MAP NO.: 105 G 6	ASSESSMENT REPORT X PROSPECTUS CONFIDENTIAL X OPEN FILE	DOCUMENT NO: 092757 MINING DISTRICT: Watson Lake TYPE OF WORK: Geological, Geochemical

REPORT FILED UNDER: Cominco Limited

DATE PERFORMED: August 1-30, 1989 DATE FILED: 12 October, 1989

LOCATION: LAT.: 61° 20'N AREA: Hoole River

LONG.: 131° 00'W VALUE $: 36,450.00

CLAIM NAME & NO.: ANO 1-11 YB 15420-430; CYR 36,38 YA 35461,463;
HOOLE 1-68 YB 15527-594

WORK DONE BY: D.L. Craig

WORK DONE FOR: Cominco Limited

DATE TO GOOD STANDING:

REMARKS: #69 CYR Mapping (1:5000 scale), soil & rock geochemistry were carried out. Rock chip samples of outcrop expression of 1977 drillholes yielded three 1 m intervals of over 97% combined Pb-Zn; 3m of over 7% combined Pb-Zn; and 2m of over 4% combined Pb-Zn in Ordovician quartzite. Four new Pb-Zn numeralized outcrops were discovered along strike.

COMINCO LTD.

EXPLORATION
NTS: 105 G/6

WESTERN DISTRICT

ASSESSMENT REPORT

GEOLOGY, GEOCHEMISTRY

HOOLE, ANO & CYR CLAIMS

WATSON LAKE M.D., YUKON

HOOLE RIVER AREA

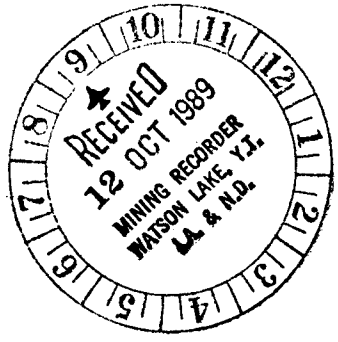
LATITUDE 61 DEGREES 20' N, LONGITUDE 131 DEGREES 20'E

WORK PERIOD AUGUST 1 - 30, 1989

092757

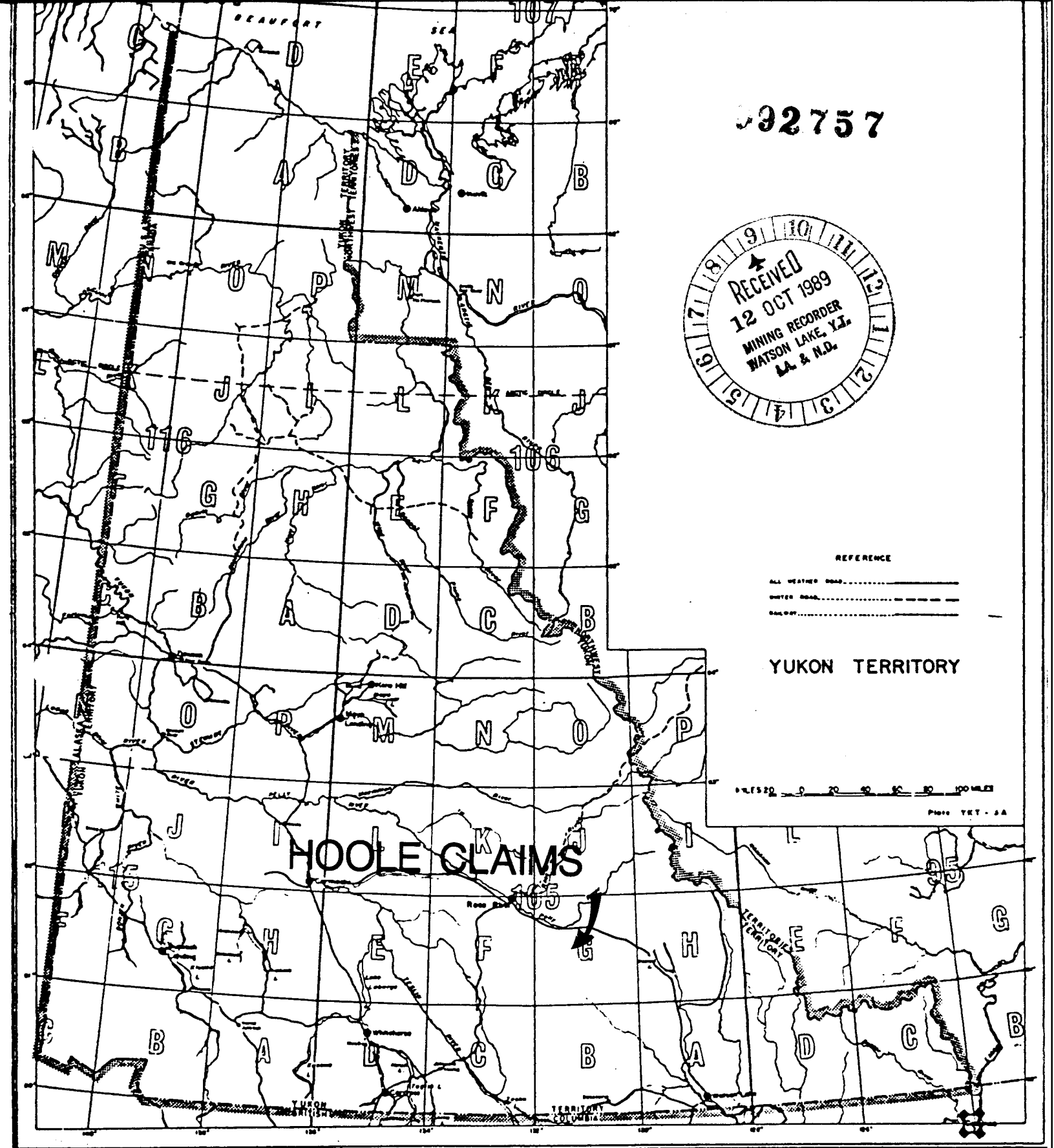
OCTOBER 1, 1989

DUNHAM L. CRAIG



...on examined by
...luation Uni...
...) Yukon Quartz
...s allowed as
...in the amount
36 450.00

for D A Emond
...anager, Exploration and
...Services for Commissioner
...erritory.



092757

RECEIVED
12 OCT 1989
MINING RECORDER
WATSON LAKE, Y.T.

Drawn by: DLC	Traced by:			
No.	Yr.	Date	Revised by:	Date

HOOLE PROPERTY

Scale:

Date: SEPT. 1989

Plate:

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PLATE 5 - AG " " " "
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APPENDIX B - AFFADAVIT
APPENDIX C - STATEMENT OF QUALIFICATIONS

COMINCO LTD.

EXPLORATION
NTS: 105G/6

WESTERN CANADA
SEPT. 28,1989

ASSESSMENT REPORT

HOOLE PROPERTY, YUKON TERRITORY

1. SUMMARY

Cominco Ltd. optioned the CYR claims and the ANO claims in 1988 from S. Barclay and S. Young. The adjoining HOOLE claims were acquired to the east and west by contract staking following the option agreement. In August of 1988 a mapping,soil sampling and lithogeochemistry program was carried out on the property to evaluate the Pb-Zn-Ag potential.

2. LOCATION AND ACCESS

The Hoole property is located south of the Hoole River at 61.33 degrees latitude and 131.33 degrees longitude on NTS map sheet 105G/6. Access is by helicopter 90 km southeast from Ross River. A 50 km long Cat trail connects the northern end of the property to the Robert Cambell Highway.

3. TOPOGRAPHY

The claim group covers a semi mountainous zone on the northern edge of the Pelly Mountains. The elevation ranges from 1300 meters to 2200 meters in moderate to steeply sloping ground. Small scrub coniferous and deciduous vegetation ends at the 1400 meter contour and the ground cover is alpine heather above 1400 m. Glaciation has played the major role in developing the current landform.

4. PROPERTY AND OWNERSHIP

The property consists of the following claims:

LOCATION: On the Hoole River, Watson Lake M.D.
Lat. 61 deg. 22'N; Long. 131 deg. 20'W

PROPERTY: 82 Claims = 81 Units; Total Area + 4,184 Acres

	Claims	Units	Tag No.	Date Rec'd	Due Date
A.	ANO 1	1	YB 15420	Oct. 4/88	Oct. 4/89
	ANO 2	1	YB 15421	"	"
	ANO 3	1	YB 15422	"	"
	ANO 4	1	YB 15423	"	"

	ANO 5	1	YB 15424	"	"
	ANO 6	1	YB 15425	"	"
	ANO 7	1	YB 15426	"	"
	ANO 8	1	YB 15427	"	"
	ANO 9	1	YB 15428	"	"
	ANO 10	1	YB 15429	"	"
	ANO 11	1	YB 15430	"	"
B.	CYR 36	1	YA 35461	Sept. 13/78	Sept. 13/89
	CYR 38	1	YA 35463	"	"
	HOOLE 1	1	YB 15527	Nov. 3/88	Nov. 3/89
	HOOLE 2	1	YB 15528	"	"
	HOOLE 3	1	YB 15529	"	"
	HOOLE 4	1	YB 15530	"	"
	HOOLE 5	1	YB 15531	"	"
	HOOLE 6	1	YB 15532	"	"
	HOOLE 7	1	YB 15533	"	"
	HOOLE 8	1	YB 15534	"	"
	HOOLE 9	1	YB 15535	"	"
	HOOLE 10	1	YB 15536	"	"
	HOOLE 11	1	YB 15537	"	"
	HOOLE 12	1	YB 15538	"	"
	HOOLE 13	1	YB 15539	"	"
	HOOLE 14	1	YB 15540	"	"
	HOOLE 15	1	YB 15541	"	"
	HOOLE 16	1	YB 15542	"	"
	HOOLE 17	1	YB 15543	"	"
	HOOLE 18	1	YB 15544	"	"
	HOOLE 19	1	YB 15545	"	"
	HOOLE 20	1	YB 15546	"	"
	HOOLE 21	1	YB 15547	"	"
	HOOLE 22	1	YB 15548	"	"
	HOOLE 23	1	YB 15549	"	"
	HOOLE 24	1	YB 15550	"	"
	HOOLE 25	1	YB 15551	"	"
	HOOLE 26	1	YB 15552	"	"
	HOOLE 27	1	YB 15553	"	"
	HOOLE 28	1	YB 15554	"	"
	HOOLE 29	1	YB 15555	"	"
	HOOLE 30	1	YB 15556	"	"
	HOOLE 31	1	YB 15557	"	"
	HOOLE 32	1	YB 15558	"	"
	HOOLE 33	1	YB 15559	"	"
	HOOLE 34	1	YB 15560	"	"
	HOOLE 35	1	YB 15561	"	"
	HOOLE 36	1	YB 15562	"	"
	HOOLE 37	1	YB 15563	"	"
	HOOLE 38	1	YB 15564	"	"
	HOOLE 39	1	YB 15565	"	"
	HOOLE 40	1	YB 15566	"	"
	HOOLE 41	1	YB 15567	"	"

HOOLE 42	1	YB 15568	"	"
HOOLE 43	1	YB 15569	"	"
HOOLE 44	1	YB 15570	"	"
HOOLE 45	1	YB 15571	"	"
HOOLE 46	1	YB 15572	"	"
HOOLE 47	1	YB 15573	"	"
HOOLE 48	1	YB 15574	"	"
HOOLE 49	1	YB 15575	"	"
HOOLE 50	1	YB 15576	"	"
HOOLE 51	1	YB 15577	"	"
HOOLE 52	1	YB 15578	"	"
HOOLE 53	1	YB 15579	"	"
HOOLE 54	1	YB 15580	"	"
HOOLE 55	1	YB 15581	"	"
HOOLE 56	1	YB 15582	"	"
HOOLE 57	1	YB 15583	"	"
HOOLE 58	1	YB 15584	"	"
HOOLE 59	1	YB 15585	"	"
HOOLE 60	1	YB 15586	"	"
HOOLE 61	1	YB 15587	"	"
HOOLE 62	1	YB 15588	"	"
HOOLE 63	1	YB 15589	"	"
HOOLE 64	1	YB 15590	"	"
HOOLE 65	1	YB 15591	"	"
HOOLE 66	1	YB 15592	"	"
HOOLE 67	1	YB 15593	"	"
HOOLE 68	1	YB 15594	"	"

5. PREVIOUS WORK

Regional reconnaissance work by Newmont Exploration discovered mineralized lead-zinc boulders in a stream bed in 1976 during a routine stream geochemistry program. The Cyr claims were subsequently staked and in 1977 a prospecting, mapping and geochemistry program was undertaken. Detailed mapping defined a mineralised quartzite formation containing galena and sphalerite over a strike length of 200 meters. The soil geochemistry confirmed the outcrop exposure and a drill program took place the following year.

The 1978 drill program placed 5 diamond drill holes over the mineralised outcrop with two holes intersecting greater than 23% combined lead-zinc over .4 to .5 meters. Approximately 100 meters along strike to the southeast a third hole intersected 4.25% lead and 8.10% zinc over 3.0 meters.

In 1979 a enlarged soil geochemistry and regional mapping program outlined an anomalous horizon 10 km northwesterly and

southwesterly of the drill site location. Further work was proposed for 1980 but due to the collapse of base metal prices and the remote location of the property, the claims were allowed to lapse.

The Cyr 36 and 38 claims were staked by S. Barclay in September 1988 and were subsequently surrounded by the Ano 1-11 claims staked by S.Young in October 1988. Cominco staked the Hoole claims in November 1988 to cover the on strike trend of the mineralised horizon.

6. REGIONAL GEOLOGY

The Pelly Mountains, between the Tintina and the St. Cyr Faults, consist of the deposition of the northeast flank of the Pelly-Cassiar Platform (Templeman-Kluit et al.,1978) . The rocks consist of carbonaceous and calcareous pelites and carbonates complexly folded and faulted ranging from upper Cambrian to Devonian in age.Transitional facies between shelf and basin occur to the south east near the St.Cyr Fault resulting in the deposition of bioclastic Silurian reef carbonates. Low grade metamorphism is prevalent throughout the region resulting in fissile shales and phyllites in the pelitic units. Locally, the limestones are recrystallised to a low grade fine grained marble with dolomitized sections.

7. PROPERTY GEOLOGY

The Hoole, Ano and Cyr claims are underlain by the rocks of the Selwyn Basin from Cambrian to Devonian-Mississippian as mapped by the Geological Survey of Canada. These Selwyn Basin rocks are fault contacted by the Tintina Trench to the north and the St. Cyr Fault to the south.

The rocks strike 300 degrees and are complexly folded and faulted. Eight basic units are exposed on the claims in order of increasing age: calcareous grey shale, sandy grey siltstone, bioclastic grey limestone, carbonaceous limestone, carbonaceous shale, calcareous and carbonaceous shale, grey quartzite/chert, grey siltstone and orange/brown weathering siltstone. Local repeat sections of stratigraphy suggest that anticlinal, synclinal and fault slice structures exist normal to strike and continue to the Tintina Trench.

Thrust faulting occurs on the south western section of the claim group with Devonian-Mississipian siltstones over thrusting Silurian-Ordovician pelitic and bioclastic rocks to the northeast. To the northeast of the thrust fault, a synclinal structure exists with Silurian carbonates in the core of the fold followed by graptolitic Ordovician shale and quartzite

underneath.

Within the Ordovician quartzite, lead-zinc-silver mineralization occurs as blebs and clots with disseminated and blebby pyrite. This previously drilled outcrop exposure yielded 13.75% Pb, 10.04 Zn and 2.14 oz/ton Ag over .4m and widens down dip to 4.55% Pb, 9.22% Zn and 1.20 oz/ton Ag over 2.3 meters.

8. 1989 RESULTS

In 1989 Cominco took surface rock chip samples of the outcrop expression of the drill holes. Chip samples D9HO60 1-9 and A-O (see Appendix D) yielded
three one meter intervals of greater than 9% combined Pb+Zn in quartzite. Chip samples D9HO61 0-4 yielded 3 meters of greater than 7% combined Pb+Zn in quartzite. Chip samples D9HO59 1-9 yielded 2 meters of greater than approximately 4% combined Pb+Zn in quartzite.

Prospecting on the claims in 1989 discovered four new mineralized outcrops of galena and sphalerite with minor pyrite in a grey siltstone host northeast and parallel to the strike of the known quartzite zone. Rock chip samples D9HO60, 61, 59 and 66 are displayed in Appendix D and Plate 1.

Soil grid geochemistry confirmed both the quartzite mineralization and the trend of the mineralization in the grey siltstone.

Soil contour geochemistry indicated further mineralization to the east of the grid installed in 1989 and provided a target for further work in 1990.

Property mapping on a 1:5000 scale provided stratigraphic control through rock correlation and fossil age dating. Mineralization appears to be Ordovician in age and correlation between the mineralized quartzite and the mineralized grey shale/siltstone is an untested possibility.

9. CONCLUSIONS

Mapping and geochemistry has revealed that a mineralized horizon exists on the Hoole Property that is Ordivician in age. Four new outcrops were discovered that exibited mineralization in a host grey siltstone that is currently untested.

Reported by: _____
D.L. Craig, Geologist

Approved for release by: _____
W.J. Wolfe, Manager
Exploration
Western District

APPENDIX A

STATEMENT OF EXPENDITURES

AUGUST 1, 1989 TO AUGUST 30, 1989

Staff Costs			
Permanent supervisory staff			
K.R.Pride	25 days @ $368/day	$9200	
D.L.Craig	30 days @ $186/day	$5580	
B. Topping	20 days @ $138/day	$2760	
D. Jones	10 days @ $111/day	$1110	
G. Galbraith	10 days @ $111/day	$1110	
		$ 19760	
			$19760
Geology (equipment and supplies)			$ 9126
Geology (expense account)			$ 5137
Geology (food)			$ 2939
Geochemistry (assays and analysis)			$ 6625
Transportation			
Helicopter			$24818
4x4 Truck Rental			$ 551
Fuel			$ 495
Freight			$ 1372
Camp cost (supplies and equipment)			$ 3245
(contract)			$ 6917
Drafting & Report Writing (7 days @ $250/day)			$ 1750
Communications (radio rental)			$ 2080
TOTAL EXPENSES			**$84815**

APPENDIX B

AFFIDAVIT

I, Dunham L. Craig of the city of Victoria, B.C. in the province of British Columbia make oath and say:

1. That I am employed as a Geologist by Cominco Ltd. and as such have a personal knowledge of the facts to which I hereinafter dispose;

2. That annexed hereto and marked as Appendix A, to this my affidavit is a true copy of expenditures incurred in connection with a geological and geochemical program carried out on the Hoole, Ano and Cyr mineral claims;

3. That said expenditures were incurred between the 1st day of August and the 30th day of August, 1989 for the purpose of mineral exploration on the above noted claims.

Dunham L. Craig
Geologist

Dated this 16 day of OCTOBER, 1989
at Vancouver, British Columbia.

APPENDIX C

STATEMENT OF QUALIFICATIONS

I, Dunham L. Craig of the City of Victoria in the Province of British Columbia, hereby certify:

1. That I am a geologist residing at 1325 Kings Road, Victoria, British Columbia with a business address at #700- 409 Granville St, Vancouver, British Columbia.

2. That I graduated with a B.Sc in Geology from the University of British Columbia in 1988.

3. That I am a member in good standing with the Association of Exploration Geochemists

4. That I have practiced geology with Cominco from June 1988 to the present.

Dunham L. Craig
Geologist

Dated this 6 day of OCTOBER, 1989
at Vancouver, B.C.

APPENDIX D

ROCK GEOCHEMISTRY

HOOLE ROCK SAMPLES 1989

LAB NO	FIELD NO	PB	ZN	AG	BA	P2O5
R8916988	T1	3680	286000	17.3	310	
R8916987	T2	3260	14000	17.5	383	
R8916989	T4	83	13500	.4	1208	
R8916990	T6	9940	15400	18.8	368	
R8916991	T7	31700	48800	96.2	167	
R8916992	T11	371000	11800	428	121	
R8916993	T12	138000	25200	187	161	
R8916994	T14	4870	403000	62.7	148	
R8916995	T22	5850	1230	4.7	854	976
R8916996	T23	328	3340	2.7	256	665
R8916997	T25	396	171	.4	1232	
R8916998	T26	101	455	2	10552	
R8916999	T29	289500	58000	135	447	
R8917000	T30	19800	50900	10	426	
R8917001	T31	417	264000	16.1	807	
R8917002	T32	1590	644	.4	232	
R8917003	T37	293500	281000	348	137	
R8917004	T38	39300	34700	39	329	
R8917005	T51	359	559	.4	286	
R8917052	D9H01	153500	103400	262	453	
R8917043	D9H02	18	270	1	4426	3288
R8917045	D9H05	37	86	.4	329	2154
R8917044	D9H06	14	155	.5	681	680
R8917046	D9H07	11	259	.6	739	793
R8917049	D9H014	44100	3680	65.7	355	3525
R8917047	D9H016	9	177	.4	845	2157
R8917048	D9H018	10	111	.4	2942	1136
R8917050	D9H031	66	49	.6	2658	751
R8917051	D9H032	69	106	.4	443	716
R8917009	D9H048	18000	189	39.9	2378	318
R8917014	D9H0491	174	1084	.4	1212	2023
R8917006	D9H055D	1260	870	1.5	661	824
R8917007	D9H055F	139	593	.7	4549	2227
R8917008	D9H055H	71	333	1.2	3297	1349
R8917079	D9H0601	357	510	2.2	2121	

ROCK CHIP SAMPLES

	METERS						
FROM NORTH TO SOUTH							
R8917090	1	D9H0A1	10240	55450	21.4	230	
R8917091	1	D9H0A2	27900	51600	44.2	422	
R8917092	1	D9H0A3	18600	49050	27.1	266	
R8917093	1	D9H0A4	266	4080	.7	431	
R8917094	1	D9H0A5	218	5250	.4	454	
R8917095	1	D9H0A6	106	23000	.4	352	
R8917096	1	D9H0A7	2760	101100	12.5	265	
R8917097	1	D9H0A8	409	53300	3.7	289	
R8917098	1	D9H0A9	202	2120	.8	732	
FROM NORTH TO SOUTH							
R8917010	1	D9H049A	84	401	.4	1033	602
R8917011	1	D9H049B	662	6880	2.5	972	776
R8917012	1	D9H049C	81500	29100	95.5	636	870
R8917013	1	D9H049D	570	1041	.5	997	1940
R8917015	1	D9H049F	65800	15700	43.3	216	377

FROM SOUTH TO NORTH						
R8917057		D9H0501	1120	10500	4.4	806
R8917053	1	D9H050A	36500	108000	140	459
R8917054	1	D9H050B	2850	29700	23.1	725
R8917055	1	D9H050C	161	6880	.9	797
R8917056	1	D9H050D	5270	47400	14.3	688
FROM SOUTH TO NORTH						
R8917099	2	D9H0522	36	1490	.4	626
R8917100	1	D9H0523	40	42100	.4	424
R8917101	1	D9H0524	138	126000	3.8	230
R8917102	1	D9H0525	86	82500	1	266
R8917103	1	D9H0526	92	23700	.4	242
R8917104	1	D9H0527	79	2610	.4	359
R8917105	1	D9H0528	70	624	.4	403
R8917106	1	D9H0529	765	4840	2.2	459
R8917107	1	D9H05210	595	4410	1.1	470
R8917108	2	D9H05212	1155	3930	3.3	407
R8917109	2	D9H05214	212	4550	.7	373
R8917110	2	D9H05216	498	9180	1.6	327
R8917111	2	D9H05218	1700	839	1.3	436
R8917112	2	D9H05220	4620	10420	9.1	455
R8917113	2	D9H05222	1290	22000	3.4	588
R8917114	2	D9H05224	32	1320	.4	619
FROM SOUTH TO NORTH						
R8917058	1	D9H0551	45600	46200	57.9	193
R8917059	1	D9H0552	15100	77900	23.2	1598
R8917060	1	D9H0553	67650	196000	158	850
R8917061	1	D9H0554	41400	161000	67.7	965
R8917062	1	D9H0555	654	9620	2.5	1622
R8917063	1	D9H0556	7730	11040	11	1334
R8917064	1	D9H0557	276	2930	1.3	2034
R8917065	1	D9H0558	1015	7000	4.3	1701
FROM SOUTH TO NORTH						
R8917066	1	D9H058A	2710	41400	6.9	1946
R8917067	1	D9H058B	4950	41300	7.2	2792
FROM NORTH TO SOUTH						
R8917034	1	D9H0591	16900	21000	40.9	39920
R8917035	1	D9H0592	10060	30200	19	86575
R8917036	1	D9H0593	6180	7220	23	91698
R8917037	1	D9H0594	11510	10330	68.7	52717
R8917038	1	D9H0595	1620	10390	33	60301
R8917039	1	D9H0596	715	11100	14.2	68248
R8917040	1	D9H0597	348	1032	4.9	14710
R8917041	1	D9H0598	264	953	1.8	5838
R8917042	1	D9H0599	113	995	3.5	2982
FROM NORTH TO SOUTH						
R8917016	1	D9H0601	1229	2450	1.5	1108
R8917017	1	D9H0602	526	1600	.4	1679
R8917018	1	D9H0603	33600	147000	19.8	2317
R8917019	1	D9H0604	41400	56200	29.5	2563
R8917020	1	D9H0605	10230	55300	8.5	3392
R8917021	1	D9H0606	38500	9740	10	2311
R8917022	1	D9H0607	682	5080	.5	3541
R8917023	1	D9H0608	48700	9010	12.5	4046
R8917024	1	D9H0609	243500	9430	46.7	4793

R8917030	1	D9H060A	733	2610	1.5	3140
R8917031	1	D9H060B	1101	286	2.7	2256
R8917077	1	D9H060C	213	589	.8	1969
R8917078	1	D9H060D	697	620	1.1	2413
R8917080	1	D9H060F	204	366	6.2	2123
R8917032	1	D9H060F	2810	3640	11.6	1140
R8917081	1	D9H060G	441	842	7.8	1844
R8917082	1	D9H060H	3350	474	8.7	2237
R8917083	1	D9H060I	280	737	.9	3225
R8917084	1	D9H060J	63	355	.4	3034
R8917085	1	D9H060K	67	621	.4	3278
R8917033	1	D9H060K	299	53300	30.1	979
R8917086	1	D9H060L	39	348	.4	2385
R8917087	1	D9H060M	103	121	2.5	1377
R8917088	1	D9H060N	84	222	1.6	1513
R8917089	1	D9H060O	53	226	.4	1120
FROM NORTH TO SOUTH						
R8917025	1	D9H0610	51900	26200	13.5	12728
R8917026	1	D9H0611	7480	14900	4.7	8436
R8917027	1	D9H0612	11700	11200	9.5	15974
R8917028	1	D9H0613	52000	16100	46.8	4034
R8917029	1	D9H0614	22700	41200	20.9	3045
FROM NORTH TO SOUTH						
R8917068	1	D9H0661	75	819	.4	204724
R8917069	1	D9H0662	86	1108	.4	76388
R8917070	1	D9H0663	1284	698	1.8	31428
R8917071	1	D9H0664	666	620	1	30241
R8917072	1	D9H0665	3880	1109	3.1	62671
R8917073	1	D9H0666	2780	1087	2.6	57109
R8917074	1	D9H0667	11590	3440	8.3	36187
R8917075	1	D9H0668	10610	4120	7.3	54804
R8917076	1	D9H0669	4750	2800	3.8	104083

APPENDIX E

SOIL GRID AND CONTOUR GEOCHEMISTRY

HOOLE SOIL CONTOURS

LAB_NO	FIELD_NO	EAST	NORTH	PB	ZN	AG	BA
S8916384	106331	1700	0	18	400	0.5	0
S8916385	106332	1700	25	25	790	1.6	0
S8916386	106333	1700	50	26	690	0.4	0
S8916387	106334	1700	75	39	312	1.4	0
S8916388	106335	1700	100	97	510	1.4	0
S8916389	106336	1700	125	64	484	1.4	0
S8916390	106337	1700	150	21	366	1.1	0
S8916391	106338	1700	175	16	122	1.4	0
S8916392	106339	1700	200	18	335	1.0	0
S8916393	106340	1700	225	17	249	1.1	0
S8916394	106341	1700	250	9	125	1.4	0
S8916395	106342	1700	275	12	124	1.4	0
S8916396	106343	1600	0	49	247	1.4	0
S8916397	106344	1600	25	39	620	1.7	0
S8916398	106345	1600	50	50	730	1.4	0
S8916399	106346	1600	75	47	444	0.7	0
S8916400	106347	1600	100	47	508	1.0	0
S8916401	106348	1600	125	34	370	0.9	0
S8916328	106349	1610	275	207	2120	1.5	0
S8916329	106350	1610	300	210	630	1.1	0
S8916330	106351	1610	325	82	397	0.5	0
S8916331	106352	1610	350	155	499	0.9	0
S8916332	106353	1610	375	77	451	0.9	0
S8916333	106354	1610	400	49	420	1.0	0
S8916334	106355	1610	425	48	435	0.9	0
S8916335	106356	1610	450	55	458	1.2	0
S8916336	106357	1610	475	43	477	1.0	0
S8916337	106358	1610	500	34	422	1.2	0
S8915879	106374	1650	0	38	710	1.7	0
S8915880	106375	1650	25	40	275	1.4	0
S8915881	106376	1650	50	59	237	1.4	0
S8915882	106377	1650	75	38	448	1.4	0
S8915883	106378	1650	100	58	395	1.4	0
S8915884	106379	1650	125	72	482	1.4	0
S8915885	106380	1650	150	99	421	0.4	0
S8915886	106381	1650	175	25	188	1.4	0
S8915887	106382	1650	200	32	422	0.6	0
S8915888	106383	1650	225	26	279	0.7	0
S8915889	106384	1650	250	19	202	1.4	0
S8915890	106385	1650	275	20	129	1.4	0
S8916405	106386	1600	225	18	149	1.4	0
S8916404	106387	1600	200	16	280	0.5	0
S8916403	106388	1600	175	20	205	0.6	0
S8916402	106389	1600	150	25	289	0.5	0
S8916267	106390	1470	1890	31	382	1.5	0
S8916268	106401	1610	0	38	408	0.7	0
S8916269	106402	1610	25	20	396	1.1	0
S8916270	106403	1610	50	30	503	2.4	0
S8916271	106404	1610	75	20	258	0.7	0
S8916272	106405	1610	100	17	262	0.4	0
S8916273	106406	1610	125	20	570	1.4	0
S8916274	106407	1610	150	11	263	0.6	0
S8916275	106408	1610	175	13	290	0.7	0

S8916276	106409	1610	200	17	388	0.8	0
S8916277	106410	1610	225	17	314	1.3	0
S8916278	106411	1610	250	18	351	1.4	0
S8916279	106412	1610	275	16	291	1.1	0
S8916280	106413	1610	300	16	610	0.9	0
S8916281	106414	1610	325	13	770	1.2	0
S8916282	106415	1610	350	13	276	0.8	0
S8916283	106416	1610	375	19	193	1.4	0
S8916284	106417	1610	400	16	488	1.2	0
S8916285	106418	1610	425	22	497	1.8	0
S8916286	106419	1610	450	20	450	1.3	0
S8916287	106420	1610	475	19	349	1.6	0
S8916288	106421	1610	500	19	460	1.4	0
S8916289	106422	1610	525	18	350	1.3	0
S8916290	106423	1610	550	17	263	0.6	0
S8916291	106424	1610	575	9	158	0.6	0
S8916292	106425	1610	600	13	323	0.7	0
S8916293	106426	1610	625	18	279	0.9	0
S8916294	106427	1610	650	20	660	1.3	0
S8916295	106428	1610	675	16	252	0.9	0
S8916296	106429	1610	700	15	228	0.8	0
S8916297	106430	1610	725	18	276	0.9	0
S8916298	106431	1610	750	25	550	2.0	0
S8916299	106432	1610	775	25	442	0.9	0
S8916300	106433	1610	800	34	402	0.9	0
S8916301	106434	1610	825	40	490	0.6	0
S8916302	106435	1610	850	47	570	0.7	0
S8916303	106436	0	0	22	800	0.5	0
S8916304	106437	0	0	29	1140	0.8	0
S8916305	106438	0	0	22	590	0.4	0
S8915999	106462	1600	0	21	423	1.5	0
S8916000	106463	1600	25	23	342	0.8	0
S8916001	106464	1600	50	45	207	0.5	0
S8916002	106465	1580	75	399	431	0.7	0
S8916003	106466	1590	100	332	1240	1.4	0
S8916004	106467	1610	125	820	1470	0.9	0
S8916005	106468	1642	150	242	700	0.8	0
S8916006	106469	1650	175	62	640	1.8	0
S8916007	106470	1650	200	51	486	1.5	0
S8916008	106471	1650	225	37	458	1.8	0
S8916009	106472	1650	250	30	302	0.4	0
S8916010	106473	1650	275	35	145	0.4	0
S8916011	106474	1650	300	116	1360	1.3	0
S8916012	106475	1650	325	184	505	0.9	0
S8916013	106476	1650	350	367	720	1.5	0
S8916014	106477	1650	375	157	438	0.8	0
S8916015	106478	1650	400	83	419	0.6	0
S8916016	106479	1650	425	50	408	0.6	0
S8916017	106480	1650	450	40	383	0.8	0
S8916018	106481	1650	475	34	376	1.1	0
S8916019	106482	1650	500	36	403	0.9	0
S8916020	106483	1650	525	37	620	1.5	0
S8916021	106484	1650	550	38	386	1.0	0
S8916022	106485	1650	575	33	448	1.4	0
S8916023	106486	1650	600	34	406	1.3	0

S8916024	106487	1650	625	67	440	1.6	0
S8916025	106488	1650	650	335	770	1.3	0
S8916026	106489	1650	675	2310	960	4.8	0
S8916027	106490	1650	700	40	188	0.6	0
S8916028	106491	1650	725	11	68	0.4	0
S8916029	106492	1650	750	21	141	1.4	0
S8916030	106493	1650	775	31	170	0.6	0
S8916031	106494	1650	800	33	432	1.3	0
S8916032	106495	1650	825	42	343	1.3	0
S8916033	106496	1650	850	63	820	2.4	0
S8916034	106497	1650	875	314	1120	1.4	0
S8916208	111530	1500	0	14	205	0.7	0
S8916209	111531	1500	25	12	163	0.4	0
S8916210	111532	1500	50	13	156	1.4	0
S8916211	111533	1500	75	9	98	1.4	0
S8916212	111534	1500	100	15	176	1.4	0
S8916213	111535	1500	125	14	210	1.4	0
S8916214	111536	1490	150	11	175	1.4	0
S8916215	111537	1500	175	13	194	1.4	0
S8916216	111539	1500	225	15	144	1.4	0
S8916217	111540	1500	250	15	155	1.4	0
S8916218	111541	1500	275	21	93	1.4	0
S8916219	111543	1480	325	22	283	1.4	0
S8916220	111544	1490	350	21	321	0.4	0
S8916221	111545	1490	375	20	402	3.4	0
S8916222	111546	1490	400	20	411	1.9	0
S8916223	111547	1490	425	26	332	0.9	0
S8916224	111548	1490	450	19	373	1.5	0
S8916225	111549	1500	475	20	244	1.5	0
S8916226	111550	1500	500	20	229	1.3	0
S8916227	111551	1500	525	44	529	1.0	0
S8916228	111552	1500	550	22	256	0.6	0
S8916229	111553	1500	575	22	282	0.4	0
S8916230	111554	1500	600	18	287	0.5	0
S8916231	111555	1500	625	46	467	2.2	0
S8916232	111556	1500	650	27	810	5.1	0
S8916233	111557	1500	700	24	303	0.8	0
S8916234	111558	1480	750	15	262	0.8	0
S8916235	111559	1470	800	25	460	0.9	0
S8916236	111560	1470	891	13	312	1.4	0
S8916237	111561	1480	900	18	293	0.4	0
S8916238	111562	1480	950	19	284	1.4	0
S8916239	111563	1480	1000	32	376	0.6	0
S8916240	111564	1480	1050	18	183	0.4	0
S8916241	111565	1480	1100	7	120	0.5	0
S8916242	111566	1480	1150	14	22	0.0	0
S8916243	111567	1480	1200	12	119	1.4	0
S8916244	111568	1480	1250	12	95	1.4	0
S8916245	111569	1480	1300	6	109	1.4	0
S8916246	111570	1480	1350	11	98	1.4	0
S8916247	111571	1480	1400	11	141	0.6	0
S8916248	111572	1480	1450	12	349	0.8	0
S8916249	111573	1480	1475	17	258	0.7	0
S8916250	111574	1480	1500	13	149	0.4	0
S8916251	111575	1480	1525	11	137	0.6	0

S8916252	111576	1480	1550	15	225	1.1	0
S8916253	111577	1470	1575	14	166	0.5	0
S8916254	111578	1480	1600	25	215	0.8	0
S8916255	111579	1480	1625	19	448	0.4	0
S8916256	111580	1480	1650	16	227	1.4	0
S8916257	111581	1480	1675	14	236	1.4	0
S8916258	111582	1480	1700	135	780	0.9	0
S8916259	111583	1470	1716	177	1190	1.0	0
S8916260	111584	1470	1725	15	140	0.7	0
S8916261	111585	1480	1750	40	271	1.3	0
S8916262	111586	1480	1775	21	250	1.7	0
S8916263	111587	1480	1800	22	390	2.2	0
S8916264	111588	1480	1825	23	477	2.1	0
S8916265	111589	1480	1850	35	504	1.3	0
S8916266	111590	1480	1875	20	217	1.4	0
S8915322	111591	0	0	25	504	0.6	16277
S8915323	111592	0	0	27	515	0.5	15233
S8916306	112244	1610	525	175	520	1.6	0
S8916307	112245	1610	550	43	444	1.4	0
S8916308	112246	1610	575	202	710	1.0	0
S8916309	112247	1610	600	36	383	1.4	0
S8916310	112248	1610	625	28	139	1.4	0
S8916311	112249	1610	650	24	309	1.4	0
S8916312	112250	1610	675	27	340	1.0	0
S8916313	112251	1610	700	28	363	0.7	0
S8916314	112252	1610	725	49	436	1.3	0
S8916315	112253	1610	750	246	1490	2.4	0
S8916316	112254	1610	775	458	1280	2.4	0
S8916317	112255	1610	800	236	860	1.1	0
S8916318	112318	1580	0	33	800	3.7	0
S8916319	112319	1580	25	26	363	1.3	0
S8916320	112320	1580	50	28	285	0.5	0
S8916321	112321	1575	100	349	1330	0.8	0
S8916322	112322	1590	125	620	1370	1.8	0
S8916323	112323	1600	150	36	501	1.1	0
S8916324	112324	1600	175	31	415	1.2	0
S8916325	112325	1610	200	24	410	1.3	0
S8916326	112326	1610	225	67	451	0.9	0
S8916327	112327	1610	250	105	590	1.3	0
S8915294	112378	0	0	21	215	0.4	2648
S8915295	112379	0	0	21	363	1.0	15244
S8915296	112380	0	0	24	690	2.1	15817
S8915297	112381	0	0	32	504	2.2	15185
S8915298	112382	0	0	35	610	1.9	4629
S8915299	112383	0	0	30	660	2.2	15349
S8915300	112384	0	0	255	1040	1.9	3081
S8915301	112385	0	0	43	439	1.0	1985
S8915302	112386	0	0	51	499	0.8	2191
S8915303	112387	0	0	26	434	0.7	1796
S8915304	112388	0	0	32	507	1.3	1990
S8915305	112389	0	0	34	780	2.3	2535
S8915306	112390	0	0	36	540	0.9	2914
S8915307	112391	0	0	45	670	0.7	2767
S8915308	112392	0	0	33	511	1.1	2917
S8915309	112393	0	0	52	580	1.0	3425

S8915310	112394	0	0	120	1180	0.9	3722
S8915311	112395	0	0	80	740	0.5	3764
S8915312	112396	0	0	85	455	1.3	3363
S8915313	112397	0	0	39	440	1.1	3616
S8915314	112398	0	0	31	560	1.8	4705
S8915315	112399	0	0	21	730	2.2	4742
S8915316	112400	0	0	30	960	3.4	15148
S8915317	112401	0	0	19	760	2.1	15094
S8915318	112402	0	0	30	1040	3.5	3968
S8915319	112403	0	0	35	630	1.6	4487
S8915320	112404	0	0	17	214	0.6	3089
S8915321	112405	0	0	25	341	1.4	2403
S8916207	112428	0	0	11	149	0.6	0
S8916106	112429	1450	0	16	207	1.1	0
S8916107	112430	1450	25	16	160	0.7	0
S8916108	112431	1450	50	14	246	0.6	0
S8916109	112432	1450	75	18	229	0.7	0
S8916110	112433	1450	100	18	246	0.6	0
S8916111	112434	1450	125	16	235	1.0	0
S8916112	112436	1450	175	12	135	0.6	0
S8916113	112437	1450	200	25	454	1.0	0
S8916114	112438	1450	225	22	327	0.5	0
S8916115	112439	1450	250	6	161	0.5	0
S8916116	112440	1450	275	5	64	0.6	0
S8916117	112441	1450	300	19	294	0.4	0
S8916118	112442	1450	325	60	700	1.5	0
S8916119	112443	1450	350	55	920	2.0	0
S8916120	112444	1450	375	12	171	3.1	0
S8916121	112445	1450	400	21	343	1.0	0
S8916122	112446	1450	425	7	146	0.7	0
S8916123	112447	1450	450	12	198	1.4	0
S8916124	112448	1450	475	13	405	1.1	0
S8916125	112449	1450	500	14	29	0.0	0
S8916126	112450	1450	550	18	232	0.9	0
S8916127	112451	1450	600	16	276	0.4	0
S8916128	112452	1450	650	30	557	1.3	0
S8916129	112453	1450	700	14	214	0.5	0
S8916130	112454	1450	750	7	114	0.5	0
S8916131	112455	1450	800	9	136	0.5	0
S8916132	112456	1450	850	14	66	1.6	0
S8916133	112457	1450	900	6	60	1.4	0
S8916134	112458	1450	950	5	74	1.4	0
S8916135	112459	1450	1000	6	51	1.9	0
S8916136	112460	1450	1050	14	15	0.0	0
S8916137	112461	1450	1100	12	232	1.4	0
S8916138	112462	1450	1150	27	449	1.6	0
S8916139	112463	1450	1200	20	382	1.3	0
S8916140	112464	1450	1250	10	154	0.8	0
S8916141	112465	1450	1275	9	129	0.5	0
S8916142	112466	1450	1300	14	88	1.4	0
S8916143	112467	1450	1325	11	92	1.4	0
S8916144	112468	1450	1350	10	100	0.4	0
S8916145	112469	1450	1400	12	98	1.4	0
S8916146	112470	1450	1450	256	1350	1.2	0
S8916147	112471	1450	1475	9	177	0.5	0

S8916148	112472	1450	1500	131	328	0.7	0
S8916149	112473	1450	1525	126	1550	1.9	0
S8916150	112474	1450	1550	140	395	0.6	0
S8916096	112477	0	0	23	469	0.7	0
S8915332	112489	0	0	1530	2600	1.0	3310
S8916097	112490	0	0	22	490	1.4	0
S8916098	112491	0	0	19	423	1.4	0
S8916099	112492	0	0	82	860	2.3	0
S8916100	112493	0	0	37	271	1.4	0
S8916101	112494	0	0	14	451	1.9	0
S8916102	112495	0	0	6	4870	1.4	0
S8916103	112496	0	0	24	456	0.6	0
S8916104	112497	0	0	8	108	1.4	0
S8916105	112498	0	0	20	324	0.4	0

HOOLE SOIL CONTOURS

LAB_NO	FIELD_NO	EAST	NORTH	PB	ZN	AG	BA
S8916384	106331	1700	0	18	400	0.5	0
S8916385	106332	1700	25	25	790	1.6	0
S8916386	106333	1700	50	26	690	0.4	0
S8916387	106334	1700	75	39	312	1.4	0
S8916388	106335	1700	100	97	510	1.4	0
S8916389	106336	1700	125	64	484	1.4	0
S8916390	106337	1700	150	21	366	1.1	0
S8916391	106338	1700	175	16	122	1.4	0
S8916392	106339	1700	200	18	335	1.0	0
S8916393	106340	1700	225	17	249	1.1	0
S8916394	106341	1700	250	9	125	1.4	0
S8916395	106342	1700	275	12	124	1.4	0
S8916396	106343	1600	0	49	247	1.4	0
S8916397	106344	1600	25	39	620	1.7	0
S8916398	106345	1600	50	50	730	1.4	0
S8916399	106346	1600	75	47	444	0.7	0
S8916400	106347	1600	100	47	508	1.0	0
S8916401	106348	1600	125	34	370	0.9	0
S8916328	106349	1610	275	207	2120	1.5	0
S8916329	106350	1610	300	210	630	1.1	0
S8916330	106351	1610	325	82	397	0.5	0
S8916331	106352	1610	350	155	499	0.9	0
S8916332	106353	1610	375	77	451	0.9	0
S8916333	106354	1610	400	49	420	1.0	0
S8916334	106355	1610	425	48	435	0.9	0
S8916335	106356	1610	450	55	458	1.2	0
S8916336	106357	1610	475	43	477	1.0	0
S8916337	106358	1610	500	34	422	1.2	0
S8915879	106374	1650	0	38	710	1.7	0
S8915880	106375	1650	25	40	275	1.4	0
S8915881	106376	1650	50	59	237	1.4	0
S8915882	106377	1650	75	38	448	1.4	0
S8915883	106378	1650	100	58	395	1.4	0
S8915884	106379	1650	125	72	482	1.4	0
S8915885	106380	1650	150	99	421	0.4	0
S8915886	106381	1650	175	25	188	1.4	0
S8915887	106382	1650	200	32	422	0.6	0
S8915888	106383	1650	225	26	279	0.7	0
S8915889	106384	1650	250	19	202	1.4	0
S8915890	106385	1650	275	20	129	1.4	0
S8916405	106386	1600	225	18	149	1.4	0
S8916404	106387	1600	200	16	280	0.5	0
S8916403	106388	1600	175	20	205	0.6	0
S8916402	106389	1600	150	25	289	0.5	0
S8916267	106390	1470	1890	31	382	1.5	0
S8916268	106401	1610	0	38	408	0.7	0
S8916269	106402	1610	25	20	396	1.1	0
S8916270	106403	1610	50	30	503	2.4	0
S8916271	106404	1610	75	20	258	0.7	0
S8916272	106405	1610	100	17	262	0.4	0
S8916273	106406	1610	125	20	570	1.4	0
S8916274	106407	1610	150	11	263	0.6	0
S8916275	106408	1610	175	13	290	0.7	0
S8916276	106409	1610	200	17	388	0.8	0
S8916277	106410	1610	225	17	314	1.3	0
S8916278	106411	1610	250	18	351	1.4	0
S8916279	106412	1610	275	16	291	1.1	0
S8916280	106413	1610	300	16	610	0.9	0
S8916281	106414	1610	325	13	770	1.2	0
S8916282	106415	1610	350	13	276	0.8	0
S8916283	106416	1610	375	19	193	1.4	0
S8916284	106417	1610	400	16	488	1.2	0
S8916285	106418	1610	425	22	497	1.8	0
S8916286	106419	1610	450	20	450	1.3	0
S8916287	106420	1610	475	19	349	1.6	0
S8916288	106421	1610	500	19	460	1.4	0
S8916289	106422	1610	525	18	350	1.3	0
S8916290	106423	1610	550	17	263	0.6	0
S8916291	106424	1610	575	9	158	0.6	0
S8916292	106425	1610	600	13	323	0.7	0
S8916293	106426	1610	625	18	279	0.9	0
S8916294	106427	1610	650	20	660	1.3	0
S8916295	106428	1610	675	16	252	0.9	0
S8916296	106429	1610	700	15	228	0.8	0
S8916297	106430	1610	725	18	276	0.9	0
S8916298	106431	1610	750	25	550	2.0	0
S8916299	106432	1610	775	25	442	0.9	0
S8916300	106433	1610	800	34	402	0.9	0
S8916301	106434	1610	825	40	490	0.6	0
S8916302	106435	1610	850	47	570	0.7	0
S8916303	106436	0	0	22	800	0.5	0
S8916304	106437	0	0	29	1140	0.8	0
S8916305	106438	0	0	22	590	0.4	0
S8915999	106462	1600	0	21	423	1.5	0
S8916000	106463	1600	25	23	342	0.8	0
S8916001	106464	1600	50	45	207	0.5	0
S8916002	106465	1580	75	399	431	0.7	0
S8916003	106466	1590	100	332	1240	1.4	0
S8916004	106467	1610	125	820	1470	0.9	0
S8916005	106468	1642	150	242	700	0.8	0
S8916006	106469	1650	175	62	640	1.8	0
S8916007	106470	1650	200	51	486	1.5	0
S8916008	106471	1650	225	37	458	1.8	0
S8916009	106472	1650	250	30	302	0.4	0
S8916010	106473	1650	275	35	145	0.4	0
S8916011	106474	1650	300	116	1360	1.3	0
S8916012	106475	1650	325	184	505	0.9	0
S8916013	106476	1650	350	367	720	1.5	0
S8916014	106477	1650	375	157	438	0.8	0
S8916015	106478	1650	400	83	419	0.6	0
S8916016	106479	1650	425	50	408	0.6	0
S8916017	106480	1650	450	40	383	0.8	0
S8916018	106481	1650	475	34	376	1.1	0
S8916019	106482	1650	500	36	403	0.9	0
S8916020	106483	1650	525	37	620	1.5	0
S8916021	106484	1650	550	38	386	1.0	0
S8916022	106485	1650	575	33	448	1.4	0
S8916023	106486	1650	600	34	406	1.3	0
S8916024	106487	1650	625	67	440	1.6	0
S8916025	106488	1650	650	335	770	1.3	0
S8916026	106489	1650	675	2310	960	4.8	0
S8916027	106490	1650	700	40	188	0.6	0
S8916028	106491	1650	725	11	68	0.4	0
S8916029	106492	1650	750	21	141	1.4	0
S8916030	106493	1650	775	31	170	0.6	0
S8916031	106494	1650	800	33	432	1.3	0
S8916032	106495	1650	825	42	343	1.3	0
S8916033	106496	1650	850	63	820	2.4	0
S8916034	106497	1650	875	314	1120	1.4	0
S8916208	111530	1500	0	14	205	0.7	0
S8916209	111531	1500	25	12	163	0.4	0
S8916210	111532	1500	50	13	156	1.4	0
S8916211	111533	1500	75	9	98	1.4	0
S8916212	111534	1500	100	15	176	1.4	0
S8916213	111535	1500	125	14	210	1.4	0
S8916214	111536	1490	150	11	175	1.4	0
S8916215	111537	1500	175	13	194	1.4	0
S8916216	111539	1500	225	15	144	1.4	0
S8916217	111540	1500	250	15	155	1.4	0
S8916218	111541	1500	275	21	93	1.4	0
S8916219	111543	1480	325	22	283	1.4	0
S8916220	111544	1490	350	21	321	0.4	0
S8916221	111545	1490	375	20	402	3.4	0
S8916222	111546	1490	400	20	411	1.9	0
S8916223	111547	1490	425	26	332	0.9	0
S8916224	111548	1490	450	19	373	1.5	0
S8916225	111549	1500	475	20	244	1.5	0
S8916226	111550	1500	500	20	229	1.3	0
S8916227	111551	1500	525	44	529	1.0	0
S8916228	111552	1500	550	22	256	0.6	0
S8916229	111553	1500	575	22	282	0.4	0
S8916230	111554	1500	600	18	287	0.5	0
S8916231	111555	1500	625	46	467	2.2	0
S8916232	111556	1500	650	27	810	5.1	0
S8916233	111557	1500	700	24	303	0.8	0
S8916234	111558	1480	750	15	262	0.8	0
S8916235	111559	1470	800	25	460	0.9	0
S8916236	111560	1470	891	13	312	1.4	0
S8916237	111561	1480	900	18	293	0.4	0
S8916238	111562	1480	950	19	284	1.4	0
S8916239	111563	1480	1000	32	376	0.6	0
S8916240	111564	1480	1050	18	183	0.4	0
S8916241	111565	1480	1100	7	120	0.5	0
S8916242	111566	1480	1150	14	22	0.0	0
S8916243	111567	1480	1200	12	119	1.4	0
S8916244	111568	1480	1250	12	95	1.4	0
S8916245	111569	1480	1300	6	109	1.4	0
S8916246	111570	1480	1350	11	98	1.4	0
S8916247	111571	1480	1400	11	141	0.6	0
S8916248	111572	1480	1450	12	349	0.8	0
S8916249	111573	1480	1475	17	258	0.7	0
S8916250	111574	1480	1500	13	149	0.4	0
S8916251	111575	1480	1525	11	137	0.6	0
S8916252	111576	1480	1550	15	225	1.1	0
S8916253	111577	1470	1575	14	166	0.5	0
S8916254	111578	1480	1600	25	215	0.8	0
S8916255	111579	1480	1625	19	448	0.4	0
S8916256	111580	1480	1650	16	227	1.4	0
S8916257	111581	1480	1675	14	236	1.4	0
S8916258	111582	1480	1700	135	780	0.9	0
S8916259	111583	1470	1716	177	1190	1.0	0
S8916260	111584	1470	1725	15	140	0.7	0
S8916261	111585	1480	1750	40	271	1.3	0
S8916262	111586	1480	1775	21	250	1.7	0
S8916263	111587	1480	1800	22	390	2.2	0
S8916264	111588	1480	1825	23	477	2.1	0
S8916265	111589	1480	1850	35	504	1.3	0
S8916266	111590	1480	1875	20	217	1.4	0
S8915322	111591	0	0	25	504	0.6	16277
S8915323	111592	0	0	27	515	0.5	15233
S8916306	112244	1610	525	175	520	1.6	0
S8916307	112245	1610	550	43	444	1.4	0
S8916308	112246	1610	575	202	710	1.0	0
S8916309	112247	1610	600	36	383	1.4	0
S8916310	112248	1610	625	28	139	1.4	0
S8916311	112249	1610	650	24	309	1.4	0
S8916312	112250	1610	675	27	340	1.0	0
S8916313	112251	1610	700	28	363	0.7	0
S8916314	112252	1610	725	49	436	1.3	0
S8916315	112253	1610	750	246	1490	2.4	0
S8916316	112254	1610	775	458	1280	2.4	0
S8916317	112255	1610	800	236	860	1.1	0
S8916318	112318	1580	0	33	800	3.7	0
S8916319	112319	1580	25	26	363	1.3	0
S8916320	112320	1580	50	28	285	0.5	0
S8916321	112321	1575	100	349	1330	0.8	0
S8916322	112322	1590	125	620	1370	1.8	0
S8916323	112323	1600	150	36	501	1.1	0
S8916324	112324	1600	175	31	415	1.2	0
S8916325	112325	1610	200	24	410	1.3	0
S8916326	112326	1610	225	67	451	0.9	0
S8916327	112327	1610	250	105	590	1.3	0
S8915294	112378	0	0	21	215	0.4	2648
S8915295	112379	0	0	21	363	1.0	15244
S8915296	112380	0	0	24	690	2.1	15817
S8915297	112381	0	0	32	504	2.2	15185
S8915298	112382	0	0	35	610	1.9	4629
S8915299	112383	0	0	30	660	2.2	15349
S8915300	112384	0	0	255	1040	1.9	3081
S8915301	112385	0	0	43	439	1.0	1985
S8915302	112386	0	0	51	499	0.8	2191
S8915303	112387	0	0	26	434	0.7	1796
S8915304	112388	0	0	32	507	1.3	1990
S8915305	112389	0	0	34	780	2.3	2535
S8915306	112390	0	0	36	540	0.9	2914
S8915307	112391	0	0	45	670	0.7	2767
S8915308	112392	0	0	33	511	1.1	2917
S8915309	112393	0	0	52	580	1.0	3425
S8915310	112394	0	0	120	1180	0.9	3722
S8915311	112395	0	0	80	740	0.5	3764
S8915312	112396	0	0	85	455	1.3	3363
S8915313	112397	0	0	39	440	1.1	3616
S8915314	112398	0	0	31	560	1.8	4705
S8915315	112399	0	0	21	730	2.2	4742
S8915316	112400	0	0	30	960	3.4	15148
S8915317	112401	0	0	19	760	2.1	15094
S8915318	112402	0	0	30	1040	3.5	3968
S8915319	112403	0	0	35	630	1.6	4487
S8915320	112404	0	0	17	214	0.6	3089
S8915321	112405	0	0	25	341	1.4	2403
S8916207	112428	0	0	11	149	0.6	0
S8916106	112429	1450	0	16	207	1.1	0
S8916107	112430	1450	25	16	160	0.7	0
S8916108	112431	1450	50	14	246	0.6	0
S8916109	112432	1450	75	18	229	0.7	0
S8916110	112433	1450	100	18	246	0.6	0
S8916111	112434	1450	125	16	235	1.0	0
S8916112	112436	1450	175	12	135	0.6	0
S8916113	112437	1450	200	25	454	1.0	0
S8916114	112438	1450	225	22	327	0.5	0
S8916115	112439	1450	250	6	161	0.5	0
S8916116	112440	1450	275	5	64	0.6	0
S8916117	112441	1450	300	19	294	0.4	0
S8916118	112442	1450	325	60	700	1.5	0
S8916119	112443	1450	350	55	920	2.0	0
S8916120	112444	1450	375	12	171	3.1	0
S8916121	112445	1450	400	21	343	1.0	0
S8916122	112446	1450	425	7	146	0.7	0
S8916123	112447	1450	450	12	198	1.4	0
S8916124	112448	1450	475	13	405	1.1	0
S8916125	112449	1450	500	14	29	0.0	0
S8916126	112450	1450	550	18	232	0.9	0
S8916127	112451	1450	600	16	276	0.4	0
S8916128	112452	1450	650	30	557	1.3	0
S8916129	112453	1450	700	14	214	0.5	0
S8916130	112454	1450	750	7	114	0.5	0
S8916131	112455	1450	800	9	136	0.5	0
S8916132	112456	1450	850	14	66	1.6	0
S8916133	112457	1450	900	6	60	1.4	0
S8916134	112458	1450	950	5	74	1.4	0
S8916135	112459	1450	1000	6	51	1.9	0
S8916136	112460	1450	1050	14	15	0.0	0
S8916137	112461	1450	1100	12	232	1.4	0
S8916138	112462	1450	1150	27	449	1.6	0
S8916139	112463	1450	1200	20	382	1.3	0
S8916140	112464	1450	1250	10	154	0.8	0
S8916141	112465	1450	1275	9	129	0.5	0
S8916142	112466	1450	1300	14	88	1.4	0
S8916143	112467	1450	1325	11	92	1.4	0
S8916144	112468	1450	1350	10	100	0.4	0
S8916145	112469	1450	1400	12	98	1.4	0
S8916146	112470	1450	1450	256	1350	1.2	0
S8916147	112471	1450	1475	9	177	0.5	0
S8916148	112472	1450	1500	131	328	0.7	0
S8916149	112473	1450	1525	126	1550	1.9	0
S8916150	112474	1450	1550	140	395	0.6	0
S8916096	112477	0	0	23	469	0.7	0
S8915332	112489	0	0	1530	2600	1.0	3310
S8916097	112490	0	0	22	490	1.4	0
S8916098	112491	0	0	19	423	1.4	0
S8916099	112492	0	0	82	860	2.3	0
S8916100	112493	0	0	37	271	1.4	0
S8916101	112494	0	0	14	451	1.9	0
S8916102	112495	0	0	6	4870	1.4	0
S8916103	112496	0	0	24	456	0.6	0
S8916104	112497	0	0	8	108	1.4	0
S8916105	112498	0	0	20	324	0.4	0

HOOLE ROCK SAMPLES 1989

LAB NO	FIELD NO	PB	ZN	AG	BA	P205
R8916988	T1	3680	286000	17.3	310	
R8916987	T2	3260	14000	17.5	383	
R8916989	T4	83	13500	.4	1208	
R8916990	T6	9940	15400	18.8	368	
R8916991	T7	31700	48800	96.2	167	
R8916992	T11	371000	11800	428	121	
R8916993	T12	138000	25200	187	161	
R8916994	T14	4870	403000	62.7	148	
R8916995	T22	5850	1230	4.7	854	976
R8916996	T23	328	3340	2.7	256	665
R8916997	T25	396	171	.4	1232	
R8916998	T26	101	455	2	10552	
R8916999	T29	289500	58000	135	447	
R8917000	T30	19800	50900	10	426	
R8917001	T31	417	264000	16.1	807	
R8917002	T32	1590	644	.4	232	
R8917003	T37	293500	281000	348	137	
R8917004	T38	39300	34700	39	329	
R8917005	T51	359	559	.4	286	
R8917052	D9H01	153500	103400	262	453	
R8917043	D9H02	18	270	1	4426	3288
R8917045	D9H05	37	86	.4	329	2154
R8917044	D9H06	14	155	.5	681	680
R8917046	D9H07	11	259	.6	739	793
R8917049	D9H014	44100	3680	65.7	355	3525
R8917047	D9H016	9	177	.4	845	2157
R8917048	D9H018	10	111	.4	2942	1136
R8917050	D9H031	66	49	.6	2658	751
R8917051	D9H032	69	106	.4	443	716
R8917009	D9H048	18000	189	39.9	2378	318
R8917014	D9H0491	174	1084	.4	1212	2023
R8917006	D9H055D	1260	870	1.5	661	824
R8917007	D9H055F	139	593	.7	4549	2227
R8917008	D9H055H	71	333	1.2	3297	1349
R8917079	D9H0601	357	510	2.2	2121	

ROCK CHIP SAMPLES

METERS

FROM NORTH TO SOUTH

R8917090	1	D9H0A1	10240	55450	21.4	230
R8917091	1	D9H0A2	27900	51600	44.2	422
R8917092	1	D9H0A3	18600	49050	27.1	266
R8917093	1	D9H0A4	266	4080	.7	431
R8917094	1	D9H0A5	218	5250	.4	454
R8917095	1	D9H0A6	106	23000	.4	352
R8917096	1	D9H0A7	2760	101100	12.5	265
R8917097	1	D9H0A8	409	53300	3.7	289
R8917098	1	D9H0A9	202	2120	.8	732

FROM NORTH TO SOUTH

R8917010	1	D9H049A	84	401	.4	1033	602
R8917011	1	D9H049B	662	6880	2.5	972	776
R8917012	1	D9H049C	81500	29100	95.5	636	870
R8917013	1	D9H049D	570	1041	.5	997	1940
R8917015	1	D9H049F	65800	15700	43.3	216	377

FROM SOUTH TO NORTH

R8917057		D9H0501	1120	10500	4.4	806
R8917053	1	D9H050A	36500	108000	140	459
R8917054	1	D9H050B	2850	29700	23.1	725
R8917055	1	D9H050C	161	6880	.9	797
R8917056	1	D9H050D	5270	47400	14.3	688

FROM SOUTH TO NORTH

R8917099	2	D9H0522	36	1490	.4	626
R8917100	1	D9H0523	40	42100	.4	424
R8917101	1	D9H0524	138	126000	3.8	230
R8917102	1	D9H0525	86	82500	1	266
R8917103	1	D9H0526	92	23700	.4	242
R8917104	1	D9H0527	79	2610	.4	359
R8917105	1	D9H0528	70	624	.4	403
R8917106	1	D9H0529	765	4840	2.2	459
R8917107	1	D9H05210	595	4410	1.1	470
R8917108	2	D9H05212	1155	3930	3.3	407
R8917109	2	D9H05214	212	4550	.7	373
R8917110	2	D9H05216	498	9180	1.6	327
R8917111	2	D9H05218	1700	839	1.3	436
R8917112	2	D9H05220	4620	10420	9.1	455
R8917113	2	D9H05222	1290	22000	3.4	588
R8917114	2	D9H05224	32	1320	.4	619

FROM SOUTH TO NORTH

R8917058	1	D9H0551	45600	46200	57.9	193
R8917059	1	D9H0552	15100	77900	23.2	1598
R8917060	1	D9H0553	67650	196000	158	850
R8917061	1	D9H0554	41400	161000	67.7	965
R8917062	1	D9H0555	654	9620	2.5	1622
R8917063	1	D9H0556	7730	11040	11	1334
R8917064	1	D9H0557	276	2930	1.3	2034
R8917065	1	D9H0558	1015	7000	4.3	1701

FROM SOUTH TO NORTH

R8917066	1	D9H058A	2710	41400	6.9	1946
R8917067	1	D9H058B	4950	41300	7.2	2792

FROM NORTH TO SOUTH

R8917034	1	D9H0591	16900	21000	40.9	39920
R8917035	1	D9H0592	10060	30200	19	86575
R8917036	1	D9H0593	6180	7220	23	91698
R8917037	1	D9H0594	11510	10330	68.7	52717
R8917038	1	D9H0595	1620	10390	33	60301
R8917039	1	D9H0596	715	11100	14.2	68248
R8917040	1	D9H0597	348	1032	4.9	14710
R8917041	1	D9H0598	264	953	1.8	5838
R8917042	1	D9H0599	113	995	3.5	2982

FROM NORTH TO SOUTH

R8917016	1	D9H0601	1229	2450	1.5	1108
R8917017	1	D9H0602	526	1600	.4	1679
R8917018	1	D9H0603	33600	147000	19.8	2317
R8917019	1	D9H0604	41400	56200	29.5	2563
R8917020	1	D9H0605	10230	55300	8.5	3392
R8917021	1	D9H0606	38500	9740	10	2311
R8917022	1	D9H0607	682	5080	.5	3541
R8917023	1	D9H0608	48700	9010	12.5	4046
R8917024	1	D9H0609	243500	9430	46.7	4793
R8917030	1	D9H060A	733	2610	1.5	3140
R8917031	1	D9H060B	1101	286	2.7	2256
R8917077	1	D9H060C	213	589	.8	1969
R8917078	1	D9H060D	697	620	1.1	2413
R8917080	1	D9H060F	204	366	6.2	2123
R8917032	1	D9H060F	2810	3640	11.6	1140
R8917081	1	D9H060G	441	842	7.8	1844
R8917082	1	D9H060H	3350	474	8.7	2237
R8917083	1	D9H060I	280	737	.9	3225
R8917084	1	D9H060J	63	355	.4	3034
R8917085	1	D9H060K	67	621	.4	3278
R8917033	1	D9H060K	299	53300	30.1	979
R8917086	1	D9H060L	39	348	.4	2385
R8917087	1	D9H060M	103	121	2.5	1377
R8917088	1	D9H060N	84	222	1.6	1513
R8917089	1	D9H060O	53	226	.4	1120

FROM NORTH TO SOUTH

R8917025	1	D9H0610	51900	26200	13.5	12728
R8917026	1	D9H0611	7480	14900	4.7	8436
R8917027	1	D9H0612	11700	11200	9.5	15974
R8917028	1	D9H0613	52000	16100	46.8	4034
R8917029	1	D9H0614	22700	41200	20.9	3045

FROM NORTH TO SOUTH

R8917068	1	D9H0661	75	819	.4	204724
R8917069	1	D9H0662	86	1108	.4	76388
R8917070	1	D9H0663	1284	698	1.8	31428
R8917071	1	D9H0664	666	620	1	30241
R8917072	1	D9H0665	3880	1109	3.1	62671
R8917073	1	D9H0666	2780	1087	2.6	57109
R8917074	1	D9H0667	11590	3440	8.3	36187
R8917075	1	D9H0668	10610	4120	7.3	54804
R8917076	1	D9H0669	4750	2800	3.8	104083

0 100 200 300 400 500 600 700 800 900 1000 meters

HOOLE CLAIMS

Cominco

Drawn by: DLC		Traced by:	
Revised by	Date	Revised by	Date

SOIL CONTOURS & ROCK GEOCHEMISTRY

105 G6

(143)

Scale: 1:5000

Date: 10/1989

Plate: 1

FORM 210 - 0680

NCI - 118

092757

LEGEND

DEVONIAN-MISSISSIPPIAN

1	SILTSTONE-	Light grey; fissile; strongly cleaved and foliated locally; calcareous mudstone bands interbedded in fissile shale host.

SILURIAN

2	SILTSTONE-	Grey to brown weathering; medium to coarse grained, uniform sandy to silty texture; non-calcareous.
3a	LIMESTONE-	a).Crinoidal reef limestone, cream to light tan coloured; numerous crinoid stems and Coenites, Favosites
3b		b).Black to grey; carbonaceous; ocassionally thin bedded; granular massive texture.

ORDOVICIAN

4	SHALE-	Black, carbonaceous; locally graphitic, folded and sheared.
5	SHALE-	Black, calcareous and carbonaceous, medium-fine grained; locally silicified.

LOWER ORDOVICIAN/ UPPER CAMBRIAN

6	QUARTZITE-	Dark grey to tan, sugary to fine grained cherty texture, disseminated pyrite with blebs and clots of pyrite sphalerite and galena

CAMBRIAN

7	SILTSTONE-	Grey, noncalcareous, slightly phyllitic, fissile with rusted pyrite phantoms scattered across cleavage surface.
8	SILTSTONE-	Orange\brown weathering, generally non-calcareous with calcareous mudstone lenses 1 to 10cm scattered through unit.

GEOLOGICAL SYMBOLS

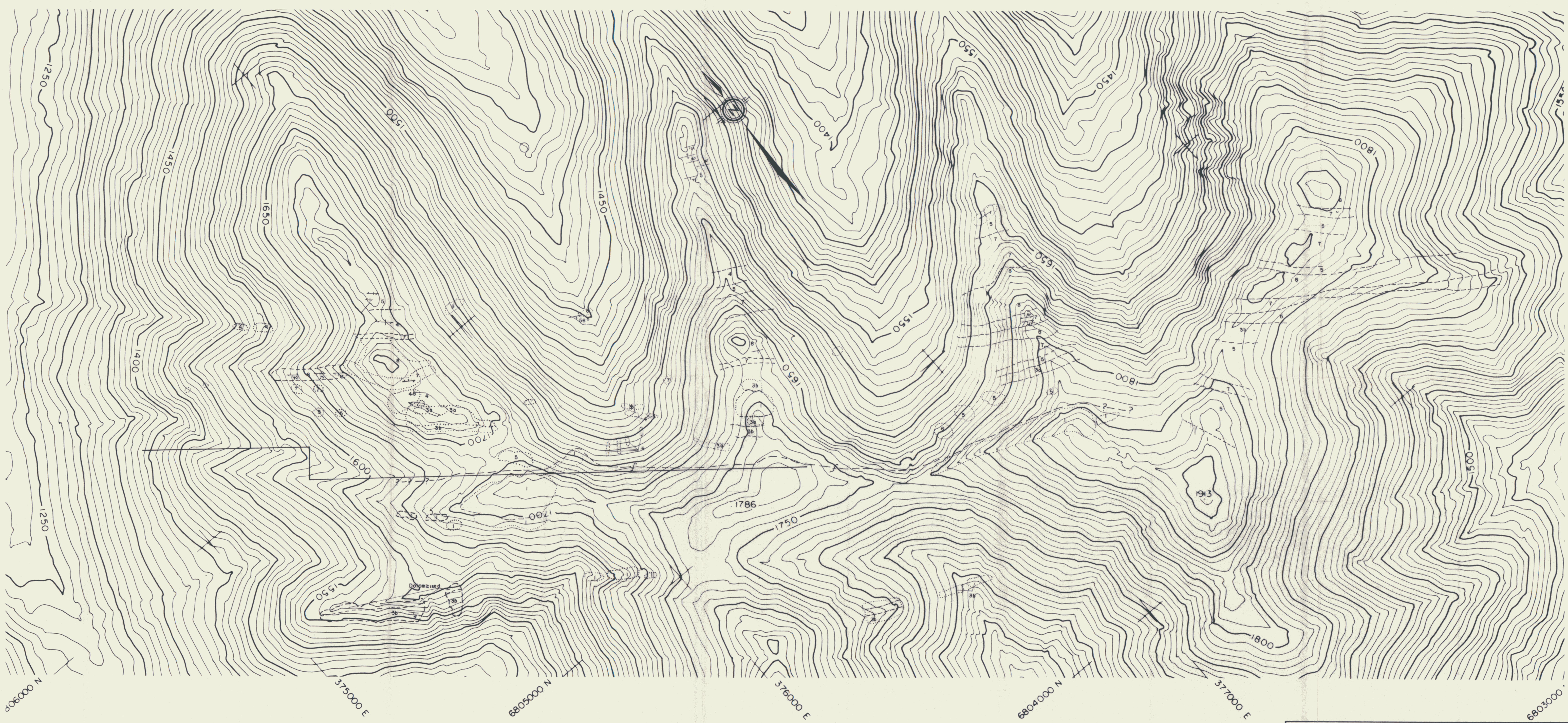
STRIKE & DIP

FOLIATION

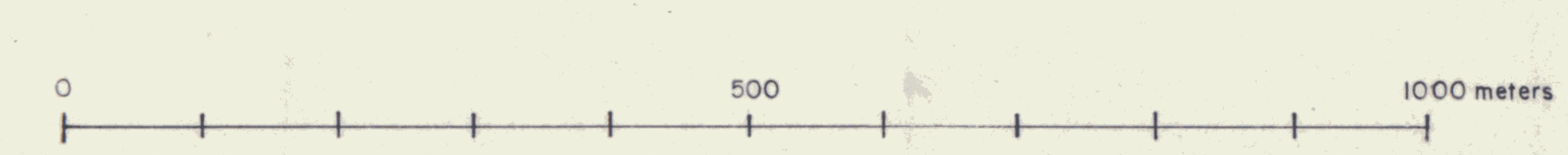
OUTCROP BOUNDRY

CONTACT APPROXIMATE

FAULT POSITION APPROXIMATE

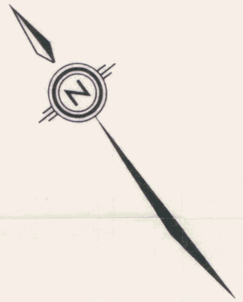


092757



HOOLE CLAIMS				
Drawn by DLC	Traced by	GEOLOGY		144
Revised by / Date	Revised by / Date			105 G 6
Scale 1:5000		Date SEPT. 1989		Plate 2

FORM 210 · 0680



092757

HOOLE PROPERTY

Drawn by: DLC		Traced by:	
Revised by	Date	Revised by	Date

Pb Grid Soil Geochem 1989

145

105 G 6

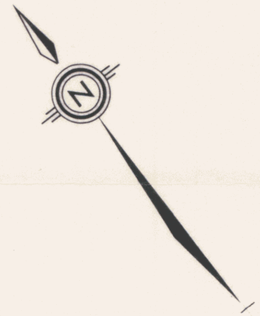
Scale: 1:5000

Date: SEPT. 1989

Plate: 3

FORM #210-0630

NCI 116 (REV) C



HOLE PROPERTY

Drawn by: DLC		Traced by:	
Revised by	Date	Revised by	Date

Zn Grid Soil Geochem 1989

146

105G6

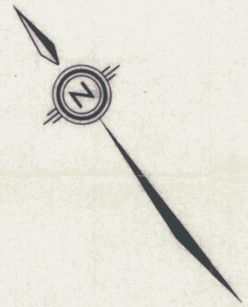
Scale: 1:5000

Date: SEPT. 1989

Plate: 4

FORM #210-0630

NC 116 (REV) C

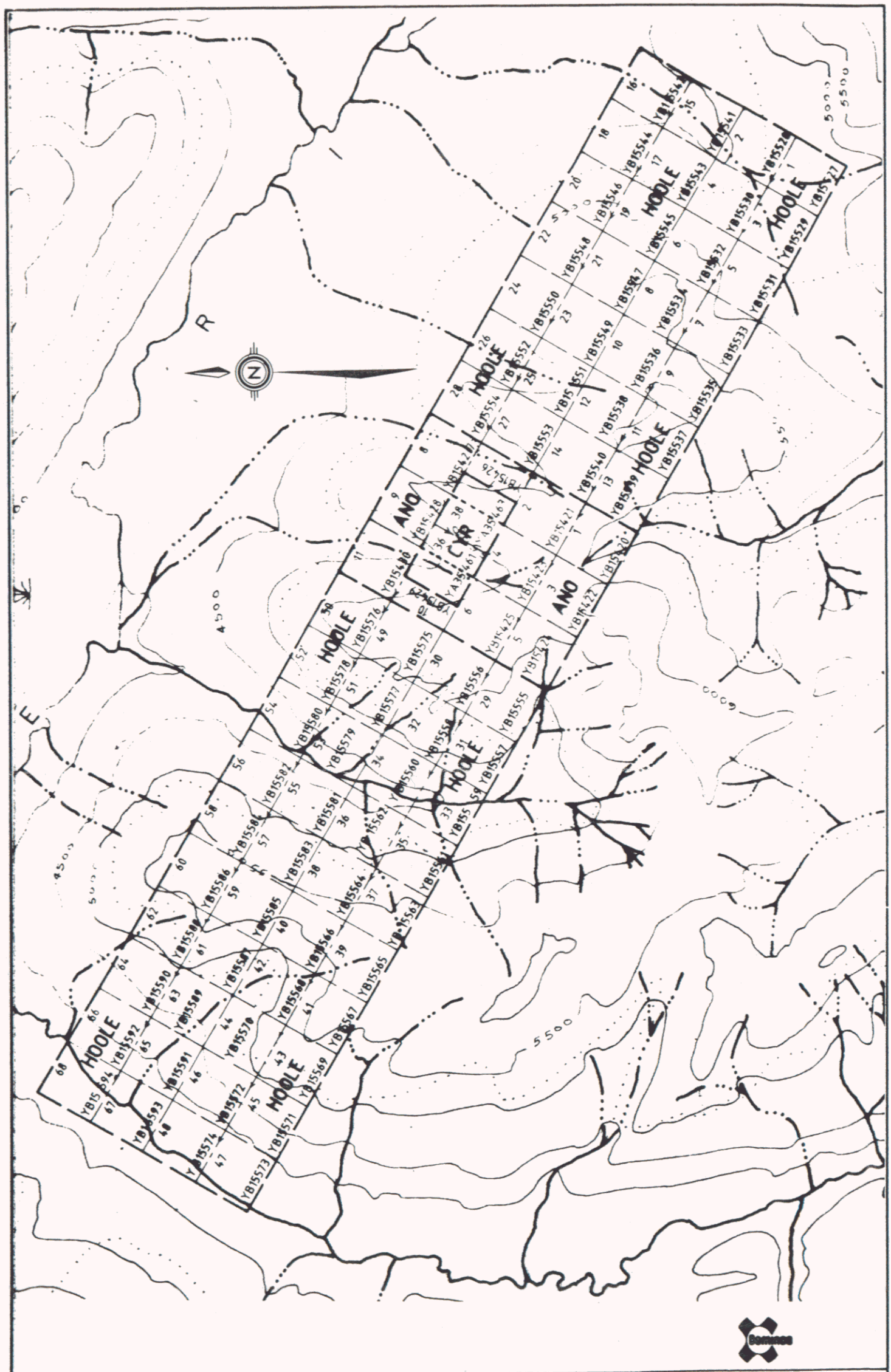


HOOLE PROPERTY

Drawn by: DLC	Traced by:	Ag Grid Soil Geochem 1989	147 10566
Revised by | Date	Revised by | Date		
Scale: 1:5000		Date: SEPT. 1989	Plate: 5

NGI-116-(REV)-C

FORM #210-0830



Drawn by: DLC		Traced by:	
Revised by	Date	Revised by	Date

HOOLE CLAIMS
WATSON MINING DISTRICT

Scale: 1:39360 | Date: SEPT 1989 | Plate: 6

NCI - 112A - CL

210-0610