

**YEIP  
2008  
-030**

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**REGIONAL – NTS 116C  
MICKEY-YUKON HIGH TERRACES PROJECT**

**YUKON MINING INCENTIVES PROGRAM  
YMIP PROJECT 08-030  
(Focused regional)**

**April 1, 2008 – February 15, 2009**

**2008**

**PLACER CLAIM SHEET - 116 C 7**

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## **PROPERTY LOCATION and ACCESS**

The areas being prospected can be found on NTS map & placer claim sheet **116C-7** and is in the Dawson Mining District.  
*See Location Reference Map #1*

Access to area is from our base camp located in West Dawson, Yukon. The project area is reached by driving approx. 50 km (45 min. drive) west of Dawson on the *Top of the World Highway* (YTG Hwy # 9) to the *Clinton Creek Road*; then north-west approx. 30 km down the Clinton Creek Road. About 250 meters past the intersection of the road and Mickey Creek is where the field camp is located. From here, roads & trails access most locations defined in this report.

The main access roads to the various test sites can be traveled by car, truck or ATV, and some by tractor/trailers with heavy equipment. More remote prospecting sites in the area are accessible by ATVs & 4x4 trucks on trails/cat trails that require little to moderate brush clearing. Quite often these roads & trails have side cuts & clearings to access gravels and bedrock at many of the target locations. Helicopter support is about ½ hr. from Dawson City. Barging and/or small boat travel is also available to the area approx. 75 km downstream of Dawson City on the Yukon River.

## **DEPOSIT TYPE(S) & GEOLOGY**

These deposits are large gravel channels from ancient streams that flowed generally east and south as part of the Bell River system. This river system is considered to have been slow moving and deposited what is known as white channel in the Tertiary period, possibly, specifically late Pliocene. This floodplain deposit has been eroded by the stream erosion of the 40 Mile River and its tributaries, such as Clinton Creek, Mickey creek and Maiden Creek. Schist and quartzite are the predominant clast types with some granitic and white quartz clasts.

The white channel is reported to vary from a relatively thin layer 1 to 2 meters above bedrock to up to 65 meters thickness in some locations (such as in the Maiden/Mickey Creek area. Placer gold has been found in varying quantities in these high terrace white channel gravels.

There is more recent yellow or brown channel deposits, some from the outwash of glaciers. The medium and lower terraces are formed where existing rivers and creeks have flowed, concentrating and depositing the higher gravels into these benches over time. For sake of this report, they will be generically referred to as: *high bench, medium bench and low bench, or terraces.*

McConnell reports that gold in the high benches is more concentrated in the 2 meters above bedrock.

In the studied area the bedrock underneath the high gravels generally at the 1600 foot level.

The medium benches in the areas studied consist of a mix of gravels and weathered bedrock approximately 300 to 500 ft. above at the lowest benches above the Fortymile River and its lower tributaries. It is understood that these geological features contain eroded white channel gravels from above with re-concentrated placer gold.

The low benches and the current flood plain contain a mix of gravels eroded from above and contain concentrations of gold where it would be expected by examining the current and recent river and creek courses.

Gravels are various blends of smooth & rounded stones and pebbles, angular bedrock material, possibly talus, intermixed with sands, silts and clay.

## **OBJECTIVES**

The prospecting focus was planned to be on upper Mickey and Maiden Creeks and the creeks flowing north of Mickey Creek from the upper terraces into the Yukon River. The upper terraces are about 1500 ft. to 1800 ft. in elevation, and some contain some white channel. As well, the creeks that have eroded through these elevations will be prospected for indication of white channel from the terraces above. Any gold should be concentrated somewhat in these creeks as well. This would indicate gold is present in the benches above.

The main project objectives for the YMIP 08-030 were successfully completed by October 2008. Promising discoveries in certain locations in the Mickey Creek valley and its upper benches resulted in concentrating efforts there. The valleys and gulches flowing into the Yukon River were not prospected this year.

However many of the original objectives of the 2008 project were achieved. The potential for placer gold deposits in white channel were evaluated. After preliminary reconnaissance and sampling there was follow-up sampling focusing on locations that showed promise. Detailed records and maps showing locations of all test holes and sample locations were kept.

Logistics and plans for more extensive work, drilling and bulk sampling in the future are being made and an exploration plan developed.

## **EQUIPMENT USED**

- 4x4 Chev ¾ ton
- 4' long sluice with 2" pump
- 4x4 ATV
- chainsaws
- Hand held GPS's
- Hand shovels and gold pans
- Laptops & scanners

## **METHODOLOGY & WORK PERFORMED**

This area survey was conducted by truck, ATV and foot, with the aid of GPS and mapping programs. Access to some target areas underwent brush clearing on existing trails.

Existing road/trail cuts and naturally eroded locations were a good source for hand sampling. Sites with gravel contact atop bedrock were found and sampled. An existing access road to the 1600 ft. bench was cleared and used. On the left limit of upper Mickey Creek a camp was set up at the 1400 ft. level and prospecting done in that area.

Some field placer samples were transported to, and stored at the Mickey Field Camp and some in Whitehorse. Means of transportation was by truck and occasionally by ATV. Hand excavation, sluicing and traditional panning techniques were used for the summer season, which has resulted in more targets for drilling or digging with a hoe being determined for future programs. GPS was used to locate and map test sites.

### **Concentration Procedure:**

Creek panning was done on site or at base camp. Processing of samples was done by washing/screening through a ½" sieve and then fed through a 4 ft long, portable sluice with Hungarian riffles, expanded metal mesh overlaid on synthetic carpet matting. The resulting concentrate was then panned. Many of the creek side samples bypassed the screen and sluice, going straight to the gold pan.

## **RESULTS & CONCLUSIONS**

There is indication of white channel gravel with gold in the flat terraces between the Yukon River and Mickey Creek to the south-west, and between Mickey and Maiden Creek to the further south-west. The left limit of maiden creek was sampled. Significant gold was not found, but this area needs more prospecting.

To do more exploring and prospecting is necessary to find and systematically map the extent of the white channel and determine its depth and gold content. Hand digging and testing followed by drilling and using a hoe on good targets would be best.

Placer gold has been historically mined in the Forty Mile River and its tributaries since 1886. The type of deposit is placer gold that was likely eroded from the tertiary gravels from the high level terraces.

This is being confirmed. These high terraces are remnants of continuous river floodplain deposit, much of which has been removed by stream erosion. The placer gold has concentrated and deposited in terraces and benches at various lower levels as stream erosion continued. There are anomalous gold values in this area (35 to 1050 ppb).

The results of the prospecting completed confirms the presence of large deep white channel deposits at and above the 1600 ft. level in the area the project covers. The lower bench that was tested extensively has potentially economic levels of gold present. Other benches of streams that cut through the high ancient streambeds that bear gold would have gold deposits as well. The specific gold deposits grade and locations depend upon the streams' courses as they eroded and deposited gravel with gold at lower levels through time.

More detail information on the work done and the results can be seen on the sample location maps and the sample list.

## **RECOMMENDATIONS**

Targets evaluation should be done with auger drill program and with a backhoe along existing road that goes up to the benches. The locations where gold values were found are targets for more systematic sampling, testing and evaluating.

Grassroots exploration and prospecting should be continued along Mickey and Maiden Creeks' benches and gulches with the goal of finding targets for systematic sampling, testing and evaluations. In the next program soil and stream sampling and geo-chemical testing should be done to check for gold and other minerals.

Further grassroots prospecting should be done in benches and in the creeks and gulches that flow into the Yukon River from the Mickey Creek north-east bench, as well as other creeks and gulches up and down the Yukon River, on both sides of the river.

These locations can be accessed by foot, by ATV, by boat, and possibly by helicopter. There is an approved plan to put a road into the area north-east of the Yukon River from Dawson City.

## 2008 Sample List - Regional NTS 116C Project (YMIP 08-030)

See attached Map Reference Sheets (NTS 116C07)

Samp#	Gold Count	Size (c.ft.)	Details/Indicators	Depth/Location
1	0	0.10	Silt,clay. Frozen@12"	6-12"@Pup (1600')
2	0	0.10	Silt,clay. Frozen@12"	6-12"@Pup (1600')
3	0	0.35	Sand,silt,clay. Frozen@18"	12-18"@Pup (1600')
4	0	0.10	Some BS & WCI	6-12"@Bottom of Pup
5	0	0.20	High BS & WCI	Confl. Of Mickey/Pup
6	0	0.10	"	Confl. Of Mickey/Pup
7	0	0.10	"	6-12"@crk
8	1ssp,1msp	0.10	"	Snipe in Mickey Crk.
9	1ssp	0.10	"	Snipe in Mickey Crk.
14	0	0.10	Some BS & WCI, Froz.@12"	6-12"@crk
16	1ssp	0.10	High BS & WCI	"
18	0	0.10	High BS & WCI	"
20	0	0.20	Little BS	36-42"@crk
21	1ssp	0.10	Medium BS	6-12"@crk
22	0	0.10	Little BS	"
24	0	0.10		6-12"@crk
25	0	0.10	Little BS	"
26	2ssp	0.10	Little BS	12-18"@crk
27	0	0.10	Medium BS	6-12"@trench@crk cut
28	0	0.10	Some coarse BS	12-18"@trench@crk cut
29	2msp	0.10	High coarse BS	18-24"@trench@crk cut
30	10ssp	1.00	Some BS	24-30"@trench@crk cut
31	5ssp	1.00	"	30-36"@trench@crk cut
32	1ssp	0.67	"	36-40"@trench@crk cut
33	0	0.20	"	6-12"@crk
34	0	1.00	"	6-12"@trench@crk cut
35	0	0.10	"	30-36"@trench@crk cut
36	1msp,1lsp	0.10	Medium BS	36-42"@trench@crk cut
37	1lsp	0.10	"	42-46"@trench@crk cut
43	0	0.10	Medium BS	16-24"@Grav pit
44	0	0.25		6-12"@crk
45	0	0.10		6-12"@crk
47	0	0.25	WC. High BS & Garnet	0-6"ab@1600' Trench 1
48	0	0.50	WC. High BS & Garnet	6-12"ab@1600' Trench 1
49	0	0.50	WC. High BS & Garnet	12-18"ab@1600' Trench 1
50	5ssp,1lsp,3sfl	1.20	WC. High BS & Garnet	8-16"ab@1600' Trench 1
51	2ssp,2msp,1lsp	1.20	WC. High BS & Garnet	0-8"ab@1600' Trench 1
52	4ssp,2msp,5lsp	1.20	WC. High BS & Garnet	0-8"ab@1600' Trench 1
53	3ssp,1lsp	1.80	WC. High BS & Garnet	16-26"ab@1600' Trench 1
54	4ssp,1lsp,2sfl	2.40	WC. High BS & Garnet	8-16"ab@1600' Trench 1
55	6ssp,2msp,2sfl	0.70	WC. High BS & Garnet	0-8"ab@1600' Trench 1
56	3ssp,2msp,2lsp	2.40	WC. Some BS & Garnet	12-18"ab@1600' Trench 1
57	1ssp	2.40	Graph.Schist Bedrock	0-8"bb @1600' Trench 1
58	2ssp,2msp,2mfl	3.60	WC. Some BS & Garnet	7-16"ab@1600' Trench 1
59	3ssp,1msp,1mfl	2.55	WC. Some BS & Garnet	0-7"ab@1600' Trench 1
60	1lsp	0.20	Silt/Clay, Some WC.	34-38"ab@1600' Trench 2



1600ft. right limit Mickey Creek

61	2mfl	2.40	WC. High BS & Garnet	38-42"ab@1600' Trench 2
62	0	0.20	Silt/Clay, Some WC.	11-16"ab@1600' Trench 3
63	0	1.20	WC. Little BS & Garnet	0-11"ab@1600' Trench 3
67	0	0.25	Sand, Silt, Clay	18-24" (11' upslope)
68	0	0.20	Some GS & WCI	6-12"@crk
69	0	0.20	Some Talus, Hematite stain	6-12"@bedrock
70	0	0.50	Some Silt soils above WC.	20-25"@1600' Trench 4
71	0	0.70	WC. Little BS	25-30"
72	0	1.80	WC. Little BS	16-31"@1600' Trench 5
73	0	1.80	WC. Little BS	16-31"@1600' Trench 5
74	1ssp	1.80	WC. Little BS	16-31"@1600' Trench 5
75	0	1.50	WC. Little BS	16-31"@1600' Trench 5
76	1ssp	1.80	WC. Little BS	16-31"@1600' Trench 5
77	*	1.20	Not tested. Stored on site.*	16-31"@1600' Trench 5
98	1ssp,1sfl	0.25	Very Hi BS & Garnet	Snipe in Mickey Crk.
99	1ssp	1.30	High Garnet, Little BS,WCI	12-16"@Bottom of Pup
101	0	0.25	Some WCI.	12-16"@Bottom of Pup
102	2ssp,2lsp	0.45	Some WCI, High GS	18-24"@Slide by crk
103	0	0.20	High white talus. Low WCI	6-12"@bedrock
104	2ssp,1msp	0.70	High WCI	12-16"@Bottom of Pup
105	0	0.50	Med. WCI, Hi GS & Tan bed.	36-42"@crk
106	0	0.70	Some WCI. High silts	12-16"@Bottom of Pup
107	0	0.40	Medium WCI. High silts	20-24"@Bottom of Pup
108	1ssp,1msp,1lsp	0.40	Tan bed.outcrop.Hemat. stain	18-30"@bedrock
109	1ssp	0.20	High WCI	6-12"@crk
110	3ssp,1msp	0.20	High Tan bedrock & WCI	6-12"@dry Pup
111	3ssp,1lsp	0.40	Hi Tan bed. & WCI	16-24"@bedrock
112	0	0.20	Some Garnet	6-12"@bedrock
113	0	0.10		6-12"@crk
114	0	0.10		6-12"@crk
115	0	0.30	Sand,silt,clay,gravel	6-12"@Pup
117	0	0.20	Medium WCI	6-12"@Pup
118	0	0.70	Gravel, sand, silt. Some WCI	12-18"chann. In old works

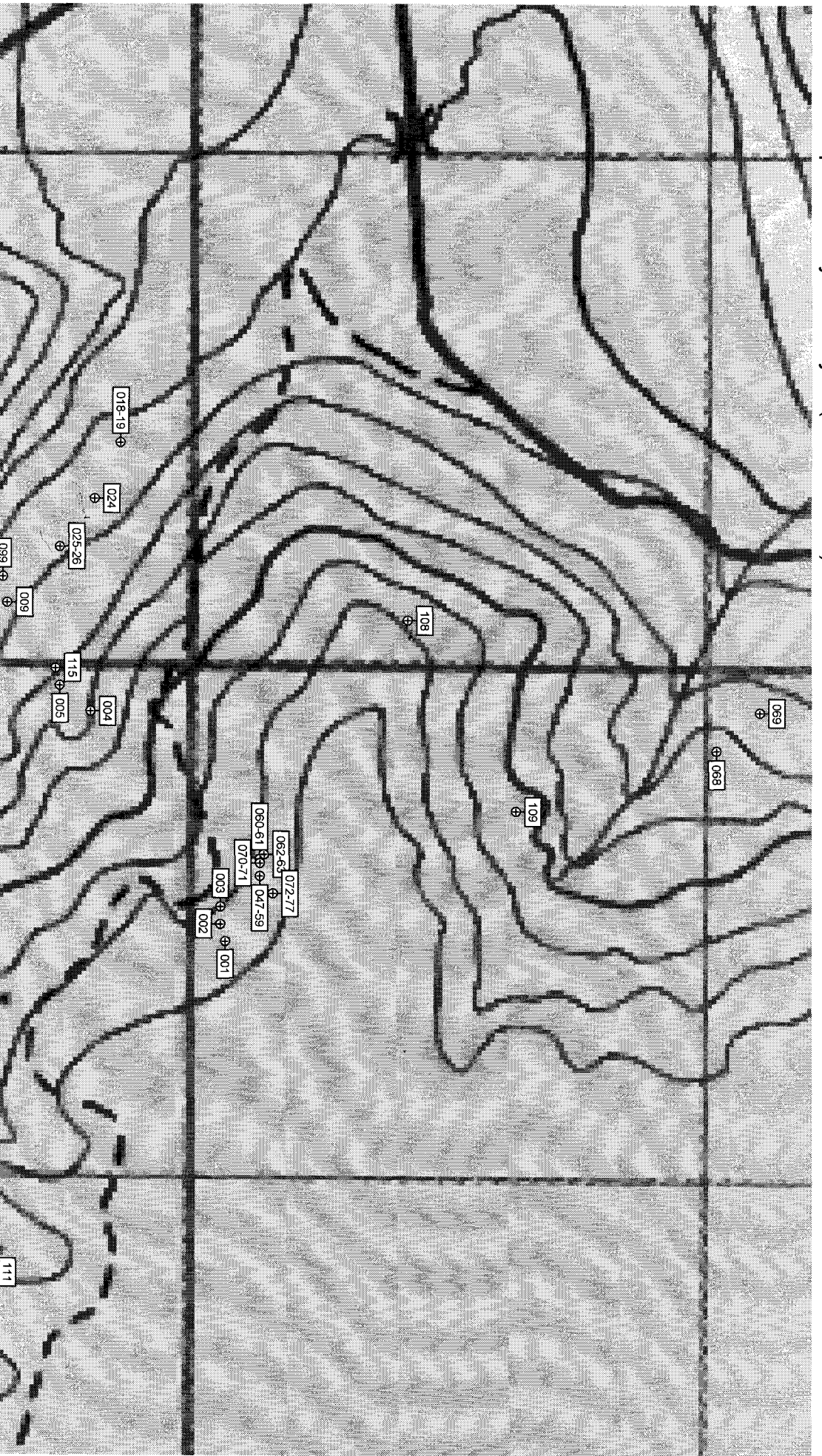
**GOLD COUNT GLOSSARY:**  
with approx. gold estimates

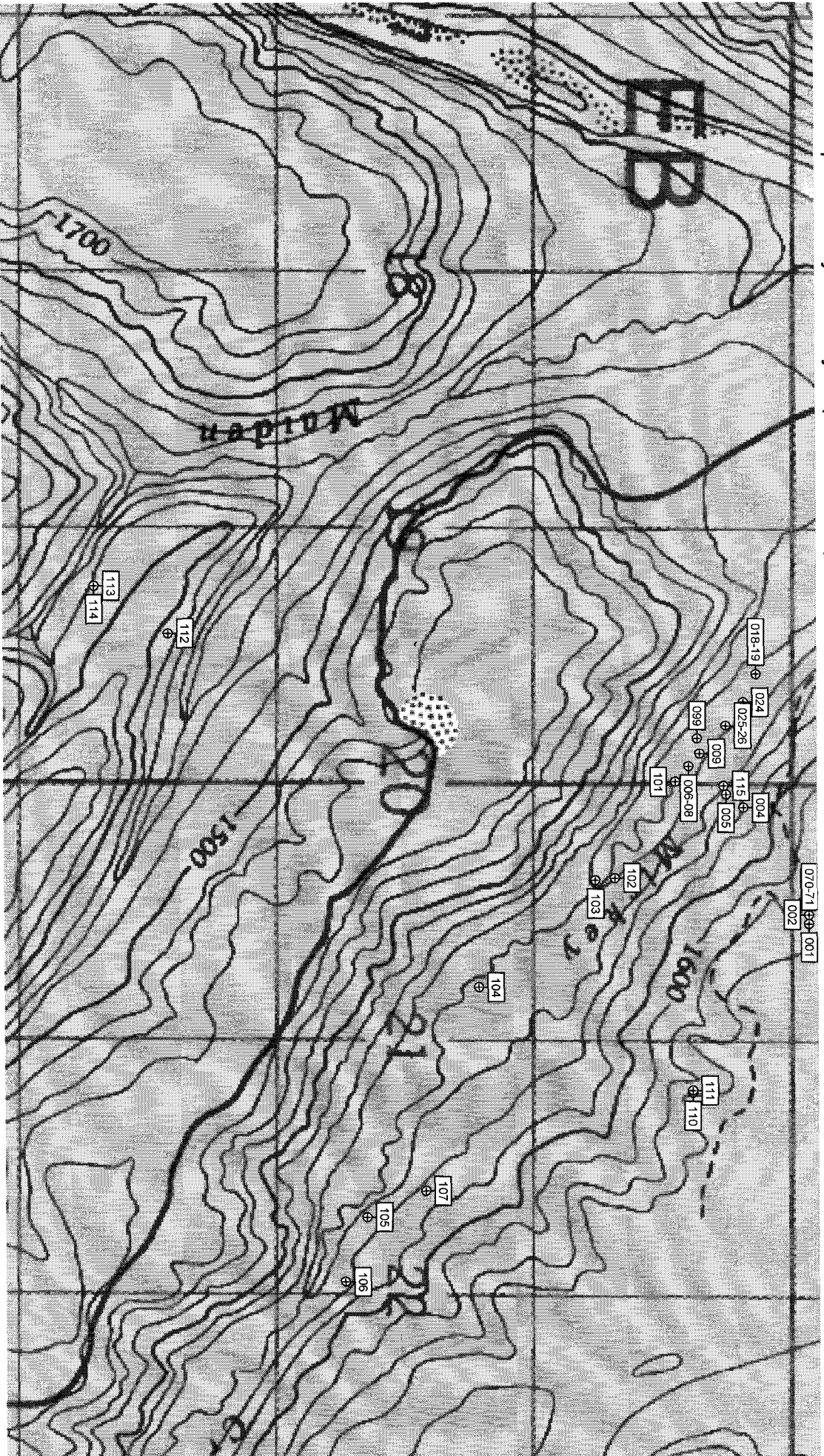
ssp=small speck	.02 mg.	sfl=small flake	.5 mg.
msp=medium speck	.05 mg.	mfl=medium flake	2 mg.
lsp=large speck	.15 mg.	lfl=large flake	5 mg.

**GENERAL GLOSSARY:**

BS=black sand	GS=graph.schist(bedrock)
WC=White Channel	Tan=(bedrock)
WCI=WC Indicators	ab=above bedrock
	bb=below bedrock









1600 ft. right limit Mickey Creek

Alaska



High Terraces + Mickey Maiden Creeks

To Dawson City



PRODUCED BY THE CANADA CENTRE FOR MAPS  
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 INFORMATION FOR CLIENTS AS TO NEW PUBLISHED MAPS  
 INFORMATION POUR LES CLIENTS SUR LES NOUVEAUX  
 CARTES RECENTEMENT PUBLIÉES EN ALASKA

**CLINTON CREEK**  
 CANADA UNITED STATES OF AMERICA  
 CANADA ÉTATS-UNIS D'AMÉRIQUE

Scale 1:50 000 Échelle  
 Miles 1 2 3  
 Kilomètres 0 1000 2000 3000 4000

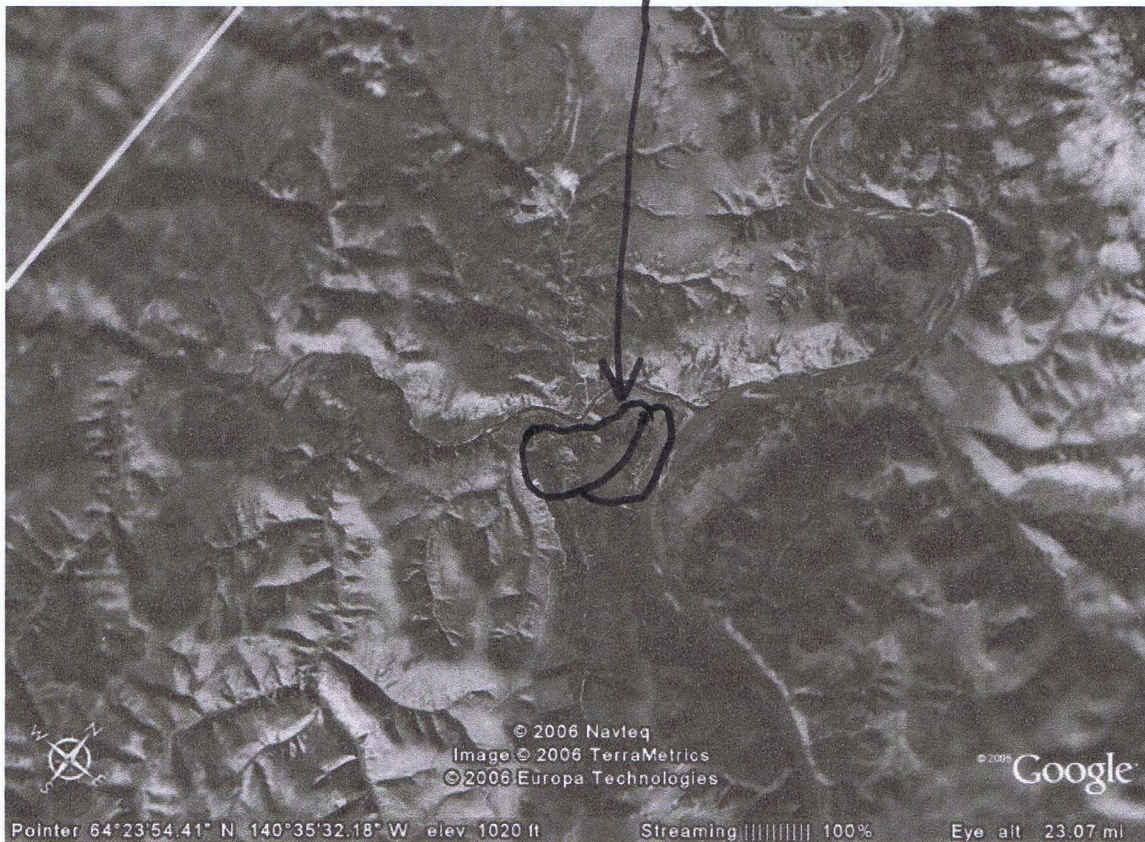
CONVERSION SCALE FOR ELEVATIONS  
 METERS TO FEET  
 Feet TO METERS

ÉCHELLE DE CONVERSION DES ALTITUDES  
 MÈTRES EN PIEDS  
 PIEDS EN MÈTRES

116C07 Edition 2 UTM Zone 7

Location Reference Map#2

# Mickey-Yukon High Terraces



↑  
Alaska/  
Yukon  
boundary

↘  
to Dawson ↗

Location Reference Map #1