WATSON LAKE M.D.

MAP No. 105 F 10, 7

ASSESSMENT REPORT ☐
N. M. E. A. P. ☐
CONFIDENTIAL ☐
OPEN FILE ☐

TYPE OF WORK: DIAMOND DRILLING

REPORT FILED UNDER	COMINCO LTD. — DOCUMENT NO. 091777
DATE PERFORMED	AUGUST-OCTOBER 1985 — DATE FILED: 27 JANUARY 1986
LOCATION - LAT.	61°33'N — AREA: SEAGULL LAKES
LOCATION - LONG.	132°40'W
CLAIM NO.	PLEASE SEE BACK OF CARD FOR CLAIM NUMBERS:.....
VALUE $	
WORK DONE BY	I.A. PATERSON
WORK DONE FOR	COMINCO LTD.

REMARKS

109-[redacted] LP

091777

The property is underlain by flat lying Cambro-Ordovician quartzite, quartz-biotite-muscovite schist and banded limestone. East of the property, these rocks are in thrust fault contact with Devono-Mississippian shales, volcanics and syenites. A plug of quartz monzonite lies to the west.

Mineralization on the property consists of boulders of quartz and pyrrhotite ± chalcopyrite ± galena ± arsenopyrite. The mineralization is a replacement of schistose rocks.

Ex 85 p. 127

TAY	1-21;	YA71482-YA71502
LP	1-4;	YA90299-YA90302
LP	7-63;	YA72530-YA72586
LP	95-102;	YA73761-YA73768
LP	117-124;	YA73783-YA77790
LP	149 ;	YA90215
LP	141-148;	YA90207-YA90214
LP	150 ;	YA90216
LP	103-116;	YA73769-YA73782
LP	125-134;	YA73791-YA73800
LP	135-140;	YA90201-YA90206
LP	151-175;	YA90217-YA90241

The 1985 work program consisted of geological mapping, soil and silt sampling, linecutting and grid establishment, airborne EM and magnetic geophysical surveys and diamond drilling.

A total of 40.8 km of linecutting was done. Soil and silt sampling detected a weak Cu, Au anomaly which coincides with float mineralization.

The airborne geophysical surveys consisted of 161 line km flown by helicopter. A large area of strong, sub-parallel conductors was defined near the eastern edge of the claims.

Drilling was done over coincident EM, magnetic and geochemical anomalies. A total of 532.8m of drilling was done in five holes. The best value was 2.8 g/t Au over 4.9m in DDH 85-1.

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

15 January 1986

NTS: 105F/10

ASSESSMENT REPORT

LINECUTTING AND DIAMOND DRILLING REPORT

ON THE

TAY-LP CLAIMS

PELLY MOUNTAINS

WATSON LAKE M.D., Y.T.

LATITUDE: 61°33'N LONGITUDE: 132°40'W

FIELD WORK PERFORMED: August 21-October 10,1985

CLAIMS: TAY 1-21, LP 1-4, 7-93, 103-116, 125-140, 151-175

REPORT BY: I. A.PATERSON

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COMINCO LTD.

EXPLORATION

WESTERN
15 January 1986

ASSESSMENT REPORT

LINECUTTING AND DIAMOND DRILLING REPORT ON THE TAY-LP CLAIMS

SUMMARY

The Tay-LP property is located in the Pelly Mountains, Y.T. in the Seagull Creek Valley about 40 km south of Ross River and 26 km east of the Canol Road. Access is by four wheel drive road via Groundhog Creek or float plane to Seagull Lake.

The property is underlain by flat lying Cambro-Ordovician quartzite, quartz + biotite + muscovite schist and buff weathering banded limestone. To the east, these rocks are juxtaposed against Devono-Mississippian shales, volcanics and syenites by the Seagull Creek fault. To the west is a plug of quartz monzonite which intrudes the schists.

Numerous boulders of quartz + pyrrhotite and pyrrhotite bearing schist have been located along the road which traverses the property and along the banks of Seagull Creek. Some of these boulders contain Au values between 2 g/t and 27 g/t Au.

Work done in 1985 included linecutting and 533 m of diamond drilling.

In DDH LP-85-01 an intersection was obtained which was typical of the lithology and grade of the mineralized schist boulders. The best value was 2.8 g/t Au over 4.9 m. Intersections were also obtained of quartz + pyrrhotite in DDH LP-85-01, 02, 03, 04 and 05 but grades were disappointing.

INTRODUCTION

The Tay claims (1-21) were staked in July 1984 by three prospectors from Faro to cover a possible source area for a number of pyrrhotite bearing quartz and schist boulders which carried some interesting gold values. The LP (7-63) claims were added by Cominco in November 1984 and the Tay property was optioned by Cominco from Messrs. Long, Schnare and Bartsch in the spring of 1985. An additional 115 LP claims were added by Cominco in the summer of 1985 to make a total of 193 claims.

Between August 21 and September 9 40.8 km of linecutting was carried out by a 4 man crew supplied by Henk Van Alphen of Smithers.

From September 22 and October 10 - a total of 532.8 m of diamond drilling (5 holes) was carried out by E. Caron Diamond Drilling Ltd. of Whitehorse. Drilling personnel on the property were Mitch McLennan (foreman), Larry Thorogood, Martin Larouche, Lawrence Perkes and Dave Barreau (catskinner). Cominco personnel on property were I.A. Paterson, A. L. MacGregor and M.J. Gray (all of business address Cominco Ltd., 409 Granville Street, Vancouver, B.C. V6CV 1T2).

Previous work on the property appears to have been limited to a minor amount of trenching beside the road which traverses the property. This road was built in the 1960's and improved in the 1970's when work was active on the Mat Pb Ag property.

LOCATION AND ACCESS

The LP and Tay claim group are located 165 km northeast of Whitehorse and 60 km south-southwest of Ross River. The claims can be reached by helicopter from Whitehorse, or floatplane to Seagull Lake. A four-wheel drive road connects the property with Seagull Lake (9.5 km) and the South Canol road (30 km, 1.5 hour drive). Chains and a winch may be necessary in places.

TOPOGRAPHY AND VEGETATION

The claims are located in the valley and on the flanks of Seagull Creek. Elevation of the valley floor is between 1100 and 1150 metres. Mountains on either side rise to 1900 m.

Rock exposure is generally poor as much of the valley floor is covered with a mantle of fluvio-glacial material or river-gravels. Some rock exposures are present on the banks of Seagull Creek.

The valley floor is flat and generally covered with muskeg, willow or alder. Seagull Creek meanders along the valley creating numerous sloughs, gravel banks and ponds along its length. Between elevations 1150 and 1450 m the flanks of the valley are forested with Northern Black Spruce and dwarf birch. Above 1450 m alpine vegetation is present.

TENURE

The Tay and LP claims (Plate 1) are held by Cominco under option from Peter Long, Jim Schnare and Ted Bartsch formerly from Faro and now residing in Ontario, Victoria, B.C. and Whitehorse respectively.

New Due Dates (As of December 7,1985)

CLAIMS	TAG NOS.	NEW DUE DATES
TAY 1-21	YA 71482-502	December 7, 1989
LP 1-4	YA 90299-302	December 7, 1990
LP 7-63	YA 72530-586	December 7, 1989
LP 64-93	YA 73595-624	December 7, 1990
LP 95-102, 117-124, 141-148, 150	YA 73761-68, YA73783-90 YA 90207-14, YA90216	September 12,1986
LP 103-116, 125-140, 149, 151-175	YA 73769-82, YA 73791-800, YA 90201-06 YA 90215, YA 90217-41	December 7, 1990

LINECUTTING

Two base lines connected by 1 km tie lines were cut along the length of the Seagull Creek Valley for 4.0 km. Cross lines were then established at 200 m intervals and pickets placed at 25 m intervals. No slope correction was made on the cross lines.

Orientation of the base lines was 153^0 azimuth. Some problems were encountered when running the cross lines using a compass because of interference from pyrrhotite bearing bedrock.

DIAMOND DRILLING

A total of five NQ diamond drill holes were completed on the property (532.8 m, 1748'). Maximum and minimum lengths of holes were 136.5 m and 81.4 m. Drilling conditions were good with maximum overburden depth at 10 m (vertical) and an average shift of 30 m. Recovery averaged 95% (excluding a 10 m fault zone where recovery was only 50%).

A number of factors contributed to the location of drill holes: (a) proximity to mineralized boulders or outcrop (b) presence of EM anomalies (c) the decision to drill two of the anomalies with two holes in order to reduce uncertainty about cause, thickness and dip of anomalous zones. Drill sections for DDH-01 and DDH-02 (line 11+00S) are given in Plate 4, for DDH-03 and DDH-04 (line 10+00S) in Plate 5 and; for DDH-05 (line 19+00S) in Plate 6. Detailed drill logs and drill log summaries are given Appendices IV and V.

DDH LP-85-01

a) Lithology

0 - 17.37 m	overburden
17.37- 80.00 m	quartz + muscovite + biotite ± chlorite ± calcite ± pyrrhotite schist with sporadic quartz + tourmaline and quartz + pyrrhotite ± chalcopyrite veins.
80.00-120.09 m	schist as above but with 5 to 25% pyrrhotite replacement along foliation.
91.14- 92.32 m	quartz + pyrrhotite ± chalcopyrite veins
102.42-103.5	quartz + pyrrhotite ± chalcopyrite veins

b) Assays

Intersection	Length	Au
80 - 114 m	30 m	0.98 g/t
this includes:		
80 - 84.90m	4.9 m	2.8 g/t (schist + po)
91.14 - 92.32	0.9 m	1.4 g/t (qtz + po vein)
112 - 114 m	2.0 m	3.22g/t (schist + po)

The quartz + pyrrhotite vein from 102.42 1- 103.5 m contained only 60 ppb Au.

DDH LP-85-02

a) Lithology

0 - 37.7 m	schist with minor qtz + po veins.
37.7 - 49.07	fault zone
49.07- 61.60	schist, locally brecciated
61.60- 62.50	calcareous diabase dyke
62.50- 93.67	schist with minor qtz + po veins
93.67- 94.20	muscovite + quartz +feldspar + garnet + tourmaline granitic sill or dyke
194.2 -126.74	schist with local 5% pyrrhotite replacement
126.74-130.38	quartz + po vein breccia
130.38-136.55	schist

b) Assays

Intersection	Length	Au
56-58	2.00 m	1.5 g/t (breccia)
111.65-112.77	1.12 m	1.5 g/t (qtz + po)

DDH LP-85-03 (Plate 5)

a) Lithology

7.60 -27.7 m	quartz + biotite + muscovite + chlorite + calcite schist.
27.70 -33.8	brecciated schist with 50% quartz + pyrrhotite + tourmaline veins
33.80 -89.9	schist, sporadic quartz + po veins.

b) Assays

No significant assays. Highest value was 280 ppb in a 2 m section containing 5% replacement pyrrhotite in quartz + mica schist at contact with calcareous schist.

DDH LP-85-04 (Plate 5)

a) Lithology

15.2 -56.0 m	schist with 2-5 quartz + pyrrhotite veins/metre of core. Minor replacement mineralization.
56.0 -62.0	quartz + pyrrhotite + schist vein breccia (40% schist); massive pyrrhotite between breccia fragments.
62.0 -81.4	schist; mninor veining.

b) Assays

Between 60 and 62 m quartz + pyrrhotite + schist breccia contained 2.8 g/t Au.

DDH LP-85-05 (Plate 6)

a) Lithology

3.3 - 21.9 m	brown schist with irregular zones of pale green to white siliceous rock.
21.9 - 23.6	quartz + muscovite + feldspar granitic sill with disseminated tourmaline.
23.6 - 37.2	same as 3.3 - 21.9
37.2 - 45.0	Vein breccia: 50% quartz, 35% tourmaline, 15% pyrrhotite
45.0 -104.8	hornfelsed schist and garnet skarn pyrite stringers and disseminations and tourmaline are common.

b) Assays

No significant values. Rock geochemical values for both Au and Bi were <10 or <5 ppb.

CONCLUSIONS

In DDH LP-85-01 an intersection was obtained which was typical of the lithology and grade of the mineralized schist boulders. The best value was 2.8 g/t Au over 4.9 m. Intersections were also obtained of quartz + pyrrhotite in DDH LP-85-01, 02, 03, 04 and 05 but the grades were disappointing compared to those present in the boulders.

Report by: I.A. Paterson
I.A.PATERSON
Project Geologist

Approved for
Release by: W. J. Wolfe
W.J. WOLFE
Manager, Exploration -
Western Canada.

Distribution:

Western District (1)
DIAND (2) ✓

Drill Hole Record

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Scale

Colour Plot & Dips

Property LP-TAY	District Watson Lake MD	Hole No. LP-85-1	
Commenced 5:30 pm	Location Seagull Creek 105F/10	Tests at 120 m (EOH)	Hor. Comp.
Completed 1st October, 2:30 pm	Core Size NQ	Corr. Dip -50°	Vert. Comp.
Co-ordinates 11+00S, 4+65E		True Brg. 243°	Logged by I.A. Paterson
Objective To test EM conductor as possible source for mineralized boulders		% Recov. approx. 95%	Date 2 October, 1985

Claim LP-TAY | T Brg. 243° | Collar Dip -50° | Elev. | Length 120.00 m | Hole No. LP-85-1 | Sheet 1

m	c/a (core) angle	Footage Metrage From	To	Description	Sample No.	Length	Analysis Au	Bi	Cu		Assay Au g/
		0	17.37 m	Casing							
		17.37	EOH	Banded or laminated quartz + muscovite + biotite + chlorite + calcite + pyrrhotite schist.							
18	55°			Very well foliated with crenulation lineations on foliation surfaces. Calcareous sections are							
21	70°			white and interfoliated with layers of biotite + muscovite schist.					-		
25	80°										
27	~	17.37	25.00 m	Sporadic stringers, veins and disseminations of po (1-2%) + cpy assoc. with qtz + calcite	22-26	4m	60	< 5	104		-
30	70°			17.50 m qtz + tourmaline vein, 1 cm (c/a = 30°)							
33	75°			20.25 3 cm brc zone (c/a = 55°), schist and quartz fragments							
34	45°			23.5 qtz + po + cpy vein, 1 cm (c/a = 10°)							
38	60°			24.1 3 po rich laminations (5 mm - 10 mm)							
				24.7 - 25, irregular clot of massive po close to qtz + po + musc vein							
		25.00	50.00 m	25 - 26: irregular qtz + musc. + po veins							
				29.55 - 29.75 - qtz + po (2%) vein parallel to foliation (c/a contacts 35°, 75°)							
				note grey qtz brc fragments in white qtz matrix.							
				30.0: 1 cm qtz + cc + po vein (c/a = 35°)							
				31.2: 3 cm qtz + po (1%) parallel to foliation							
				31.8 - 32.1: irregular qtz + musc. + po veins - note black "alteration" - tourmalinization							
				33.5 - 33.55: qtz + po + tour irregular vein							
				35.8: 1 cm vein of qtz + cc + tour (c/a = 45°)							

211-0437

Scale

Colour Plot & Dips

Drill Hole Rec rd

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Property LP-TAY	District	Hole No. LP-85-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

m	c/a	Footage Metrage From	To	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu		Ass Au g.
39	45°			36.2: cc + chl + bt + po vein							
44	60°			39.30: qtz + bt + chl + po vein							
46	45°			39.5 - 44.25 - about 7 (<1 cm) narrow veins cross-cutting the fol^{n}							
52	60°			44.25 - 50.0 - grey white equigranular calcite + quartz ± musc ± chl layers to 7 cm in thickness interfoliated with quartz + musc. + bt schist					-		
55	50°										
57	60°			47.5 48.5: folds - chevron style							
59	70°			49.8: 1 cm cc + po + cpy vein							
64	60°										
67	60°	50.0 -	100 m	Banded qtz + bt + calc + musc schist (more or less similar to above) with some qtz + cc + po + cpy veins							
72	65°										
74	50°			52.5: white cc + po foliated vein (c/a = 45°); 56.08, silic vein + tour + po + bt							
78	50°			59.3: white cc + chl shear vein	57-59m	2m	<10	<5	37		-
80	80°			59.3 - 60.22: brc of schist + quartzite with matrix po + py (5% sulphides)	59-61m	2m	122	6	144		-
89	55°			63.38, 64.3, 66.4, 71.6: 1 to 2 cm veins of qtz + po + calcite	61-62m	1m	22	<5	113		-
				note: phlog (?) or reddish brown biotite in veins and in reaction zones adjacent to veins							
				72.28: green fine gr. chloritic bleb cross-cutting fol^{n}			-				
				72.85: cc + qtz 2 cm shear vein (c/a = 45°)	74-76	2m	52	<5	55		-
				75.0: qtz + po + calc vein	76-78	2m	80	14	120		-
				77.4: qtz + po + calc + cpy vein (c/a = 10°)							
				78 - 80: 3% po in occasional veins	78-80	2m	110	28	42		-
				80 - 82: abundant reddish brown bt laminations, po + cc + qtz vein at 5° to core axis, contorted foliation, locally parallel to core axis	80-82	2m	206	25	154		-

211-6437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	LP-TAY	District		Hole No.	LP-85-1
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet

Footage Metrage From	To	Description	Sample No.	Length m	Analysis Au	Ag	Cu		Au	g/t
84	45°	80-82 (cont) at 81.0 po + white qtz + grey qtz, 1 cm vein (c/a = 10°)	80-82	2 m	206	25	154		-	
88	50°	overall 5% po								
91	60°	82-84 m: po laminations parallel to foliation, bt common; po + cpy veins (c/a = 10-15°)	82-84	2 m	232	23	148		-	
99	70°	84-86 m: 84 - 85 - qtz + bt + ms schist with one 5 mm qtz + po vein (c/a = 40°)	84-86	2	1920	190	396		2.54	
		85-86 - 25% po in laminations in qtz + musc + bt schist								
		note:po + qtz veins at 86.0 m (1 cm), c/a = 20°;								
		86-88 m: 20% po in laminations, minor cpy; 4 cm qtz + po vein at 89 m (45° + 90° c/a contacts)	86-88	2	2240	202	414		2.47	
		88-89.90 m: 25% po + cpy in laminations	88-88.9	0.9	3290	273	765		-	
		88.9-90.0 m: grey-white bands of calc + qtz + bt interfoliated with musc + qtz + bt schist	88.9-90	1.1	22	< 5	46		-	
		90.0-91.14 m: po laminations in musc + qtz + bt schist (1-2% po) qtz + po veins at 90.5	90-91.14	1.14	738	74	285		-	
		(c/a 45°), 90.75 (c/a 10°)								
		91.14-92.32 m: vein qtz (34%) + po (50%) + schist frags (15%) + cpy (1%)		1.18	1866	110	624		1.44	
		note:euhedral qtz in mass po; cpy occurs in qtz or at contacts with po,								
		ex. conductor								
		92.32-93.0 m: bt + musc + qtz schist with irreg qtz + po + tour vein (2-4 cm)	92.32-93	0.68	192	28	127		-	
		93.0-94.0 m: as above, 3 qtz + po veins 1-2 cm (c/a = 25°, 25°, 10°)	93-94	2 m	20	< 5	84		-	
		94.0-96.0 m: bt + musc + qtz schist, Note 7 cm grey to white qtz + ms (10%) + po (4%)	94-96	2 m	364	46	97		-	
		+ schist frags (7%); c/a contacts = 45°; sub-parallel to foliation; contorted								
		foliation with c/a 45° to 0° irreg. qtz + po vein at 95 m.								

Drill Hole Record

Cominco

Scale

Colour Plot & Dips

Property LP-TAY	District	Hole No. LP-85-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

m	c/a	Footage From	Footage To	Metrage	Description	Sample No.	Length	Analysis Au	Ag	Cu		Au	Ag
96	50°				96-98 m: bt + qtz + musc schist, 10-15% po in lams and dissem.; qtz + po + calc + cpy vein	96-98	2 m	720	78	192		-	
98	45°				(1 cm, c/a = 20°)								
98.3	0°				98-100 m: s.a. 96-98; 6 qtz + calc + po veins (< 5 mm)	98-100	2 m	242	20	215		-	
100	45°				100-102 m: s.a. 96-98; only 5% po, several calc + qtz + bt veins (c/a = 20°)	100-102	2 m	<10	< 5	60		-	
102	50°				102-102.42m: s.a. 96-98	102-102.42	0.42	24	< 5	57		-	
106	50°				102.42-103.5 m: qtz (74%) + po (20%) + schist (5%) + cpy (0.5%) vein	102.42-103.5	1.08	60	< 5	317		-	
108	50°				contacts = 45°, 40°								
111	60°				103.5-104 m: s.a. 96-98; 1% po	103.5-104	0.50	20	< 5	35		-	
114	50°				104.0-106 m: bt + ms + qtz schist with 10% po in laminae, dissems, and veins, qtz + bt + calc	104-106	2	300	30	272		-	
					+ po vein (1 cm, 20° c/a), po + qtz veins - irregular, note bt reaction rims								
					envelope qtz + po veins								
					106-108 m: banded po in qtz + bt schist, cpy in cross-cutting veins 3 x 2 cm seams	106-108	2	472	58	516		-	
					of mass. po parallel to foliation, overall 7% po, several thin (4 mm) qtz								
					+ po ± spy veins in sections with low po content.								
					108-110 m: s.a. as 106-108. Note 2 cm irreg veins of qtz + po + cpy + calc at 109.5 m	108-110	2	240	30	306		-	
					overall 10% po.								
					110-112 m: s.a. 106-108, po stringers, dissem. and layers parallel to foliation irreg	110-112	2	966	91	351		1.37	
					po + qtz ± cpy veins cross-cut fol^{n} along fracture cleavage and feed layers								
					c/a veins 45° ± 10°, po content approx. 10%								
					112-114 m: s.a. 106-108. Note qtz + po + cpy vein at 112.4 (5 cm) c/a of contacts 30°.	112-114	2	2720	296	341		3.22	
										3.36	g/t	Bi	

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

211-8437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco PAGE 5 of

Property LP-TAY	District	Hole No. LP-85-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	Metrage To	Description	Sample No.	Length m	Analysis Au	Bi	Cu		Ass Au	
115	50°	114-116 m: as above, 15% po in dissem. and lams parallel to fol^{n}. Minor po + qtz + cpy veins.	114-116	2 m	580	55	347		0.68	
118	70°	Note: not much calc in this section of core, chl is present along fractures								
		116-117.5 m: as above, 15% po, note 10 cm pod of massive po at 117 m	116-117.5	1.5	880	95	572		1.10	
		117.5-117.90 m: grey crumbly fault gouge; low conductivity, cut surface has black & white streaky foliation; clay minerals common.	117.5-117.9	0.4	962	102	586		1.71	
		117.9-120.09 m: s.a. 116-117.5, poor recovery (mislatch)	117.9-120.09	2.19	380	42	280		0.82	

811-0437

Drill Hole Record

Cominco

Scale

Colour Plot & Dips

Property LP	District Watson Lake M.D.	Hole No. LP-85-2	
Commenced 11 pm, 1st October/85	Location Seagull Creek 105F/10	Tests at 136.5 m	Hor. Comp. 84.5 m
Completed 3 am, 4th October/85	Core Size NQ	Corr. Dip 50° → 53°	Vert. Comp. 106.5 m
Co-ordinates 11+00S, 3+07E		True Brg. 63°	Logged by I.A. Paterson
Objective		% Recov. 95-100% except for between 41 and 47 m - only 45% recovery	Date

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
LP	063°	-50°	1116 m	136.55		

m	c/a	Footage From	Footage To	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu		Assay Au	g
13	45°	0	12.19 m	overburden								
16	45°	0	37.7 m	ms + bt + qtz + calc + chl schist. Ms rich units have a silvery sheen or are grey. Bt rich								
18	45°			varieties are dark brown to grey in colour. Contacts between schist composition are								
22	30°			gradational or sharp and inter-foliated. Pale green chlorite + calcite + quartz schist forms								
24	30°			irregular patches or laminations parallel to the foliation (could be due to alteration?)								
28	45°											
33	40°			Veins contain qtz + po + bt + calc + cpy, generally 5 mm in width. Note reaction rims of								
				brown bt spreading along foliation, some veins have bleached silicified rims. The alteration								
				of the rims of the veins may be associated with the pale green chlorite + calcite + quartz								
				alteration, veins commonly pinch out. Pyrrhotite occurs as a) stringers layers and dissem.								
				parallel to the foliation b) in veins and c) irregular patches cross-cutting foliation.								
				veins either N striking and steep or parallel to S.								
				From 12-19 to po content < 3%.								
				12.19-12.40 m: qtz + po vein and irreg. patches parallel to foliation								
				12.40-16.50 m: thin (< 5 mm) qtz + po veins; 0°/90°, 10°/90°, 165/80W								
				18.8 m: qtz + chl + calc. vein (63°/90°)								
				18.8 - 33 m: 2 veins/metre, occasional stringers parallel to foliation veins usually have 0°	24-27 m	2 m	10	5	65		-	
				strike with steep dip (~80°) veins are almost perpendicular to foliation								
				(3 cm, 0°/75° W, 2 cm 165°/80 W; 3 cm, 0°/90°; 1 cm, 30°/90°								

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property LP	District	Hole No. LP-85-2	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim	Lp	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet

		Footage From	Footage To	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu		Assa Au	g
36	30°			30.7 m - brittle qtz + calc 1 cm vein with schist inclusions (c/a = 10°). May be post po veins.								
51	45°			31.8 m - as above (c/a - 20°)								
54	45°			32-37.7 m - qtz + musc + bt schist - 2 thin qtz + po veins					-			
56	~											
		37.7	43.89 m	Fault zone. At 37.7 m sharp contact with brecciated qtz vein (c/a = 10°) probable strike & dip of contact 20°/60° E. Note schist and quartz clasts set in a white-calcite + qtz matrix. Weakly conductive grey clay seams cross-cut brecciated zones. Note po clasts in calc + qtz matrix (minor amounts). The calc + qtz brecciation appears to be post min^{z} but there is also evidence for po recrystallization within calc + qtz matrix (slender po crystals).	38-39	1 m	<10	< 5	66		-	
		43.89	45.44 m	Qtz + ms + bt + calc schist. Po in veins and seams parallel to foliation								
		45.44	49.07 m	Fault zone. c/a contact = 10° - probable strike and dip = 152/40° E (cf above). At 49.07 m sharp contact with qtz + po vein c/a = 5°. Po stringers in schist are cross-cut by calc + qtz veins. Core is mainly friable except for a few schist zones. Generally similar in aspect to previous section.								
		49.07	49.32 m	Qtz + po + tr py cpy vein (8% po)								
		49.32	51.0 m	Mixed qtz + ms + bi schist with 20% white qtz and po in veins and parallel to the foliation Note:brown mass. mineral near contacts of qtz (tour ?)	49-51	2 m	< 10	< 5	36		-	
		51.0	56 m	Interfoliated calc + qtz + ms schist in qtz + ms + bt schist								
		56	57.64 m	Contorted breccia zone, mixed qtz + ms + bt schist calc + qtz schist and qtz lenses, 7% po as stringers and dissem. calc appears to "anastomoze" through qtz + bt + ms schist	56-58	2 m	1102	116	136		1.51	

211-8437

Drill Hole Record

Cominco

Scale

Colour Plot & Dips

Property LP	District	Hole No. LP-85-2	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

		Footage From	Footage To	Description	Sample No.	Length	Analysis Geochem Au	Geochem Bi	Geochem Cu		Assa Au	Assa g
58	35°	57.64	61.16 m	Qtz + musc + bt schist with 10% interfoliated pale green calc + qtz + po + cpy + tour vein at								
60	45°			58.5 m (10 cm)								
63	55°			Qtz + po + cpy + calc vein at 60.0 m (15 cm)								
67	80°	61.6	62.50 m	Sheared calcareous contact zone (1.5 cm); orientation 180°/75° E. Equigranular unfoliated								
74	50°			greenish slightly mottled calcareous diabase or andesite. Note 6-5 mm calc veins - probably								
78	50°			dyke.								
80	60°	62.5	93.67 m	Contact ℄ above contains 5 cm of white brecciated qtz in clay matrix, then into qtz + ms + bt								
83	55°			schist with calc + qtz patches. Note calc + qtz + py vein (1 cm) - 11 fol^{n}, irreg. anastamosing								
93	40°			py + po veins cut by calc + qtz veins. Shear zone at 65.30 (4 cm, 165°/90°) - grey with								
				assoc. py, calc, clay minerals - weakly conductive; clay rich shear zone (66.5-66.6 m)								
				From 68 to 78 m - well banded qtz + ms + bt schist and qtz + calcite schist. Note areas								
				where bt + ms schist is boudinaged and intruded by calcite + qtz; several thin Qtz + po + py								
				veins. (140°/90°, 150/90). From 78 to 93.67 same as 68 to 78 m, po + qtz + cpy veins at 81.69,								
				84.27 91.44 m, 92.75 (1 cm, 132/90°), 93.2 (2 cm, irreg.)								
		93.67	94.20 m	Sharp intrusive contact between schist and qtz + ms aplite (+ garnet + dissem. po + tour).								
				Note: po rich sulphide zone along contact. Contact cross-cuts foliation in an irregular manner.								
		94.2	135.5 m	Schist as above. Po + qtz veins at 94.82 m 95.22 (170/90°, 5 m). Veins (Po + qtz);								
				97.93 m (138/90); 95.71 m (sub-parallel to foliation - 6 cm)								

Scale

Colour Plot & Dips

Drill Hole Rec rd

Cominco

Property LP	District	Hole No. LP-85-2	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	Footage To		Description	Sample No.	Length	Analysis Au	Bi	Cu		Au	g
	100	45°	98-100 m: calc + bt + qtz + ms schist, 2 irreg. 1 cm qtz + po + cpy veins	98-100	2 m	26	7	36		-	
100	104	50°	100-102 m: calc + bt + qtz + ms schist, from 101 to 101.47 - irregular qtz + po + cpy vein	100-102	2 m	< 10	< 5	56		-	
104	106	50°	(140/80° E - orientation of contact). At 100.5 m, po vein with silicified margin.								
106	116	60°	Bt along rims (1 cm, 165/90)								
			102-104 m: schist; shear zone - 1 cm, pale green to white calc + qtz (138/60 E) 4 irreg. qtz	102-104	2 m	100	< 5	58		-	
			+ po veins (5 mm); dissem. po parallel to foliation over 10 cm								
			104-106 m: calc schist. 2 irreg po patches and 2 x 1 cm po rich (80%) parallel to the	104-106	2 m	80	12	90		-	
			foliation. Veins (1 cm, 135/90°; 8 m 135/90)								
			106-108 m: qtz + ms + calc schist (bt content has decreased); 3 narrow qtz + po veins (119/60 E,	106-108	2 m	42	< 5	56		-	
			135/75E), po < 2%								
			108-110 m: po + qtz stockwork in schist and replacement zone; parallel to foliation, 10-15% po	108-110	2 m	1546	164	453		0.48	
			+ tr cpy, note zone of contorted schist and po + qtz injection between 109.2 and								
			110 m. 12 cm of mass. po from 109.25 to 109.37 (sub parallel to foliation).								
			110-111.65 m: similar to 108-110 (po 10%)	110-111.65	1.65m	444	53	346		-	
			111.65-112.77 m: qtz (85%) + po (10%) + tour (1-2%) + cpt (< 1%) vein. Contact sharp and	111.65-112.77	1.12m	1366	142	350		1.51	
			parallel to foliation at 111.65, contact at 112.77 is sharp (145/60 W).								
			Note: euhedral qtz in massive po patches. Some schist inclusions.								
			112.77-114.0 m: schist; dissem. po parallel to foliation: some irregular veins of po, 5% po.	112.77-114	1.23m	424	53	298		-	

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property LP	District	Hole No. LP-85-2	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	To	Description	Sample No.	Length	Analysis Au	Ag	Cu		Au	g/
120	55°	114-116 m: schist, po content only 1%, qtz + po vein at 115.3 m (15 cm 115/60 NE?)	114-116	2 m	328	31	155		-	
122	55°	116-118 m: schist, several (< 4) po veins and irregular patches (< 1% po overall).	116-118	2 m	86	< 5	131			
124	45°	Note 10 cm po + qtz brc at 117.9 → 118.0 m								
		118-120 m: schist. po + qtz vein brc at 119.2 (12 cm) and 119.8 (6 cm). Contacts irregular	118-120	2 m	32	7	126		-	
		and cross-cutting foliation. Note minor tour at 119.3 occurs as matrix to qtz								
		crystals.								
		120-122 m: schist - similar to 118-120, po + qtz + cpy pod at 120.30 (7 cm) in irreg.	120-122	2 m	164	19	159		-	
		veins and dissem. (4%)								
		122-124 m: schist as above; qtz + po + cpy irreg. vein (122.35 - 122.70). Note: two	122-124	2 m	88	< 5	137		-	
		parallel veins (170/75° W) at 123.3 m.								
		124-126 m: schist, 5% po in irreg. veins and disseminations parallel to foliation qtz + po	124-126	2 m	46	< 5	185		-	
		vein at 125 m (6 cm, 25°/70° N)								
		126-126.74 m: schist, 5% po	126-126.74	0.74	156	31	92		-	
		126.74-128.38 m: white qtz vein, 2-3% po brecciated schist inclusions, ms and minor py also	126.74-128.38	1.64	<10	< 5	67		-	
		present. Contact sharp (15°/70° W)								
		128.38-130.38 m: white qtz vein, 2-3% po, 5% schist inclusions. Contact at 130.38 m is sharp	128.38-130.38	2 m	20	< 5	152		-	
		and parallel to foliation (c/a = 80°). Note po + py irreg. zones near								
		contact, possible tourmaline.								
		130.38-132.0 m: schist-high qtz, low bt, schist slightly brecciated, patchy po (5%) minor	130.38-132	1.62m	<10	< 5	95		-	
		tour assoc. with po.								

211-8457

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	LP	District	Hole No.	LP-85-2	
Commenced		Location	Tests at		Hor. Comp.
Completed		Core Size	Corr. Dip		Vert. Comp.
Co-ordinates			True Brg.		Logged by
Objective			% Recov.		Date

Claim LP | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	Footage To	Description	Sample No.	Length	Analysis Au	Bi	Cu		Au	g
134	65°	132-134 m: schist, (grey qtz + ms + bt + chl + calc); only 2 narrow areas of irreg. po veins.	132-134	2 m	<10	< 5	41			
136	25°	134-136.55 m: qtz + ms + bt schist; tour + po + qtz + py veins, (3 cm, c/a = 90°, 10 cm, c/a = 70°), 3 minor (< 1 cm po + qtz veins)		1.55	46	< 5	73			
		EOH								

211-8437

Drill Hole Record

Cominco

Scale

Colour Plot & Dips

Property	LP-TAY	District	WATSON LAKE M.D.	Hole No.	LP-85-03
Commenced	2 pm 4 Oct. 1985	Location	Seagull Creek 105F/10	Tests at	89.92 m
Completed	6 pm 5 Oct. 1985	Core Size	NQ	Corr. Dip	-44°
Co-ordinates	10+00S 6+40E			True Brg.	063°
Objective	To test EM anomaly as possible source for Au - Bearing Boulders			% Recov.	98%

Hor. Comp.
Vert. Comp.
Logged by M.J. Gray
Date 6 October 1985

Claim LP-TAY | T Brg. 063° | Collar Dip -45° | Elev. | Length 89.92 m | Sheet | Hole No.

m	Core angle	Metrage From	Metrage To	Description	Sample No.	Length	Analysis
		0	7.62 m	Overburden			
		7.62	28.30 m	QTZ - BI - MS ± CHL ± CALC SCHIST (005°/ 06°E 125°/ 10W)			
3.0	48°			- M. green/gray to br. fresh surface, locally med-dk green in chl (?) rich sections.			
				- well banded schist, has sharp to gradational contacts at interfoliated mica schist - limy			
10.0	65°			schist contacts.			
				- calcareous sections are lt. gray, equigranular, ± qtz (up to 10%), and show little fabric.			
13.0	50°			(-7.62 - 14.47m v. calcareous, approx. 60% calcite)			
				- bi is gen. blk, but locally med. br. (parallel to fol^{n} - alteration?) * @ 13.76 - 5 cm wide			
16.0	50°			mud seam			
				VEINS			
18.0	54°			- 2 Main Types i) Qtz ± Po ± Cpy and ii) Calc - Chl ± Qtz ± Po			
				i) Qtz ± Po - white massive quartz, gen. parallel to fol^{n} and irreg. thickness (pinch			
22.0	45°			and swell), often as lenses 1-4 cm wide. density: varies > 1 per m			
				orientation: 009°/10E (.5 - 6 cm, ave 3 cm)			
25.0	54°			ii) Calc - Chl + Qtz - white-greenish narrow 1-5 mm veins, (ave 2 mm wide), approx. parallel			
				at right angles to fol^{n} 160 to 172°/-83° E density: 1 per m			
				- cross-cut qtz veins that are parallel to fol^{n}.			
				- chl occurs as salvage, and also forms rims enclosing sulphide stringers			
28.0	30°			and blebs.			

211-8437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property LP-TAY	District	Hole No. LP-85-03	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage- Metrage From	To	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu		Assay Au g/
		- poss 2^{o} bi reaction envelopes ~1 cm assoc. c̄ some of the veins							
		Also some Qtz-Tour veins - indistinct contacts, cross-cuts schist but tour also (17.00 m) as replacements along the fol^{n}. (150/85 W)					-		
		- qtz 40% tour 60%							
		Mineralization - Po is med. grained (locally coarse) and occurs as a) veins - mainly in calc-chl-qtz veins b) irregular shaped blebs and patches assoc. with qtz veins which cross-cut fol^{n}. c) stringers parallel to fol^{n} (.5 mm wide, local banded tex.) Po in veins tends to occur with mica rich wall rock, and is absent or depleted where the w.r. is calcareous.							
		- 7.62 to 14.96 m Po % 1%							
		- 14.96 to 25.60 m Po% 3-5%							
		- 25.60 to 28.30 m Po% 3-8%							
		- (1%) Cpy ⁊ dissem. and as blebs, observed in veins c̄ Calc-Chl-Qtz-Po							
		Assays - 14.96 to 17.00: distinct increase in sulphide content and qtz veins, 14.96-15.05 m: vein of Qtz-Po (5%), 15.20-15.40: Po stringer parallel fol^{n} ~5% Po, 15.56 m: 1 cm wide Calc-Chl-Qtz-Po (10%) vein, 16.50-16.80 m: ~2° 2 cm wide Qtz-Po (3%) veins with adjacent Po (5%) str., 16.92-16.98 m: Qtz-tour vein 1-2% Po	M.96-17.00	2.04	44	<5	59		-

211-8437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property LP-TAY	District	Hole No. LP-85-03	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

m | Core angle

Footage Metrage From	To	Description	Sample No.	Length	Analysis Au	Ag	Cu		Assay Au
(7.62 - 28.30 m		Cont'd) Assays - 25.60 to 28.30 m; Qtz-Bi-Musc-Chl ± Calc schist c̄ "5" Qtz-Po veins - ave 2 cm wide, large 8 cm wide	25.60-28.3	2.7m	200	16	137		
		- Po in veins ~ 5%, local massive Po in qtz c̄ ~1% cpy							
		- local sections of po str parallel fol^{n} up to 8%							
		- 27.85 narrow 2 cm Qtz-Po (3%) vein							
28.30 - 32.30 m		Qtz vein section (c̄ schist inclusions)							
		- massive wh. to lt. gray qtz with Bi-Qtz-Musc ± Chl ± Calc inclusions. Upper and lower contact orientations unclear, due to brc-irreg. contact							
29.0	30'	- schist inclusions total approx. 1.4 m of section, carbonate is sparse < 1% of total.							
		- qtz vein is well fractured, and infilled by minor hairlike anasmotizing calc. veins.							
		- fibrous blk. tour. is abundant (as a replacment of schist?) and occurs as large patches ~ 5-15 cm long (5% over whole section).							
		Mineralization - Po occurs uniformly throughout the qtz vein (angular shapes to some blebs and patches) and mainly as irregular shaped patches and stringers, (interconnecting), locally as large massive patches up to 2x2x4 cm.							
		Some Po veins (2 mm wide) although discontinuous, are orientated @ 155/85 W "crudely"							
		- overall Po ~ 8-10%							
		- Cpy occurs c̄ in the qtz as narrow fracture fillings ± po (~1 mm wide), gen irreg. & discontinuous, overall <.5%.							

211-8457

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property LP-TAY	District	Hole No. LP-85-03	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage Metrage From	To	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu		Assay Au	g/
(28.30 - 32.30 m		Cont'd) Assays - 25.60 to 28.30 m - Bi-Qtz-Ms schist c "3" qtz veins ave 8 cm wide c up to 20% po, ave 5% po								
		- locally cpy (2%) occurs in a vein at 26.00 m								
		- tour. up to 10% at vein margins					-			
		28.30 to 30.65 m - Qtz-Po vein ~ 10% po, mainly as massive angular patches and fracture fillings	28.3-30.65	2.35	10	6	94		-	
		- <1% cpy as small dissem. blebs								
		30.65 to 31.43 m - schist inclusion? ~1% po dissem.	30.65-31.43	.78m	10	5	36		-	
		31.43 to 33.43 m - Qtz vein mainly 31.43-32.43, schist (lower contact) 32.43-33.43	31.43-33.43	2m	80	26	212		-	
		- Qtz-Po vein ~ 10% po as irreg. patches and discon. str.								
		- 3-5% po in schist as discon. str. and patches gen. parallel to fol^{n}. Note local brc of sulphides								
		- Note: Po in vein is ex. conductor both in massive patches and along irreg. stringer fracture filling.								

Scale

Colour Plot & Dips

Drill Hole Re ord

Cominco

Property LP-TAY	District	Hole No. LP-85-03	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage Metrage From	To	Description	Sample No.	Length	Analysis
32.30 - 44.20 m		Qtz-Bi-Musc + Calc schist			
35.0	45°	- well banded med. green - br. schist, locally lt. gray (calcareous sections)			
		- compositional layers gen show sharp contacts, (calc-rich & bi-qtz rich interfoliated layers)			
35.6	66°	- local sections show boudinage or brc of qtz-bi-ms + chl schist layers - which are bounded			
		by calcareous schist layers i.e. 35 m - 35.6 and at 44.0 m - 44.20 also 40.30 to 40.50			
38°	52°	- v. little chl (<5%), poss. some retrograde after bi			
		- local 2° bi parallel to fol^{n}, low musc ~5% grayish white			
40.0	62°				
		Veins: i) Qtz-Calc-Chl + po ii) Qtz-Po iii) Po veins parallel fol^{n}			
43.0	66°	i) narrow (1-5 mm wide) veins ave 1-2% po, have orientation 1/2 m 25-35°/60-90°			
		ii) ave 5 cm wide, Po (5%), blebs and irreg. patches, lenses and veins parralel to fol^{n}.			
		density 1/1.5 m.			
		iii) narrow (2 mm) Po bands, locally			
		Mineralization:			
		- Po present mainly in qtz as irregular shaped patches, gen. section low in po overall			
		~ 1-2% po. Spotty po in calc-chl-qtz stringers, v. little po veins parallel fol^{n}.			
		- tr cpy observed (<< 1%) with qtz-po vein			

811-0437

Drill Hole Record

Cominco

Scale

Colour Plot & Dips

Property LP-TAY	District	Hole No. LP-85-03	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

m	Core angle	Footage Metrage From	To	Description	Sample No.	Length	Analysis Au	Bi	Cu		Assa Au	g
		(32.30 to 44.20	m	Cont'd) Assays - 33.43 to 35.43 m: Bi-Qtz-Ms ± Chl schist c̄ 2 narrow(.5-2 cm) Calc-Qtz-Chl veins (10% po), 1 irregular lensoid qtz vein 3% po in dissem. blebs	3343-3543	2.00m	<10	< 5	76		-	
		44.20 to 52.27m		Qtz-Bi-Ms ± Chl ± Calc schist (saa), has distinct increase in qtz veins and po content. Brc/boudinage sim. to above section though not nec. related to min^{z}. Po as massive cross-cutting veins, and irreg. stringers and patches c̄ in qtz veins.								
46.0	50°			Note: at 44.20 m good example of massive po parallel to fol^{n} in qtz-mica schist just at contact with calcareous schist.								
				-brc/boudinage at 44.85 to 45.05 m, 48.00 to 48.75 m, 48.75 to 49.75 bx, wr. near qtz veins								
48.0	45°			Veins - mainly qtz-po, gen. have irreg. shape and orientation, approx .5-8 cm wide ave 2 cm wide with massive patches of po (ang. to irreg. outlines)								
57.0	65°			- some veins contain up to 90% po and 10% qtz.								
				- orientations 030/85N, 105/40N								
				Assays: 44.00 to 46.00 m - semi-massive po parallel fol^{n} 44.20-44.25, "2" 5 cm wide (total 5% po in interval) Qtz-po veins (10-20) po,""3" 1-2 cm wide qtz-po, one having 90% po. (<<1% cpy as tiny blebs in po)	44-46	2m	240	23	146		-	
				46.00 to 48.00 - "2" 5 cm wide irreg. qtz veins c̄ 5-10% po, tr cpy, (total 2-3% po in interval) same bx of schist at vein contacts.	46-48	2.00 m	<10	< 5	48		-	

Drill Hole Record

Cominco

Scale

Colour Plot & Dips

Core angle

Property LP-TAY	District	Hole No. LP-85-03	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim	LP-TAY					Sheet
	T Brg.	Collar Dip	Elev.	Length	Hole No.	
		/				

Footage From	Footage To	Description	Sample No.	Length	Analysis Au	Bi	Cu		Assa Au	g
(42.20 to 52.27	m	Cont'd) Assays: 48.00 to 50.00 m - irreg. qtz veins 1-3 cm wide "4" with (3% po in interval) approx. 5-10% po (coarse grained) and approx. .5% cpy as tiny blebs in po, + 5% fine grained py - local dissem. and stringers of po in interval	48-50	2m	20	10	85		-	
		50.00 to 52.27 m - s.a.a., though has "2" qtz-tour (15%) veins (2-3% po in interval) 20 cm wide (51.25-51.45) and 7 cm wide (52.0 to 52.07) - has one 1 cm wide qtz-po vein with 10-20% po (50.00) - also one 1 cm wide calc-qtz-chl vein c 15% po (chl as selvage), with local vugs (51.50)	50-52.27	2.27m	20	< 5	67		-	
52.27 to 57.14	m	Calcareous. Qtz-Bi-Ms + Calc ± Chl schist - section has 30-40% calcite interfoliated with the qtz-mica schist (poss. a limy slst?). Bounding structures are pervasive in section (micaceous layers boudined out) also local micro-faulting of layers assoc. with irreg. discont. calc-qtz-chl veins. Qtz as lenses 1-3 cm wide gen. have 1-3% po and locally devel. of thin 2° bi envelopes(?). At 55.75 a 2 cm wide qtz-tour (50%) vein with patchy min^z 5% po, 1% cpy, occurs - parallel to fol^n have dissem. grains and blebs of py (2%) - poss. marcasite?								
57.15 to 59.25	m	Massive wh. qtz veins (parallel fol^n - sub parallel) - rel sharp contacts, cross-cut by irreg. & discont. calc-chl stringers	57.15-58.25	1.10	<10	6	70		-	

55.00 56°

Scale

Colour Plot & Dips

Drill Hole Rec rd

Cominco

Property LP-TAY	District	Hole No. LP-85-03	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

~~Footage~~ Metrage From	To	Description	Sample No.	Length	Analysis
(57.14	to 58.25	Cont'd) - 3% po at lower contact (of one), as blebs and fracture infillings (vein i)			
		- some sericite present along fracture coatings in vein			
		- "3" veins i) 57.15 - 57.32 3% po sub parallel to fol^{n} ii) 57.55-57.61 10% po, .5% cpy as massive patches and stringers parallel fol^{n} iii) 57.77-58.18 5% po, 1% cpy with wall rock inclusions and 2^{o} Bi, also has calc-chl stringers cross-cutting			
		- betw. veins is schist (mafic) and minor calc stringers 094/835 (poss tension gashes as are discon.)			
		- at 57.5 evid of tight folding and develop^{n} of S_2 (pseudo-chevron style)			
58.25	to 89.92	Qtz-Bi-Ms ± Chl ± Calc schist - sim to above schists although somewhat greener (appears to be less bi and more green ms), are 10%-20% calc-qtz bands. Boudinage assoc. with interfoliated calcareous schist and mica schist bands i.e.) 58.25 to 62.50, 77.00 to 80.00 standout			
61.0	52°				
63.0	58°	Veins: dominated by i) Calc-qtz ± Chl veins, also ii) qtz ± po veins iii) po veins parallel foliation			
65.0	50°				
		i) abundant 2-10 mm wide veins (ave 5 mm), ± chl as selvage and chl altered (?) inclusions present			
		- gen planar 160-175/70-85°W - also hairlike discont. random veinlets.			
		density: 58.25-60.66 = 1/.5 m, 60.66-66.75 = 1/24 cm, 66.75-74.37 = 1/22 cm, 74.37-80.47 = 1/26 cm, 80.47 to 89.92 = 1/52 cm			
		Note * calc veins commonly refract across compositional bands			
		Note * 84.73 ± 30 cm "made water down hole"			

Scale

Colour Plot & Dips

Drill Hole Re ord

Cominco

PAGE 1 of 9

Property LP-TAY	District	Hole No. LP-85-03	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

m | Core angle

Footage Metrage From	To	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu	Assay Au g/
(58.25 - 89.92		Cont'd) veins cont'd						
			8792-8992	2 m	<10	10	30	-
3.0	40-60°	ii) Qtz + Po; - a few 3-8 cm wide massive qtz-po veins gen. parallel to fol^n with 2-5%						
		po at the vein walls. ave density: 1/3 m over the section.						
		iii) po veins parallel to fol^n as stringers are local but gen. proximal to some sort of						
6.0	42°	vein.						
7.0	50°	Mineralization: - Po occurs in the calc-qtz-chl veins as mass. patches of irreg. shape - po up						
		to 70% of individual veins						
8.0	55°	- po is coarse grained						
		- locally po is parallel to fol^n (replacement zones), up to 20% of some 15-25 cm						
9.0	45°	sections, as discon. and cont. str.						
		- po also occurs as patches and blebs in qtz veins (frac. infillings?) 3-5% ave						
11.0	58°	58.25-60.66: total po ~ 2%						
		60.66-63.75: total po ~ 5% - 7%						
14.0	45°	63.70-66.75: total po ~ 5%						
		66.75-71.32: total po ~ 3.5%						
16.0	55°	71.32-74.35: total po ~ 3%						
		74.35-84.73: total po ~ 2-3%						
39.0	45°	84.73-89.92: total po ~ 2-3%						
		Note: tr (< 1%) cpy blebs throughout, mainly c massive po patches						

211-8437

Drill Hole Record

Cominco

Property LP-TAY | District Watson Lake M.D. | Hole No. LP-85-4

Commenced 5:00 am 6 October 85 | Location Seagull Creek 105F/10 | Tests at - | Hor. Comp. 57.54

Completed 2:00 am 7 October 85 | Core Size NQ | Corr. Dip - | Vert. Comp. 57.54

Co-ordinates 10+005, 7+55E | True Brg. 243° | Logged by I.A. Paterson

Objective Test EM anomaly for mineralized boulder source | % Recov. 90. | Date 7 October

Claim LP-TAY | T Brg. 243° | Collar Dip -45° | Elev. | Length 31.38 m | Hole No. | Sheet

Scale | Colour Plot & Dips

Footage From	To	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu	Assay Au g/t
	0	15.25	overburden - casing							
5.4	15.25	21.50	greenish brown qtz + ms + bt schist; core angles vary - folded, 2-3% dissem. po. Approx 15% of core consists of qtz + po ± cpy veins (5-15% po approx 1% cpy). Some veins are in fact irregular pods. There are 6 veins, with average width - 5 cm (c/as. 90°, 75°, 30° - parallel to S. 55°, 35°, 40°). Possible orientation of contacts of steep dipping veins = 160°/70E, 142°/90°, 155°/60°E, 155/90°.	15.25-17.50	2.25	40	10	85	-
				17.50-19.50	2	730	63	146	-
1.0				19.50-21.50	2	120	13	84	-
1.0									
	21.5	56.0 m	schist as above with interlaminated white cc + qtz layers	21.5-24	2.5	22	< 5	46	-
			21.5-24.00 m: 11 veins (po + calc + qtz ± bt ± cpy) (max width 1 cm, c/a 152/45W						
2.0			135/80W, 180°/80E, 145/90°)						
			24.0-26.0 m: 10 veins (as above) max width 3 cm; locally bt veins, c/a = 140/90, 138/75E,	24-26	2	160	22	68	-
6.0			140/90, 10°80E, 140/90, 150/90						
			26.0-28.0 m: 11 veins (as above), 2 veins, each 5 cm contain only minor po along contacts and	26-28	2	< 10	5	55	-
1.0			are parallel to the foliation, c/a = 5°/75°E, 135/90, 140/90. Note patches of dissem. po and						
			1 cm tour + qtz vein with po rim and similar orientation to qtz + po veins.						
10.0			28.0-30.0 m: irregular qtz + tr po + bt at 28.2 (13 cm), po + qtz + py vein (1 cm, irregular),	28-30	2	176	31	134	-
			po vein (1 cm), 2 cm zone of dissem. po ± cpy. Parallel to foliation, qtz + tour ± ms						
2.0			(140/60E), 2-5% po overall.						
			30.0-32.0 m: 4 narrow qtz + cc + bt + chl veins, qtz + po + cpy vein at 31.5 m (ca = 140/90°)	30-32	2	20	6	48	-
6.0									

Scale

Colour Plot & Dips

Drill Hole Re rd

Cominco PAGE 2 of

Property LP-TAY	District	Hole No. LP-85-04	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	To	Core angle	Description	Sample No.	Length	Analysis Au	Bi	Cu		Assa Au g/
0										
m		Core angle								
			32-34 m: 9 po + qtz + cc veins. At 32.1 m, 10 cm qtz + po + bt vein (c/a = 140°/90°). At 33.22 m 3 cm qtz + po + cpy vein (c/a 145°/60°E). At 33.4 m qtz + po + tr cpy (1-2 cm, c/a 140°/90°)	32-34	2 m	<10	7	75		-
			34-36 m: 5 qtz + po + cpy + py veins (max 6 cm, c/a 140/90, 0°/80E. Note irregular qtz + ms + tr po vein (10 cm). 5 calc + qtz veins patches of dissem. po parallel to S_1	34-36	2	24	7	67		-
			36-38 m: 10 po + qtz veins, 21 cm total thickness (i.e. 10% of sample (c/a = 145/90, 170/80E (with ms). Note 10 cm qtz vein parallel to S_1 (flat) with qtz + bt + po feeder veins. Note orientation of fracture clearage in schist (140-125°/90°). This parallels many of the veins. Note qtz + ms + po + tour + bt + cc vein parallel to S_1 (3 cm), some dissem. po - 5% max.	36-38	2	<10	<5	46		-
34.0		50°	38-40 m: 7 qtz + po veins (9 cm total width), c/as, 165°/90°, 5°/90° 140/80W, 145°/90°, 175/90° 140°/90 (to + qtz), 3% dissem. po.	38-40	2	<10	6	53		-
42.0		40°	40-42 m: 6 veins (qtz + po), 12 cm total. Note tour + qtz + cc + po 1.5 cm vein (170°/90°). Irreg. qtz + ms + po + cpy vein (2 cm qtz + cc + po + tour (1 cm 170/90°), c/as 135/60N. Some dissem. po (2-3%). Note po stringers parallel to foliation - may be offset by flat faults.	40-42	2	92	27	79		-

211-8437

Drill Hole Record

Cominco PAGE 3 of 4

Property LP-TAY	District	Hole No. LP-85-04	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Scale — Colour Plot & Dips — m — Corr. angle

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	To	Description	Sample No.	Length	Analysis Au	Ag	Cu		Assay Au	Ag
		42-44 m: 6 qtz + po veins (19 cm). 4 x 1 cm po stringer zones parallel to foliation. 1 cm tour + cc vein (140/70°E); qtz + po ± cpy veins (flat parallel fol^{n}, 155/20° W; 5% po overall.	42-44	2	42	10	109		-	
44.0	55°	44-46 m: 6 qtz + po ± cpy ± ms irregular veins (21 cm total thickness - 10%); Note possible orientations: 130/90° (qtz + po + ms + cpy) - rest of veins are difficult to measure.	44-46	2	60	10	101		-	
		46-48 m: 9 qtz + po veins (7 cm total) - vein every 15 cm, several po stringers parallel to the foliation. 5% po total. Vein orientation = 140°/50°W, 140°/90°. Note how veins may be cut off by faults parallel to foliation. Several veins are parallel to fol^{n}.	46-48	2	352	48	128		-	
48.0	55°	48-50 m: 4 qtz + po veins (4 cm). 3 x 1 cm replacement zones ± po stringers parallel to the foliation, veins: 140/70° SW. 140/80°W hostrock is still dark grey to greenish qtz + ms + bt schist.	48-50	2	362	51	92		-	
50.0	45°	50-52 m: 2 silic veins. One is parallel to fol^{n} 6 cm thick and is intersected and veined by a qtz + cc + po + cpy + ms vein (2 cms). 6 po replacement zones parallel to foliation, orient^{n} of cpy bearing vein = 130°/80W.	50-52	2	120	18	98		-	
52.0	45°	52-54 m: 3 qtz + po + cpy veins (total 7 cms). 4 po stringers parallel to the foliation. Vein orient^{n} = 125/90, 145/90, 132/60°.	52-54	2	114	22	146		-	
54.56-62.0 m		54-56 m: Poor recovery - mislatch around 54.25, 30 cm of po + qtz veins (5 veins). Note 20 cm length of qtz + tour + py ± po veins and stringers parallel to foliation. Irregular qtz + po (30%) + py (5%) + tour(?) + calc + cpy composite vein (10 cm)	54-56	2	<10	7	148		-	

211-8437

Drill Hole Record

Cominco PAGE 4 of 4

Property LP-TAY	District	Hole No. LP-85-04	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Scale

Colour Plot & Dips

m | Calc angle

Footage From	Footage To	Description	Sample No.	Length	Analysis Au	Bi	Cu		Ass Au	g
		56-58 m: 30 cm of patchy irregular qtz + po ± ms ± py ± tour. From 56.1 to 56.3 note 12% po replacement parallel to foliation. Note impossible to measure veins	56-58	2	314	38	134		-	
8.5	35°	58-60 m: Anastamosing veins of qtz + po + tour + cpy - constitutes 40% of core (rest is bluish grey ms + bt schist). S_1 is contorted within veined areas. Contact of one qtz vein was measured at 160°/90°.	58-60	2	634	171	194		0.82	
60.0	80°	60-62 m: Similar to 58-60m. 22% qtz + po, tr cpy.	60-62	2	2470	370	197		2.81	
		62 - 81.38 m - greenish grey + ms + bt ± calc schist		2						
64.0	80°	62-64 m: 5 cm, 7 qtz + po veins cutting schist, 3 qtz veins parallel to foliation; minor py in ore vein. Vein orient^n 140°/90°	62-64	2	<10	7	44		-	
67.0	55°	64-73 m: interfoliated qtz + calc and ms + bt + qtz schists. From 64 to 70 m only seven narrow quartz + calc + po veins (130°/90°) 2-5% dissem. or stringer po. From 70 to 73 m there are no qtz + py veins								
70.0	45°									
72.0	50°									
75.0	50°	73-75 m: schist with two qtz veins parallel to S_1 Po present in qtz at contacts. Contorted schist inclusion.	73-74	1	<10	<5	28		-	
78.0	45°	75-81.38 m: interfoliated qtz + calc and qtz + ms + bt schist. Note qtz ± po veins parallel to S_1 at 76 m (6 cm, 9 cm - only 1% po) at 75.29 qtz + py + tour vein with brc fragments (6 cm). Only 12 thin - qtz + calc + po veins (max - width 2 cm. Orient^n = 175/90°, 140/90)								
81.0	35°									

Claim LP-TAY | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

211-8437

Drill Hole Record

Cominco

Scale

Colour Plot & Dips

Property LP	District Watson Lake	Hole No. LP-85-05		
Commenced 7th October 85	Location Seagull Creek	Tests at -	Hor. Comp. 84.5 m	
Completed 8th October 85	Core Size NQ	Corr. Dip -45	Vert. Comp 106.5 m	
Co-ordinates 19+00 S, 3+20 E		True Brg. 243°	Logged by I.A. Paterson	
Objective Test of EM and Mag Anomaly		% Recov. 94%	Date 8 October 85	

Claim LP | T Brg. 243° | Collar Dip -45° | Elev. | Length 104.85 m | Hole No. | Sheet

Core angle	Footage From	Footage To	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu	Assay Au g/t
	0	3.35 m	overburden						
60°	3.35	14.29 m	Several pieces of core containing ms-granite from 3.35-3.60 in contact with schist (c/a = 15°). The schists consist of dark brown to dark grey ms + bt + qtz with interlams of pale green to white siliceous rock, (+ diopside skarn?). The pale green alteration may cut across the dark brown bt + ms + qtz schist	12-14.29	2.29	<10	6	42	-
55°									
55°									
70°									
	14.29	14.84 m	Veins: only 2 veins, qtz + po + calc + musc (less than 1 cm, 165°/90°) qtz (90%) + po + py vein, sub. parallel to S_1, irregular	14.29-14.84	.55	<10	9	120	-
35°									
45°	14.84	21.90 m	bt + ms + qtz schist with occasional pale green irregular patches sub-parallel to the foliation, po + qtz at 16.46 m (6 cm), 17.4 (5 cm). Only 4 narrow po veins including above.	14.84-17	2.16	20	10	56	-
	21.9	23.58 m	qtz (35%) + musc (25%) + feld (40%) + granite; disseminated tourmaline, layering defined grain size with both pegmatitic and felsic phases. Minor dissem. py and po; po usually assoc. with tour. Both contacts are parallel to S_1 (c/a = 35°) - flat lying sill; note schist inclusion near base.	22.5-23	1.5	20	10	6	-
45°	23.58	37.25 m	dark brown bt + ms + qtz schist with 5% pale green bands up to 5 cm in width. Note po + qtz (5 mm) vein emanating from pale green band at 28.1 m. Qtz vein at 30.0 m (10 cm) Parallel to fol^n. Note qtz + ms 2 cm vein (100°/90°) cutting across pale green po - bearing alteration vein (175/90). Calc + qtz + bt ± po ± py veins are fairly common - 2 veins (< 1 cm) per metre; Broken rock 25-26 m. 1 cm calc. vein, angular schist inclusions at 25.7 m (180/90).						
45°									
55°									

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property LP	District	Hole No. LP-85-05	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	To	Description	Sample No.	Length	Analysis Au	Ag	Cu	Assay Au
36.0	30'	34-36 m: brown schist with '2'1 cm pale green bands parallel to S_1; at 35.25 m 1 cm po vein parallel to fol^n	34-36	2m	<10	< 5	48	-
		36.0-37.16 m: schist with irregular bleached patches; note 1 cm po vein ($20^0/90^0$)	36-37.16	1.16m	<10	< 5	63	-
	37.16- 45 m	Qtz + po ± tour ± py vein brc zone. 50% qtz, 35% brown mass. tour or tourmalinized schist, 15% po ± cpy especially in qtz zones. Note how py tends to be assoc. with tour; replaced schist is contorted with irregular po veins.						
		37.16-38.16 m: 60% mass. tour, 35% qtz + 5% po + tr py and cpy. Contact at 37.16 is irregular; and schist is tourmalinized.	37.16-38.16	1	<10	< 5	96	-
		38.16-39.16 m: 60% qtz + 15% po + 25% tour. 1% cpy assoc. with po + qtz + tr py	38.16-39.16	1	<10	< 5	453	-
		39.16-41.05 m: 60% qtz + 1% po; 30% tour + 5% py + 4% tour. Note tour zones are cross-cut by qtz + py + po veins	39.16-41.05	1.89	<10	< 5	7	-
			40.05-41.05	1	24	< 5	263	-
		41.05-42.05 m: mainly tourmalinized schist with py; 10% qtz + po in irregular pods	41.05-42.05	1	<10	< 5	246	-
		42.05-43.0 m: contorted schist with irregular po veins, minor py and tourmalinized zones	42.05-43	.95	<10	< 5	216	-
		43.0-44.0 m: similar to above with 40% qtz + po + cpy	43-44	1	<10	< 5	328	-
		44.0-45.0 m: altered contorted schist with 10% qtz and irregular po veins or tour zones. 2-3% py. Orientation of qtz vein at contact = $10^0/70E$.	44-45	1	<10	12	294	-

211-0457

Scale

Colour Plot & Dips

Drill Hole Record

Cominco PAGE 3 . 4

Property LP	District	Hole No. LP-85-05	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	To	Dip	Description	Sample No.	Length	Analysis Au	Bi	Cu		Ass Au	g/
45	53 m		Schist with pale green, buff or grey layers, parallel to S_1 or as irregular patches								
			45-51 m: 60% bt + ms + qtz schist, 40% pale green or buff bands parallel to S_1 or as irregular	45-47	2	< 10	< 5	44			
			patches - skarn/metasomatic alteration. At 48.16 m calc vein with angular schist clasts								
			at 49.4, 1 cm tour + py + calc vein, at 49.9, tour + calc + py vein					-			
			51-53 m: same as 45-51 m.								
53.0		30°	53 - 104.85 53-62 m: dark brown to grey bt + qtz + musc schist with only minor green skarn alteration.								
55.0		30°	(EOH) Note 2 cm band at 59 m with pink garnet, dark green diopside and buff to white qtz.								
57.0		35°	Very few qtz + po veins (only 3 - all less than 1 cm). Gradational contacts								
59.0		25°	62-68.88 m: schist as above but with greater content of qtz + po veins. Probable average of								
62.0		35°	3 x 2 cm veins/metre of core, greenish alteration is about 10%, pyrite present in								
67.0		25°	some veins								
			68.88-70.88 m: schist with 5 qtz + po veins (total 14 cm) (tr py + cpy). tourmaline also present	68.88-70.88	2	< 10	< 5	67			
			in veins								
74.0		45°	70.88-75.0 m: bt + ms + qtz schist c irregular siliceous replacement zones (eg. at 72.0 m).								
			Tourmalinized fracture zone at 72.80 m. Minor qtz veins (less than 2 cm) at								
			73.5 m, 74.5 m								
			75-77 m: bt + ms + qtz schist with py replacement zones parallel to S_1 (only 2 cm). Cross-	75-77	2	< 10	< 5	83			
			cutting po + cpy + tour + qtz veins								
			77.0-77.5 m: qtz (60%) + po (5%) + cpy (1%) + schist 35% sharp tourmalinized contacts	77-77.5	.5	< 10	51	171			
			with schist.								

811-0437

Drill Hole Re ord

Cominco PAGE 4 c 4

Scale

Colour Plot & Dips

Property LP	District	Hole No. LP-85-05	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim LP | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	To	Core angle	Description	Sample No.	Length	Analysis Geochem Au	Bi	Cu	Assay Au	q
78.0		20°	77.5-83 m: dark brown schist. Several silicified zones and po ± py veins and patches							
83.0		45°	83-85 m: dissem. py stringers parallel to S_1, 4 x 1 cm qtz + py or po + bt.	83-85	2	< 10	< 5	41		
			85-88 m: schist with 3 qtz + po + tour veins							
88.0		45°	88-90 m: 88-88.3 - qtz + po brc. zone then schist with dissem. and stringer py (2-5%) and 2 x 1 cm qtz + po veins	88-90	2	20	7	104		
			90-91 m: schist with minor py replacement zones and 2 narrow po veins	90-91	1	24	6	134		
92.0		25°	91-93.85 m: schist (schist in this hole is not as platey as elsewhere): 92.3-92.6 - several qtz + po + py + cpy + tour veins cutting S_1							
			93.85-95.85 m: bt schist, irregular tourmalinized zones, 2 po + tour + py veins (1 cm each) dissem. and stringer py vuggy calcite vein with pyrite vein (1.5 cm)	93.85-95.85	2	< 10	8	64		
			95.85-99.0 m: dark brown schist with 5 qtz + po + bt + tour veins (16 cm) - fol^n much more gneissic with 3% dissem. py-qtz veins parallel to foliation and also cross-cutting							
			99.0-100.25 m: schist with irregular pods of qtz + calc + bt + po + py: bt is reddish brown: qtz + tour + py vein (8 cm)	99-100.25	1.25	20	< 5	39		
			100.25-101.8 m: 10 cm ms + qtz pegmatite cuts qtz + bt + ms gneiss. Note 1 cm tourmalinized zone parallel to S_1							
			101.8-103.0 m: qtz + py + cpy vein (30 cm) adjacent to qtz + ms + fp gneiss, py + po veins cut schist	101.8-103	1.2	80	11	125		
			103-104.85 m: qtz + bt + ms gneiss with irreg. patches of qtz ± po ± tour + py + cpy (5% of core). Note po vein parallel to S_1							

211-6437

EXHIBIT "A"

STATEMENT OF EXPENDITURES

FOR THE PERIOD AUGUST 21-OCTOBER 10,1985

LINECUTTING

40.8 km - Henk van Alphen (Smithers) -	$ 12,036

DIAMOND DRILLING

533 m (includes mobilization and bulldozer costs): Drilling by E. Caron Ltd., Whitehorse.	$ 67,539.40

I.A. Paterson,
Project Geologist

EXHIBIT "B"

STATEMENT OF QUALIFICATIONS

I, IAN A. PATERSON, with business address at 700-409 Granville Street, Vancouver, British Columbia, do hereby certify that I have supervised the field work and have assessed and interpreted the data resulting from this linecutting and diamond drilling programme on the LP and TAY mineral claims.

I ALSO CERTIFY THAT:

1. I graduated from the University of Aberdeen, Scotland with B.Sc. (Hons.) degree in 1967.

2. I graduated from the University of British Columbia with a Ph.D. degree in 1973.

3. I am a registered Professional Engineer of the Province of British Columbia, a Fellow of the Geological Association of Canada and a Member of the Canadian Institute of Mining and Metallurgy.

4. I have been engaged in my profession since my graduation in 1973.

5. I have been employed by Cominco Ltd. since 1974.

Respectfully Submitted:

I.A. Paterson,
Project Geologist

EXHIBIT "C"

IN THE MATTER OF THE ACT RESPECTING QUARTZ MINING IN THE YUKON TERRITORY AND IN THE MATTER OF A LINECUTTING AND DIAMOND DRILLING PROGRAMME CARRIED OUT IN PORTIONS OF THE TAY AND LP MINERAL CLAIMS LOCATED 60 KM SOUTH OF THE TOWN OF ROSS RIVER IN THE WATSON LAKE MINING DIVISION OF THE YUKON TERRITORY.

S T A T E M E N T

I, IAN A. PATERSON of the City of Vancouver in the Province of British Columbia, make oath and say:

1. THAT I am employed as a geologist by Cominco and, as such, have personal knowledge of the facts to which I hereinafter depose;

2. THAT included in this report and marked as Exhibit "A" is a true copy of expenditures incurred on a linecutting and diamond drilling programme on the Tay and LP mineral claims;

3. THAT the said expenditures were incurred between the 31st August and 10th October of 1985 for the purpose of mineral exploration on the Tay and LP mineral claims.

I.A. Paterson,
Project Geologist.

Dated this 20 day of January 1986.
at Vancouver, British Columbia.

TAY-LP CLAIMS

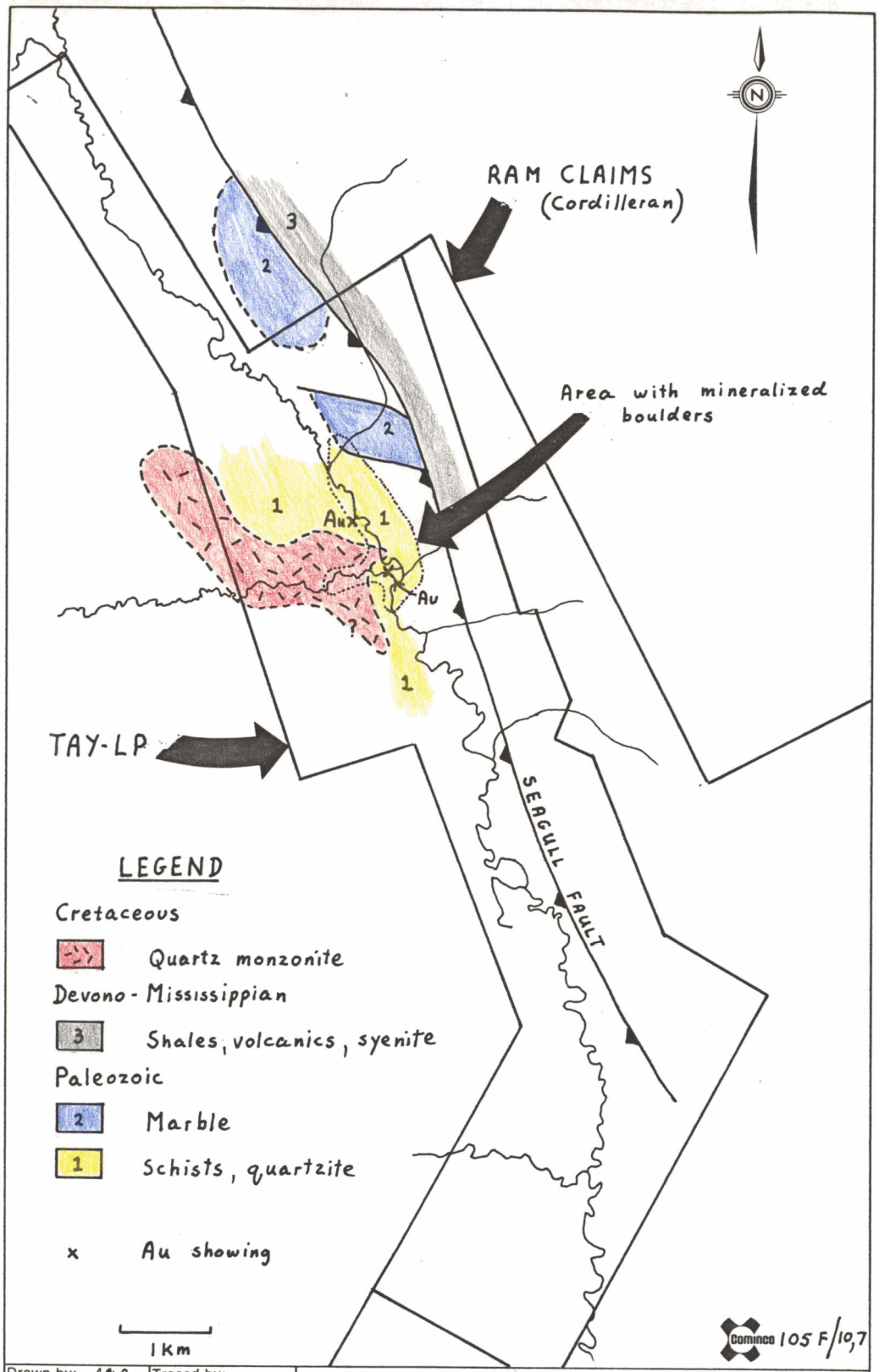
Drawn by M.J.G.	Traced by
Revised by / Date	Revised by / Date

LOCATION MAP
TAY-LP CLAIMS
WATSON LAKE M.D., YUKON

Scale: 1: 1,000,000 | Date: 10 Sept. 1985 | Plate Figure 1

NCI 112A CL

210-3810



Drawn by: GCP.		Traced by:	
Revised by	Date	Revised by	Date

TAY-LP
Regional geology
Claim location

Scale: 1 : 50,000 | Date: Nov 86 | Plate: Fig. 2

NCI - 112A - CL

210-0610

N

RAM CLAIMS

61° 30' N.

SEAGULL Ck.

RAM CLAIMS

105 F/7 61°30' N.
105 F/10

0 1 2 3 4 Km.

091777

TAY - L P

105 F/7,10

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

CLAIM MAP

Scale: 2" = 1 mile | Date: Dec., 1985 | Plate: 2

DRILL COLLAR LOCATIONS

FROM	TO	DISTANCE	BEARING
I.P. Tay 20	LP-85-01	95 m	152°
	LP-85-02	175 m	210°
	LP-85-03	195 m	60°
	LP-85-04	310 m	60°
	LP-85-05	900 m	164°

CLAIM BOUNDARY

SEAGULL CREEK FAULT

TOLBERT CREEK

RAM

TAY 1 TAY 2 TAY 3 TAY 4 TAY 5 TAY 6 TAY 7 TAY 8 TAY 9 TAY 10 TAY 11 TAY 12 TAY 13 TAY 14 TAY 15 TAY 16 TAY 17 TAY 18 TAY 19 TAY 20 TAY 21

LP 24 LP 25 LP 23 LP 22 LP 21 LP 19 LP 17 LP 15 LP 13 LP 111 LP 9 LP 7 LP 65 LP 173 LP 172 LP 171 LP 170 LP 169 LP 168 LP 167 LP 166 LP 165 LP 164 LP 16 LP 14 LP 12 LP 10 LP 8 LP 64 LP 78 LP 80 LP 82 LP 79 LP 81 LP 83 LP 18 LP 20

4200 4100 4000 3900 3800 3700 4300 4400

first float

CAMP

CORE STORAGE

LP-85-04

LP-85-030

LP-85-01

LP-85-020

LP-85-05

Q + Po vein

Q + Po + Py schist

Q + Po + Cpy

Marble + Limonite

5a(?)

LEGEND

Cretaceous(?)

5b Biotite quartz monzonite; abundant quartz + muscovite tourmaline alteration

5a Felsic dykes (5c: andesite dyke)

4 Skarn alteration (diopside, garnet)

Devono-Mississippian

3 Shales, siltstones

Lower Paleozoic

2 Banded buff weathering marble with interfoliated quartz + muscovite ± chlorite schist

1 Biotite + muscovite + quartz ± calcite ± chlorite schist

SYMBOLS

6 quartz ± pyrrhotite ± tourmaline vein

LP-85-02 1985 drill hole and number

20 attitude of foliation, + flat foliation

fault zone

claim post location (approx.)

0 100 200 300 400 500 m

091777

TAY - LP

105 F/10

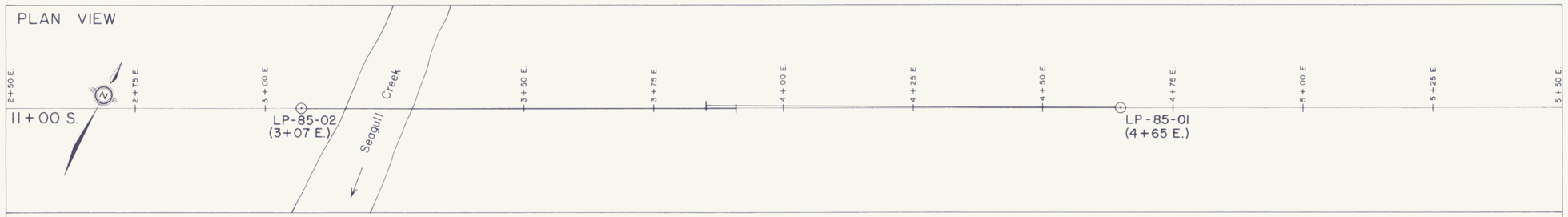
Drawn by I. A. P. Traced by a. m. b.

Revised by Date Revised by Date

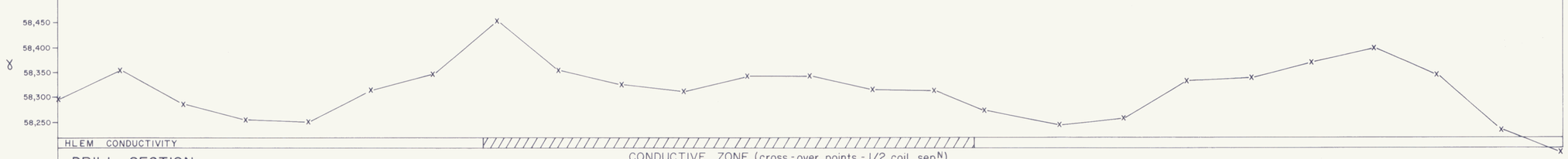
GEOLOGY, DRILL HOLE LOCATIONS, GRID AND CLAIM BOUNDARIES

Scale 1 : 5,000 Date Nov., 1985 Plate 1 a

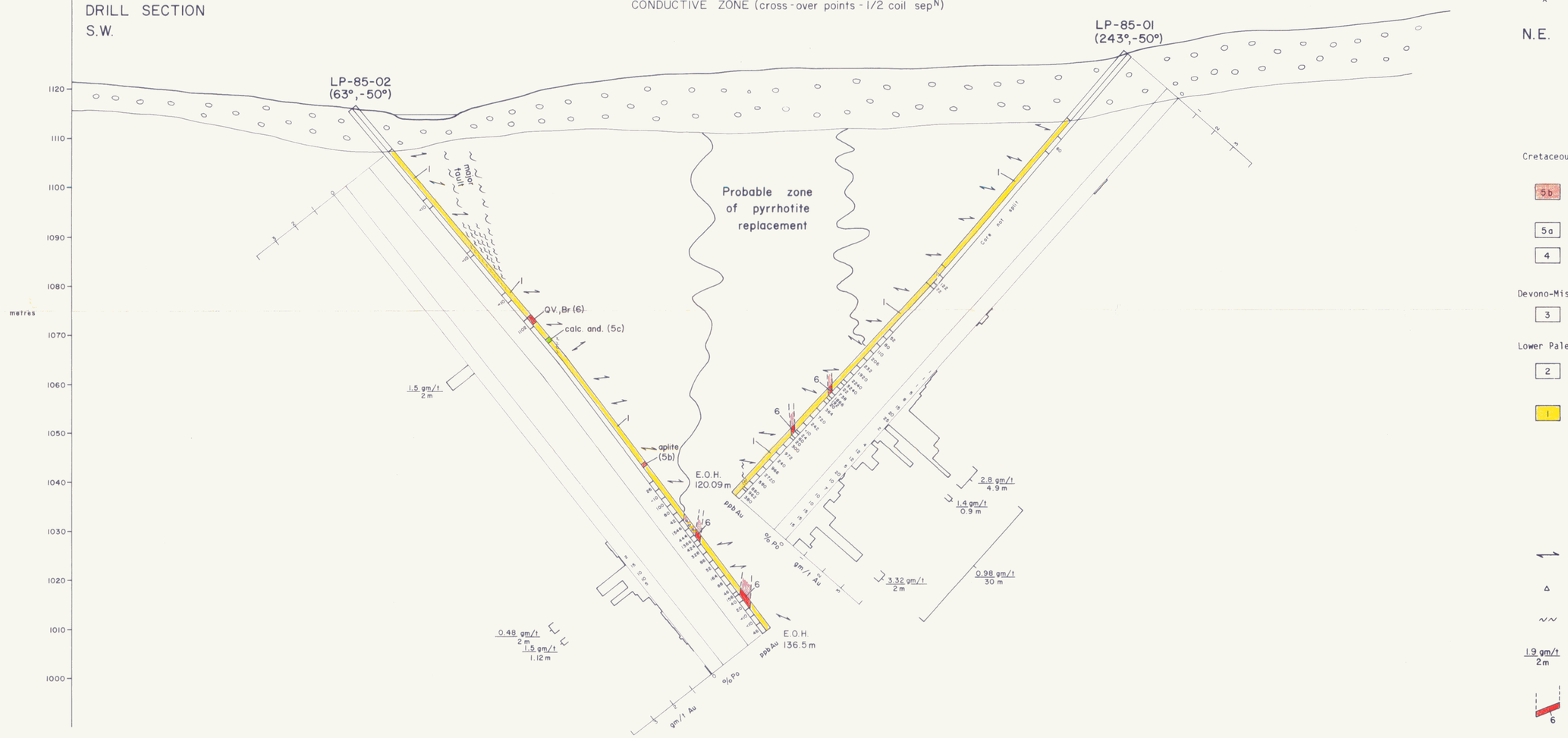
PLAN VIEW



MAGNETICS



DRILL SECTION



LEGEND

Cretaceous (?)

- 5b — Biotite quartz monzonite; abundant quartz + muscovite tourmaline alteration
- 5a — Felsic dykes (5c: andesite dyke)
- 4 — Skarn alteration (diopside, garnet)

Devono-Mississippian

- 3 — Shales, siltstones

Lower Paleozoic

- 2 — Banded buff weathering marble with interfoliated quartz + muscovite ± chlorite schist
- 1 — Biotite + muscovite + quartz ± calcite ± chlorite schist

SYMBOLS

- inferred dip of foliation
- Δ brecciated zone
- ~~ fault zone
- 1.9 gm/t / 2m — Au content using assay method
- 6 — quartz ± pyrrhotite ± tourmaline vein in drill core

091777

TAY - L. P.

Geoscience 105 F/10

Drawn by: I. A. P.	Traced by: a. m. b.
Revised by / Date	Revised by / Date

SECTION 11+00 S.
D.D.H. LP-85-1,2

Scale: 1 : 500 | Date: Nov., 1985 | Plate: 3

NCI - 117 - CL

FORM 210 - 0600

PLAN VIEW

10 + 00 S.

5 + 75 E. | 6 + 00 E. | 6 + 25 E. | LP-85-03 (6+40 E.) | 6 + 50 E. | 6 + 75 E. | 7 + 00 E. | 7 + 25 E. | 7 + 50 E. LP-85-04 (7+55 E.) | 7 + 75 E.

MAGNETICS

γ

58,250
58,200
58,150
58,100

mag low

HLEM CONDUCTIVITY

CONDUCTIVE ZONE

SECTION

S.W. — N.E.

metres

1180
1170
1160
1150
1140
1130
1120
1110
1100
1090

LP-85-04 (243°,-45°)

LP-85-03 (63°,-45°)

2-5 qtz + po veins (1-5 cm)/m of core

ppb Au

gm/t Au

contorted schist

E.O.H. 81.38 m

2.8 gm/t 2m

E.O.H. = 89.9 m

ppb Au

0 10 20 30 40 50 metres

LEGEND

Cretaceous (?)

5b Biotite quartz monzonite; abundant quartz + muscovite tourmaline alteration

5a Felsic dykes (5c: andesite dyke)

4 Skarn alteration (diopside, garnet)

Devono-Mississippian

3 Shales, siltstones

Lower Paleozoic

2 Banded buff weathering marble with interfoliated quartz + muscovite ± chlorite schist

1 Biotite + muscovite + quartz ± calcite ± chlorite schist

SYMBOLS

inferred dip of foliation

brecciated zone

fault zone

1.9 gm/t 2m Au content using assay method

6 quartz ± pyrrhotite ± tourmaline vein in drill core

091777

TAY - L.P.

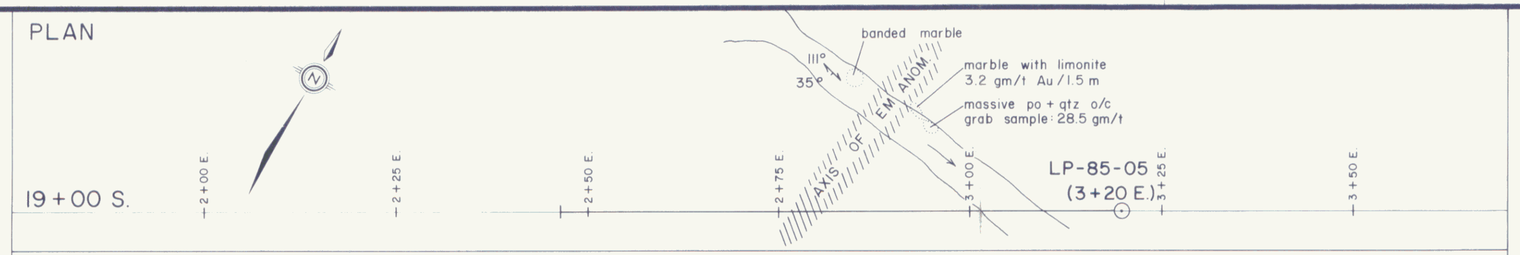
105 F/10

Drawn by: I.A.P.		Traced by: a. m. b.	
Revised by	Date	Revised by	Date

SECTION 10+00 S.
D.D.H. LP-85-3,4

Scale: 1 : 500 | Date: Nov., 1985 | Plate: 4

PLAN



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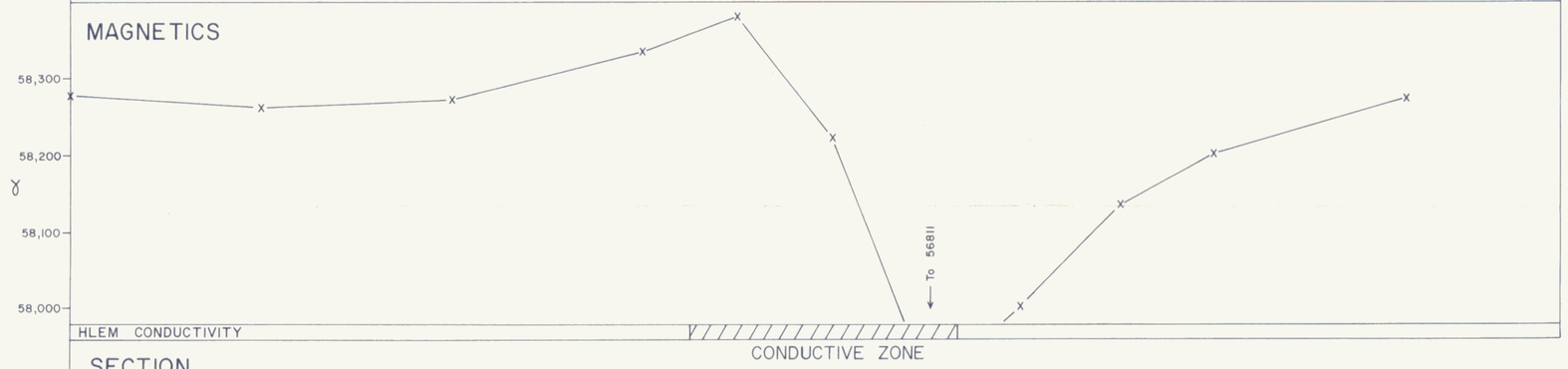
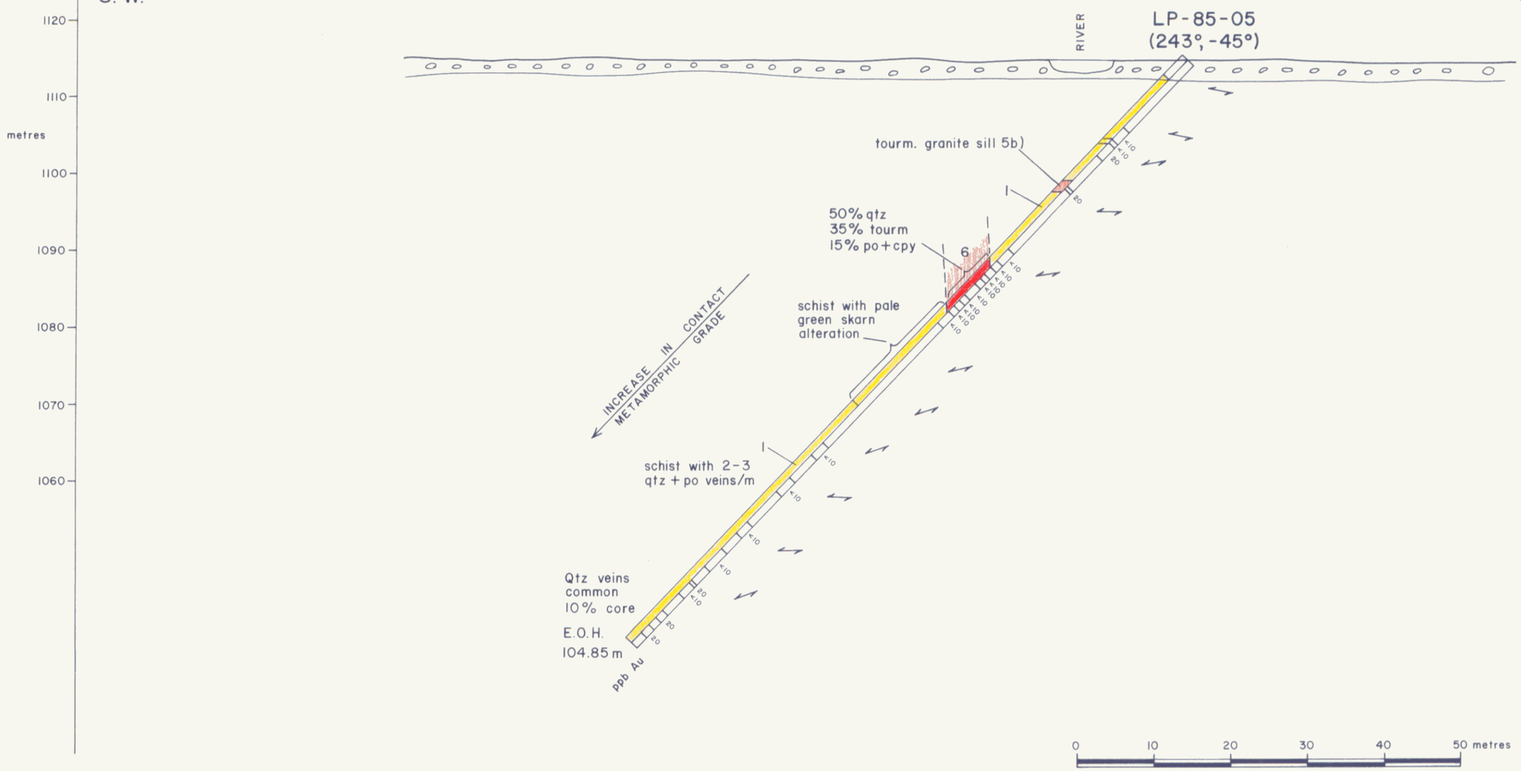


SECTION

S.W. N.E.



LEGEND

Cretaceous (?)

- 5b — Biotite quartz monzonite; abundant quartz + muscovite tourmaline alteration
- 5a — Felsic dykes (5c: andesite dyke)
- 4 — Skarn alteration (diopside, garnet)

Devono-Mississippian

- 3 — Shales, siltstones

Lower Paleozoic

- 2 — Banded buff weathering marble with interfoliated quartz + muscovite ± chlorite schist
- Biotite + muscovite + quartz ± calcite ± chlorite schist

SYMBOLS

- inferred dip of foliation
- brecciated zone
- fault zone
- 1.9 gm/t / 2m — Au content using rock geochemical methods
- quartz ± pyrrhotite ± tourmaline vein in drill core (6)

091777

TAY - L.P.

Dominion 105 F/10

Drawn by: I.A.P.		Traced by: a. m. b.	
Revised by	Date	Revised by	Date

SECTION 19+00 S.
D.D.H. LP-85-5

Scale: 1 : 500 | Date: Nov., 1985 | Plate: 5