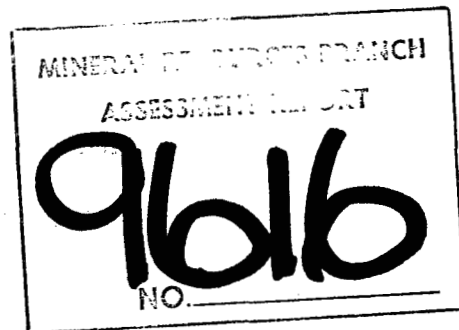


COMINCO LTD.

EXPLORATION  
NTS: 92H/9E

WESTERN DISTRICT



PERCUSSION DRILLING

ASSESSMENT REPORT

ON THE HP AND OSP MINERAL CLAIMS

(OSP 81-1 and OSP 81-2 GROUPS)

OWNED BY COMINCO LTD.

OSPREY LAKE AREA

SIMILKAMEEN MINING DIVISION, B.C.

LATITUDE: 49°42'N

LONGITUDE: 120°08'W

WORK PERIOD:

JUNE 29, 1981 to JULY 6, 1981

14 OCTOBER 1981

H.P. WILTON

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Plate 81-1:	Osprey Property, Index Map	(1:50,000)
Plate 81-2:	Percussion Drill Hole Location Map	(1: 5,000)

PERCUSSION DRILLING  
ASSESSMENT REPORT  
ON THE HP AND OSP MINERAL CLAIMS  
(OSP 81-1 and OSP 81-2 GROUPS)  
OSPREY LAKE AREA  
SIMILKAMEEN MINING DIVISION, B.C.

INTRODUCTION

( i) Location and Access:

The HP and OSP mineral claims are located a few kilometres south and east of Osprey Lake, B.C. They cover most of the area bounded on the south by Shinish Creek, on the west by Empress Creek, and on the north by the valley of Trout Creek. The surface ranges in elevation from 1,000 metres in the Trout Creek valley to over 1,800 metres at the level of the regional Thompson Plateau.

Osprey Lake is located 42 kilometres northeast of Princeton on the all weather road connecting Princeton and Summerland. The claims are accessible by means of a forest access road from Osprey Lake to the head of Shinish Creek or on a partially overgrown logging road across Trout Creek approximately 5 km east of Osprey Lake.

Plate 81-1 enclosed with this report is an index map which illustrates the location of the claims relative to adjoining mineral claims and the main geographic features in the area.

( ii) Property Definition:

The Osprey property is a molybdenum prospect owned and being explored by Cominco Ltd. It presently consists of 13 OSP claims and 11 HP claims totalling 219 units. The OSP 1-9 claims were staked and recorded by Cominco in 1978. The HP 1-8 claims were recorded by H.L. Williams and P. Crean in 1978 and 1979 and were optioned by Cominco in December, 1979. As a condition of the option agreement, ownership of the HP claims was transferred to Cominco in December, 1980. The OSP 10-13 and HP 10 and 11 claims were added to the property by staking in 1980 and 1981.

Most of the ground now covered by the Osprey property was owned and explored by Anaconda in the 1960's. They carried out extensive geochemical and geophysical surveys, bulldozer trenching, and diamond drilling. Anaconda still owns the two blocks of Empress claims which adjoin Cominco's

2.

holdings. Cominco has covered most of the property with geochemical soil and silt surveys between 1979 and 1981. Two percussion drill holes, totalling 195.2 metres, were drilled in September, 1980, near the north end of the HP claim block as a preliminary test of molybdenum soil anomalies.

Molybdenum mineralization is locally associated with leucocratic quartz monzonite and aplite which intrude a more extensive body of coarsely porphyritic granodiorite. All of these intrusive rocks observed on the property are phases of the Okanagan batholith.

(iii) Summary of Work Done:

Six percussion drill holes, two in OSP 81-1 Group totalling 201.2 metres and four in OSP 81-2 Group totalling 387.1 metres, were completed between June 29, 1981, and July 6, 1981. The drilling contractor was Al Miller Percussion Drilling Ltd. of Kamloops. Prior to the drilling, Broadway Bulldozing of Princeton had been contracted to upgrade and extend the access roads and to clear the six drill sites. Permission was granted by the Forest Service to construct a temporary bridge where the access road crosses Trout Creek. The bridge was removed upon completion of the drilling program.

RESULTS AND INTERPRETATION

The purpose of the percussion drilling program reported herein was to follow up on encouraging results obtained in 1980 in two percussion holes on claims HP 3 and 4. The drill holes were located on previously untested molybdenum soil anomalies defined by geochemical surveys in 1980 and early in 1981.

Plate 81-2, enclosed with this report, indicates the locations of the six drill holes relative to the claim boundaries and access roads. All holes were vertical and the individual lengths of the holes are indicated beside each collar location.


The drill cuttings were collected as samples, each representing approximately 3.1 metres of drilling. A random spoonful from each sample was collected at the drill and placed in a separate sample envelope for later microscopic examination in order to prepare a cuttings log. The assay samples were shipped to Cominco's Exploration Research Laboratory in Vancouver where they were analysed geochemically for molybdenum. Mo was determined using an  $\text{HNO}_3\text{-HClO}_4$  digestion/colorimetric method. Appendix A of this report is a tabulated cuttings log which includes the geochemical results expressed as ppm Mo for each sample. The cuttings were examined and described by M.L. Serack, a graduate geologist. The mineral percentages reported are visual estimates only.

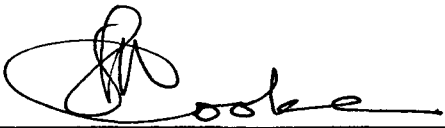
The logs of the drill cuttings indicate that the rocks encountered in the drilling are uniformly feldspathic and leucocratic. Quartz ranges from 10% to 50% and is usually around 20%-30%. On the other hand, total feldspar ranges from 20% to 85% in the cuttings but is only occasionally less than 60%. No attempt was made to determine feldspar compositions due to the very small grain size of the cuttings and the extensive alteration. The total mafic content of most samples is less than 3%, only


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rarely greater than 5%, and consists mainly of partially chloritized biotite. Sericitization and kaolinization, mainly of the feldspars, are well developed in most samples. Very little sulphide content was observed in the cuttings. Most samples contain 1% pyrite or less and only occasional traces of molybdenite, chalcopyrite, or magnetite were observed.

The lowest molybdenum content found in any of the samples was 4 ppm which is greater than the normal crustal abundance of Mo in granitic rocks (2-3 ppm). Most of the samples were found to contain greater than 10 ppm Mo. Total hole averages ranged from 9 ppm Mo/99.4 m in HP 81-1 to 42 ppm Mo/100.0 m in HP 81-5. The Mo values are broadly consistent with only minor fluctuations and no significant concentrations in any of the holes. The highest individual value obtained was 155 ppm (0.0155% Mo) at a depth of approximately 29 metres in PDH - HP 81-6. All of this indicates that the rocks encountered in the six drill holes are uniformly anomalous in their molybdenum content but there is no evidence in the data obtained which would suggest that concentrations of economic grade are present.

Report by:   
H.P. Wilton, Project Geologist

Endorsed by:   
D.L. Cooke, P.Eng.  
Senior Geologist

Approved for  
Release by:  for  
G. Harden, Manager  
Exploration  
Western District

HPW/skg  
Distribution  
Mining Recorder (2)  
Western District (1)

APPENDIX A

PERCUSSION DRILL CUTTINGS LOG

AND ANALYSES

Notes: (1) Descriptions by M.L. Serack  
(2) Mineral Percentages are visual estimates

Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100731	1.2 - 6.1	9	20	72	1	-	Biotite to muscovite(5%); deep blue metallic mineral(tr); 2% clay minerals;
100732	6.1 - 9.1	5	25	70	<1%	-	Biotite to muscovite(10%); sericite -1%; clay minerals 2%
100733	9.1 - 12.2	5	25	67	2-3%	1	Biotite to muscovite/sericite 3%; Clay minerals 2%; Fldsp to clay minerals; molybdenum flake
100734	12.2 - 15.2	6	20	65	<1%	-	Muscovite/sericite 10%; clay minerals 10%
100735	15.2 - 18.3	11	30	40	1%	tr	Sericite/Muscovite 15%; Clay minerals 25%; abundant Fe grains probably altered pyrite
100736	18.3 - 21.3	8	40	40	1%	1	Biotite to sericite (10%); clay minerals 15%
100737	21.3 - 24.4	10	30	40	1%	tr-1%	Flake of Mo; some magnetite; Biotite to muscovite/sericite 15%; Clay minerals 10-15%; Fldsp. altering to white clay minerals.
100738	24.4 - 27.4	6	40	40	1%	1	Biotite to Muscovite/Sericite 10%; Feldspar to clay minerals 10%;
100739	27.4 - 30.5	5	45	40	5%	1	Chlorite alteration; sericite 3%; Feldspar to clay minerals
100740	30.5 - 33.5	10	35	45	5%	1	Sericite/Muscovite 3-5%; Feldspar to Clay minerals; Mafic = Biotite; clay minerals 5%;
100741	33.5 - 36.6	9	30	50	7%	tr	Biotite Chloritized, Feldspar to Clay minerals 10%; Sericite/Muscovite 3%
100742	36.6 - 39.6	5	25	55	3-5%	1	Biotite to Chlorite, Muscovite, Sericite 15%; Clay minerals 2%
100743	39.6 - 42.7	4	25	70	3-5%	tr-1%	Biotite to chlorite, sericite muscovite 3%
100744	42.7 - 45.7	8	20	70	2%	tr	Sericite/Muscovite 5-10%; Some white clay minerals.

Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100745	45.7 - 48.8	9	20	65	1	1	Biotite to Sericite 10%; 5% clay minerals
100746	48.8 - 51.8	9	15	70	1	tr-1%	Feldspar to clay minerals 5%; sericite 10%; biotite to sericite 10%;
100747	51.8 - 54.9	8	25	70	2	tr	Feldspar to white clay minerals 5-10%; sericite 2%
100748	54.9 - 57.9	6	15	75	2	tr	Feldspar to white clay minerals 10%; sericite 2%
100749	57.9 - 61.0	9	15	75	2	tr	Feldspar wo white clay minerals 10%; sericite 2%
100750	61.0 - 64.0	11	10	80	3	tr-1%	Biotite; sericite/muscovite 3%;
100751	64.0 - 67.1	9	10	80	2	tr	Sericite/Muscovite 3%; white clay minerals 5%
100752	67.1 - 70.1	6	10	80	<1	tr	Sericite 10-15%; white clay minerals 5%
100753	70.1 - 73.2	9	10-15	65	<1	tr	Sericite/Muscovite 15%; white clay minerals 10% Feldspar to white clay minerals
100754	73.2 - 76.2	15	10	65	1	-	Sericite/Muscovite 15%; White clay minerals 10%
100755	76.2 - 79.2	13	10	70	2	-	Sericite/Muscovite 5%; White clay minerals 10%
100756	79.2 - 82.3	8	10	75	1	-	Sericite/Muscovite 5%; white clay minerals 10%
100757	82.3 - 85.3	9	30	60	2	tr	Sericite/Muscovite 10%; white clay minerals 2%
100758	85.3 - 88.4	10	10	80	1	-	Sericite/Muscovite 10%; white clay minerals 2%





Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100763	0.0 - 6.1	8	20	80	2	-	Biotite to Chlorite
100764	6.1 - 9.1	5	10	85	1	tr	Biotite to Chlorite; White Mica 3%;
100765	9.1 - 12.2	5	20	75	tr	1	Biotite to Chlorite to White Mica (5%);
100766	12.2 - 15.2	14	10	85	1	1	Biotite to Chlorite and White Mica (3%); MoS <sub>2</sub> flake
100767	15.2 - 18.3	16	10	85	1	1	Biotite to Chlorite and White Mica (3%); Clay minerals 1%
100768	18.3 - 21.3	8	15	80	1	tr	Clay minerals 5%
100769	21.3 - 24.4	9	10	80	1	tr	Clay minerals 10%
100770	24.4 - 27.4	11	15	70	1	tr	White Mica 5%; Clay minerals 10%
100771	27.4 - 30.5	8	10	70	1	tr	White Mica 5%; Clay minerals 15%
100772	30.5 - 33.5	28	10	70	1	tr	White Mica 5%; Clay minerals 15%
100773	33.5 - 36.6	20	10	75	tr	tr	Biotite to Chlorite; Clay minerals 15%
100774	36.6 - 39.6	5	10	85	1	tr	Biotite to Chlorite; Clay minerals 5%
100775	39.6 - 42.7	17	15	80	2	tr	White Mica 1%; Biotite to chlorite
100776	42.7 - 45.7	7	10	85	1	tr	Biotite to Chlorite; White Mica 2%; Clay minerals 2%

Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100777	45.7 - 48.8	6	10	85	tr	tr	Biotite to chlorite; White Mica 2%; Clay minerals 5%
100778	48.8 - 51.8	12	5	80	tr	tr	White Mica 2%; Clay minerals 5-10%
100779	51.8 - 54.9	12	10	75	1	tr	White Mica 2%; Clay minerals 15%
100780	54.9 - 57.9	8	25	70	3	tr	White mica 5%; Biotite to Chlorite to White Mica; Clay minerals 1%
100781	57.9 - 61.0	7	15	70	1	tr	Clay minerals 10%; White Mica 5%
100782	61.0 - 64.0	4	30	65	2	1	White Mica 3%; Biotite to Chlorite to Sericite
100783	64.0 - 67.1	6	20	75	1	tr	White Mica 2%; Clay minerals 2%
100784	67.1 - 70.1	9	20	70	tr	tr	White Mica 2%; Clay Minerals 5%
100785	70.1 - 73.2	15	25	70	1	tr	White Mica 2%; Clay Minerals 5%
100786	73.2 - 76.2	8	25	65	1	tr	White Mica 3%; Clay Minerals 5%; Biotite to Chlorite
100787	76.2 - 79.2	11	25	70	1	tr	White Mica 2%; Clay Minerals 2%
100788	79.2 - 82.3	8	20	70	2	tr	White Mica 5%; Clay Minerals 2%; Biotite to Sericite & Chlorite
100789	82.3 - 85.3	12	20	70	1	tr	White Mica 5%; Clay Minerals 5%
100790	85.3 - 88.4	8	25	55	tr	tr	White Mica 10%; Clay Minerals 7%



Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100793	13.4 - 18.3	10	15	80	1	tr	Sericite/Muscovite 2%; White clay minerals 5%
100794	18.3 - 21.3	23	10	80	2	1	Sericite/Muscovite 3%; White clay minerals 5-10%
100795	21.3 - 24.4	34	10	80	1	2	Biotite to Chlorite & Sericite 10%
100796	24.4 - 27.4	28	20	75	1	1	Molybdenum flake; trace magnetite; Sericite 2%; White clay minerals 2%
100797	27.4 - 30.5	14	10	85	1	1	Magnetite; White clay minerals 2%
100798	30.5 - 33.5	14	10	85	<1	tr	Sericite/Muscovite 3%; White clay minerals 2% magnetite
100799	33.5 - 36.6	14	30	65	1	1	Sericite/Muscovite 3%;
100800	36.6 - 39.6	15	30	65	1	tr	Biotite to Sericite/Muscovite 5%;
100801	39.6 - 42.7	13	25	70	1	tr	Sericite/Muscovite 5%;
100802	42.7 - 45.7	12	10	85	1	tr	Sericite/Muscovite 5%; Clay minerals 2%;
100803	45.7 - 48.8	18	20	75	1	tr	Sericite/Muscovite 3%; Clay minerals 2%;
100804	48.8 - 51.8	27	12	85	1	tr	Sericite/Muscovite 1%; Clay minerals 1%;
100805	51.8 - 54.9	16	15	80	1	tr	Sericite/Muscovite 1%; Clay minerals 2%;
100806	54.9 - 57.9	13	20	80	tr	tr	trace chlorite; Mafics mainly biotite, possibly some hornblende

Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100807	57.9 - 61.0	22	15	80	tr	tr	White clay minerals 2%; White mica 1%
100808	61.0 - 64.0	18	10	85	1	1	Trace chlorite; white clay minerals 2%; White mica 1%; Biotite to White mica & chlorite;
100809	64.0 - 67.1	26	20	75	2	1	Biotite to White mica 1%; Clay minerals 1%; trace chlorite;
100810	67.1 - 70.1	27	10	85	1	1	Clay minerals 2%; White mica 1%;
100811	70.1 - 73.2	22	45	50	1	-	White mica 2%; Clay minerals 3%
100812	73.2 - 76.2	23	30	70	1	tr	White mica 1%
100813	76.2 - 79.2	18	30	65	1	-	White mica 3%
100814	79.2 - 82.3	18	30	65	1	-	White clay minerals 2%
100815	82.3 - 85.3	14	30	65	1	1	White clay minerals 5%; Biotite to sericite
100816	85.3 - 88.4	11	25	55	2	tr	White clay minerals 15%;
100817	88.4 - 91.4	15	30	30	1	-	White clay minerals 30%; White mica 3%;
100818	91.4 - 94.5	14	30	20	tr	tr	White clay minerals 50%;
100819	94.5 - 97.5	13	30	35	tr	tr	White clay minerals 30%;
100820	97.5 - 100.6	13	50	30	tr	tr	White clay minerals 20%;

END OF HOLE @ 100.6 metres

Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100821	0.9 - 6.1	13	15	80	tr	tr	White Mica 2%;?Some hornblende
100822	6.1 - 9.1	32	40	50	3	1	White Mica 3%; Clay Minerals 5%; Biotite to Chlorite to White Mica
100823	9.1 - 12.2	24	40	35	5	1	White Mica 3%; Clay Minerals 15%; Biotite to Chlorite to White Mica; Feldspar to White Mica and Clay Minerals;
100824	12.2 - 15.2	26	20	75	2	2	Chalcopyrite trace; White Mica 2%; Clay minerals 1%; Biotite to Chlorite;
100825	15.2 - 18.3	75	15	80	5	1	Magnetite or Molybdenite; Clay Minerals <1%; Feldspar unaltered; Biotite unaltered;
100826	18.3 - 21.3	26	15	80	1	tr	White Mica 1%; Clay minerals 2%;
100827	21.3 - 24.4	14	20	75	1	1	Biotite to Chlorite
100828	24.4 - 27.4	12	15	75	1	1	White Mica 3%; Clay Minerals 5%; Some chlorite
100829	27.4 - 30.5	9	15	80	1	1	Biotite to Chlorite; White clay minerals 2%; White Mica 1%;
100830	30.5 - 33.5	26	20	75	2	1	Biotite to Chlorite; White Mica 1%;
100831	33.5 - 36.6	87	55	40	1	1	Biotite to Chlorite to White Mica; White Mica 1%
100832	36.6 - 39.6	28	25	75	1	tr	Biotite unaltered; some hornblende;
100833	39.6 - 42.7	11	15	80	2	1	Biotite to Chlorite; Clay minerals 3%;
100834	42.7 - 45.7	7	20	70	2	tr-1	Clay minerals 5%; White Mica 1%;

Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100835	45.7 - 48.8	8	20	75	2	1	Biotite to Chlorite to White Mica;
100836	48.8 - 51.8	5	25	70	1	1	Biotite & hornblende unaltered;
100837	51.8 - 54.9	7	30	65	2	1	Biotite to Chlorite; White Mica 2%; Clay minerals 1%;
100838	54.9 - 57.9	16	35	60	1	1	Clay minerals 1%; White Mica 1%;
100839	57.9 - 61.0	14	30	65	2	1	White Mica 2%; Biotite unaltered
100840	61.0 - 64.0	10	35	60	1	1	Biotite to Chlorite to White Mica; White Mica 1%;
100841	64.0 - 67.1	9	35	60	2	1	White Mica 1%; Biotite & Hornblende
100842	67.1 - 70.1	8	15	80	3	1	White Mica 2%; Biotite fresh;
100843	70.1 - 73.2	13	10	85	1	1	Biotite weakly altered to chlorite
100844	73.2 - 76.2	22	15	70	1	tr	Biotite to Sericite; Clay minerals 10%; White Mica 2%
100845	76.2 - 79.2	12	10	75	1	tr	Clay Minerals 10%; White Mica 2%;
100846	79.2 - 82.3	10	10	75	1	tr	Clay Minerals 10%; White Micas 3%; Biotite unaltered;
100847	82.3 - 85.3	12	15	65	1	tr	White Mica 3%; Clay Minerals 20%; Some alteration of Biotite to Chlorite;
100848	85.3 - 88.4	12	10	70	1	tr	White Mica 5%; Clay minerals 15%;





Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100850	0.6 - 6.1	17	15	80	3	tr	White mica 3%; magnetite; some rose quartz; Biotite to sericite;
100851	6.1 - 9.1	19	20	75	tr	tr	White mica 3%; Clay minerals 2%;
100852	9.1 - 12.2	25	30	70	1	tr	Biotite &/hornblende; trace chlorite;
100853	12.2 - 15.2	26	25	70	tr	tr	White mica 3-5%; Clay minerals 2%
100854	15.2 - 18.3	30	15	80	tr	tr	Magnetite; Biotite to Sericite 2%; Chlorite; Clay minerals 5%;
100855	18.3 - 21.3	23	20	75	1	1	Trace chlorite; White mica 5%;
100856	21.3 - 24.4	12	20	70	1	1	Trace MoS <sub>2</sub> ; Clay minerals 10%;
100857	24.4 - 27.4	81	20	65	2	1	Biotite to white mica 7%; Feldspar to White mica and clay minerals 5%
100858	27.4 - 30.5	80	30	55	2	1	Biotite to White Mica 10%; Feldspar to White Mica and Clay minerals 10%
100859	30.5 - 33.5	109	15	65	1	1	White Mica 10%; clay minerals 10%;
100860	33.5 - 36.6	62	20	75	2	1	Biotite to White Micas 3%;
100861	36.6 - 39.6	91	20	70	2	1	White mica 5-10%; Biotite to White Mica
100862	39.6 - 42.7	38	20	65	1	tr	White mica 10%; Biotite to? Chlorite; White clay minerals 15%
100863	42.7 - 45.7	52	30	65	1	tr	Clay Minerals 5%;

Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100864	45.7 - 48.8	42	20	75	2	tr	White mica 5%;
100865	48.8 - 51.8	74	20	65	1	tr	White Mica 5%; Clay minerals 5-10%;
100866	51.8 - 54.9	45	15	65	1	tr	Trace chlorite; White Micas 2%; White clay minerals 15%;
100867	54.9 - 57.9	54	30	50	1	-	White micas 5%; trace chlorite; White clay minerals 15%
100868	57.9 - 61.0	43	30	65	2	tr	Biotite to White micas 5%;
100869	61.0 - 64.0	41	40	40	5	tr	Biotite to White micas 10%
100870	64.0 - 67.1	47	30	45	5	tr	Biotite to White micas 5%; White clay minerals 3%
100871	67.1 - 70.1	31	30	60	3	1	Biotite to White micas 5%; White clay minerals 2%;
100872	70.1 - 73.2	30	20	60	2	tr	White mica 10%; Clay minerals 5-10%; Biotite to White mica.
100873	73.2 - 76.2	37	50	35	2	tr	White clay minerals 10%; White micas 5%
100874	76.2 - 79.2	31	40	50	tr	1	White mica 3%; Clay minerals 15%
100875	79.2 - 82.3	29	50	40	3	1	White mica 10%;
100876	82.3 - 85.3	41	30	60	1	tr	White mica 10%;
100877	85.3 - 88.4	30	30	50	3	tr	White mica 20%



Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100882	1.2 - 6.1	6	15	80	2	1	White Mica 3%; ?Magnetite; Biotite to chlorite to White Mica; some hornblende;
100883	6.1 - 9.1	11	40	55	1	1	Trace chalcopyrite; Biotite to Chlorite to White Mica; White Mica 2%;
100884	9.1 - 12.2	15	15	75	2	1	White Mica 2%; Clay Minerals 3%; Biotite altering red brown Biotite to chlorite & White Mica;
100885	12.2 - 18.3	8	50	45	2	tr	Biotite to chlorite; White Mica 3%; Clay minerals 5%;
100886	18.3 - 21.3	29	30	65	2	1	White mica 2%;
100887	21.3 - 24.4	10	25	55	1	1	Biotite to chlorite to White Mica; White Mica 15%; Clay minerals 5%;
100888	24.4 - 27.4	28	20	70	1	1	White clay minerals 3%; White mica 5%;
100889	27.4 - 30.5	155	25	70	2	-	Biotite to chlorite; White Mica 2%;
100890	30.5 - 33.5	54	25	60	1	-	White mica 2%; Clay minerals 5-10%;
100891	33.5 - 36.6	61	20	70	1	1	Biotite to chlorite; hornblende; white mica 3%; clay minerals 5%;
100892	36.6 - 39.6	24	20	70	1	1	White Mica 2%; Clay minerals 5%;
100893	39.6 - 42.7	21	20	75	1	1	White Mica 1%;
100894	42.7 - 45.7	26	25	70	tr	1	White Mica 1%; Clay minerals 3%;
100895	45.7 - 48.8	37	45	50	1	1	Biotite to chlorite; White Mica 3%;

Sample Number	Interval (Metres)	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration, Mineralization, other Remarks
100896	48.8 - 51.8	20	25	70	1	tr	White Mica 2-3%; Clay minerals 2%; some chlorite but mainly biotite;
100897	51.8 - 54.9	63	20	80	1	1	White Mica 1%; Biotite to Chlorite;
100898	54.9 - 57.9	46	20	75	1	1	White Mica 2%; Biotite to Chlorite; Clay minerals 1%;
100899	57.9 - 61.0	41	40	55	2	1	Biotite to chlorite to White Mica; White Mica 2%;
100900	61.0 - 64.0	21	20	70	1	1	White Mica 5%; Clay minerals 5%; Chlorite to White Mica
100901	64.0 - 67.1	23	15	75	1	1	Chlorite to White Mica; White Mica 5%; Clay minerals 5%;
100902	67.1 - 70.1	16	10	80	1	1	Biotite to Chlorite to White Mica; White Mica 3%; Clay minerals 5%;
100903	70.1 - 73.2	16	15	70	tr	tr	White Mica 10%; Clay minerals 5%;
100904	73.2 - 76.2	16	25	65	1	tr	White Mica 3%; Clay minerals 5%;
100905	76.2 - 79.2	20	25	65	1	tr	Biotite to Chlorite to White Mica; White Mica 5%; clay minerals 5%;
100906	79.2 - 82.3	20	25	65	1	tr	Biotite to Chlorite to Sericite; White Mica 5%; Clay minerals 5%;
100907	82.3 - 85.3	15	25	60	1	1	Biotite to Chlorite to White Mica; White Mica 7%; Clay minerals 5%;
100908	85.3 - 88.4	21	25	55	2	1	Biotite to Chlorite to White Mica; White Mica 10%; Clay minerals 5%;
100909	88.4 - 91.4	37	10	65	2	1	Biotite to Chlorite to White Mica; White Mica 15%; Clay minerals 10%



APPENDIX B1

ITEMIZED COST STATEMENT

OSP 81-1 GROUP

SALARIES

D.L. Cooke	1 day @	\$251.33	=	\$251.33
H.P. Wilton(Field)	3 days @	233.93	=	701.79
(Report)	1 day @	170.87	=	170.87
R.K. Stelck	2 days @	117.92	=	235.84
R.L. Mawer	2 days @	80.96	=	161.92
A.J. Weiszmann	1 day @	99.44	=	99.44
M.L. Serack(Report)	1 day @	92.40	=	92.40
				<hr/>
				\$ 1,713.59

PERCUSSION DRILLING

Contract charges \$ 4,539.00

BULLDOZING

Access and site preparation \$ 1,424.13

ASSAYS AND ANALYSES

Geochemical analyses - 63 samples @ \$4.65 \$ 292.95

DOMICILE

Expense accounts \$ 987.75

TRANSPORTATION

Truck Rental \$ 314.99

TOTAL EXPENDITURE: \$ 9,272.41



APPENDIX B2

ITEMIZED COST STATEMENT

OSP 81-2 GROUP

STAFF SALARIES

D.L. Cooke	1 day @ \$251.33	= \$ 251.33	
H.P. Wilton(Field)	5 days @ 233.93	= 1,169.65	
(Report)	1 day @ 170.87	= 170.87	
R.K. Stelck	4 days @ 117.92	= 471.68	
R.L. Mawer	4 days @ 80.96	= 323.84	
A.J. Weizmann	2 days @ 99.44	= 198.88	
M.L. Serack(Report)	2 days @ 92.40	= 184.80	
			<hr/>
			\$ 2,771.05

PERCUSSION DRILLING

Contract charges \$ 9,078.00

BULLDOZING

Access and site preparation \$ 2,848.27

ASSAYS AND ANALYSES

Geochemical analyses - 119 samples @ \$4.65 \$ 553.35

DOMICILE

Expense accounts \$ 1,975.50

TRANSPORTATION

Truck Rental \$ 629.98

TOTAL EXPENDITURE: \$17,856.15

APPENDIX C

STATEMENT OF QUALIFICATIONS

I, H.P. WILTON, OF THE CITY OF PORT COQUITLAM IN THE PROVINCE OF BRITISH COLUMBIA, DO HEREBY CERTIFY:-

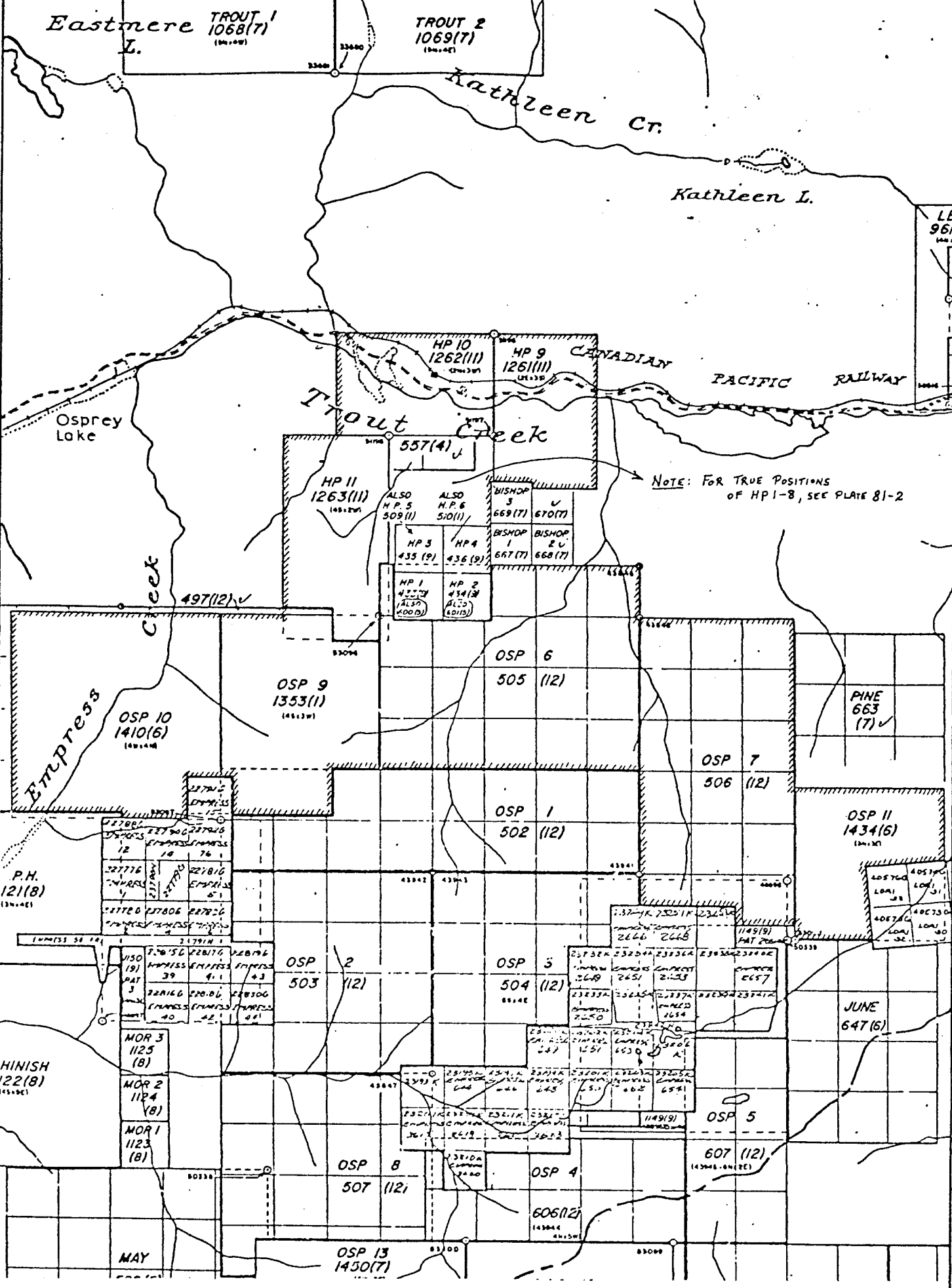
- 1) THAT I am a Geologist presently residing at 2456 Glenwood Avenue, Port Coquitlam, B.C., with a business address at 700-409 Granville Street, Vancouver, B.C.
  
- 2) THAT I am a graduate in Applied Geology with a B.A.Sc. in 1961 from the University of Toronto.
  
- 3) THAT I have practised my profession continuously since May, 1961.

DATED THIS 15<sup>th</sup> DAY OF OCTOBER, 1981 AT VANCOUVER, BRITISH COLUMBIA.

Signed:   
H.P. Wilton

14 OCTOBER 1981

49°45' N



N.T.S. 92 H/9E

Similkameen M.D.

# 9616



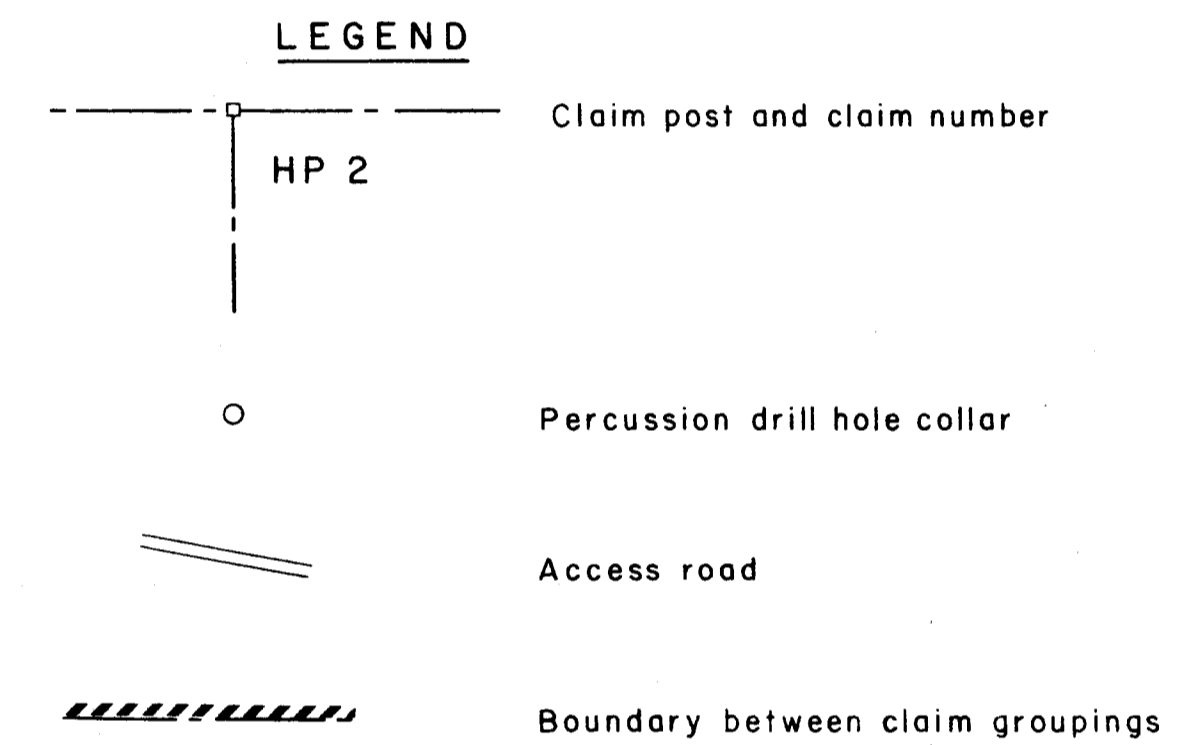
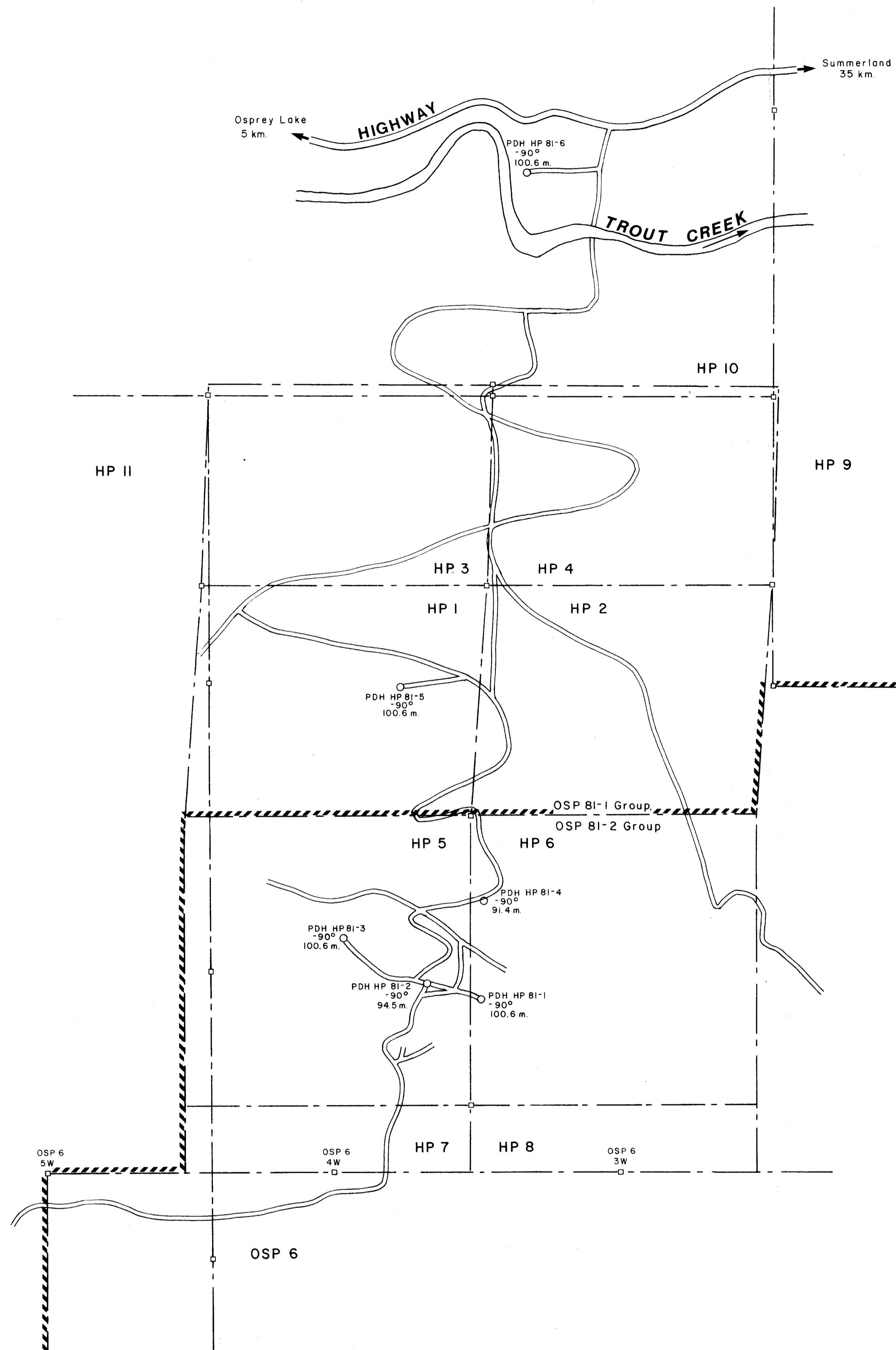
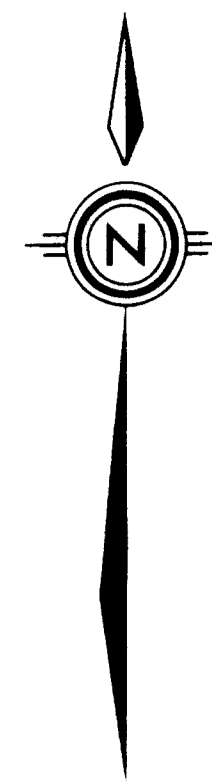
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Revised by	Date	Revised by	Date

**OSPREY PROPERTY  
(OSP 81-1 & 81-2 GROUPS)  
INDEX MAP**

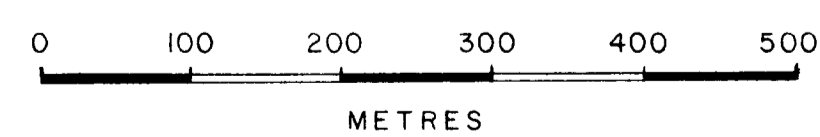
Scale: 1:50,000

Date: October, 1981

Plate: 81-1



**Note:** Claim post and boundary locations established using topographic map, chain, and compass.



9616  
N.T.S. 92 479 E

OSPREY PROPERTY			
Drawn by: <b>HPW</b>	Traced by: <b>APR</b>		
Revised by:	Date:	Revised by:	Date:
		<b>PERCUSSION DRILL HOLE LOCATION MAP</b>	
Scale: 1:5000		Date: October, 1981	Plate: 81-2