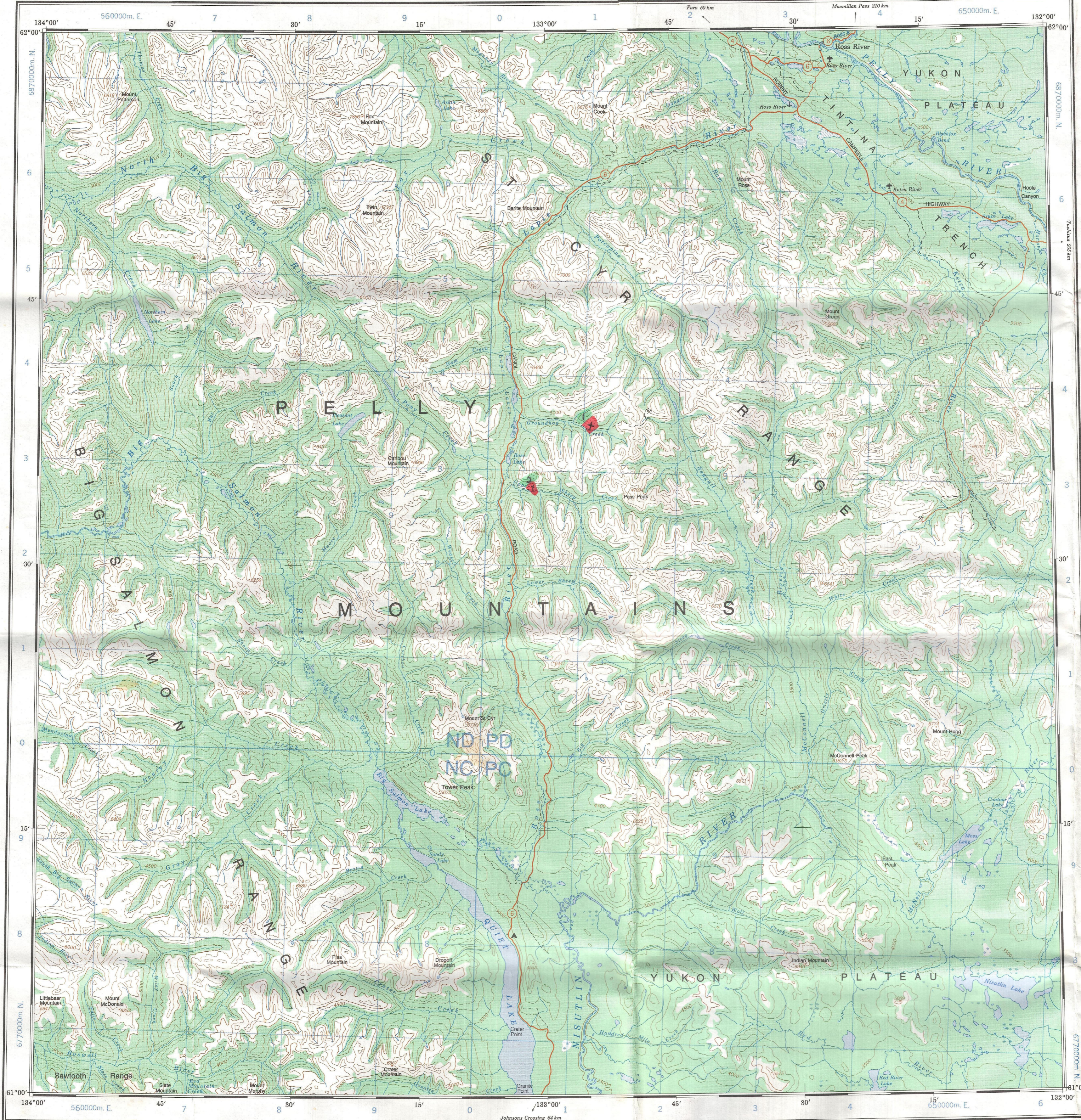
Site #14 also looks promising along side of the Alaska Highway near 37 mile road. Running west to Stony Creek lies a large granite hill with lots of outcrops of white coloured granite with biotite and hornblende crystals in it. It looks like a great place for a quarry but probably too close to the side of the highway to get permits on.

Site #10 is a type of black shale outcropping in a road cut on the side of the Tagish Road. It is a very attractive looking hard stone that is black with thin rusty red lines running through it. This type of stone could be used in landscaping and as exterior building stone. Due to ground cover it is hard to tell the amount at this site. This site is covered by land claims by the Carcross Indian Band.

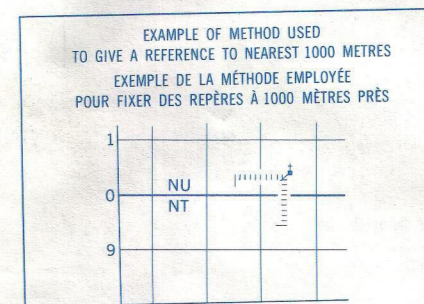
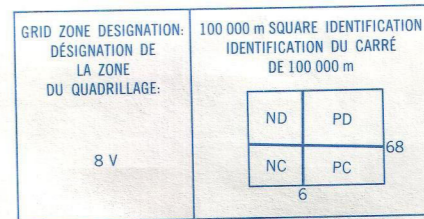
In August we applied for a land use permit on site #4. During that month we removed two samples to test with the loader and truck. Both stones proved to be solid and clean (no fractures or inclusions) and they take a good polish. We have now applied for a quarry lease on this site. I think that the pinkish coloured granite has a very good potential to be exported out of the country but much more work needs to be done on this site to determine its true size and value as a marketable stone.

92-080

Military users, refer to this map as: **SERIES A 502 SERIE**  
Référence de cette carte pour usage militaire: **MAP 105 F CARTE**  
**EDITION 3 MCE ÉDITION**



TEN THOUSAND METRE  
UNIVERSAL TRANSVERSE MERCATOR GRID  
ZONE 3  
QUADRILLAGE UNIVERSEL TRANSVERSE DE MERCATOR  
DE DIX MILLE MÈTRES

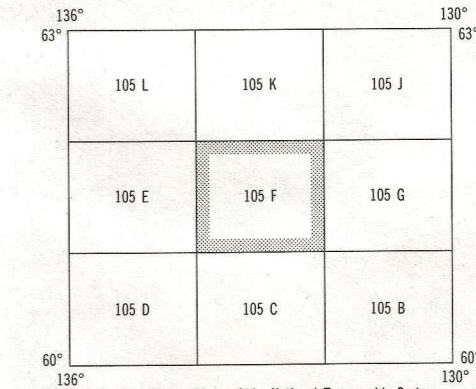
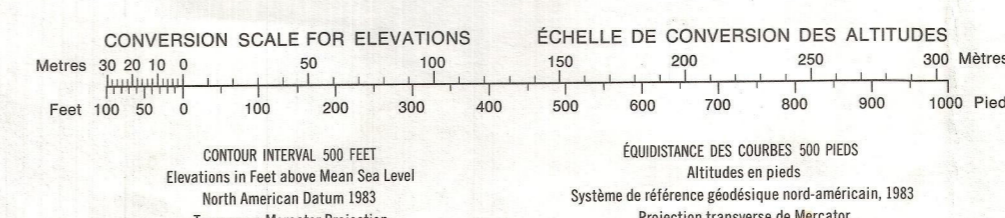
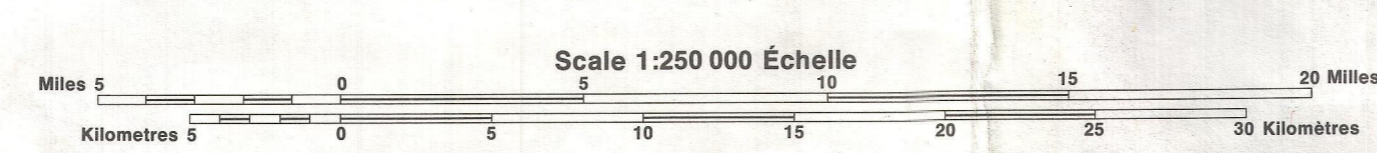


REFERENCE POINT CHURCH - EGLISE (as above) (ci-dessus)  
SQUARE: Read letters of 100 000m square CARRÉ: Lire les lettres du carré de 100 000m  
EASTING: Read number on grid line immediately to left of point. ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère.  
NORTHING: Read number on grid line immediately below point. ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère.

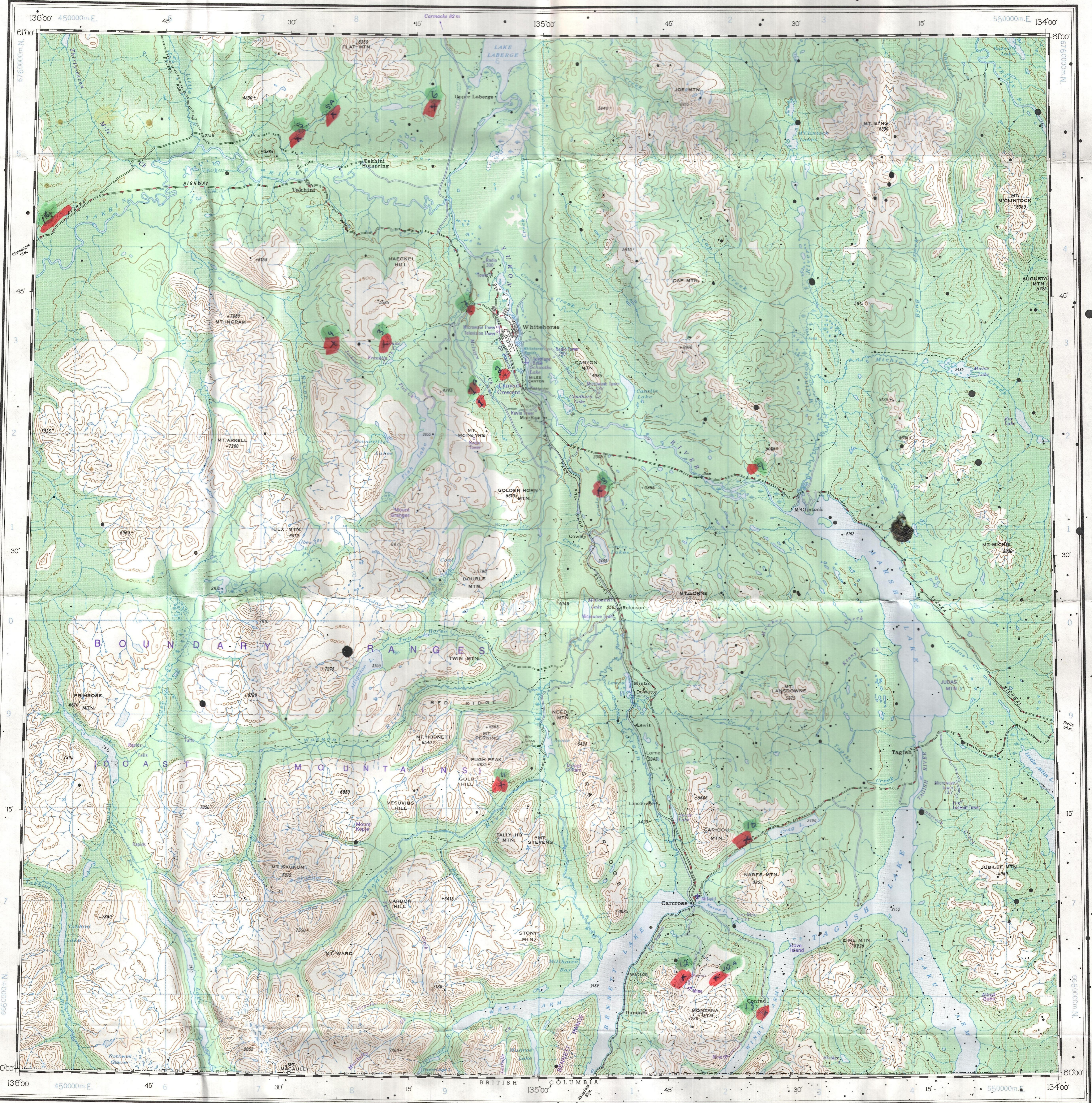
1967  
1976  
Updated for features visible on 1989 satellite imagery.  
Mis à jour pour illustrer les éléments cartographiques visibles sur les images satellite de 1989.

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### QUIET LAKE YUKON TERRITORY TERRITOIRE DU YUKON



Military users, refer to this map as: **SERIES A 502 SÉRIE MAP 105 D CARTE**  
Référence de cette carte pour usage militaire: **EDITION 4 MCE ÉDITION**



**REFERENCE**

Road, loose surface graded and drained 2 lanes.....  
 Other roads.....  
 Trail.....  
 Railway (narrow gauge).....  
 Abandoned railway grade.....  
 Telephone or telegraph line.....  
 Building.....  
 School.....  
 Post Office.....  
 Provincial boundary and monument.....  
 Height in feet above mean sea-level.....  
 Glacier.....  
 Intermittent stream.....  
 Marsh or swamp.....  
 Sand or gravel.....  
 Contours (interval 500 feet).....  
 Contours (position approximate).....  
 Wooded areas.....

**100,000 M. SQUARE IDENTIFICATION**

MC	NC	670
NB	NB	50

**TO GIVE A REFERENCE TO NEAREST 1000 METRES**

EXAMPLE: ROAD JUNCTION

SQUARE: Read letters of 100,000 m. square NC

EASTING: Read number on grid line immediately below point Estimate tenths of a square from this line eastward to point.

NORTHING: Read number on grid line immediately below point Estimate tenths of a square from this line northward to point.

MILITARY GRID REFERENCE (to nearest 1,000 metres) NC 0718

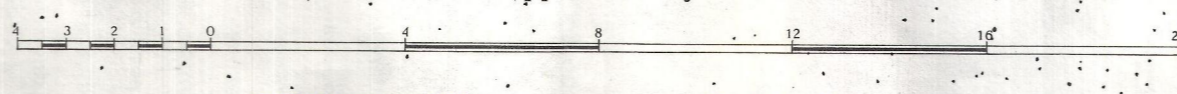
If reporting beyond 18° in any direction, prefix Grid Zone Designation as: 8V NC 0718

MAP 953A

# WHITEHORSE

## YUKON TERRITORY

Scale: 1/250,000 or Approximately 4 Miles to 1 Inch



Published 1949, Surveyed, 1944 and compiled, 1947 by the Topographical Survey. Lithographed and printed by the Army Survey Establishment R.C.E., Department of National Defence, 1949.

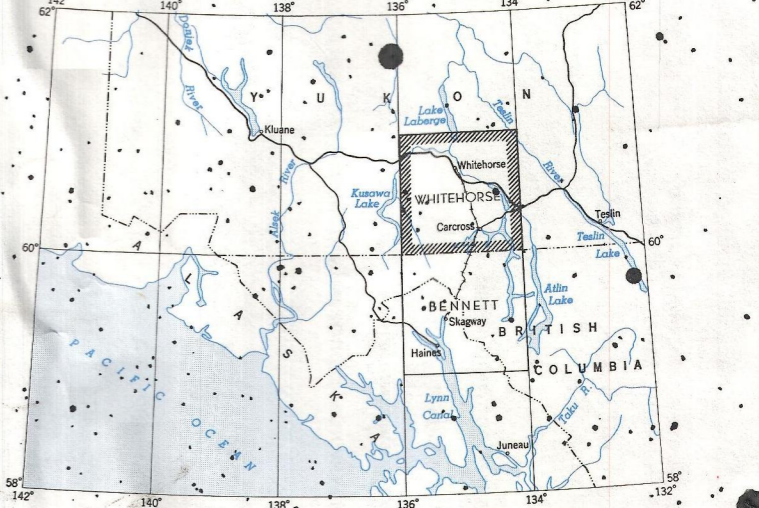
**ROADS-ROUTES:**  
 hard surface - pavé.....  
 loose surface - de gravier.....  
 cart track - de terre.....  
 trail - sentier.....

**Interim Corrections 1979**  
 Magnetic declination 1979 varies from 30°42' easterly at centre of west edge to 31°09' easterly at centre of east edge. Mean annual change decreasing 2.4".

**Corrections Provisoires 1979**  
 La déclinaison magnétique pour 1979 varie de 30°42' Est au centre de la limite Ouest à 31°09' Est au centre de la limite Est. Variation moyenne annuelle décroissante 2.4".

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

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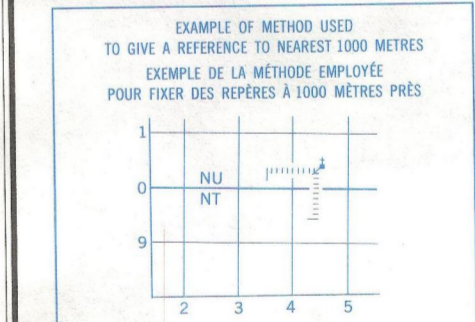
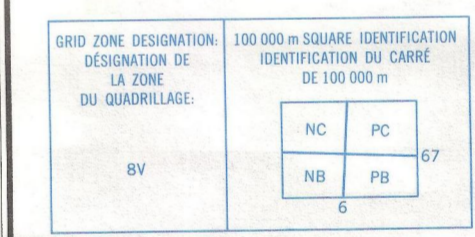


TEN THOUSAND METRE  
 UNIVERSAL TRANSVERSE MERCATOR GRID  
 ZONE 8



Military users, refer to this map as: **SERIES A 502 SÉRIE**  
 Références de cette carte pour usage militaire: **MAP 105 C CARTE**  
**EDITION 3 MCE ÉDITION**

TEN THOUSAND METRE  
 UNIVERSAL TRANSVERSE MERCATOR GRID  
 ZONE 8  
 QUADRILLAGE UNIVERSEL TRANSVERSE DE MERCATOR  
 DE DIX MILLE MÈTRES



REFERENCE POINT CHURCH - ÉGLISE (as above) (ci-dessus)  
 SQUARE: Read letters of 100 000m square CARRÉ: Lire les lettres du carré de 100 000m NU  
 EASTING: Read number on grid line immediately to left of point. ESTIMATION: Note le chiffre de la ligne du quadrillage immédiatement à gauche du repère: 4  
 Estimate number of a square from this line eastward to point. Estimer le nombre de divisions du carré entre cette ligne et le repère en direction est. 5  
 NORTHING: Read number on grid line immediately below point. NORTHING: Lire le chiffre de la ligne du quadrillage immédiatement en dessous du repère: 0  
 Estimate number of a square from this line northward to point. Estimer le nombre de divisions du carré entre cette ligne et le repère en direction nord. 4  
 GRID REFERENCE: N14504  
 If reporting beyond 18° in any direction, prefix Grid Zone designation as: 14VNU4504  
 Si vous faites connaître votre position à quelque chose que se trouve à plus de 18°, peu importe la direction, indiquez également la zone du quadrillage tel que: 14VNU4504

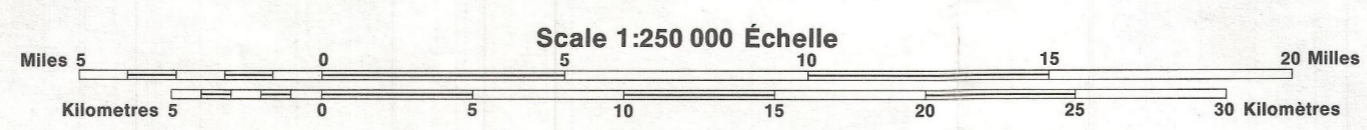
1971	1983
1979	1971
1981	1983
1948	1980

Updated for all major features using satellite imagery obtained in 1986.  
 Les principales caractéristiques ont été mises à jour à l'aide des images prises par satellite en 1986.

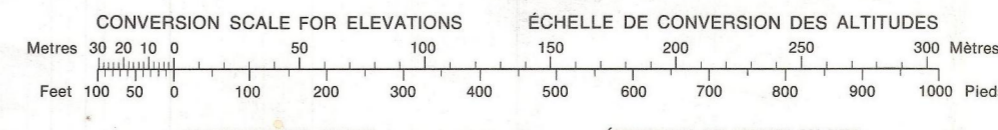
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Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Canada Centre for Surveying, Ottawa.  
 Pour tout renseignement concernant les repères de nivellement et les bornes géodésiques, prière de s'adresser à la Division des levés géodésiques, Centre canadien des levés, Ottawa.

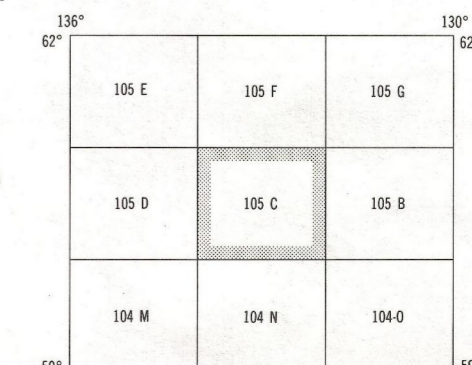
**TESLIN**  
 YUKON TERRITORY TERRITOIRE DU YUKON



Magnetic declination 1989 varies from 29°03' westerly at centre of west edge to 22°21' easterly at centre of east edge. Mean annual change decreasing 12.3'.  
 En 1989, la déclinaison magnétique varie de 29°03' vers l'est au centre du bord ouest à 22°21' vers l'est au centre du bord est. La variation annuelle moyenne diminue de 12,3'.



CONTOUR INTERVAL 500 FEET  
 Elevations in Feet above Mean Sea Level  
 North American Datum 1927  
 Transverse Mercator Projection



Index to adjoining Maps of the National Topographic System  
 Tableau d'orientation du Système national de référence cartographique