INDIAN and NORTHERN AFFAIRS

TRANSMITTAL FORM

M.R. File No. _____
S.M.R. File No _____
Date Fwd. _____

FROM Mining Recorder at ..W.H.itehorse.....

TO Supervising Mining Recorder at Whitehorse, Y.T.

FOR ACTION ARE:

☐ NEW APPL'N for PLACER LEASE to PROSPECT: Name:

☐ RENEWAL APPL'N PLACER LEASE to PROSPECT: Name: Lease No. .....

☐ AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name. Lease No .....

☐ ASSIGNMENT of PLACER LEASE No. .....
From: To:

☐ GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.
Owner:

☑ DIAMOND DRILL LOGS:
Claims: TAY 106 AM 134 ETC. Claim sheet no: 105-L-9

☐ QUARTZ ASSESSMENT REPORT:
Claims: Claim sheet no

Type of report: Submitted by:
AMAX of Canada Ltd

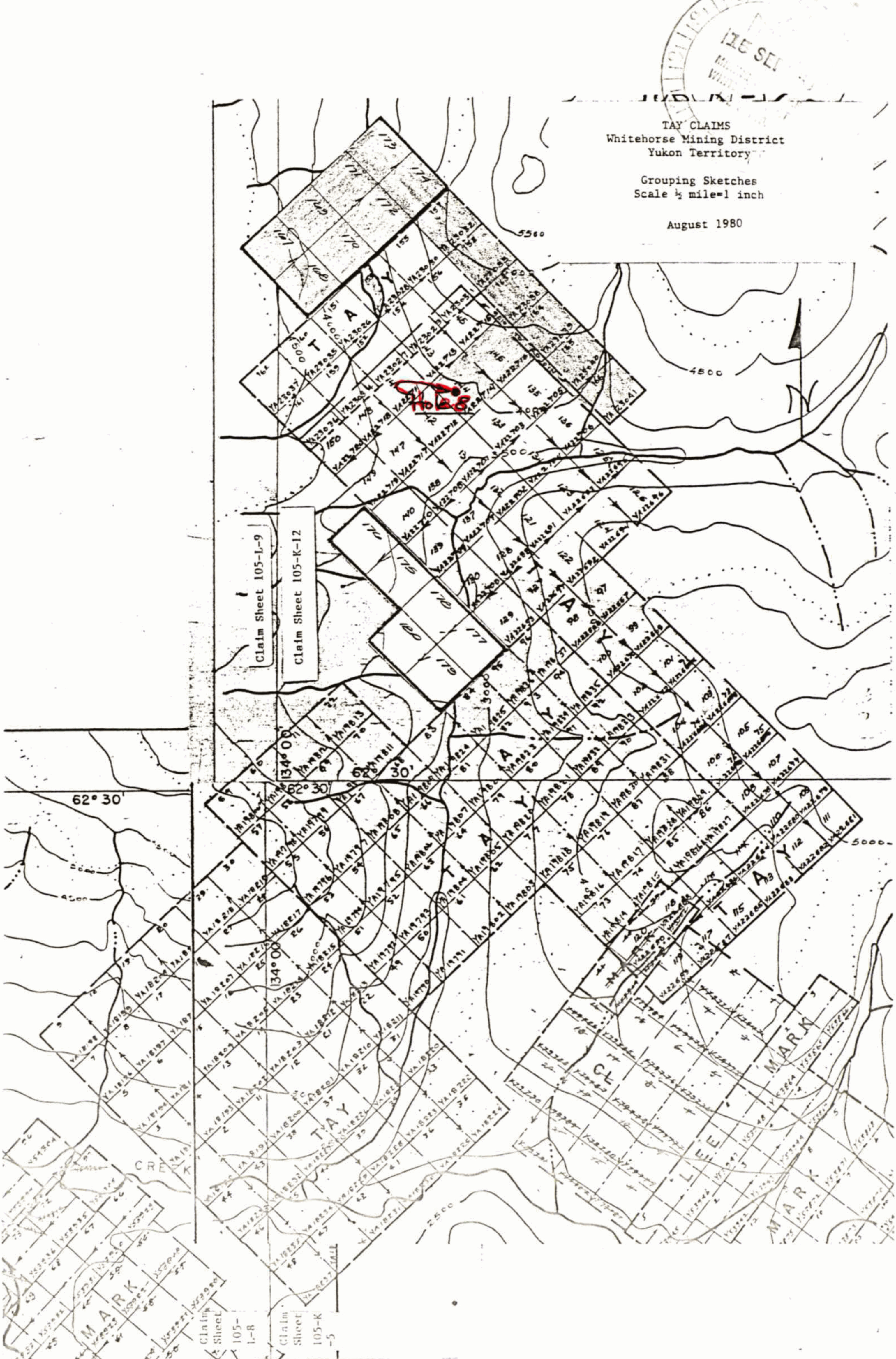
Cls. work performed on: $ Req. for ren. application

25 MAR 81
Signature

REPLY ACTION. Date Ret.

090825

Signature


TAY CLAIMS
Whitehorse Mining District
Yukon Territory
Grouping Sketches
Scale ½ mile=1 inch
August 1980
Claim Sheet 105-L-9
Claim Sheet 105-K-12
Claim Sheet 105-L-8
Claim Sheet 105-K-5
62° 30'
134° 00'
TAY
CREEK
MARK
CL
LEE
Hole 8
5500
4800
5000
4500

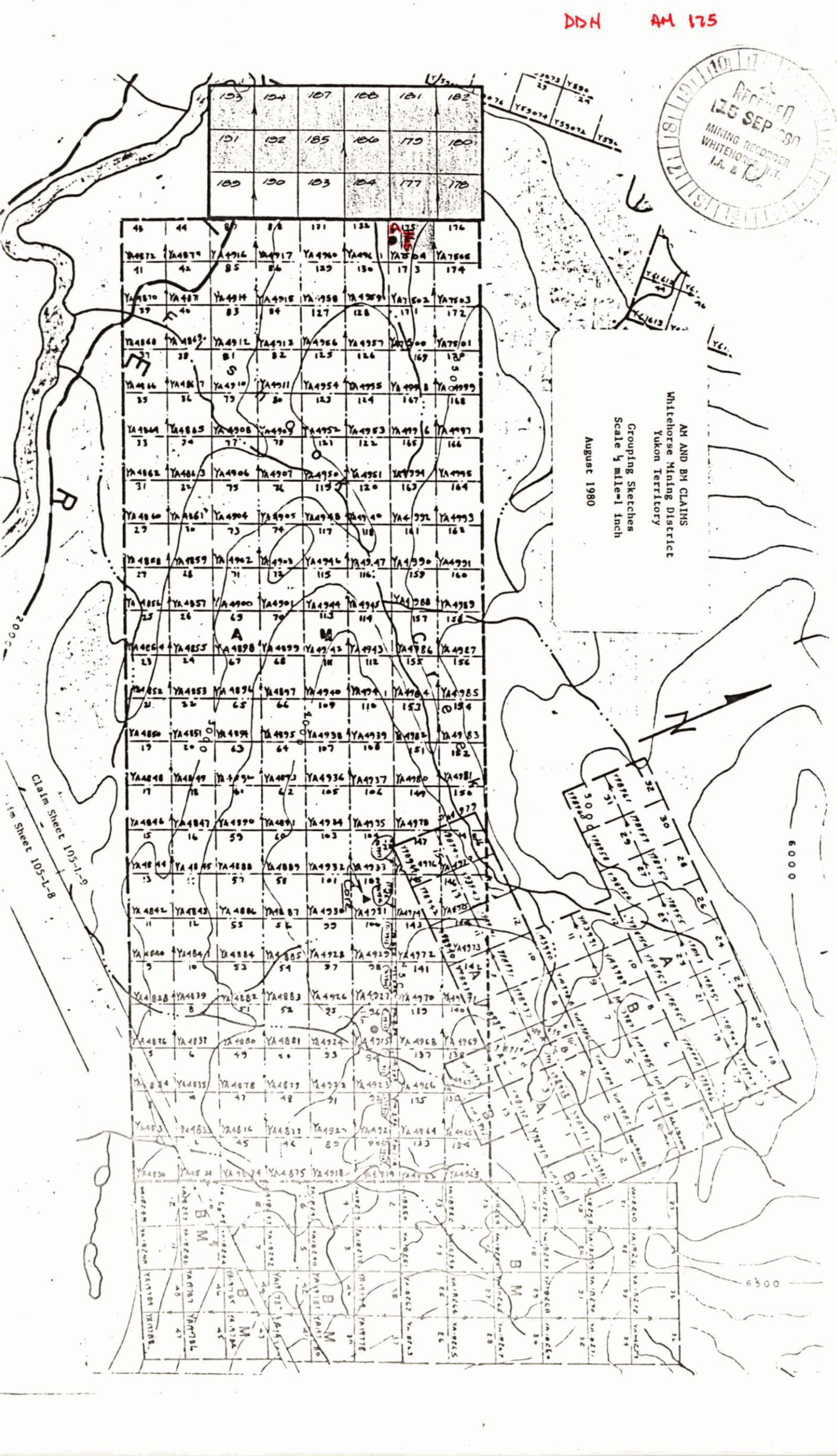
RECEIVED
15 SEP 1980
MINING RECORDER
WHITEHORSE, Y.T.

TAY CLAIMS J.A. & N.D.
Whitehorse Mining District
Yukon Territory

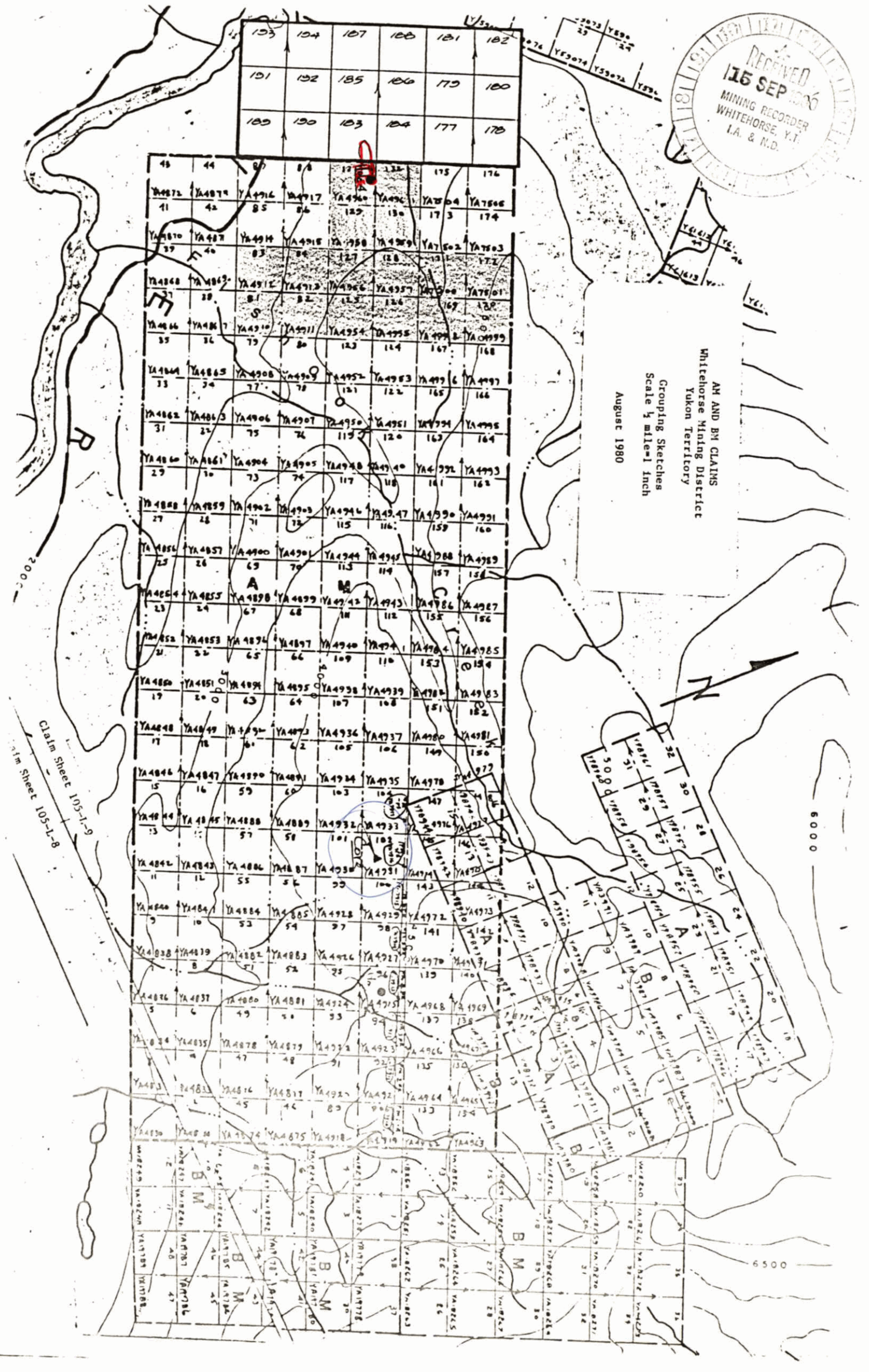
Grouping Sketches
Scale ½ mile=1 inch

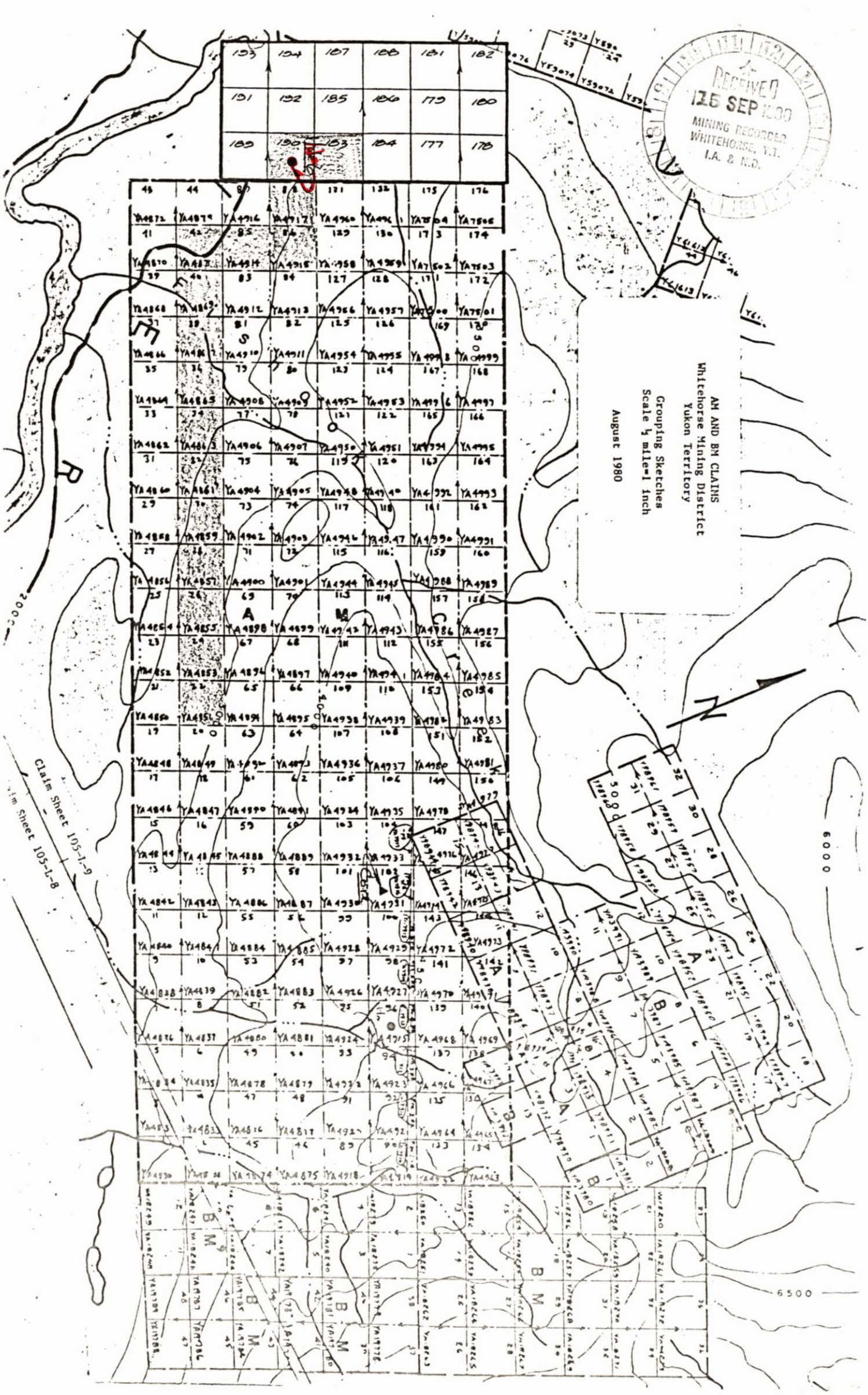
August 1980

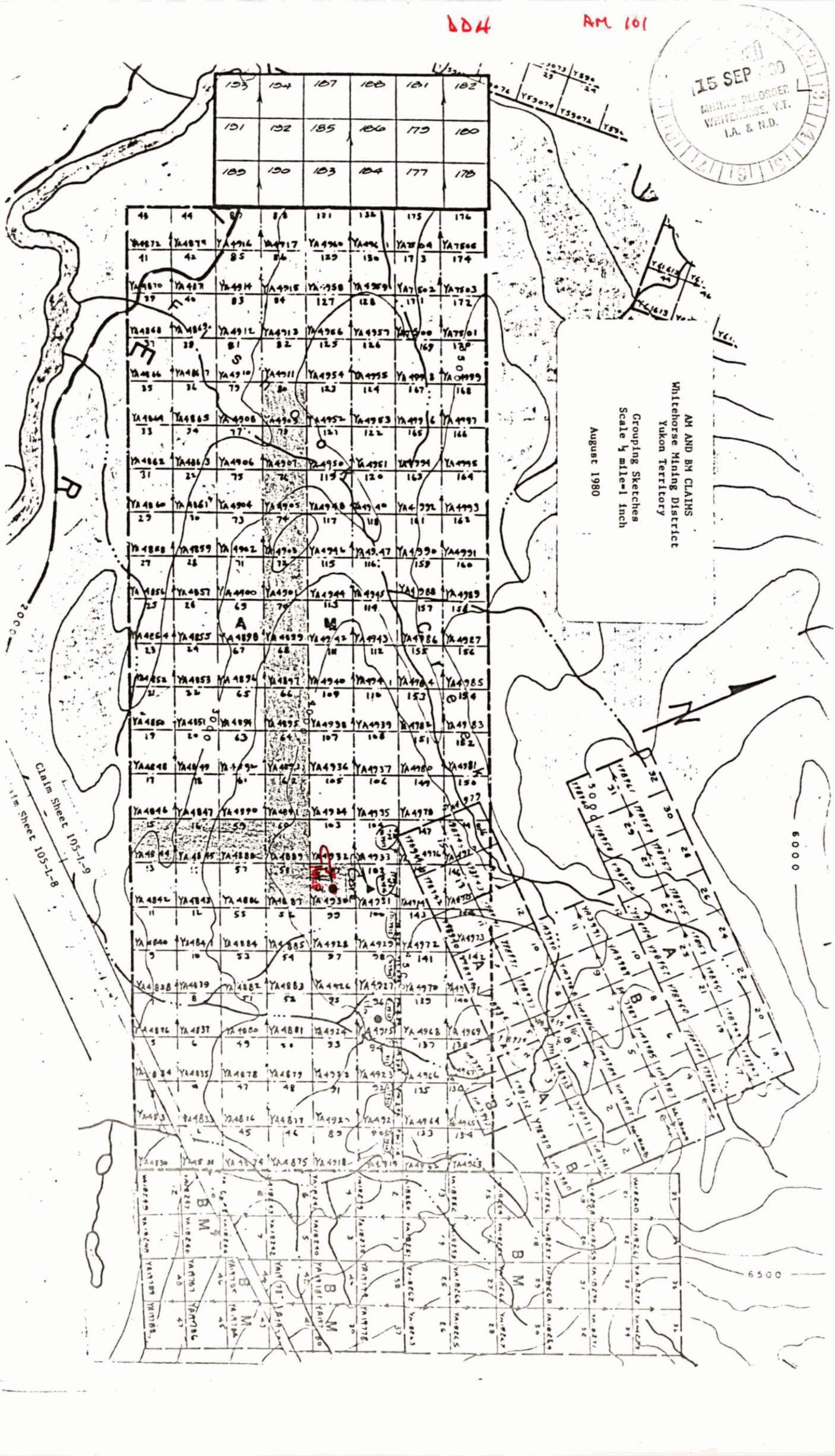
DDH AM 175


RECEIVED
12S SEP 1980
MINING RECORDER
WHITEHORSE, Y.T.
I.A. & D.
AM AND BM CLAIMS
Whitehorse Mining District
Yukon Territory
Grouping Sketches
Scale ½ mile=1 inch
August 1980
Claim Sheet 105-L-9
Claim Sheet 105-L-8
6000
6500

DBA AM 131

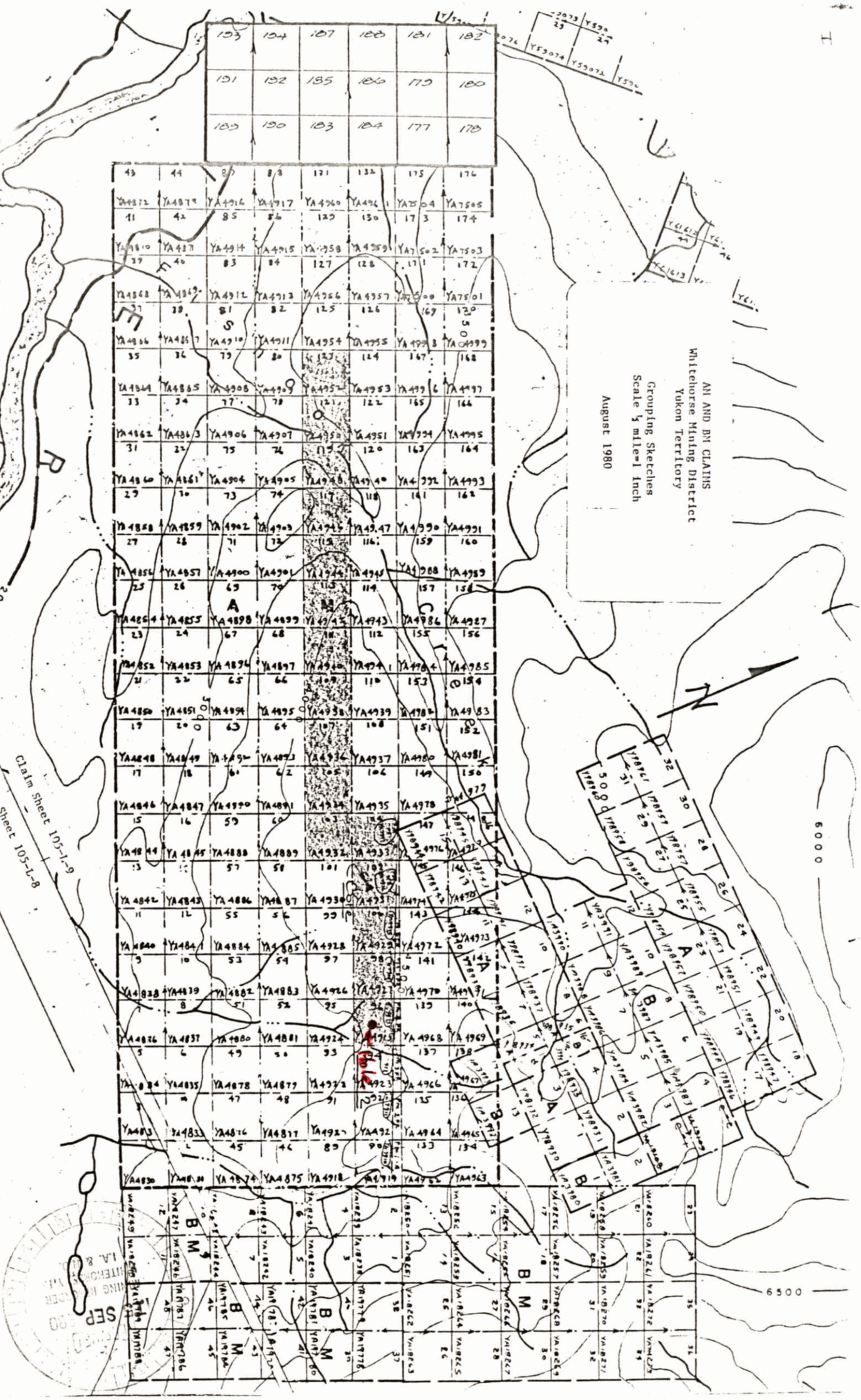

RECEIVED
15 SEP 1980
MINING RECORDER
WHITEHORSE, Y.T.
I.A. & N.D.
AM AND BM CLAIMS
Whitehorse Mining District
Yukon Territory
Grouping Sketches
Scale ½ mile=1 inch
August 1980
Claim Sheet 105-1-9
Claim Sheet 105-1-8
6000
6500


RECEIVED
25 SEP 1980
MINING RECORDER
WHITEHORSE, Y.T.
I.A. & N.D.
AM AND BM CLAIMS
Whitehorse Mining District
Yukon Territory
Grouping Sketches
Scale ½ mile=1 inch
August 1980
Claim Sheet 105-I-9
Claim Sheet 105-I-8
6000
6500


AM AND BM CLAIMS
Whitehorse Mining District
Yukon Territory
Grouping Sketches
Scale ½ mile=1 inch
August 1980
15 SEP
MINING RECORDER
WHITEHORSE, Y.T.
I.A. & N.D.
Claim Sheet 105-L-9
Claim Sheet 105-L-8
6000
6500

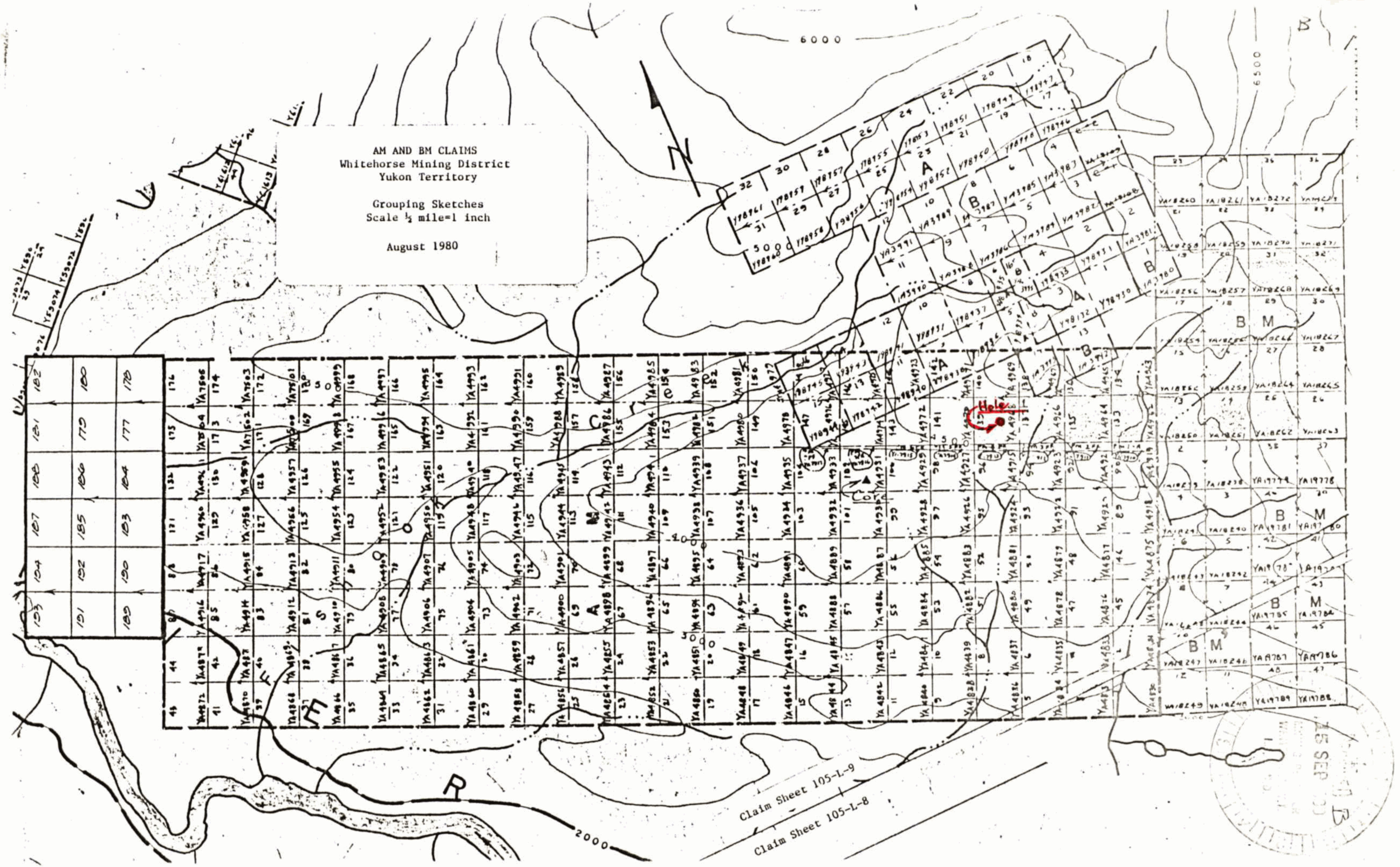
DDH

AM 96


AM AND BM CLAIMS
Whitehorse Mining District
Yukon Territory
Grouping Sketches
Scale ½ mile=1 inch
August 1980
Claim Sheet 105-1-9
Sheet 105-1-8
6000
6500

AM 139

DDH


AM AND BM CLAIMS
Whitehorse Mining District
Yukon Territory
Grouping Sketches
Scale ½ mile=1 inch
August 1980
Hole
6000
6500
5000
2000
Claim Sheet 105-L-9
Claim Sheet 105-L-8

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

090825

NAME OF PROPERTY Old Fishook
HOLE NO. AF-80-1 LENGTH 141 m (465 ft)
LOCATION Tay Mountain Area, Yukon Territory
LATITUDE 2500 ft N DEPARTURE Line 104+00 ft E
ELEVATION 1470 m AZIMUTH _____ DIP -90°
STARTED June 12, 1980 FINISHED June 14, 1980

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-90°	-			

HOLE NO. 1 SHEET NO. 1
REMARKS _____
LOGGED BY R. Zinn

METRES FROM	METRES TO	DESCRIPTION
0	3.6	OVERBURDEN
3.6	58	GRAPHITIC QUARTZITE-ARGILLITE: CONDUCTOR Unit consists of alternating thin laminae of dark graphitic argillite and whitish quartzite; 3.6 to 30m is broken up and weathered with iron staining on foliation planes; core recovery 3.6 to 30m - 70%, 30 to 58m - 95% Sulphides, predominantly pyrrhotite with minor pyrite and local trace chalcopyrite, average 2 - 4% overall; the sulphides occur as thin smears on foliation planes and as discrete blebs associated with quartz and as local quartz - sulphide concentrations; pyrite is invariably associated with quartz and is observed to rim and penetrate pyrrhotite clearly post-dated it. Three foliations are present in the core: the prominent S2 foliation averages 70° to 90° to core axis; there is a 2nd strong penetrative foliation parallel to c.a. ("S4") and a 3rd, poorly developed cleavage occasionally observed at 30° to c.a. Quartz concentrations at 41.8 m, 46.2m
58	141	SERICITIC QUARTZOSE PHYLLITE: Thin grey-black sericitic phyllite laminae alternating with whitish quartzite laminae; occasional quartz-chlorite patches and concentrations. Sulphides, mainly pyrrhotite with lesser pyrite, average 1 - 2% throughout this section. S2 foliation averages 65° to 85° to c.a.; core recovery is 95% +. 106.9 - 107.5; highly sheared-ground core quartz concentrations at 65.7, 99.3, 103.2, 107.8, 122.8 139m
141		END OF HOLE - Casing recovered

SAMPLE NO.	% SULPHIDES	METRES FROM	METRES TO	METRES TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
59528		5.2	4	1.2	275	6	88	0.6	
527		8.25	5.2	3.05	480	10	152	0.9	
526		11.30	9.25	3.05	325	13	147	0.2	
525		14.35	11.3	3.05	171	16	98	0.4	
524		16.95	14.35	2.60	156	22	257	0.5	
523		20.16	16.95	3.21	84	78	224	1.7	
522		23.52	20.16	3.36	71	26	705	0.6	
521		26.57	23.52	3.03	34	12	240	0.4	
520		29.80	26.53	3.33	41	10	292	0.7	
519		31.32	29.80	1.52	48	8	175	0.5	
518		32.84	31.32	1.52	52	11	182	1.2	
517		33.94	32.84	1.1	44	10	178	0.5	
501		33.94	35.88	1.94	91	11	200	0.9	
502		35.88	37.26	1.38	160	10	201	0.6	
503		37.26	38.78	1.52	89	14	354	1.3	
504		38.78	40.28	1.5	101	25	411	0.9	
505		40.28	41.84	1.3	76	16	290	0.5	
506		41.84	43.37	1.53	45	10	213	0.7	
507		43.37	44.89	1.52	49	7	170	0.9	
508		44.89	46.41	1.52	40	10	208	0.4	
509		46.41	47.93	1.45	52	13	214	0.5	
510		47.93	49.47	1.54	46	14	160	0.8	
511		49.47	50.70	1.22	43	8	280	0.9	
512		50.70	52.15	1.45	46	17	151	0.9	
513		52.15	53.60	1.45	66	16	390	0.9	
514		53.60	55.10	1.5	46	16	267	0.4	
515		55.10	56.5	1.4	49	14	142	0.8	
516		56.5	57.95	1.45	70	24	519	0.5	
529		90.4	91.92	1.52	25	4	136	0.4	

LANGRIDGE LIMITED—TORONTO—366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

090825

NAME OF PROPERTY: Old Fishook

HOLE NO. AF-80-2 LENGTH 151.5m (500 ft)

LOCATION Tay Mountain Area - Yukon Territory

LATITUDE 525 ft N DEPARTURE Line 104 + 00 ft E

ELEVATION 1300m AZIMUTH - DIP -90°

STARTED June 15/80 FINISHED June 17/80

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-90°				

HOLE NO. 2 SHEET NO. 1

REMARKS

LOGGED BY R. Zinn

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
0	3	OVERBURDEN	59530	2	40	41	1.0	452	71	449	2.7	
3	151.5	SERICITIC PHYLLITE AND SERICITIC QUARTZOSE PHYLLITE Rock contains local quartz chlorite concentrations; pyrrhotite and subordinate pyrite average 1 - 2% over length of hole with local trace chalcopyrite at 40m and 73.6m associated with quartz-pyrrhotite. First 10m of core is broken up and shows iron oxide staining on foliation plane; overall core recovery is 90%+. S2 averages approximately 60° to c.a. varying between 45° to 80°. Quartz concentrations at 61, 18, 31.2, 37.6, 43.7, 46.1, 50.1, 54.1, 55.6, 60.5, 61.7, 1200, 123.1, 127.4, 128.9, 130.1, 133.8, 135.0m 39.7 - 49.5 GRAPHITE-BEARING SERICITE AND QUARTZOSE PHYLLITE: CONDUCTOR 1 - 10% dark graphite in narrow zones parallel to S2 foliation and as smears along foliation planes; 1 - 2% pyrrhotite, pyrite, local trace chalcopyrite at 40m.										
151.5		END OF HOLE - Casing Recovered										

LANGRIDGE LIMITED — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY: Old Fishook
HOLE NO.: AF-80-3 LENGTH: 150m (495 ft)
LOCATION: Tay Mountain Area - Yukon Territory
LATITUDE: 650 ft S DEPARTURE: Line 72 + 00E
ELEVATION: 1280m AZIMUTH: - DIP: -90°
STARTED: June 18, 1980 FINISHED: June 21, 1980

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-90°				
150	-81°				

HOLE NO. 09825 SHEET NO. 1
REMARKS:
LOGGED BY: R. Zinn

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	Metres FROM	Metres TO	Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
0	4	OVERBURDEN	59531		398	5.5	1.52	148	18	459	0.4	
			532		5.5	7.02	1.52	66	20	418	0.5	
4	11.6	GRAPHITIC QUARTZITE-ARGILLITE: CONDUCTOR	533		7.02	10.08	3.06	86	14	397	0.3	
		Alternating thin (less than 1 cm) laminae of dark graphitic argillite with whitish quartzitic laminae as hole 1; abundant iron staining in upper portion of hole - core crumbly and broken up with 80% overall recovery; 1 - 2% pyrrhotite and pyrite; quartz concentrations at 11.6m; S2 averages 55° to c.a.	534		10.08	11.6	1.52	76	29	212	0.5	
			535		71.16	72.68	1.52	18	44	319	0.4	
			536		72.68	74.06	1.38	28	53	268	0.8	
			537		74.06	75.43	1.37	38	11	126	0.2	
			538		74.43	76.98	1.45	40	8	147	0.2	
			539		76.98	78.5	1.52	39	6	269	0.2	
			540		78.5	79.71	1.21	84	16	847	0.4	
			541		79.71	81.04	1.35	63	16	585	0.4	
			542		81.04	82.49	1.45	61	10	464	0.3	
			543		82.49	83.94	1.45	69	14	632	0.5	
			544		83.94	85.2	1.26	70	12	622	0.4	
			545		85.2	86.55	1.35	69	12	476	0.5	
			546		86.55	87.95	1.4	85	16	605	0.4	
11.6	76	QUARTZOSE SERICITE PHYLLITE:	547		87.95	89.5	1.55	44	16	211	0.2	
			548		89.5	91.93	2.43	26	6	108	0.1	
		Average 1 - 2% pyrrhotite, pyrite with section from 71 to 77m containing up to 5% of fine disseminated arsenopyrite crystals. Quartz-chlorite-sulphide concentrations at 25.8, 46.4, 48.6, 49.8, 51.6, 53.8, 58.9, 60.2, 61.7m.	549		91.93	93.35	1.42	39	8	161	0.1	
			550		93.36	94.80	1.65	40	10	129	0.3	
			554		94.80	96.28	1.78	28	8	105	0.2	
			555		96.28	97.23	1.45	25	5	115	0.1	
			556		97.73	99.18	1.45	41	36	181	0.3	
			557		109.02	110.54	1.52	26	10	124	0.2	
			558		110.54	112.00	1.54	37	8	132	0.2	
			559		112.06	113.58	1.52	36	20	122	0.2	
			560		113.58	115.13	1.55	25	14	120	0.4	
76	99.3	GRAPHITIC QUARTZITE AND SERICITIC PHYLLITE: CONDUCTOR										
		S2 averages 80° to c.a., 90% core recovery; average of 2 - 3% pyrrhotite throughout; local trace chalcopyrite associated with quartz.										
99.3	108	SERICITIC PHYLLITE										
		1 - 2% pyrrhotite, pyrite, trace chalcopyrite, S2 at 80° to c.a.										
108	138.3	GRAPHITIC QUARTZITE AND SERICITIC PHYLLITE: CONDUCTOR										
		As 76 - 99.3; 1% sulphides including local arsenopyrite; shear at 131m; lost core 132.2 to 134.7 - probable shear zone.										
138.3	150	SERICITE PHYLLITE as 99.3 - 108										
150		END OF HOLE - Casing Recovered										

LANGRIDGE LIMITED — TORONTO — 366-1168
FORM 1

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY Old Fishook

HOLE NO. AF80-3 SHEET NO. 2

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	Metres FROM	Metres TO	Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag
			9561		115.13	116.61	1.48	32	8	99	0.2
			562		116.61	118.08	1.47	32	10	118	0.2
			563		118.08	119.55	1.47	21	9	102	0.2
			564		119.55	120.53	1.08	27	8	114	0.2
			565		120.63	122.08	1.45	53	10	263	0.3
			566		122.08	123.53	1.45	44	6	265	0.3
			567		123.53	124.99	1.46	30	10	200	0.4
			568		124.99	126.43	1.44	39	7	144	0.2
			569		126.43	127.88	1.45	46	32	190	0.7
			570		127.88	129.33	1.45	76	12	420	0.5
			571		129.33	130.78	1.45	44	10	214	0.2
			572		130.78	132.23	1.45	57	40	308	0.5
			573		136.39	137.69	1.3	116	20	508	0.5
			574		137.69	138.69	1.0	120	20	800	0.5

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

090825

NAME OF PROPERTY Fishook 2

HOLE NO. AF-80-4 LENGTH 176.3m (582 ft)

LOCATION Tay Mountain Area - Yukon Territory

LATITUDE 400mS DEPARTURE Line 0 + 00

ELEVATION 1000m AZIMUTH - DIP -90°

STARTED June 22, 1980 FINISHED June 26, 1980

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-90°				
176.4	-78°				

HOLE NO. 4 SHEET NO. 1

REMARKS

LOGGED BY W. Brereton

Metres FROM	Metres TO	DESCRIPTION
0	4.5	OVERBURDEN
4.5	38.4	SILICEOUS SERICITE-CHLORITE PHYLLITE:

Non-calcareous, generally hard, competent; 95% core recovery; contains quartz-chlorite-sulphide zones up to 3m core length.
Chlorite occurs as fine-grained light greenish laminae and irregular patches always associated with quartz; where chlorite is absent the rock is a dark sericite-rich phyllite. Alternation of light quartzose-chlorite laminae with dark sericite-quartz laminae produce a striped pattern in portion of core. Sericite is often relatively coarse.
Sulphide consist predominantly of brassy pyrrhotite with local golden pyrite and minor to trace chalcopyrite with total sulphide contents averaging 1 to 10% over lengths sampled; chalcopyrite occurs as blebs to 1 cm diameter - typically well rounded - and as scattered grains, patches and veinlets within pyrrhotite or quartz.

Sulphides show adistinct 1:1 relationship with quartz and to a lesser extent with chlorite and reach concentrations of up to 75% over a few cm. The sulphides occur as:

1) very fine-grained, stratiform siliceous laminae 1 - 5mm.
2) coarser, semi-massive quartz-sulphide laminae to several cm in thickness
3) sulphide patches, blebs and veinlets surrounding and filling interstices between quartz fragments
4) thin quartz-sulphide veinlets clearly cross-cutting the prominent S2 foliation, in some cases as gash fractures parallel to S4

Sulphide is present, in general, only in the quartz-chlorite zones; there is none in the surrounding rock.
The quartz-sulphide-chlorite material sometimes forms a breccia - often cross-cutting S2 with sulphides interstial to quartz fragments and filling fractures within quartz fragments so that as

SAMPLE NO.	% SULPHIDES	Metres FROM	Metres TO	Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au (ppb)
002	2	9.4	10.6	1.2	191	6	39	0.4	5
001	5	11.7	12.3	9.6	427	9	35	0.5	5
9600	3	13.0	13.3	0.3	97	22	36	1.1	L5
575	5	15.8	17.0	1.2	421	6	48	0.1	-
576	5	16.7	18.0	1.3	338	5	37	0.2	-
599	5	18.0	18.8	0.8	317	8	31	0.9	70
598	10	19.4	19.7	0.3	454	14	28	0.8	25
597	5	21.0	22.0	1.0	68	4	32	0.8	5
596	10	31.8	32.0	0.2	465	9	30	0.7	30
577	10	32.6	33.8	1.2	432	8	46	0.2	-
595	5	52.6	52.9	0.3	83	11	26	0.7	L5
594	1	63.9	65.5	1.6	55	8	38	1.0	L5
593	10	65.5	65.8	0.3	352	17	1172	1.2	20
592	-	70.3							
591	5	74.2	75.2	1.0	308	10	41	0.8	35
590	5	80.2	80.6	0.4	193	7	35	0.7	15
589	2	84.1	84.5	0.4	408	8	33	1.2	35
578	2	87.9	89.4	1.5	216	240	1155	0.7	-
588	1	89.8	91.5	1.7	112	8	34	1.2	60
587	3	92.3	93.5	1.2	107	9	31	1.5	40
579	5	95.2	96.7	1.5	737	11	53	0.2	-
581	20	142.3	143.6	1.3	1792	23	49	2.6	-
580	20	143.6	145	1.4	1860	24	41	2.8	-

LANGRIDGE LIMITED — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY Fishook 2

HOLE NO. 4 SHEET NO. 2

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
		presently observed, the sulphides are "later" than quartz. Extensive replacement and partial digestion of phyllite bordering the quartz-chlorite-sulphide zones is often noted. The quartz-rich zones often appear to be occupying areas of structural disruption and dislocation. The prominent S2 foliation appears to be generally conformable with compositional lamination (bedding?) although there are areas where the two make large angles one with the other; these are probably local (?) fold noses. The S4 vertical foliation observed in nearby outcrop is prominent in the core being generally parallel to core axis. S2 is distinctly crenulated by S4, usually on a scale of millimeters. There is locally a prominent parting in the core parallel to S4. In some cases there appears to have been non-trivial dislocation along S4 partings. 13 - 13.3 Delicate siliceous-sulphide compositional laminations 1 - 5mm in darker phyllite gently crenulated parallel to c.a. by S4. 13.5 - 14.1 Quartz "vein" - barren 14.2 - 15.8 "Striped" phyllite with alternating light chloritic and dark sericitic laminae. 21 - 22 Bedding, as defined by thin siliceous - sulphidic laminae, is parallel to c.a. and is transposed on S2 which is perpendicular to c.a. 19.4 - 41 Relatively pervasic silicification and chloritization imparts light grey-green colouration to core. 31 - 38.5 Distinct increase in quartz-chlorite material and structural complexity; 34.5 - 37.6 is shattered and brecciated; distinctive light watery green material in quartz at 35.2m, this material observed elsewhere in this and other holes - positive indentification pending											

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY Fishook 3

HOLE NO. 4 SHEET NO. 3

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
38.5	42.0	QUARTZOSE PHYLLITE - dark, competent, well laminated, no sulphides; this section appears to be an unsilicified version of 4.5-38.5.										
42.0	161.5	SILICEOUS SERICITE-CHLORITE PHYLLITE - General comments as 4.5-38.5 39.7 - 48.8 contains sections of coarse, soft, sericite schist 53 - becoming very siliceous; 1% sulphide 54.8-55.5 and 58.5 - 58.8 69.8 - 70.3 barren quartz-chlorite vein containing tabular white crystals (W assay). 74.2 - 74.8 talcose-like sericite schist 75.5 - 86.3 shattered, brecciated zone; 10 cm section containing thin sphalerite laminations at 76.4m 96.0 -101.0 parting of core along S4, barren quartz vein with light greenish-white patches and xtals 97.0 - 97.1 and 99.7-100 101.2 -117.9 crenulation of S2 (S0?) by S4 and quartz-chlorite veining along S4 fractures 122.3 -122.6 barren quartz-chlorite "vein" 137.3 -137.4 quartz-sulphide zone, tr cp 142.3 -145.0 quartz-sulphide zone - 20% sulphides; impression that zone is in an area of structural dislocation 150.9 -157.3 core shattered and brecciated; 15 cm barren q.v. at 154m 157.3 -161.5 becoming predominantly a sericitic phyllite, soft, badly chewed up. 0.6m ground core 161.5-162.3										
161.5	176.4	SERICITE SCHIST AND PHYLLITE: Soft, crumbly, poor core recovery; prominent parting parallel to c.a. (S4); minor quartz veining present e.g. 166.4, 168.5, 168.8; trace to nil sulphide; rock becoming slightly more siliceous and competent 175.8 - 176.4										
176.4		END OF HOLE - Casing Recovered										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		CORE-BEDDING ANGLES - HOLE 4									

Zone (ft)	Angle	Zone (ft)	Angle
15 - 30	60° (90° @)	132 - 133	0°
*28	65°	135	90°
30 - 32	55°	137 - 139	40°
32 - 34	90°	140 - 142	60°
37.5	-- 0°	142 - 145	50°
38.0	-- 0°	147 - 150	80°
*44	90°	151 - 161	10° - 30°
47 - 49	0°	165 - 167	40°
49 - 52	40° - 70°	168.5	90°
57 - 60	70° - 90°	170 - 179	85°
62	50°	179 - 189	75°
66 - 75	low?	191	55°
82	45°	195 - 197	50°
84 - 87	50°	149 - 201	35° - 50°
87 - 89	65°	210 - 216	60°
90	20°	220 - 225	55°
91.5	90°	226 - 231	25°
94 - 97	90°	236 - 239	0°
98 - 102	0° - 20°	245 - 246	55°
101 - 106	0°	247 - 248	0°
106.5	60°	243 - 249	80°
107 - 113	low?	249 - 265	0°-20°(bx zone)
113 - 124	low (bx zone)	266 - 269	55°
*129	45°	270 - 272	0°

LANGRIDGES -- TORONTO -- 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION				SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		Zone (ft)	Angle	Zone (ft)	Angle									
		272 - 277	45°	405 - 408	50°									
		*279 - 282	45°	409	0°									
		283	35°	410	55°									
		284	0°	412 - 414	90°									
		287 - 290	50°	414 - 418	70°									
		292 - 300	60° - 75°	419 - 432	70° - 90°									
		302	0°	434 - 435	35°									
		305	70°	438	90°									
		307 - 314	low	440	50°									
		322 - 325	90°?	441	90°									
		327.5	50°	442	65°									
		328	0°	443 - 444	0°									
		332	40°	445	60°									
		334	0°	448	45°									
		335 - 338	90°	452 - 456	50°									
		341 - 342	55°	459 - 461	45°									
		347 - 366	90°	465	55°									
		370 - 373	50°	469 - 478	low									
		373 - 377	80°	481	40°									
		380 - 382	50°	482 - 492	low (bx zone)									
		386	70°	494	90°									
		389	50°	499	0°									
		390 - 393	40°	501	40°									
		393 - 397	90°	503	0°									
		400 - 403	90°	506	90°									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	

Zone (ft)	Angle	Zone (ft)	Angle
508 - 509	0°		
511	90°		
517	45°		
519 - 527	0° - 20°		
530	50°		
534	40°		
539	45°		
550	90°		
552 - 555	0°		
568	80°		
571 - 574	80°		
580 - 582	45°		

* unequivocal determinations i.e. S2 = S0

bx zone = breccia zone

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

090825

NAME OF PROPERTY: Fishook 2

HOLE NO. AF-80-5 LENGTH 106.1m (350 ft)

LOCATION Tay Mountain Area - Yukon Territory

LATITUDE 195mN DEPARTURE Line 0 + 00

ELEVATION 970m AZIMUTH _____ DIP -90°

STARTED June 27/80 FINISHED June 30/80

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-90°				
106.1	-90°				

HOLE NO. 5 SHEET NO. 1

REMARKS _____

LOGGED BY R. Zinn

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au (ppb)
0	6.7	OVERBURDEN										
6.7	106.1	QUARTZOSE SERICITE PHYLLITE Thinly laminated quartzose phyllite with numerous quartz-chlorite concentrations in upper portion as at 6.7, 10.7, 17.7, 20.5, 23.0, 49.0, 66.5, 68.0, 69.0, 80.0 and 85m; local minor pyrrhotite and pyrite associated with quartz-chlorite zones. Core recovery greater than 95% No conductive material intersected in hole										
106.1		END OF HOLE - Casing Recovered										

LANGRIDGE LIMITED — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

090825

NAME OF PROPERTY: Fishook 2
HOLE NO.: AF-80-6 LENGTH: 151.5m (500 ft)
LOCATION: Tay Mountain Area - Yukon Territory
LATITUDE: 865m S DEPARTURE: Line 720mW
ELEVATION: 850m AZIMUTH: - DIP: -90°
STARTED: June 30/80 FINISHED: July 5/80

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-90°				
151.5	-85°				

HOLE NO. 6 SHEET NO. 1
REMARKS
LOGGED BY R. Zinn

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
0	14.4	OVERBURDEN										
44.4	59.0	QUARTZOSE PHYLLITE Finely laminated sericitic phyllite with minor quartz-chlorite concentrations; biotite-bearing laminae commence at 30m and end abruptly at 56m. Section contains less than 1% pyrrhotite with minor chalcopyrite associated with quartz-chlorite zones										
59.0	151.5	CHLORITIC QUARTZOSE PHYLLITE Thinly laminated chlorite sericite quartzose phyllite; S2 foliation often disrupted by quartz-chlorite concentrations and "healed" breccia zones; overall less than 1% pyrrhotite, pyrite accompanying quartz-chlorite material Unit is similar to that encountered in hole 4 but is less siliceous and chloritic, contains less sulphide and has slightly coarser grain size										
151.5		END OF HOLE - Casing Recovered										

LANGRIDGE LIMITED — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

090825

NAME OF PROPERTY Fishook 2
HOLE NO. AF-80-7 LENGTH 196.4m (648 ft)
LOCATION Tay Mountain Area - Yukon Territory
LATITUDE 430mS DEPARTURE Line 0 + 00
ELEVATION 1000m AZIMUTH grid N DIP -60°
STARTED ~~July 6/80~~ FINISHED ~~July 13/80~~

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-59°	grid N			
108	-55°				
136	-52°				

HOLE NO. 7 SHEET NO. 1
REMARKS

LOGGED BY W. Brereton

Metres FROM	Metres TO	DESCRIPTION
0	15.8	OVERBURDEN
15.8	25.0	GRAPHITE SCHIST AND PHYLLITE: CONDUCTOR Prominent lensoid quartz blebs to several cm;rock is relatively soft, crumbly; contains approximately 1% pyrite including small "buttons" which may represent syngenetic nodular pyrite 16.1 - 16.4 Quartzose sericite phyllite (lc) 17.6 - 15 cm quartz vein 22.1 - 25.2 2.4m ground core core recovery 15.8 to 25.2 - 55%
25.0	34.2	SERICITE PHYLLITE AND SCHIST Soft, crumbly 25.2: 15 cm - 50% py associated with quartz 25.2 - 29 3m ground core 29 - 30.3 0.6 m ground core 30.3 - 30.3 1% pyrite as local seams and blebs with quartz; 1m ground core (core recovery 25.2 - 34.2: 50%) 33 - 34.2 average 1% py, po, tr cp, concentrated in a zone with quartz from 33 to 33.3
34.2	190.3	SILICEOUS CHLORITE-SERICITE PHYLLITE AND SERICITE PHYLLITF Contains quartz-chlorite-sulphide zones as hole 4; gradational contact with overlying sericite phyllite;rock is a silicified, chloritized version of 25.0 to 34.2; predominant sulphide is pyrrhotite with minor pyrite and local minor chalcopyrite as blebs, grains and veinlets; sulphides average up to 10% over sections split; rock is non-calcareous.

SAMPLE NO.	% SULPHIDES	Metres FROM	Metres TO	Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
003	3	45.2	45.6	0.4	338	16	31	0.9	45
004	5	62.1	63.0	0.9	88	209	19	1.1	L5
005	5	73.8	75.2	1.4	664	9	40	0.9	75
006	5	75.2	76.7	1.5	489	10	71	0.7	30
007	2	142.7	143.3	0.6	722	18	92	0.6	5
008	5	148.2	148.8	0.6	935	17	93	0.7	25
009	5	161.4	162.1	0.7	3340	15	143	1.1	5
010	3	166.1	166.7	0.6	1821	7	57	0.7	35
011	3	169.8	171.1	1.3	276	9	51	0.7	15
012	5	46.3		0.15	398	62	40	1.7	105
013	3	120.9	122.0	1.1	408	7	52	0.7	L5
014	5	160.9	161.2	0.3	224	1660	497	7.7	15
015	1	15.8	25.2	9.4	1127	40	160	3.9	L5
016	40	25.2		0.13	267	9	2880	0.8	20

LANGRIDGE LIMITED — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY Fishook 2

HOLE NO. 7 SHEET NO. 2

Metres FROM	Metres TO	DESCRIPTION	NO.	% SULPHIDES	Metres FROM	Metres TO	Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb
		34.2 - 37.3: average 3% sulphides with sections to 15 cm of 25 - 30%; best sulphides with greatest quartz concentrations										
		40.0 - 45.8: typical grey-green laminated colouration due to selective silicification; 3% sulphides 45.2 - 45.6; at 41m see two directions of "bedding" as defined by siliceous laminations at 70° and 0° to c.a. - impression that latter is a veining parallel to a later cleavage.										
		47.4 - 47.9: barren quartz-chlorite vein zone.										
		50.6 - 51.5: intersecting cleavage-bedding in dark sericite phyllite; two foliation make angle of up to 90° with one another										
		59.4 - 59.7 barren q.v.										
		61.2 So transposed along S2; much of bedding appears to be running at very low angles to c.a. in section from 56.1 to 61.2										
		61.5 - 62 quartz-chlorite vein zone										
		62.1 - 63.0: 3% po, tr cp										
		68.6 - 69.1 quartz-chlorite zone with light greenish vein material (specimen)										
		69.1 - 72.7 much of core broken up; zone includes some sericite schist - breccia zone										
		73.8 - 76.7: quartz-sulphide zone - average 3 to 5% po, locally to 50%; cp blebs at 76.4 Note: have locally lost the intense pervasion silicification evident in upper part of hole by 73m; rock at 77.3 is dark sericitic schist with prominent light reflection off coarse sericite flakes										
		79.7 "striped" rock with alternating chlorite and non-chloritic laminae										
		83.9 - 84.5 dark sericite shist zone - broken up core										
		87.9 siliceous laminated chlorite-sericite phyllite showing feature occasionally noted in core i.e. two										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY Fishook 2

HOLE NO. 7 SHEET NO. 3

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	Metres FROM	Metres TO	Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
		right angles separated by a hairline fracture at low angle to c.a.										
		88.5 - 94.2 grey-green; silicified										
		97.6 - 97.9 quartz-chlorite vein, barren										
		99.4 delicate light/dark laminations										
		107.9 -110.9 2.1m lost core										
		112.4 -112.7 sericite schist, soft crumbly										
		115.8 tiny lensoid quartz blebs define a false bedding which is at 70° to true bedding as defined by delicate laminations approximately parallel to c.a. - gentle convolutions in laminae are soft sediment-like										
		121.0--122.0 quartz-sulphide zone; 3% po including 2 cm 80% po, 5% cpy at 121m										
		124.5 -124.8 quartz chlorite-green mineral vein										
		127.6 -130.6 mainly soft sericite phyllite; minor q.v. 0.7m lost core										
		134.5 2% po, tr. cp										
		139.7 transposition of S0 (at 0° to c.a.) by S4 (at 70° to c.a.) S0 defined by 1 - 2 mm siliceous laminae; S4 is axially to small-scale folds in S0 (= S2 ?) in this region and elsewhere as observed in outcrop										
		142.7 -143.3 2% po, tr cp										
		148.0 -148.8 2% po, tr cp.										
		151.8 15 cm - 5% po, cp										
		153.0 -153.3 3% po, tr. cp										
		160.9 -161.2 5% po, cp, sp, sp, as v.f.g. material filling hairline fractures in quartz										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD. NAME OF PROPERTY Fishook 2

HOLE NO. 7 SHEET NO. 4

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
		161.4 - 162.1: quartz-sulphide zone. 3% po; cp splashes at 161.2, 162.1										
		162.9 po/cp veinlet to 1 cm (specimen)										
		164.8 - 167.9 average less than 1% po; best section 166.1 - 166.7 with splash cp at 166.2										
		167.6 - 190.3 much of core is soft, crumbly; rock remains essentially as above, i.e. a variably chloritic sericite-rich phyllite, but pervasive hardening-silicification is absent - some quartz-chlorite veining still present - subtle colour change in more sericitic rock to a watery green-gray										
		167.9-- 168.2: dark sericite schist - shear?										
		168.8 - 169.0: greasy, talcose aspect-sericite schist										
		170.3 - 171.0: graphite schist, CONDUCTOR - soft, 80-90% graphite, 1% sulphides										
		177.0 - 177.6: quartz-chlorite vein zone										
		180.6 quartz-chlorite vein zone										
		185.2 - 185.8: quartz-chlorite vein zone										
		190.3 - 196.4 sericite schist and phyllite: soft, crumbly, some quartz - chlorite laminae and vein material - appears to be an unsilicified version of above rock										
195.4		END OF HOLE - Casing Recovered										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		CORE - BEDDING ANGLES - HOLE 7									

Zone (ft)	Angle	Zone (ft)	Angle
52	50°	178	45°
63	40°	182 - 184	vague
70 - 73	0° - 30°	186 - 187	0°
102	∪ 90°	189	0°(local fold)
*106	60°	194 - 195	∪ down c.a.
110 - 120	0° - 25°	199	90°
128	S0 - 70° S2 - 90°	200 - 202	S0: low S2: 50°
130	90°	204	50°
132	0°(local fold)	210	20°
135	70°	217 - 224	low
142	70°	228 - 230	low
146 - 150	90°	230 - 235	70° - 90°
153	40°	236	low
155	90°	241 - 257	low
159	0°(local fold)	257 - 265	60° - 75°
160	90°	267	0°(local fold)
161	0°(local fold)	271	75°
162	35°	275	60°
165 - 166	70°	279 - 284	low
168	S0 - 90° S2 - 45°	286	70°
		290 - 292	low
169	S0 - 30° S2 - 30°	*295	35°
173 - 176	low	297 - 300	low

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	

Zone (ft)	Angle	Zone (ft)	Angle
*305	30°	446 - 463	low
308 - 313	0° - 20°	464	25°
314 - 315	70°	466	0°
322	60°	470	70°
324	35°	476	50°
326	35°	478	80°
*328	40°	480 - 481	low
331	80°	482	40°
*333 - 337	0°	495 - 498	low
343	40°	501	45°
345	55°	503 - 505	low
347	0°(local fold)	516 - 522	low
347 - 352	along c.a.	525	0°
354 - 370 ∪	along c.a.	528 - 529	0°
371	45°	530	45°
372 - 389	along c.a.	537 - 539	35°
382	S4 - 70°	540.5	0°
392 - 394	75°	555	70°
397	50°	558 - 560	60°
400	45°	565 - 567	50°
402 - 408	90°	576	70°
414 - 416	low	579	60°
426	45°	590	45°
432	0°(local fold)	*599 - 602	50° - 70°
444	0°(local fold) S4 - 70°	606 - 608	0°(local fold)

LANGRIDGES -- TORONTO -- 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY _____

HOLE NO. _____ SHEET NO. _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	

Zone (ft)	Angle	Zone (ft)	Angle
615	80°		
622	65°		
628	80°		
632 - 634	low		
642	50°		
646 - 648	low		

* S2 = S0

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

090825

NAME OF PROPERTY Tay 2 (Tay North)

HOLE NO. AF-80-8 LENGTH 181 m (597 ft)

LOCATION ~~Tay Mountain Area - Yukon Territory~~

LATITUDE 490m N DEPARTURE Line 240 m E

ELEVATION 1160m AZIMUTH _____ DIP - 90°

STARTED July 13/80 FINISHED July 19/80

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-90°				
181	-83°				

HOLE NO. 8 SHEET NO. 1

REMARKS _____

LOGGED BY R. Zinn

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	Metres FROM	Metres TO	Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
0	3.9	OVERBURDEN	017	2	162.3	163.8	1.5	42	28	201	0.5	
3.9	94.8	LAMINATED QUARTZ-BIOTITE-ANDALUSITE SCHIST	018	1	163.8	165.3	1.5	45	13	366	0.4	
		Mineralogic composition gives rise to distinctive purple colouration due toand varying as fine purple biotite flakes; 98% + core recovery; local trace pyrrhotite; abundant whitish, often lensoid quartz-chlorite laminae - "sweats" - generally 1 - 5 cm; andalusite appears as whitish blotches and blebs to rectangular crystal cross-sections comprising up to 10% of rock; crystals often concentrated in distinct bands to several cm in width.	019	2	165.3	166.8	1.5	45	12	511	0.3	
			020	3	166.8	168.3	1.5	98	8	506	0.4	
		7.0 - 7.3: quartz-chlorite vein, less than 1% py										
		20.6: small chloritic chips resembling shaley fragments										
		27.6 -27.9, 28.8 -29.1 dark quartz veins with minor chloritic fragments (?) and orangish discolouration along fractures; veins show very sharp contacts at 90° to c.a.; 0.5 cm chloritic selvedge along bottom contact of upper vein										
		30.3 -42.4 dark shaley-looking chips to 1 cm in schist - fragments	(?)									
94.8	98.8	BIOTITE QUARTZITE: Massive, dark grey, hard, brittle; calcite coatings on hairline fractures; less than 1% disseminated pyrrhotite, pyrite Contacts with biotite andalusite schist are sharp - minor biotite andalusite schist in section e.g. 96.4 - 96.7 and 98.3 - 98.45.										
98.8	160.6	QUARTZ-BIOTITE-ANDALUSITE SCHIST:as 3.9 to 94.8 Quartz-chlorite zones with variable biotite at 100, 102-102.7, 11.8, 120.8, 131.8, 132.1, 138.2; 110.5, 152; calcite-filled tension gashes at 137.6, 148.2 - 149.7, latter are approximately parallel to c.a.										

LANGRIDGE LIMITED—TORONTO—366-1168

DIAMOND DRILL RECORD

UNION OIL COMPANY OF CANADA LTD.

NAME OF PROPERTY Tay 2 (Tay North)

HOLE NO. 8 SHEET NO. 2

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
		There is a noticeable increase in pyrrhotite content commencing at approximately 108.5 from less than 1% to 1 - 3% in fractures and along S2 foliation planes towards end of section; trace chalcopyrite at 124.2 with local quartz concentration . 128.5 - 134.8: section of increased andalusite contact - to 25%; crystal cross sections to 6 mm; increased andalusite contact co-incident with appearance of black argillaceous laminae. 156.5 - 160.6: minor graphite gradational contact area with following section.										
160.5	169.4	GRAPHITIC QUARTZITE-ARGILLITE: CONDUCTOR Variable biotite, well laminated, 5 cm massive graphite at 162.6 Siliceous chloritic section 168.9 - 169.4 containing laminated and disseminated chlorite with quartz and biotite. Average of 1 - 3% pyrrhotite, pyrite as disseminated blebs and thin seams conformable with S2. Minor calcite on feature surfaces										
169.4	181.0	QUARTZ-BIOTITE-ANDALUSITE SCHIST as above Siliceous chloritic sections 174.1 - 174.8, 179.4 - 179.7 Average 1 - 2% pyrrhotite										
181.0		END OF HOLE - Casing Recovered Overall core recovery - 95%; S2 foliation surfaces average 75° to c.a. varying generally between 65° to 85°										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

UNION OIL OF CANADA LTD.

090825

NAME OF PROPERTY: Tay 1 (Tay South)

HOLE NO. AF-80-9 LENGTH 137.9m (455 ft)

LOCATION Tay Mountain Area - Yukon Territory

LATITUDE 10 + 90m N DEPARTURE Line 0 + 00

ELEVATION 1530m AZIMUTH - DIP -90°

STARTED July 19/80 FINISHED July 22/80

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 9 SHEET NO. 1

REMARKS

LOGGED BY R. Zinn

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE Metres TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au(ppb)
0	5.2	OVERBURDEN										
5.2	5.5	CALCAREOUS CHLORITIC PHYLLITE										
		Sericitic, finely laminated, less than 10% pyrrhotite.										
5.5	7.7	QUARTZ-BIOTITE-SERICITE-PHYLLITE										
		Hard, siliceous - a biotitic quartzite; minor calcareous - chloritic sections; finely laminated, less than 1% pyrrhotite										
7.7	11.7	CALCAREOUS CHLORITIC PHYLLITE										
		As above but highly calcareous - an impure limestone; minor talc (?)										
11.7	61.7	QUARTZOSE AND CHLORITIC PHYLLITES										
		Calcareous; chlorite-biotite percentages variable, chlorite-rich sections are more finely laminated and phyllitic; biotite-rich sections are quartzitic and preserve small scale folds. Fracturing is common with fracture surfaces coated by a greenish quartz-carbonate (?) film; local vugs with fine quartz crystals as at 17.9.										
		Quartz concentration with assimilated phyllite at 30m										
		Approximately 1% pyrrhotite throughout section.										
		Graphite at 32.6 and occasionally from 47 to 61.7										
61.7	63.6	GRAPHITIC LIMESTONE, QUARTZITE, ARGILLITE: CONDUCTOR										
		Well laminated massive graphite at 62; less than 1% pyrrhotite										
63.6	75.8	QUARTZ-BIOTITE-CHLORITE PHYLLITE										
		Calcareous; graphitic section 62.5 to 67.7, 70.6-71.2-fine chloritic volcanic										
			021		99.7	101.2	1.5	47	9	99	0.2	
			022		101.2	102.7	1.5	44	15	107	0.4	
			023		102.7	104.2	1.5	45	10	98	0.2	
			024		104.2	105.7	1.5	36	8	82	0.2	
			025		105.7	107	1.3	88	16	118	0.4	
			026		107.9	109.4	1.5	59	7	234	0.2	
			027		109.4	110.8	1.4	12	12	35	0.4	

LANGRIDGE LIMITED—TORONTO—366-1168

DIAMOND DRILL RECORD

UNION COMPANY OF CANADA LTD.

NAME OF PROPERTY Tay 1 (Tay South)

HOLE NO. 9 SHEET NO. 2

Metres FROM	Metres TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE Metres FROM	SAMPLE Metres TO	SAMPLE TOTAL	ANALYTICAL - ppm Cu	Pb	Zn	Ag	Au (ppb)
75.8	85.5	IMPURE LIMESTONE AND CALCAREOUS PHYLLITE Some siliceous and argillaceous sections										
85.5	107.9	CALCAREOUS QUARTZITE Varying argillaceous, biotitic and chloritic laminae, less than 1% pyrrhotite This section shows incipient conversion of limy rocks to calc silicate similar to that observed around Anvil batholith 99.7 - 107 variably graphitic 107 - 107.9 chloritic, finely laminated-chloritic sections are so finely laminated that they often appear to be massive; coarser laminae often show boudinage and small scale folding with transposed bedding in fold noses.										
107.9	110.8	GRAPHITIC ARGILLITE-QUARTZITE: CONDUCTOR Non-calcareous, finely laminated, 1% pyrrhotite, pyrite										
110.8	137.9	QUARTZOSE SERICITE PHYLLITE Non-calcareous, variable chlorite, less than 1% pyrrhotite, pyrite, local quartz concentration										
137.9		END OF HOLE - Casing Recovered Overall core recovery 90%; S2 foliation averages 70% to core axis.										

LANGRIDGES -- TORONTO -- 366-1168

OK WEB

ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

RECEIVED 15 SEP 1980 MINING RECORDER WHITEHORSE, Y.T. I.A. & N.D.

INVOICE # 2142

July 30, 1980

In Account With:

RECEIVED MINERALS EXPLORATION AUG 18 1980 FILE:

RECEIVED 15 SEP 1980 MINING RECORDER WHITEHORSE, Y.T. I.A. & N.D.

Union Oil Company of Canada Ltd.,
335 - 8th Avenue S.W.
P.O. BOX 999
Calgary, Alberta
T2P 2K6

Drilling charges for the period June 4 - July 24, 1980

Mobilization		
Re Clause 2A of Contract		
½x3260.00	1630.00	
Moving in & Setting Up		
372 Man hours @ 19.00 per hr.	7068.00	8698.00
Hole #1-90'xNQ		
Overburden		
0-20=20ft @ 21.00 per ft.	420.00	
Core Drilling		
20-465=445 ft @ 22.00 per ft.	9790.00	
Water delay		
2 Man hours @ 19.00 per hr.	38.00	10248.00
Hole #2-90'xNQ		
Moving		
86 Man hours @ 19.00 per hr	1634.00	
Overburden		
0-10=10ft @ 21.00 per ft.	210.00	
Core Drilling		
10-500 =490 ft @ 22.00 per ft.	10780.00	12624.00
Hole #3 - 90'xNQ		
Moving		
74 Man hours @ 19.00 per hr.	1406.00	
Overburden		
0-15=15 ft @ 21.00 per ft.	315.00	
Core Drilling		
15 - 495 =480 ft @ 22.00 per ft.	10560.00	
C/Fwd.....	12281.00	31570.00

M805006 0201 137,503.20

137,503.20 Aug 22/80

090825

B/Fwd.....		122281.00	31570.00
Testing			
1Man hour @ 19.00 per hr.	19.00		
½ Machine Hr. @ 10.50 per hr.	5.25	24.25	12305.25
Hole #4-90'xNQ			
Moving			
67 Man hours @ 19.00 per hr.		1273.00	
Overburden			
0-18=18 ft @ 21.00 per ft.		378.00	
Core Drilling			
18-500=482 ft @ 22.00 per ft.	10604.00		
500-582=82ft @ 23.50 per ft.	1927.00	12531.00	
Testing			
1 Man hour @ 19.00 per hr.	19.00		
½ Machine hour @ 10.50 per hr	5.25	24.25	
Water Delay			
14 Man hours @ 19.00 per hr.		266.00	
Standby			
Blasting Water Sump.			
16 Man hours @ 19.00 per hr	304.00		
Waiting for Helicopter			
16 Man hours @ 19.00 per hr	304.00	608.00	15080.25
Hole #5-90'xNQ			
Moving			
67 Man hours @ 19.00 per hr.		1273.00	
Overburden			
0-21 = 21 ft @ 21.00 per ft.		441.00	
Core Drilling			
21-350=329 ft @ 22.00 per ft.		7238.00	
Testing			
1 Man hour @ 19.00 per hr.	19.00		
½ Machine hr @ 10.50 per hr.	5.25	24.25	8976.25
C/Fwd.....			67931.75

	B/Fwd.		67931.75
Hole #6-90'xNQ			
101 Man hours @ 19.00 per hr.		1919.00	
Overburden			
0-33=33ft @ 21.00 per ft		693.00	
Core Drilling			
33-500 =467 ft @ 22.00 per ft.		10274.00	
Testing			
1 Man hour @ 19.00 per hr.	19.00		
½ Machine hr. 10.50 per hr.	5.25	24.25	
Stand - by			
Waiting for helicopter.			
24 Man hours @ 19.00 per hr.		456.00	13366.25
Hole # 7 - 60' xNQ			
Moving			
78 Man hours @ 19.00 per hr.		1482.00	
Overburden			
0-33=33ft @ 21.00 per ft.		693.00	
Core Drilling			
33-500 =467 ft @ 22.00 per ft.	10274.00		
500-648=148ft @ 23.50 per ft.	3478.00	13752.00	
Testing			
4 Man hours @ 19.00 per hr.	76.00		
2 Machine hours @ 10.50 per hr.	21.00	97.00	
Water Supply Delay			16708.00
36 Man hours @ 19.00 per hr.		684.00	06708.00
Hole # 8-90'xNQ			
Moving			
120 Man hours @ 19.00 per hr.		2280.00	
Overburden			
0-10=10 ft @ 21.00 per ft.		210.00	
Core Drilling			
10-500 =490 ft @ 22.00 per ft.	10780.00		
500-597=97 ft @ 23.50 per ft.	2279.50	13059.50	
C/Fwd.....		15549.50	98006.00

B/Fwd.....		15549.50	98006.00
Testing			
1 Man hours @ 19.00 per hr.	19.00		
½ Machine hour @ 10.50 per hr	5.25	24.25	
Standby waiting for helicopter			
28 Man hours @ 19.00 per hour		532.00	16105.75
Hole # 9-90'xNQ			
Moving			
75 Man hours @ 19.00 per hour		1425.00	
Overburden			
0-5=5ft @ 21.00 per ft.		105.00	
Reaming Casing			
5-12 = 7 ft @ Field Cost			
4 Man hours @ 19.00 per hour	76.00		
2 Machine hrs @ 10.50 per hour	21.00	97.00	
Core Drilling			
5-455=450ft @ 21.00 per ft.		9450.00	
Testing			
1 Man hour @ 19.00 per hr.	19.00		
½ Machine hour @ 10.50 per hr.	5.25	24.25	11101.25
Board & Room for Company Personnel			
2 Tents June 5 to July 23, 1980.			
@ 300. per month	490.00		
Meals			
270 Man days @ 25.00 per day.	6750.00		7240.00
Core Boxes			
222 Core Boxes @ 6.50 each			1443.00
Freight sent collect			
as per attached.		42.85	58.20
Demobilization			
Re Clause 2A of Contract			
½ of 3260.00	1630.00		
Packing up and Moving Out			
101 Man hours @ 19.00 per hr.	1919.00		3549.00
			137503.20

Shirley Helicopters Ltd.

INVOICE

Hangar No. 6A, Municipal Airport
Edmonton, Alberta T5G 2Z3
Phone 453-5121

August 22, 1980

TO

Union Oil Co. Of Can. Ltd.,
335 - 8th Ave. S.W.,
Calgary, Alberta
T2P 2K6

ACCOUNTS DUE WHEN RENDERED — PAYABLE AT PAR EDMONTON

CUSTOMER'S ORDER NUMBER	HELICOPTERS	PILOT
	C-FHTV	MacHardy

DESCRIPTION				CHARGES
June 26, 1980	74146	6.3 hrs. @ $325. per hr.		$ 2,047.50
June 27, 1980	74147	8.2 hrs. @ $325. perhr.		2,665.00
June 28, 1980	74148	7.3 hrs. @ $325. per hr.		2,372.50
June 29, 1980	74149	3.3 hrs. @ $325. per hr.		1,072.50
June 30, 1980	74150	7.0 hrs. @ $325. per hr.		2,275.00
July 1, 1980	74151	10.3 hrs. @ $325. per hr.		3,347.50
July 2, 1980	74152	5.0 hrs. @ $325. perhr.		1,625.00
July 3, 1980	74153	1.3 hrs. @ $325. per hr.		422.50
July 4, 1980	74154	1.4 hrs. @ $325. per hr.		455.00
July 5, 1980	74155	1.3 hrs. @ $325. per hr.		422.50
		7.1 hrs. @ $250. per hr.		1,775.00
July 6, 1980	74156	6.7 hrs. @ $250. per hr.		1,675.00
July 7, 1980	74157	10.9 hrs. @ $250. per hr.		2,725.00
July 8, 1980	74158	7.7 hrs. @ $250. per hr.		1,925.00
July 9, 1980	74159	5.2 hrs. @ $250. per hr.		1,300.00
July 10, 1980	74160	4.2 hrs. @ $250. per hr.		1,050.00
July 11, 1980	74161	6.3 hrs. @ $250. per hr.		1,575.00
July 12, 1980	74162	5.5 hrs.@ $250. per hr.		1,375.00
July 13, 1980	74163	4.4 hrs. @ $250. per hr.		1,100.00
July 14, 1980	74164	.7 hrs. @ $250. per hr.		175.00
July 15, 1980	74165	13.2 hrs. @ $250. per hr.		3,300.00
July 16, 1980	74166	3.3 hrs. @ $250. per hr.		825.00
		126.6 hrs.		$35,505.00

C.P.O. Completed
Price & Contract
Company No.
Field Approval
AUG 2 8 1980
Executive Approval
Ex of Texas

A 12914

TERMS NET 30 DAYS — 2% PER MONTH CHARGED ON OVERDUE ACCOUNTS.

OFFICE COPY

Shirley Helicopters Ltd.

INVOICE

70

Hangar No. 6A, Municipal Airport
Edmonton, Alberta T5G 2Z3
Phone 453-5121

August 22, 1980

TO

Union Oil co. of Can. Ltd.,
335 - 8th Ave. S.W.,
Calgary, Alberta
T2P 2K6

ACCOUNTS DUE WHEN RENDERED — PAYABLE AT PAR EDMONTON

CUSTOMER'S ORDER NUMBER	HELICOPTERS	PILOT
	C-FHTV	MacHardy

DESCRIPTION			CHARGES
July 17, 1980	74167	4.6 hrs. @ $250. per hr.	$ 1,150.00
July 18, 1980	74168	5.1 hrs. @ $250. per hr.	1,275.00
July 19, 1980	74169	8.6 hrs. @ $250. per hr.	2,150.00
July 20, 1980	74170	7.2 hrs. @ $250. per hr.	1,800.00
July 21, 1980	74171	3.4 hrs. @ $250. per hr.	850.00
July 22, 1980	74172	2.6 hrs. @ $250. per hr.	650.00
July 23, 1980	74173	1.5 hrs. @ $250. per hr.	375.00
		33.0 hrs.	$8,250.00

ACCOUNTING DEPT.
SENT [illegible]
AUG [illegible]
RETURNED

L.P.O. Completed
Price & Contract
Company No.
Field Approval
AUG 2 81980
Departmental Approval
Executive Approval
Ex of Taxes

A 12915

TERMS NET 30 DAYS — 2% PER MONTH CHARGED ON OVERDUE ACCOUNTS.

OFFICE COPY

Shirley Helicopters Ltd.

Hangar 6A, Municipal Airport
Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74164

DATE July 14 1980 A/C C FHTV

CHARTER ☐ CONTRACT _____ NON-REV. ☐

CUSTOMER UNION OIL ANVIL - FISHHOOK

ADDRESS _____

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
WEATHER CHECK + DRILL CREWS OUT		✓		.5
DRILL CREWS IN		✓		.2
START 1253 FINISH 1627 TOTAL FLIGHT HOURS				.7
TOTAL HOURS THIS CONTRACT TO DATE			233	.7

PILOT'S SIG. A. MacHardy

CUSTOMER SIG. W.E. Brown

MTCE. ENG. ALAN MacHARDY

A/F TTSOH

ENG. TTSOH

N.W.T. ☐ YUKON ☑ ALBERTA ☐ B.C. ☐ SASK. ☐ MAN. ☐ ONT. ☐ QUE. ☐

SPECIAL REMARKS

FUEL USED

CACHE REMAINING

Shirley Helicopters Ltd.

Hangar 6A, Municipal Airport
Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74163

DATE July 13 1980 A/C C FHTV

CHARTER ☐ CONTRACT _____ NON-REV. ☐

CUSTOMER UNION OIL ANVIL - FISHHOOK

ADDRESS _____

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
GEO OUT		✓		.2
DRILL CREW CHANGE - SLING CORE - LABOURER OUT - DYNAMITE NEW SUMP		✓	1	.2
TAY MTN. - GRUMM		✓		.4
SLING DRILL RIG NEW SITE		✓		.6
DRILL CHECK		✓		.3
DRILL CREW MOVE		✓		.2
DRILL CREW MOVE SLING CORE - GEO IN		✓		.4
TAY MTN. - FARO		✓		.3
FARO - GRUMM		✓		.1
SLING FUEL GRUMM - TAY MTN		✓		.5
DRILL CREWS IN		✓		.2
START 0748 FINISH 2017 TOTAL FLIGHT HOURS			4	4
TOTAL HOURS THIS CONTRACT TO DATE			233	.0

PILOT'S SIG. A. MacHardy

CUSTOMER SIG. W.E. Brown

MTCE. ENG. ALAN MacHARDY

A/F TTSOH

ENG. TTSOH

N.W.T. ☐ YUKON ☑ ALBERTA ☐ B.C. ☐ SASK. ☐ MAN. ☐ ONT. ☐

SPECIAL REMARKS

FUEL USED

CACHE REMAINING

Shirley Helicopters Ltd.

Hangar 6A, Municipal Airport
Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74166

DATE July 16 1980 A/C C-FHTY

CHARTER ☐ CONTRACT NON-REV. ☐

CUSTOMER Union Oil Anvil - Fishhook

ADDRESS

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
Drill Crews out Sling Fuel + Pumps		✓	1	·1
Geo Out		✓		·2
Geo In		✓		·3
Drill Crew Move - Sling Core Boxes		✓		·6
Geo Out		✓		·2
Geo In		✓		·3
Drill Crew Change - Sling Propane + Parts		✓		·6
Start 0753 [illegible] TOTAL FLIGHT HOURS			3	·3
TOTAL HOURS THIS CONTRACT TO DATE			250	·2

PILOT'S SIG. A. MacHardy A/F TTSOH

CUSTOMER SIG. W. E. Brewster ENG. TTSOH

MTCE. ENG. Alan MacHardy

		SPECIAL REMARKS	FUEL USED	CACHE REMAINING
N.W.T.	☐			
YUKON	☑			
ALBERTA	☐			
B.C.	☑			
SASK.	☐			
MAN.	☐			
ONT.	☐			
QUE.	☐			

Shirley Helicopters Ltd.

Hangar 6A, Municipal Airport
Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74165

DATE July 15 1980 A/C C-FHTY

CHARTER ☐ CONTRACT NON-REV. ☐

CUSTOMER Union Oil Anvil - Fishhook

ADDRESS

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
Geo Out + Geo In		✓		·6
Drill Move		✓	11	·4
MTS Sling to Grum		✓		·5
Grum to Welding Truck		✓		·1
Return		✓		·1
Sling Fuel + Parts - Grum - Tay Mtn.		✓		·5
Start 0745 Finish 2335 TOTAL FLIGHT HOURS			13	·[illegible]
TOTAL HOURS THIS CONTRACT TO DATE			246	·[illegible]

PILOT'S SIG. A. MacHardy A/F TTSOH

CUSTOMER SIG. W. E. Brewster ENG. TTSOH

MTCE. ENG. Alan MacHardy

		SPECIAL REMARKS	FUEL USED	CACHE REMAINING
N.W.T.	☐			
YUKON	☑			
ALBERTA	☐			
B.C.	☐			
SASK.	☐			
MAN.	☐			
ONT.	☐			
QUE.	☐			

Shirley Helicopters Ltd.

Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74168

DATE July 18 1980 A/C C FHTV

CHARTER ☐ CONTRACT _____ NON-REV. ☐

CUSTOMER UNION OIL ANVIL - FISHHOOK

ADDRESS _____

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
DRILL CREW CHANGE - SLING CORE - MTS TO				
ANVIL - GRUM		✓	1	.5
FARO - SLING FUEL / DIESEL / CORE & CREW				
MOVES		✓	2	.8
CREW MOVES - FOOD		✓		.8
START 0744 FINISH 2312 TOTAL FLIGHT HOURS			5	.1
TOTAL HOURS THIS CONTRACT TO DATE			259	.9

PILOT'S SIG. A. MacHardy

CUSTOMER SIG. W.E. Bell

MTCE. ENG. ALAN MacHARDY

A/F TTSOH

ENG. TTSOH

	SPECIAL REMARKS	FUEL USED	CACHE REMAINING
N.W.T. ☐			
YUKON ☑			
ALBERTA ☐			
B.C. ☐			
SASK. ☑			
MAN. ☐			
ONT. ☐			
QUE. ☐			

Shirley Helicopters Ltd.

Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74167

DATE July 17 1980 A/C C FHTV

CHARTER ☐ CONTRACT _____ NON-REV. ☐

CUSTOMER UNION OIL ANVIL - FISHHOOK

ADDRESS _____

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
GEO OUT		✓		.1
DRILL CREWS OUT - SLING CORE - TAY MTN - FARO		✓	1	.1
FARO - GRUM		✓		.1
SLING FUEL - GRUM - TAY MTN - GRUM		✓		.7
GRUM - TAY MTN		✓		.5
SLING TIMBERS NEW SITE - GEO IN - CLEAN UP		✓	1	.6
DRILL CREW CHANGE - PUMP CHECK		✓		.3
START 0754 FINISH 2002 TOTAL FLIGHT HOURS			4	.6
TOTAL HOURS THIS CONTRACT TO DATE			254	.8

PILOT'S SIG. A. MacHardy

CUSTOMER SIG. W.E. Bell

MTCE. ENG. ALAN MacHARDY

A/F TTSOH

ENG. TTSOH

	SPECIAL REMARKS	FUEL USED	CACHE REMAINING
N.W.T. ☐			
YUKON ☑			
ALBERTA ☐			
B.C. ☐			
SASK. ☐			
MAN. ☐			
ONT. ☐			
QUE. ☐			

Shirley Helicopters Ltd.

Hangar 6A, Municipal Airport
Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74170

DATE July 20 1980 A/C C-FHTV

CHARTER ☐ CONTRACT _____ NON-REV. ☐

CUSTOMER Union Oil Anvil - Fishhook

ADDRESS _____

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
Geo Out		✓		.2
Drill Move & Drill Crews Out		✓	1	.7
Sling Mts. Out		✓		.4
Sling Fuel		✓		.5
ing Pumps / clean up &				
rew Moves		✓	1	.5
Geo In		✓		.2
Sling Hoses/Crew Moves - Set Mast - Mor				
Drill Pipes		✓	1	.4
Sling Fuel		✓		.8
Drill Crew Change		✓		.3
Hose Pick up		✓		.2
Start 0701 Finish 2059 TOTAL FLIGHT HOURS			7	.2
TOTAL HOURS THIS CONTRACT TO DATE			275	.7

A/F TTSOH

ENG. TTSOH

PILOT'S SIG. A. MacHenry

CUSTOMER SIG. W.E. Brelsford

MTCE. ENG. Alan MacHenry

		SPECIAL REMARKS	FUEL USED	CACHE REMAINING
N.W.T.	☐			
YUKON	☑			
ALBERTA	☑			
B.C.	☐			
SASK.	☐			
MAN.	☐			
ONT.	☐			

Shirley Helicopters Ltd.

Hangar 6A, Municipal Airport
Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74169

DATE July 19 1980 A/C C-FHTV

CHARTER ☐ CONTRACT _____ NON-REV. ☐

CUSTOMER Union Oil Anvil - Fishhook

ADDRESS _____

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
Drill Crew Change Sling Core & Boxes		✓		.8
Drill Check		✓		.3
Geo Out - Tay Mtn - Grum		✓		.6
Sling Reg. Fuel & 2 Loads JP4		✓	1	.6
Drill Crew Moves - Sling Mast - Grum		✓		.9
Sling Pr-pane / Core Boxes - Grum - Tay				
Mtn - Drill Moves & Drill Crews In		✓	4	.1
Start 0822 Finish 2039 TOTAL FLIGHT HOURS			8	.6
TOTAL HOURS THIS CONTRACT TO DATE			268	.5

A/F TTSOH

ENG. TTSOH

PILOT'S SIG. A. MacHenry

CUSTOMER SIG. W.E. Brelsford

MTCE. ENG. Alan MacHenry

		SPECIAL REMARKS	FUEL USED	CACHE REMAINING
N.W.T.	☐			
YUKON	☑			
ALBERTA	☐			
B.C.	☐			
SASK.	☐			
MAN.	☐			
ONT.	☐			

Shirley Helicopters Ltd.

Hangar 6A, Municipal Airport
Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74172

DATE July 22 1980 A/C C FHTV

CHARTER ☐ CONTRACT _____ NON-REV. ☐

CUSTOMER Union Oil Anvil - Fishook

ADDRESS _____

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
Drill Crew Change - Sling Core		✓		.6
Geo Out		✓		.3
Drill Check		✓		.4
Drill Crew Move Lower Mast - Sling Pump & Drill Core To Camp		✓		.5
Geo In		✓		.3
Drill Crew In		✓		.3
Geo In		✓		.2
START 0745 FINISH 1800 TOTAL FLIGHT HOURS			2	.6
TOTAL HOURS THIS CONTRACT TO DATE			281	.7

PILOT'S SIG. A. MacHardy

CUSTOMER SIG. [signature]

MTCE. ENG. Alan MacHardy

A/F TTSOH

ENG. TTSOH

N.W.T. ☐
YUKON ☑
ALBERTA ☐
B.C. ☑
SASK. ☐
MAN. ☐
ONT. ☐
QUE. ☐

SPECIAL REMARKS

FUEL USED	CACHE REMAINING

Shirley Helicopters Ltd.

Hangar 6A, Municipal Airport
Edmonton, Alberta
Phone 453-5121

FLIGHT TICKET

A 74171

DATE July 21 1980 A/C C-FHTV

CHARTER ☐ CONTRACT _____ NON-REV. ☐

CUSTOMER Union Oil Anvil - Fishook

ADDRESS _____

P.O. # PROJECT

FLIGHT/PASSENGER DETAILS	Fuel Supplied By S.H.L.	Fuel Supplied By CUST.	HRS.	MIN.
Geo Out		✓		.4
Drill Crew Change		✓		.5
MTS Out - Grumm		✓		.5
Sling Fuel/Grease Grumm - Tay Mtn		✓		.6
Grease To Drill Geo In		✓		.5
Geo Out Sling Core		✓		.4
Geo In		✓		.2
Drill Crew Change - Sling Core		✓		.5
START 0751 FINISH 2011 TOTAL FLIGHT HOURS			3	.4
TOTAL HOURS THIS CONTRACT TO DATE			279	.1

PILOT'S SIG. A. MacHardy

CUSTOMER SIG. [signature]

MTCE. ENG. Alan MacHardy

A/F TTSOH

ENG. TTSOH

N.W.T. ☐
YUKON ☑
ALBERTA ☐
B.C. ☐
SASK. ☐
MAN. ☐
ONT. ☐
QUE. ☐

SPECIAL REMARKS

FUEL USED	CACHE REMAINING