RESULTS OF 1986 TRENCHING AND DRILLING PROGRAMME

ON THE

FRASERGOLD PROPERTY

APPENDICES

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APPENDIX I

Diamond Drill Logs

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. E6-15

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth
76.6m	50°	

Hole Size HQ
Angle of Hole -50°
Claim KAY 10
Section 5500E
Bearing 045°

Total Depth 76.6 m
% Recovery
Elev. Collar 1533.0
Latitude 97423.5
Departure 65342.0

Sheet No 1 of 7
Logged by DAL
Date Begun SEPT. 16, 1986
Date Finished SEPT. 19, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		0 – 4.6. OVERBURDEN						
		4.6 → 6.4 volcanic boulders + unconsolidated clay						
6.4		Box 1 4.6 – 9.6m	6.4	8.0			31042	.001
Q.V. limonitic buggy, Trps. Sericitic contact.		Knotted Phyllite, dark grey (carbonaceous) groundmass with						
Q.V. - similar to above sulphides 1-2% groundmass		oxidized knots, knots eroded	8.0	9.5			31043	.001
Q.V.	So 80	in places						
			9.5	11.0			31044	.012
10		Box 2 9.6 – 13.6						
Q.V., oxidized vugs slightly graphitic along contact.		Knotted Phyllite, as above						
		knots oxidized to 13.0m	11.0	12.5			31045	.010
Q.V. as above irregular contact			12.5	13.5			31046	.002

DIAMOND DRILL RECORD

PROPERTY FIASEAGOLD HOLE No. E6-15 SHEET No. 2 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton			
		Box 3 13.5 - 17.5	13.5	15.0			31047	.001			
		Knotted Phyllite, with argillaceous									
Q.V.Z. 40%, sulphides, chlorite, graphite,		and siliceous horizons (<1cm)									
15		showing S.	15.0	16.5			31048	.001			
			16.5	15.0			31049	.001			
		Box 4 17.5 - 22.2	18.0	19.5			31050	.001			
		Knotted Phyllite, massive									
		veined near end box.									
clay gouge, broken core			19.5	21.0			31041	.003			
20											
			21.0	21.6			31001	.004		21.8→	25.5
										.039	/3.7m
Q.V. massive,			21.6	23.1			31002	.026			
milky white with		Box 5 22.2 - 26.3									
argillaceous seams											
2-3% Sulphides.		Knotted Phyllite ~ vein zones	23.1	24.0			31003	.045			
Tr Cpy, Sericite											
+ carbonate fragments			24.0	25.5			31004	.047			
25											

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-15 SHEET No. 3 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton			
			25.5	27.0			31005	.001			
		Box 6 26.3 - 30.4									
		Knotted Phyllite	27.0	25.5			31006	.001			
	30 / 50										
			25.5	30.0			31007	.006			
Q.V.Z. with disruptive bedding No carbonate Sulphides along foliations											
30		Box 7 30.4 - 34.6	30.0	31.5			31008	.001			
		Knotted Phyllite with									
Q.V. with carbonate + Sulp		black (Carbonaceous) phyllite									
		hosting vein zones	31.5	32.5			31009	.001			
			32.5	33.1			31010	.001			
Q.V. with Carbonate Black Carbonaceous contact., Sulphides			33.1	34.5			31011	.001			
		Box 8 34.6 - 38.7									
Q.V. 80% disruptive/conformal bandings 5-7% sulphides		Knotted Phyllite / Black banded Phyllite, disruptive bedding	34.5	36.0			31012	.041		34.5-39.0	
35		near veins with increased sulphide								.026/4.5m	
33.1-33.5 KP		(to 5-7%) content									
			36.0	37.5			31013	.007.			

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-15 SHEET No. 4 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
Q.N.Z. 30% black banded phyllite host, high sulphides 37.4 zebra like texture graphitic along cleavage		Box 9 35.7–43.0 Similar to above, decrease in veining near end of box to more massive Knotted Phyllite.	37.5	39.0			31014	.032
Q.N. massive.			39.0	40.5			31015	.001
Q.V.Z. as above 40								
Q.V.Z. 20%, chlorite high sulphides (5-7%) in host.			40.5	42.0			31016	.001
			42.0	43.5			31017	.001
Q.V. with Tr Cpy.	30 85	Box 10 43.0–46.9 Knotted Phyllite, massive with dark grey groundmass						
Q.V. carbonate chlorite, sericite. 1-2% sulphides in groundmass. 45			43.5	45.0			31018	.001
			45.0	46.5			31019	.001
			46.5	46.0			31020	.001
Q.V.Z. 35% Sulphides with Tr Cpy.		Box 11 46.9–51.35 Black Knotted Phyllite with black banded sections. ie 46.9–45.2	46.0	47.5			31021	.031
1-2% sulphides as crnrs + diss.								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-15 SHEET No. 5 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au o/1ton			
			49.5	51.0			31022	.001			
50											
		Box 12 51.35' - 55.65'									
		Knotted phyllite massive well	51.0	52.5'			31023	.001			
1-2% sulphides.		foliated as previous.									
	S1 S0										
	ES1 S1		52.5'	54.0			31024	.044			
Q.v.											
			54.0	55.5'			31025'	.001			
55											
		Box 13 55.65' - 60.2	55.5'	57.0			31026	.032			
		Block Knotted phyllite									
Q.V.Z. 60% 10-15% Carbonate up to 10% sulphides - Tr Cpy.		- banded near vein zone with increased sulphides -	57.0	58.5'			31027	.006			
			58.5'	Co.o.			31028	.001			
60			60.0	61.5'			31029	.001			

DIAMOND DRILL RECORD

PROPERTY Fiaseo Gold HOLE No. 86-15 SHEET No. 6 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		Box 14 60.2 – 64.2 Knotted Phyllite with banded sections, minor veining with increased carbonaceous sections near veins.	61.5	63.0			31030	.007
Q.V., carbonate with sulphides.			63.0	64.5			31031	.024
contorted beddings.		Box 15 64.2 – 65.5	64.5	66.0			31032	.001
65		Knotted Phyllite with increased banding (and siliceous zones) to hole degrees.	66.0	67.5			31033	.006
		Tr – 3% disc. + smeared sulphides.						
			67.5	69.0			31034	.005
Q.V. replaces beddings	So							
	Cs 65 So 90°	Box 16 65.5 – 72.7.						
Veinlets, eroded		Knotted Phyllite to banded Phyllite with calcareous siltite horizon.	69.0	70.5			31035	.001
Q.V.Z. 60% 70								
5-7% sulphides with L Tr Cpy.			70.5	72.6			31036	.001
Calcareous Siltite. So 90°	Cs							
	Cs		72.6	73.8			31037	.006
Q.V.								

DIAMOND DRILL RECORD

PROPERTY Fjoser Gold. HOLE No. 86-15 SHEET No. 7 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
Q.V. milky white fracture filling near vein contacts 5% sulphide		Box 17 72.7 - 76.9.						
		Knotted Phyllite.	73.6	75.6			31038	.001
		73.8 - 74.5' banded Phyllite						
75	KP	with siliceous horizons. Sulphides	75.0	76.5'			31039	.001
	KP	along bedding cleavage.						
	KP	76.0 - 78.6. Black graphitic Phyllite						
			76.5'	78.6			31040	.035
Q.V.Z. 15%		Box 18. 76.9 - 76.6						
Sulphides as seams.		Black graphitic Phyllite.						
graphite along cleavage								
	8							
76.6	80	E.O.H.						

DIAMOND DRILL RECORD

PROPERTY FRASER GOLD HOLE No. 86-16

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth
63.4m	68°	

Hole Size HQ
Angle of Hole -70°
Claim KAY 10
Section 5S+50E
Bearing 045°

Total Depth 72.5
% Recovery
Elev. Collar 1529.0
Latitude 97390.0
Departure 65377.0

Sheet No 1 of 6
Logged by DAL
Date Begun SEPT. 19, 1986
Date Finished SEPT. 20, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		0 – 4.6m Casing						
46 Q.V., limonitic Tr py, sericite		Box 1 4.6 – 8.2 Knotted Phyllite, knots are oxidized with limonite along cleavage planes, Core broken to 7.2m	4.6	6.0			31051	.001
Q.V. highly fractured + limonitic, Py 2-3% oxidized vugs, sericite along vein contacts			6.0	7.5			31052	.004
			7.5	9.0			31053	.001
		Box 2 8.2 – 12.3 Knotted Phyllite, vein section has disruptive bedding, ? more carbonaceous than previous	9.0	10.5			31054	.006
10 Q.V., sericite along contact Py, Py, Cpy			10.5	12.0			31055	.006
disrupted, black banded phyllite is host.			12.0	13.5			31056	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-16 SHEET No. 2 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
host unit, banding is contorted.		Box 3 12.3 - 16.4	13.5	15.0			31057	.006
		Knotted Phyllite - similar to previous						
Q.V., Py to 5%, Py along foliation green alteration mineral in vein.								
14.2-14.6 Q.V. 50% 15 (ironstone, sericitic, Py+Po			15.0	16.5			31056	.001
		Box 4 16.4 - 20.4						
		Knotted Phyllite, minor veining	16.5	18.0			31059	.001
		with disjointed bedding, knots + siliceous horizons						
Q.V., Py+Po slightly chloritic		have been stretched, broken + disoriented	18.0	19.5			31060	.021
Q.V.-Zone, as above irregular contacts			19.5	21.0			31061	.001
20		Box 5 20.4 - 24.4						
		Knotted Phyllite with black banded sections						
		veins have been forcefully, emplaced disrupting	21.0	22.5			31062	.004
Q.V. Py Po 3% chlortic		local bedding + foliation						
jointing 50° to So filled with Q. + Py.	So 70°		22.5	24.0			31063	.001
Sulphides as smears + diss. along foliation			24.0	25.0			31064	.009

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. E6-16 SHEET No. 3 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		Box 6 24.4 – 25.8.	25.0	25.8			31065	.001
25		Knotted Phyllite, disruptive bedding near veins, more massive near end of box	25.8	27.0			31066	.009
Q.V.Z. 70% sulphides to 5%								
Q.v.z. 50%								
			27.0	28.5			31067	.001
		Box 7 28.5 – 33.0						
Q.V. Po/Py Carbonate Tr Cpy.		Knotted Phyllite, disruptive bedding near vein zones	28.5	30.0			31068	.011
Q.V. 30			30.0	31.5			31069	.022
Q.V.Z. 50% 3-5% sulphides with Carbonate			31.5	33.0			31070	.012
Q.V.Z. 80% 3-5% sulphides with no alteration. (Siderite) same core ground.		Box 8 33.0 – 37.4	33.0	34.5			31071	.006
		Knotted Phyllite as previous, less quartz veining, increase in sulphides as veins & disseminations along foliation planes	34.5	36.0			31072	.006
35								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-16 SHEET No. 4 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
			36.0	37.5			31073	.016
		Box 9 37.4 - 41.6.						
Tr-1% py/po		Knotted Phyllite, massive, well foliated less sulphides than previous (Tr-1%)	37.5	39.0			31074	.001
		40.6 → end box 3-4% sulphides.	39.0	40.5			31075	.001
40								
Q.V.	Si 65 So 85		40.5	42.0			31076	.023
Q.V., partially replaces siliceous horizon		Box 10 41.6 - 45.9						
	So	Knotted Phyllite, massive. 1-3% sulphides	42.0	43.5			31077	.001
			43.5	45.0			31078	.001
Q.V.								
45			45.0	46.5			31079	.001
		Box 11 45.9 - 50.2						
		Knotted Phyllite, massive banded in places, 1-3% sulphides.	46.5	46.0			31080	.001
			46.0	45.5			31081	.020

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. E6-16 SHEET No. 5 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
	So							
	S1 75 / So 80		49.5	51.0			31052	.005
50		Box 12 50.2 – 54.4						
		Knotted phyllite, very massive						
	So 85	minor siliceous horizons (< 5cm)	51.0	52.5			31053	.004
Q.V., graphitic contact increase sulphides over		show So, foliation subparallel						
ctrn.		slightly carbonaceous groundmass						
		1-3% sulphides	52.5	54.0			31054	.002
			54.0	55.5			31055	.015
		Box 13 54.4 – 58.7						
55		Knotted phyllite, massive						
		with minor bands of siliceous	55.5	57.0			31056	.006
		sediment						
			57.0	58.5			31057	.001
	So 40							
	S1 45	Box 14 58.7 – 63.2	58.5	60.0			31058	.007
		Knotted phyllite with						
		vein sections, disruptive / folded						
Q.V.'s. sericite graphite along contacts. 60		bedding near vein zones.						
host up to 5% sulphides.								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-16 SHEET No. 6 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
60		60.3–61.3 - unconformable bedding	60.0	61.5			31069	.001
Q.V. - Silver grey mineral			61.5	63.0			31050	.015
Q.V.Z. 5% sulphides in black carbonaceous groundmass								
		Box 15 63.2–67.2 Knotted phyllite, faint banding is visible	63.0	64.5			31091	.001
graded beddings ↑ up			64.5	66.0			31052	.001
Q.V. 65								
Q.V. replaces banding			66.0	67.5			31053	.003
Siliceous Sediments								
		Box 16 67.2–70.7 Knotted phyllite, massive main seams (few centimetres) of siliceous horizons	67.5	69.0			31054	.001
Q.V.Z 50% sulphides (5%) along contacts.								
	Sa 60 Cs 75		69.0	70.5			31055	.001
70								
		Box 17 70.7–72.5 Knotted phyllite, grade to banded phyllite.	70.5	72.5			31056	.006
Q.V. sulphides + Carbonate	Sa 85 Cs 75							
Crenulated bedding		72.5 E.O.H.						

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-17

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole 90°
Claim KAY 18
Section 54+50
Bearing

Total Depth 106.3m
% Recovery
Elev. Collar 1526.0
Latitude 9745.6
Departure 6530.6.5

Sheet No 1 of 9
Logged by PAL
Date Begun SEPT. 20, 1986
Date Finished SEPT. 21, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		0-4.6m overburden						
		Box 1 4.6 → 8.7						
4.6		Knotted Phyllite, massive, highly broken and fractured, limonitic, (oxidized to 7.1)	4.6	6.0			31101	.001
Q.V., Tr py, oxidized + broken carbonate + sericite along contact			6.0	7.5			31102	.001
Q.V., Carbonate, 2-3% py graphite along contact								
1-2% py diss. in groundmass.	S1 S0 S0 B5		7.5	9.0			31103	.001
		Box 2 8.7 → 12.4						
		Knotted Phyllite, massive with narrow (centimetre) siliceous horizons showing bedding	9.0	10.5			31104	.001
Q.V., 2cm. ∥ foliation 10 with py.		diss. py along foliation.	10.5	12.0			31105	.001
			12.0	13.5			31106	.001

DIAMOND DRILL RECORD

PROPERTY Finlaw Gold. HOLE No. E6-17 SHEET No. 2 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
12		Box 3 12.4 — 16.7						
diss. py 1-2%		Knotted Phyllite, from 14.6 more banding						
		with siliceous bands,	13.5	15.0			31107	.001
py along cleavage 15	S0 95 / S1 45		15.0	16.5			31108	.001
& hinge zones of minor folds								
		very siliceous, light grey banding (with lenses)						
			16.5	18.0			31109	.001
		Box 4 K-7 -20.75						
		Knotted Phyllite with silicous banding, gradational						
	S1 30 / S0 45	contacts, banding very visible	18.0	18.5			31110	.001
		18.5 Siliceous sediment with 2-3% diss. py.						
Q.V. 30° to C.A. 1-2% py.		to end box (then finishes in Knotted Phyllite)						
			18.5	21.0			31111	.001
20								
Siliceous sediment, sericitic		Box 5 20.75 — 25.1						
	S1 30 / S0 45	Knotted Phyllite, black with more	21.0	22.5			31112	.001
Q.V. graphite along contact		siliceous groundmass, diss. py + po						
		siliceous and carbonaceous beds are not						
Q.V. Zone, graphitic		conformable (ie 30° difference) - 20.95m	22.5	24.0			31113	.001
along contact, green mineral with carbonate Py, Po 3%		also well banded in places (ie near veining)						
Py + Po diss + along cleavage (1-3%)			24.0	25.5			31114	.001

DIAMOND DRILL RECORD

PROPERTY Fraser gold HOLE No. E6-17 SHEET No. 3 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 6 25.0 - 29.4						
25		Black Carbonaceous Phyllite, gradational						
		between knotted & banded	25.1'	27.0			31115	.001
Q.V.Z. 70%, green mineral, carbonate py/po along contact (2-3%)								
			27.0	28.5'			31116	.001
groundmass 2-3% py+po silicified								
Q.V.Z. 30% Tr graphite along contacts!			28.5	30.0			31117	.004
		Box 7 29.4 — 33.7						
groundmass 2-3% py, po		Black Carbonaceous Phyllite, gradational						
30		to knotted Phyllite	30.0	31.1'			31118	.002
silicified groundmass								
			31.1'	33.0			31119	.001
1-2% diss. py/po								
			33.0	34.5'			31120	.001
		Box 8 33.7 → 37.9						
		Knotted Phyllite, no obvious however distinct						
		horizions of more siliceous sediment giving banded	34.5'	36.0			31121	.001
35		appearance (35.7 — 36.7)						

DIAMOND DRILL RECORD

PROPERTY FINLEGOLD HOLE No. 86-17 SHEET No. 4 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
	So 80		36.0	37.5'			31122	.001
slightly carbonaceous	Si 50							
			37.5'	39.0			31123	.001
slightly oxidized along cleavage		Box 9 37.9 – 42.1						
	So 20° / So 45	Knotted Phyllite, black, massive, minor veining						
	Si 50		39.0	40.5'			31124	.001
Q.V. parallel foliation	So 45							
46	Si 55							
			40.5'	42.0			31125	.001
Q.V., 3-5% py/po, graphitic contact								
convoluted cleavage	So 20°							
		Box 10 42.1 – 46.4	42.0	43.5			31126	.001
carbonaceous + sericitic near veins		Knotted Phyllite, massive as above minor siliceous banding (to 5cm), slightly banded						
			43.5	45.0			31127	.006
Q.V. 5cm, Py/Po, TrCpy								
increase disc. sulphides 45			45.0	47.2			31128	.001
both sides of vein (3%)								
	So 45							
	Si 40.		47.2	48.3			31129	.020

DIAMOND DRILL RECORD

PROPERTY Fjaerdon. HOLE No. 86-17 SHEET No. 5 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton			
Q.V.Z. 75%, Py/Po Tr Cpy, Tr green mineral		Box 11 46.4 → 50.9 Knotted Phyllite, as previous, increase in Quartz veining	48.3	49.6			31130	.001			
Q.V.Z. 65% veining // foliation (10-20° CA.) Py/Po, Tr Cpy graphite along contacts			49.6	51.0.			31131	.020			
50.											
Carbonaceous, Py, B 3-5% py/po foliation 20° to C.A. 5% py Trace green mineral		Box 12 50.9 – 55.0 Knotted Phyllite / Black Carbonaceous Phyllite with abundant veining, disruptive banding high sulphide content along contacts (5-10%)	51.0	52.5			31132	.001			
			52.5	54.0			31133	.012			
			54.0	55.5			31134	.001			
55.		Box 13 55.0 – 59.3									
Q.V.Z. 45% vein contacts graphitic, 30° CA.		Knotted Phyllite host, veined sections more carbonaceous, almost banded in places with disruptive bedding par vein zones, high sulphide content along contacts & within host rocks	55.5	57.0			31135	.001			
			57.0	55.5			31136	.001			
VG. 3cm. vein 60° C.A.		carbonaceous groundmass, knotted → carbonaceous Phyllite	55.5	600			31137	.005	(.020 pyrrhotite)		
							31596	(.016 Dup.)	(.010 pyrrhotite)		
60.											

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD. HOLE No. 86-17 SHEET No. 6 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 14 57.3 – 63.6						
60.		Knotted Phyllite, banded near veins (carbonaceous)	60.0	61.5			31138	.006
pyIPo along vein contacts								
some veins ∥ foliation ? replace bedding								
			61.5	63.0			31139	.001
			63.0	64.5			31140	.001
		Box 15 63.6 – 67.6						
		Knotted Phyllite similar to above, carbonaceous near vein zones, massive K.P. at end box	64.5	66.0			31141	.001
Q.V.z. 80% abundant sulphides along contacts graphitic green rock mineral	65.							
			66.0	67.5			31142	.001
	S1 40 S0 45							
		Box 16 67.6 – 71.6	67.5	69.0			31143	.001
		Knotted Phyllite, banded, well developed foliation gives banding, few narrow (centimetre) siliceous horizons, graphite along foliation	69.0	70.5			31144	.002
Q.V. 5cm with PyIPo								
75.								
Q.V. 2cm			70.5	72.0			31145	.001

DIAMOND DRILL RECORD

PROPERTY Fiaslocaud HOLE No. E6-17 SHEET No. 7 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 17 71.8 → 75.5	72.0	73.5			31146	.001
		Knotted Phyllite, massive, no veins						
		minor sections block banded phyllite						
	So/S1 45	1-3% diss py/po						
			73.5	75.0			31147	.002
75			75.0	76.5			31148	.001
graphite along foliation		Box 18 75.9 - 79.9						
1-3% diss. sulphides		Knotted Phyllite varies to banded in						
		places.	76.5	76.0			31149	.009
	So/S1 41°		76.0	79.1'			31150	.009
Q.V. parallel foliation			79.5'	81.0			31151	.005
80	So/S1 40°	Box 19 79.9 - 84.2						
		Knotted Phyllite, foliated, slightly						
1-2% diss sulphides		graphitic to 83.3	81.0	82.5			31152	.008
		then more banded appearance/silicified qtz veins						
			82.5'	84.0			31153	.012

DIAMOND DRILL RECORD

PROPERTY Fraser Gold. HOLE No. 86-17 SHEET No. 8 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
83	S_0 S_1							
Py, Po, sericite mariposite in vug	80		84.0	85.5			31154	.012
Q.V.Z. 60% Py, Po, carbonate & graphite 85		Box 20 84.2 → 86.3 Knotted Phyllite, more carbonaceous near veins than K.P.	85.5	87.0			31155	.015
			87.0	88.5			31156	.009
	S_0 S_1 40							
		Box 21 86.3 – 92.3 Knotted Phyllite, increased veining & carbonaceous content near veins	88.5	90.0			31157	.007
	S_2 10° S_0 S_1 30							
3% Py, graphitic 90			90.0	91.5			31158	.012
Q.V.Z. 35% 3% sulphides			91.5	93.0			31159	.005
	S_0 S_1 30	Box 22 92.3 – 96.5 Banded thru to Black banded Phyllite some knotted sections (siliceous bands)	93.0	94.5			31160	.002
Q.V.Z. 35% banded, graphitic <5% sulphides.			94.5	96.0			31161	.013
95								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold. HOLE No. 86-17 SHEET No. 9 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
Q.V.		Box 23 96.5 - 100.6	96.	97.5			31162	.003
Q.V.	S0 S1 40°	Knotted Phyllite to 96.5						
		then banded & finishes Knotted						
			97.5	99.0			31163	.005
Q.V. 50%			99.0	100.4			31164	.013
100								
Siliceous horizons.			100.4	101.4			31165	.009
minor Q.V. 3-5% pyrite, graphitic		Box 24 100.6 - 105.0						
	S0 S1 10-20°	Banded Phyllite (laminated)	101.4	103.5			31166	.002
	S0 S1 40	to Knotted Phyllite						
		foliation flattens downhole, knots						
		still distinguishable						
			103.5	105.0			31167	.005
105		Box 25 105.0 - 106.3	105.0	106.3			31168	.006
1-2% diss sulphides		Siliceous Sediment with minor Q.V.						
	S1 30°	with interbanded argillaceous sections						
106.3		E.O.H						

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. EG-16

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole −50°
Claim KAY 10
Section 54+50E
Bearing 045°

Total Depth 69.5 m
% Recovery
Elev. Collar 1535
Latitude 97454.5
Departure 65306.5

Sheet No 1 of 6
Logged by PAL
Date Begun SEPT. 21. 1986
Date Finished SEPT. 22. 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		0 - 6.1 m casing						
6			6.1	7.5			31201	.001
		Box 1 6.1 → 10.3 m.						
Tr - 1% diss py		Knotted Phyllite, massive with oxidized						
oxidized along foliation		knots, some knots eroded, slightly carbonaceous	7.5	9.0			31202	.001
		no quartz veining						
			9.0	10.5			31203	.001
10		Box 2 10.3 → 14.7						
	So Si 70°	Knotted Phyllite as above with argillaceous	10.5	12.0			31204	.001
Qtz. 3cm 40° C.A.		and siliceous horizons giving banding.						
		13.9 Black carbonaceous phyllite/banded	12.0	13.5	85%		31205	.001
Q.V. 40° C.A., oxidized + broken, Tr Py, graphite along contact, ground core		gradational contact from knotted						
Q.V.Z. 50%, Py (3-5%) carbonate, along contact carbonaceous			13.5	15.0			31206	.012
14								
2-4% py along cleavage	Si 60 So 85							

DIAMOND DRILL RECORD

PROPERTY Fraserdale HOLE No. E6-16 SHEET No. 2 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
15.		Box 3 14.7 → 16.9	15.0	16.5'			31207	.001
		Black banded Phyllite to knotted Phyllite (contact gradational), Carbonaceous						
Q.V. 3cm. 70° C.A.								
Q.V. Zone 70% py, carbonate, po, graphitic (3-5% sulphides)			16.5'	18.0			31208	.001
Q.V.Z. 35% 1-2% sulphides, Fr green mineral								
			18.0	19.5'			31209	.001
Q.V.Z. 35%, carbonate graphite								
		Box 4 18.9 → 23.3						
	So 80°	Black banded (Carbonaceous) Phyllite	19.5	21.0			31210	.001
20. Si 70		Gradational to knotted Phyllite (22.5m)						
Q.V.Z. 60% 2-5% py, po, carbonate graphite		Knotted Phyllite has less sulphides (1%)						
Q.V.Z., Py, Po.		than Banded Phyllite.	21.0	22.5'			31211	.001
Q.V.Z. 60%, 2-5% py/po graphite, carbonate contact parallel foliation			22.5'	24.0			31212	.001
	So Si 70°	Box 5 23.3 → 27.5						
Q.V.Z. 60%, py/po carbonate, trace green mineral		Knotted Phyllite (Black), almost laminated						
	So 90°	or banded near top box, less so at end of box	24.0	25.5'			31213	.001
Si 75		veinlets (mm) parallel foliation, bands of Siliceous Sediment.						
oxidized along fracture 25°	F 20°							
			25.5'	27.0			31214	.001
oxidized	So 90°							
			27.0	35.5'			31215	.006

DIAMOND DRILL RECORD

PROPERTY Fjaleroam HOLE No. 86-18 SHEET No. 3 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton			
25		Box 6 27.5 → 32.1									
Q.V. 5-10 cm. graphite/carbonate along vein contact, 3% py/po		Knotted Phyllite 26.1-26.5 oxidized + broken	26.5	30.0			31216	.026		26.5-30.0	
		26.5-30.0 oxidized along cleavage								.072/27.5m	
		fracture/cleavage 10° to c.A.									
30		knots oxidized +	30.0	31.5	85%		31217	1.311			
Q.V. 3% py, graphitic	75°										
Q.V. 70% 3-5% py/po, graphite with carbonate along vein contacts.		80% recovery	31.5	33.0			31218	.026			
		Box 7 32.1 → 36.4									
		Knotted Phyllite, massive, Tr-2% diss. py, po.									
Q.V. 20° C.A., 5-5% py/po		black banded (Carbonaceous) near vein contacts	33.0	34.5'			31219	.001			
			34.5	36.0			31220	.001			
Minor Q.V. 40° C.A. cut earlier veins (So²) 35											
	So 80° Si										
		Box 8 36.4 → 40.7	36.0	37.5			31221	.001			
		Knotted Phyllite, Tr-2% diss. py/po + as smears along foliation									
			37.5	39.0			31222	.010			
	Si 60		39.0	40.5'			31223	.004			
	So 85										
40											
			40.5'	42.0			31224	.016			

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-18 SHEET No. 4 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
40.		Box 9 40.7 → 44.75 m						
		Knotted Phyllite, carbonaceous in places (near quartz veins)						
			42.0	43.5			31225	.034
Q.V.Z. 30%								
veins as previous graphitic contacts								
carbonaceous groundmass			43.5	45.0			31226	.014
		Box 10 44.75 - 49.2						
Q.V.Z 10% with sulphides		Knotted Phyllite to black						
fracture 10° C.A. 45		and carbonaceous near vein zones	45.0	46.5			31227	.003
Q.V.Z. 20% high sulphides carbonate								
			46.5	48.0			31228	.006
	KP							
	KP		48.0	49.5			31229	.033
	KP							
48.9 - ↓ carbonaceous								
		Box 11 49.2 - 53.6	49.5	51.0			31230	.063
50.		Knotted Phyllite with carbonaceous						
Q.V.Z. 50%		sections						
with sulphide, carbonate & chlorite			51.0	52.5			31231	.002

DIAMOND DRILL RECORD

PROPERTY Fisherow HOLE No. 86-18 SHEET No. 5 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
		Box 12 53.6 - 57.6	52.5	54.0			31232	.004			
	S1 60°	Knotted Phyllite to 57.0.									
		banded phyllites from 57.0	54.0	55.5			31233	.007			
55	S1 80										
oxidized along cleavage			55.5	57.0			31234	.006			
	S0 80	Box 13 57.6 - 61.7	57.0	58.5			31235	.003			
Q.v. 3cm. 85°CA	S1 60	Knotted Phyllite Non alteration into banded phyllite									
fracture 10°CA oxidized.			58.5	60.0			31236	.001			
		carbonaceous ↓									
Q.V. 5% sulphides.											
chlorite, carbonate sericite 60			60.0	61.5			31237	.046	(.055 metallics)		
Q.V. 80% similar to above V.C.											
Q.V.											
		Box 14 61.7 - 65.8	61.5	63.0			31238	.001			
Q.V. 2cm		Black Knotted Phyllite very carbonaceous in places									
Q.V.Z. 15% with 5% sulphides.		3-5% sulphides in groundmass	63.0	64.5			31239	.005			
Q.V. 2-10% 64											
			64.5	66.0	90%		31240	.167			

DIAMOND DRILL RECORD

PROPERTY Flash Gold HOLE No. 86-16 SHEET No. 6 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		Box 15. 65.6 – 69.5						
		Knotted Phyllite. with						
		carbonaceous groundmass - 3-5%						
QV. 70cm. with		diss. sulphides. Silicified near veins.	66.0	67.5			31241	.014
coarse py.								
			67.5	69.5			31242	.006
		E.O.H. 69.5						

DIAMOND DRILL RECORD

PROPERTY FIASERGOLD HOLE No. 86-19

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -50°
Claim KAY 10
Section 54 road
Bearing 045°

Total Depth 75.5 m
% Recovery
Elev. Collar 1536.0
Latitude 97497.0
Departure 65273.5

Sheet No 1 of 7
Logged by PAL
Date Begun SEPT. 22, 1986
Date Finished SEPT. 25, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0 → 5.2 m Casing						
		Box 1 5.2 - 9.4						
5.2 — S1 70 / So 035		Knotted Phyllite, oxidized knots, slight	5.2	7.5			31251	.004
Q.V. 2cm., 5% py		graphite + sericite along foliation, oxidation along						
		foliation planes						
2-3% d.ss. sulphides		siltite horizons near veins show bedding						
			7.5	9.0			31252	.001
		Box 2 9.4 - 13.7	9.0	10.5			31253	.001
		Knotted Phyllite as previous, black						
10		banded in places, slightly carbonaceous						
			10.5	12.0			31254	.001
Q.V.Z. 15% highly oxidized (py) carbonate, parallel to S1			12.0	13.5			31255	.001
	So 45							

DIAMOND DRILL RECORD

PROPERTY FIALEOGOLD HOLE No. 86-19 SHEET No. 2 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V. 1 cm.		Box 3 13.7 – 17.7	13.5	15.0			31256	.001
Q.V.		Black Banded Phyllite, faint knots						
		oxidized along cleavage & within veins						
15		30/90	15.0	16.5			31257	.004
		Si Ca						
			16.5	18.0			31258	.009
Q.V. oxidized.								
		Box 4 17.7 – 21.8						
		Black Banded (Carbonaceous) Phyllite	18.0	19.5			31259	.018
Q.V.'s 20% veins to 5cm.		thru to massive knotted phyllite (end box)						
2-3% pypo, oxidized graphite, stringers along contact.								
			19.5	21.0			31260	.012
20								
Siliceous Brd			21.0	22.5			31261	.019
diss sulphides 2%		Box 5 21.8 – 26.1						
		Knotted Phyllite, massive with well						
Q.V., 5cm, pypo		developed foliation, minor veining	22.5	24.0			31262	.031
Q.V.'s as previous								
			24.0	25.5			31263	.030
Q.V.'s as previous 25								
		Silt horizon.	25.5	27.0			31264	.004

DIAMOND DRILL RECORD

PROPERTY Fireball HOLE No. E6-19 SHEET No. 3 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
	S_2 90° S_0 S_1 85	Box 6 26.1 — 30.4						
		Knotted phyllite, similar to above						
		minor veining & siliceous sediment						
	S_0 70° S_1 65°	horizions, well developed foliation	27.0	25.5'			31265'	.001
			25.5'	30.0			31266	.002
Q.V., sulphides carbonate along vein 30 contact, grn alteration (chlorite) Q.V. (as above)		Box 7 30.4 — 34.6	30.0	31.5'			31267	.002
		Knotted Phyllite, massive with						
		some siliceous sediments (<5cm thickness)						
		Tr - 1% py/po in groundmass, sericite	31.5'	33.0			31268	.003
Siliceous Sediment	S_0							
			33.0	34.5'			31269	.001
Siliceous Sediment	S_0 70							
		Box 8 34.6 — 39.0	34.5'	36.0			31270	.009
35								
1-2% sulphides		Knotted Phyllite, massive, increase in						
along foliation		carbonaceous content? blacker + softer						
and disseminated			36.0	37.5'			31271	.004
increase sulphides								
to 3-5% at end box.								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-19 SHEET No. 4 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton			
		Fracture 5° to c.A. oxidized									
Broken + oxidized	Sa 85		37.5	38.9			31272	.001			
Q.V. 10cm. 3-5% sulphides		Box 9 39.0 – 43.3	38.9	39.5			31273	.072			
		Knotted phyllite, carbonaceous	39.5	40.4			31274	.007			
40		1-3% sulphide along foliation, abundant veining	40.4	41.0			31275	.001			
Q.V. massive white sulphides + carbonate along contact										38.9 – 40.0	
			41.0	42.2			31276	.016		.025/2/.1m	
			42.2	43.7	80%		31277	.073			
Q.V. massive with sulphides + carbonate along contact.											
Q.V. 40%, similar to above contacts.		Box 10 43.3 – 47.7	43.7	45.0			31278	.006			
		Knotted phyllite original host.									
Quartz filled joints → perpendicular to page	Sa 70 / Sa 10										
disjointed / folded → 45°			45.0	46.9			31279	.005			
K.P. increased pulpo	Sa 60 / Sa 85										
	Vc 35		46.9	47.9	95%		31280	.107			
Q.V. 90%, very carbonaceous, 5% sulphides graphitic contacts		Box 11 47.7 – 51.8									
		Black banded phyllite and	47.9	48.5			31281	.003			
sulphide rich banded foliation. Tr Cpy	Lc 40	Knotted phyllite, abundant veining	48.5	49.6			31282	.063			

DIAMOND DRILL RECORD

PROPERTY FRASER GOLD HOLE No. E6-19 SHEET No. 5 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton	ASSAYS	ASSAYS	ASSAYS
10% veining sulphides nerk 5%		B.B. Phyllite	49.6	50.5'			31263	.011			
Q.V. 50% as previous			50.5'	51.3			31264	.001			
Q.V. 60% as previous. with carbonate + chlorite			51.3	51.9			31265	.006			
Q.V.		Box 12 51.8 - 56.2	51.9	52.5			31266	.014			
		Knotted Phyllite, massive	52.5	54.0			31267	.001			
Q.V. 10cm		minor veining, 1/- 1% sulphide in groundmass.									
			54.0	55.5'.			31268	.026			
			55.5	57.0			31269	.001			
		Box 13 56.2 - 60.5'									
Q.V., carbonate, sulphides + graphite		Knotted Phyllite, massive.									
		Sulphides increase near veins, silicified	57.0	55.5'			31280	.001			
		in places (near veining)									
Sil. Sed. 2cm So 90		minor siliceous sediments with									
59.25-59.4 4 qv. <1cm V.C. w/ Py. silicified		1-2% sulphides show So	55.5	60.0			31291	.035	(.106 metallics)		
Q.V. 5cm											
graphitic contacts →											
oxidized shear			60.0	61.5'			31292	.001			
		Box 14 60.5' - 64.9									
		Knotted Phyllite massive in places									
		silicified + graphitic near veins, minor									
		bands of siliceous sediments									

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. E6-19 SHEET No. 6 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
fracture 10°CA., oxidized			C1.5	63.0			31293	.005
Q.V.Z. 35% Carbonate, chlorite + sulphides (py/po) to 5% graphite			63.0	64.5			3294	.004
fracture 10°C.A. calcite + pyrite								
cc		Box 15 64.9 – 69.0 Knotted Phyllite, massive, well developed foliation, carbonaceous in places, some quartz veining (cm. scale)	64.5	66.0			31295	.003
crenulated			66.0	67.5			31296	.001
			67.5	69.0			31297	.001
Q.V. sulphide/carbonate graphitic contacts 10cm graphitic schist below Q.V.	UC 40 LC 70 50 50	Box 16 69.0 – 73.3 Knotted Phyllite host with carbonaceous sections	69.0	70.5			31298	.004
Q.V. as above		very graphitic						
Q.V. 70% 70			70.5	72.0			31299	.002
Siltstone, non calcareous	80 65		72.0	73.5			31300	.007
Q.V. 10cm. graphite as above		crenulated.						
Q.V.Z. 30% 5% sulphides, graphitic carbonate rich Q.V.			73.5	75.5			31301	.001
Q.V.Z. 30% graphitic/carbonate rich.								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold. HOLE No. 86-19 SHEET No. 7 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/Ton			
		Box 17 73.3 - 75.5									
		Knotted Phyllite with veining									
	KP										
75	KP										
75.5	KP	E.O.H.									

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-20

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -70°
Claim KAY 10
Section 53+50E
Bearing 045°

Total Depth 72.5m
% Recovery
Elev. Collar 1542.0
Latitude 97526.0
Departure 65234.0

Sheet No 1 of 7
Logged by DAL
Date Begun SEPT. 23, 1986
Date Finished SEPT. 24, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0 - 3.3 m Casing (OVERBURDEN)						
		3.3 → 3.5 Volcanic boulder						
3.3		Box 1 3.3 → 7.8						
		Knotted Phyllite, grey black groundmass	4.0	6.0	90%		31351	.001
CAV. with py. 5		knots & cleavage planes have been oxidized core is quite broken in places						
		Tr - 1% sulphides as diss. & smears						
		along foliation.	6.0	7.5	90%		31352	.001
	S1 50							
			7.5	9.0			31353	.001
		Box 2 7.8 → 11.9.						
		Knotted Phyllite, massive & slightly oxidized						
		with siliceous sediment horizions. Knots	9.0	10.5			31354	.001
30% siliceous horizon 10		eroded in places, graphite + limonite						
		along foliation						
			10.5	12.0			31355	.003

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-20 SHEET No. 2 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
	S1 S2 80							
Q.V.Z. 30% very vuggy, within carbonaceous phyllite horizon	S1 S2 65	Box 3 11.9 → 16.1	12.0	13.5			31356	.001
Q.V. oxidized sil. sediments (banded)	80 60 S1 70	Knotted Phyllite, black with banded sections in places	13.5	15.0			31357	.001
fractures oxidized	S2 20 ?							
Q.V.Z. 40% irregular orientations. 15°			15.0	16.5			31358	.002
Q.V. 3cm, oxidized py	S2							
Q.V.Z. 40% contacts parallel to foliation	S2 3. 55	Box 4 16.1 → 20.15'						
1-2% sulphides groundmass		Knotted Phyllite, banded in places	16.5	17.6			31359	.001
fault gouge			17.6	18.5'			31360	.022
Q.V.								
Q.V.Z. 50% green mineral, py+po contacts graphitic	S2 3. 60°		18.5'	19.5'			31361	.001
Q.V. 1cm. oxidized			19.5	21.0			31362	.001
20		Box 5 20.15 - 24.25						
		Knotted Phyllite, increase in sulphides near end of box, more carbonaceous	21.0	22.0			31363	.001
Q.V.Z. 50-60%								
Black banded Phyllite Carbonaceous			22.0	23.5'			31364	.001
(see next page)								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-20 SHEET No. 3 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tonne
Q.V.Z. description above								
2-3% py/po as smears/diss.			23.5	24.5			31365	.001
Q.V.Z. 80% similar to previous		Box 6 24.25 – 28.6	24.5	26.0			31366	.001
		Knotted Phyllite, black, carbonaceous minor banding						
			26.0	27.5			31367	.012
			27.5	29.0			31368	.002
siliceous sediment giving banded appearance								
Q.V. massive, milky white py/po near contacts		Q.V.Z. 30% Box 7 28.6 – 32.6	29.0	30.5			31369	.005
		Knotted Phyllite, well foliated minor veining, more carbonaceous & sulphide rich near vein.	30.5	32.0			31370	.001
Q.V. py in fractures								
			32.0	33.5			31371	.001
		Box 8 32.6 → 37.0						
Tr-1% diss. py/po		Knotted Phyllite, massive well foliated						
		same siliceous horizons	33.5	35.0			31372	.006
Q.V. // bedding (S_0)								

DIAMOND DRILL RECORD

PROPERTY Fialergold HOLE No. EG-20 SHEET No. 4 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
35			35.0	36.5			31373	.001
	S1 65°							
	90 60		36.5	38.0			31374	.002
Tr diss. sulphides		Box 9 37.0 → 41.0 Knotted Phyllite - as previous						
Q.V. 5% sulphides/carbonate graphitic along contact	VC 70° VC 70°		38.0	39.5			31375	.013
	S1 70		39.5	41.0			31376	.001
40								
		Box 10 41 → 45.3 Knotted Phyllite, well foliated bands of siliceous sediments last metre of core box (< cm width)	41.0	42.50			31377	.001
Tr-1% diss sulphide			42.50	44.0			31378	.001
	S1 70°							
	90 90		44.0	45.5			31379	.001
45		Box 11 45.3 - 49.5						
		Knotted Phyllite, similar to previous, well foliated	45.5	47.0			31380	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-20 SHEET No. 5 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
		So 80	47.0	48.5'			31351	.001
Q.V. parallel foliation Pyr. Cpy. Carbonate		Si 70						
			48.5	50.0			31352	.001
		Box 12 49.5 – 53.7						
50		Knotted Phyllite, carbonaceous graphitic marvin contacts, 3-4% diss.	50.0	51.5'			31353	.001
		sulphides, minor quartz veins outside of						
		gone.	51.5	52.4			31354	.002
Q.V.Z. 40% sulphides + carbonate graphite			52.4	53.4			31355	.025
		Box 13 53.7 → 57.6	53.4	54.45			31356	.003
Q.V.Z. 90% Sulphides + Carbonate + chlorite		Black Phyllite (Carbonaceous) gradational						
		to knotted in places.	54.45	55.5'			31357	.011
Q.V.Z. 50-60% Sulphid 55								
			55.5	57.0			31358	.014
Q.V.Z. 40%								
Carbonaceous Phyllite dissected by Qtz 5% sulphides Q.V.Z.			57.0	58.0			31359	.011
Box 13 East in K.P. (Carbonaceous)								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-20 SHEET No. 6 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tonn
		Box 14 57.6 – 62.0.	58.0	59.5			31390	.006
Q.V. (1cm)		Knotted Phyllite, massive, well foliated						
		no significant veining	59.50	61.0			31391	.001
			61.0	62.50			31392	.001
		Box 15 62.0 – 66.4						
		Knotted Phyllite, as above	62.50	64.0			31393	.001
		minor bands of siliceous sediment						
		show original S_0, groundmass darker						
		grey black than previous (carbonaceous)	64.0	65.5			31394	.001
		1-2% diss. sulphides						
			65.5	67.0			31395	.003
Q.V., 20cm max. width		Box 16 66.4 – 70.4						
		Knotted Phyllite, massive, similar to above	67.0	68.1			31396	.002
Q.V. .7m.			68.1	68.7	100%		31397	.055
parallel to S_2, 10°C.A. 5% sulphide along contact (true width 15cm)			68.7	70.0			31398	.004
			70.0	71.5			31399	.004

DIAMOND DRILL RECORD

PROPERTY Fraserdale HOLE No. 86-20 SHEET No. 7 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
1-2% sulphides	KP	Box 17 70.4-72.5									
		Knotted Phyllite, with silt horizon.									
Silt. (i.g. siliceous with argillaceous partings) sulphides along So (3-4%)	S_2 20°	S. 70	71.5	72.5			31400	.001			
	KP	72.5 E.O.H.									

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-21

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth
82m	49°	

Hole Size HQ
Angle of Hole -50°
Claim KAY 10
Section 60+00E
Bearing 045°

Total Depth 878 m
% Recovery
Elev. Collar 1477
Latitude 97114.0
Departure 65717.5

Sheet No 1 of 7
Logged by DAL
Date Begun SEPT. 24, 1986
Date Finished SEPT. 25, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0 - 4.6 overburden						
		Box 1 4.6 - 8.5	4.6	6.0			31401	.002
Q.V. scm, vuggy, oxidized at contacts. fracture 10° C.A. oxidized	Lc 70	Knotted Phyllite with siliceous bands, showing well developed foliation.						
Q.V. 4cm. oxidized, Tr py.	Si 80	- very oxidized (vugs, knots & fractures)	6.0	7.5			31402	.001
Q.V. 8cm. as above	So 70	broken core at top of hole.						
fault gouge								
very oxidized			7.5	9.0			31403	.001
		Box 2 8.5 - 13.0						
		Knotted, massive, black carbonaceous in places, knots totally crushed in places						
broken core, oxidized fracture 10° C.A.			9.0	10.5			31404	.001
gouge.								
Q.V. vuggy, limonitic sericite, graphite contacts	KP		10.5	12.0			31405	.001
K.P. broken + oxidized	KP							
Q.V. as above								
Q.V. as above, with pyrite			12.0	13.5			31406	.001
Qv. 1-4cm. pyrite, limonite								

DIAMOND DRILL RECORD

PROPERTY FIASERGOLD HOLE No. E6-21 SHEET No. 2 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 3 13.0 – 17.1						
Q.V. & carb. as above		Knotted Phyllite, massive showing						
		well developed foliation in places.	13.5	15.0			31407	.001
some fractures		Siliceous bands show So.						
0° to C.A (oxidized)								
15			15.0	16.5			31408	.001
		Box 4 17.1 → 21.3						
		Black banded thru to Black Knotted	16.5	18.0			31409	.001
		Phyllite with calcareous (siltite) +						
Calcareous horizon v.f.g. grey lst.		siliceous horizons.						
			18.0	19.5			31410	.001
Calcareous, as above siliceous horizon								
			19.5	21.0			31411	.007
20								
Q.V. carb., carbonate + pyrite, graphitic content		Box 5, 21.3 – 25.6 siliceous sed.						
		Knotted Phyllite thru to banded	21.0	22.5			31412	.001
Very carbonaceous cracks knots, sulphide rich		in places						
Q.V. as previous graphitic content			22.5	24.0			31413	.001
Oxidized + limonite fractures @ C.A.								
			24.0	25.5			31414	.001
Dyke, felsic 3% diss. py		So 90						

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-21 SHEET No. 3 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V. 3cm.		Box 6 25.5 - 29.9	25.5	27.0			31415	.001
		Knotted Phyllite with limey +						
Limey horizon Siliceous sediment		siliceous horizon, convoluted quartz veins						
		& more carbonaceous near veins	27.0	25.5			31416	.001
Q.V.Z. 60% 2-3% pylpo, oxidized								
fracture 0° oxidized			28.5	30.1			31417	.004
Q.V.Z. 45% Py/po sericite + graphite contacts		Box 7. 29.9 - 33.9.						
fracture 70°C.A. oxidized 30		Knotted Phyllite massive +	30.1	31.5			31418	.050
Q.V. pylpo, slight oxide disruptive bedding		silicified						
fault, broken + oxidized								
Q.V.Z. 70% VG 31.1		V.G. 2cm from vein contact	31.5	33.0			31419	.001
Q.V. 5cm. 90°		area 2.5 x 2.0 mm of which 1.5 mm² is V.G.						
5% sulphide/carbonate slightly oxidized								
fracture 10°C.A. oxidized		Box 8 33.9 - 37.9	33.0	34.5			31420	.001
		Knotted Phyllite / foliated, massive						
f. 10°CA oxidized		with vein + carbonaceous sections. 2-3%						
		Sulphides.	34.5	36.0			31421	.004
35								
Graphitic			36.0	37.5			31422	.001
Q.V.Z. 40% graphitic - showing 5°C.A. veins subparallel to foliation								
Q.V. 10cm.			37.5	39.0			31423	.013

DIAMOND DRILL RECORD

PROPERTY FINSECOLD HOLE No. E6-21 SHEET No. 4 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 9 37.9-42.15						
Q.V.Z. 35% graphitic host veins 60-80° C.A.	Si 80°	Knotted Phyllite, massive + foliated, 2-3% sulphides	39.0	40.5			31424	.020
Q.V.Z. 80% 10% sulphide + carbonate 40		footwall 5-7% sulphides graphite.						
	Si 60	Box 10 42.15 - 46.6 Massive Knotted Phyllite	40.5	42.0			31425	.001
oxidized	f 30°	sulphides 2-3%	42.0	43.5			31426	.001
Q.V.Z. 30% where Q. fills fractures 10-20° C.A. ↓ S/S1 with sulphide + carbonate. 15	S1 S2 45		43.5	45.0			31427	.018
		Box 11 46.6 - 50.9	45.0	46.5			31428	.056
	S0 S1 90°	Knotted Phyllite, massive with dark grey groundmass	46.5	48.0			31429	.003
fracture 0° C.A. oxidized								
			46.0	49.5			31430	.001
			49.5	51.0			31431	.047

DIAMOND DRILL RECORD

PROPERTY Fjaseo Gold HOLE No. E6-21 SHEET No. 5 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 50-60% high sulphides 50 + carbonate, 10%		Secondary veins low angle C.A. out Sc.						
vein parallel Sc.	Sc	Box 12 50.9 – 55.2	51.0	52.5			31432	.001
		Knotted Phyllite, massive silicified, 2-3% sulphides, increase towards veins.	52.5	54.0			31433	.005
sulphides increase ↓ QV. 2, 1 cm. sulphides								
Q.V.Z. 70% 3-5% py/po with carbonate			54.0	55.5			31434	.001
up to 5% sulphides in background rock 55	Sc 50	Box 13 55.2-59.4						
	Si 90	Banded Black to Knotted Phyllite Silicified with high background of sulphides.	55.5	57.0			31435	.005
Q.V.Z 40% 5-7 cm. veins -80-90° CA. 5% poco stringers/veinlets	90 30	green chloritic veinlets ∥ Sc	57.0	58.5			31436	.001
Q.V. massive.								
		Box 14 59.4 – 63.6	58.5	60.0			31437	.025
		Knotted Phyllite conto: Black to Black banded Phyllite with limey + siliceous horizons.						
Q.V. 3-Comm.								
Q.V.Z 60% 10% sulphides/Carbonate bo. with graphite.			60.0	61.5			31438	.005
Q.V. 2-5cm. 5% sulphides								
limey		texture "conglomerate" black within grey groundmass.	61.5	63.0			31439	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-21 SHEET No. 6 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
62								
			63.0	64.5			31440	.001
		Box 15 63.6 – 68.0						
Q.V.Z. 20% veins to sem., 80-90°C.A. 5-8% sulphides		Black banded Phyllite, thru to carbonaceous phyllite with limey horizions.	64.5	66.0			31441	.001
Black Carbonaceous groundmass. 65								
QV.Z. 15% - as previous foliation steep to C.A.			66.0	67.5			31442	.001
Q.V.Z. veins trace sulphides groundmass 5% sulphides Oxidized, pyrite			67.5	69.0			31443	.001
		Box 16 68.0 – 72.5						
		Black Calcareous Phyllite, well foliated, alternating dark grey to lighter coloured bands (both calcareous) foliation/bedding 0-10°CA	69.0	70.5			31444	.001
70		cubic crystals (2-3%) pyrite.						
Q. Carbonate V.Z. 20% veins parallel So			70.5	72.0			31445	.001
So varies from 0-90°CA carbonaceous groundmass 3-4% pyrite			72.0	73.5			31446	.001
		Box 17. 72.5 – 76.6						
Q. Carbonate V.Z. 25% graphitic groundmass		Black (Carbonaceous + Calcareous) Phyllite with Quartz-Carbonate veins (mesothermal)	73.5	75.0			31447	.001
74								

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-21 SHEET No. 7 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
75		Box 18 76.6 – 80.9	75.0	76.5			31446	.001
		Phyllite, Calcareous / Carbonaceous						
		sulphide smeared parallel to foliation	76.5	78.0			31449	.001
Silicified	S/S. 0-20° C.A.	(1-3%)						
graphitic / calcareous								
			78.0	79.5			31450	.001
graphitic / calcareous		Box 19 80.9 – 84.9	79.5	81.0			31451	.001
80		as above - 3-4% sulphides						
as above	S. C.	some sections more massive						
	50	grey limestone	81.0	82.5			31452	.002
			82.5	84.0			31453	.006
		Box 20 84.9 – 87.6						
		Similar to above with						
	S/S. 90°	20-30 cm. section massive grey l.s.	84.0	85.5			31454	.004
		very carbonaceous & calcareous.						
85		Sulphides increase in foliated						
	S. 90	sections	85.5	87.8			31455	.002
87.8		E.O.H.						

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. E6-22

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ.
Angle of Hole -50°
Claim KAY 10
Section 59+00E
Bearing 045°

Total Depth 66.4 m.
% Recovery
Elev. Collar 1474.0
Latitude 97160.0
Departure 65663.0

Sheet No 1 of 6
Logged by DAL
Date Begun SEPT. 25, 1986
Date Finished SEPT. 26, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0 → 5.2 m OVERBURDEN						
5.2		Box 1 5.2 - 9.6	5.2	7.5			31501	.006
		Intrastratified f.g. dark grey siltstone/siliceous sediments (Banded in places with massive knotted Phyllite						
			7.5	9.0			31502	.009
1-2% py.		Slightly oxidized along cleavage + So						
centimetre		Q.v. oxidized, 1-2% py.	9.0	10.5			31503	.004
bands of calcareous siltstone 10		Box 2 9.6 - 14.0						
			10.5	12.0			31504	.016
		Knotted Phyllite, black groundmass slightly oxidized along cleavage planes						
Q.V. massive, oxidized contacts, graphitic oxidized veins			12.0	13.5			31505	.016
Tr-1% diss. py.		silicified near end box						
			13.5	15.0	90%		31506	.006

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-22 SHEET No. 2 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 3 14.0 - 19.0.						
Tr only py in groundmass 15		Knotted Phyllite, massive less broken than previous -	15.0	16.5'	70%		31507	.001
			16.5	18.0	70%		31508	.001
Q.V.t. 30% carbonate, Tr-1% pyrite			16.0	17.5			31509	.002
Q.V. massive, carbonate oxidized 20	Si 60	Box 4 19.0 - 23.4 Knotted Phyllite, massive black, silicified, some pale coloured siliceous horizons, well silicified	19.5	21.0			31510.	.001
	Si 60		21.0	22.5'			31511	.002
oxidized shears			22.5	24.0			31512	.005
oxidized fractures 0-0° CA.		Box 5 23.4 - 27.3 Knotted Phyllite, similar to above	24.0	25.5			31513	.004
Tr-1% pyrite 25 Q.V.t.								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-22 SHEET No. 3 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			25.5'	27.0			31514	.001
		Box 6 27.3 - 31.7	27.0	26.5'			31515	.001
fracture - 10°C.A. oxidized, perpendicular to cleavage		Knotted Phyllite, massive + silicified, similar to above.						
			26.5'	30.0			31516	.002
Q.V. 2-4cm. Psl po			30.0	31.5			31517	.001
1-2% diss. py.	KP	Box 7 31.7 - 36.0. Knotted Phyllite, silicified and massive, faint banding visible no veining.	31.5	33.0			31518	.010
			33.0	34.5'			31519	.001
			34.5'	36.0			31520	.016
		Box 8 36.0 - 40.2 Knotted Phyllite, increased sulphide content to end of box. broken core in places	36.0	37.5			31521	.016
			37.5	39.0			31522	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-22 SHEET No. 4 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V. carbonate Py/po - 5% oxidized contacts.		Q.V. very sooty in places 3-5% sulphide in places	39.0	40.5'			31523	.001
		Box 9 40.2 - 44.2 Black Phyllite through to Knotted Phyllite - well veined & silicified	40.5'	41.85'			31524	.001
Q.V. 2-40% carbonate graphitic contacts								
Q.V. carbonate + Py/po			41.85'	42.5'			31525	.010
Q.V. as above - with chlorite calcareous footwall			42.5	43.5'			31526	.001
			43.5'	45.0			31527	.005
		Box 10 44.2 - 46.5' Knotted Phyllite, black and carbonaceous, holey alteration non silicified	45.0	46.5'			31528	.013
broken + faulted			46.5'	48.0			31529	.010
			48.0	49.5'			31530	.020

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. E6-22 SHEET No. 5 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		Box 11 46.5 - 52.9	49.5	51.0			31531	.005
50		Knotted Phyllite with minor						
		bands siliceous sediments						
QV. 3cm pods		more silicified than previous	51.6	52.5'			31532	.006
4-5% sulphides								
in places								
			52.5'	54.0			31533	.006
		Box 12 52.9 - 57.4						
		Knotted Phyllite, massive						
		silicified, 2-3% diss. py/po	54.0	55.5'			31534	.016
55		90						
	Si 75'		55.5'	57.0			31535	.010
very broken, minor veining	x x							
containing 0-10% c.t. with calcite + sulphides	x x		57.0	58.5			31536	.002
		Box 13 57.4 - 61.2						
		Knotted Phyllite than gradational						
		contact to black massive silicified	58.5	60.0			31537	.001
QV. 2. 15-20% veins to 10cm. with Fe carbonate 5% sulphides as blebs		phyllite ~ minor banding						
60			60.0	61.5'			31538	.001
Black, silicified sulphide rich minor veinlets 1-3mm								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. FG-22 SHEET No. 6 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 25% carbonate + Py/Po 5-8%		Box 14 61.2 - 65.4 Black, massive, silicified phyllite Sulphides 5-7% in places with vein zones. veins appear to be within fold hinges	61.5	63.0			31539	.001
			63.0	64.5			31540	.001
			64.5	66.0			31541	.001
Q.V.Z. carbonate 65 chlorite, Py/Po Trace		Box 15 65.4 - 69.4 Foliated thin to banded black phyllite. veins with calcite (no sulphides) up to 5% sulphides in host	66.0	67.5			31542	.002
			67.5	69.4			31543	.001
well folded		calcareous phyllite at end of box						
Calcareous phyllite 69.4		5-10 E.O.H.						

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-25

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -50°
Claim KAY 10
Section 53+25E
Bearing 045°

Total Depth 42.0m
% Recovery
Elev. Collar 1542.0
Latitude 9754.0
Departure 6521.5.0

Sheet No 1 of 4
Logged by DAC
Date Begun SEPT. 28, 1986.
Date Finished SEPT. 29, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0-4.6 overburden, casing						
		Box 1 4.6-9.5 Knotted Phyllite, massive, very oxidized, broken core thru to 9.0m.						
4.6 boulders K.Phyllite, wussy + oxidized to 5.5' Tr Cpy.			5.0	6.0			31601	.001
Q.V. wussy, oxidized.	KP		6.0	7.5			31602	.001
Q.V. 7.5° oxidized + sericitic contacts Tr calc Cpy.			7.5	9.0			31603	.001
	5.7° Sa 85							
			9.0	10.5			31604	.001
		Box 2 9.5-13.5						
10	Sa 85	Knotted Phyllite, massive with oxidation (knots + cleavage)	10.5	12.0			31605	.001
	Sa 70							
			12.0	13.5			31606	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-25 SHEET No. 2 of 4

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 3 13.8 - 16.2						
fracture 20° C.A. oxidized with clay		Knotted Phyllite, carbonaceous						
		around vein zones (almost banded)	13.5'	15.0			31607	.002
v.s. .4cm broken/sheared carbonaceous phyllite								
Q.V. white, massive 15 oxidized vugs contacts sericite lower contact oxidized + broken.		1-2% diss. sulphides	15.0	16.5'			31608	.011
Q.V. 5cm. black carbonaceous			16.5'	16.0			31609	.004
Q.V. 15cm., 5% pyrite								
oxidized + broken								
Banded Phyllite ↓		Box 4 18.2 - 22.3	16.0	19.5'			31610	.001
Q.V. 3cm.		Banded Phyllite (silty at first)						
		thru to black phyllite and						
		finally Knotted Phyllite	19.5	21.0			31611	.001
20								
			21.0	22.3			31612	.001
	14							
Q.V. very graphitic sulphides								
		Box 5 22.3 - 26.8	22.3	24.0			31613	.001
Q.V. 80% recrown chlorite, carbonaceous 5% sulphides		Knotted Phyllite, with						
		brecciated veined sections						
		broken zone fault contact?	24.0	25.5'	93%		31614	.002

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-25 SHEET No. 3 of 4

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V. 5% sulphides 25° graphitic + sericitic contact.		carbonaceous	25.5'	27.0	75%		31615	.001
Q.V. - as above graphitic contacts								
Q.V.Z. 10% in Banded Siltite								
		Box 6 26.6 - 31.0	27.0	26.5			31616	.002
		Black Banded Phyllite gradational to knotted phyllite						
			26.5	30.0			31617	.009
Groundmass 2-3% sulphides soft / carbonaceous								
Q.V. 3-5% sulphides. 30° fracture to C.A. with pyrite + chlorite.			30.0	31.5			31618	.001
Q.V. 5% sulphides. graphitic contacts.		Box 7 31.0 - 35.3						
		Knotted Phyllite with abundant Q.V., groundmass near Q.V. more carbonaceous (black banded in places)	31.5	33.0			31619	.001
oxidized / broken Sil. Sediment		Tr - 1% py in host unit	33.0	34.5'			31620	.001
fragments? Sil. sed. 3x3cm 35°			34.5'	36.0			31621	.001
Q.V.Z. 90% with chlorite			36.0	37.5'			31622	.001

DIAMOND DRILL RECORD

PROPERTY Fineground HOLE No. 86-25 SHEET No. 4 of 4

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		Box 8 35.3 - 39.1						
		Knotted Phyllite with abundant						
		Q.V., groundmass near veins is carbonaceous						
Q.V. 2. 15%, 5% sulphide chloritic, + graphitic		broken - highly cleaved groundmass	37.5	38.0			31623	.001
		LC 60° Box 9 39.1 - 42.0.	39.0	40.5'			31624	.006
Q.V. 2. 60%, 5% sulphides, graphitic chlorite		Dark grey banded Phyllite (Siltite? in places) within a zone						
Q.V. 2. 40% as above.		of massive knotted Phyllite	40.5'	42.0			31625'	.006
Q.V. sulphides as above.		- white oxidation around some knots, unit is soft (non silicified)						
		E.O.H. 42.0m.						
		HOLE STOPS AT 42.0m DUE TO						
		RODS GETTING STUCK.						
		DDH 86-26 IS DRILLED ON	5.2	8.2				.002
		THE SAME SECTION AT 090° DIP.	8.2	11.3				.001
			11.3	14.6				.023
			14.6	17.7				.085
		Sludge Samples -	17.7	20.7				.006
			20.7	23.8				.003
			23.8	26.8				.001
			26.8	29.9				.001

DIAMOND DRILL RECORD

PROPERTY Fraserloud HOLE No. 86-23

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole 75°
Claim KAY 10
Section 54+00E
Bearing 045°

Total Depth 90.8 m.
% Recovery
Elev. Collar 1536.0
Latitude 97497.0
Departure 65273.5

Sheet No 1 of 8
Logged by DAL
Date Begun SEPT. 26, 1986
Date Finished SEPT. 27, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		0 – 3.1 m Casing (overburden)						
3.1		Box 1 3.1 → 7.2 m	3.1	5.5			31451	.001
hairline veins ∥ to S_0	S_0 60 / S_1 40	Knotted Phyllite, massive with oxidized knots, slightly oxidized and graphitic along cleavage						
.2m broken core		core is vuggy in places (eroded knots)						
5								
broken core			5.5	7.0			31452	.002
Tr-1% diss. sulphides in groundmass			7.0	8.5			31453	.006
		– Box 2 7.2 – 11.5						
		Knotted Phyllite, eroded knots oxidized along cleavage & knots						
Q.V. 40° C.A. ∥ foliation oxidized vugs (py?) graphitic		gradational to carbonaceous phyllite	8.5	10.0			31454	.004
broken/oxided 9.15 → 8.8 (fault?)		near veins.						
Q.V., carbonaceous near contacts, py/po, carbonate in vein			10.0	11.5			31455	.002
10								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-23 SHEET No. 2 of 8

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V. 10 cm oxidized vuggy, 10% sulphides along contact.		Box 3 11.5 → 15.6	11.5	13.0			31456	.003
carbonaceous/graphitic near veins		Black Knotted Phyllite, gradational to carbonaceous phyllite near veins						
Q.V.	S0 45		13.0	14.5			31457	.001
	S1 40							
Q.V.'s 20% veins as previous, with black carbonaceous phyllite (high sulphide content, 5-8%) 15			14.5	16.0			31458	.003
		Box 4 15.6 → 20.0	16.0	17.5			31459	.002
	S 90	Knotted Phyllite, massive as previous,						
	S1 40	again gradational to black carbonaceous						
Q.V. 5cm parallel to foliation		phyllite near veins.	17.5	19.0			31460	.001
Q.V. 10cm similar to previous								
			19.0	20.5			31461	.002
Q.V., similar previous 20								
		Box 5 20.0 → 24.0						
Q.V.'s 10%		Knotted Phyllite ⇒ carbonaceous phyllite	20.5	22.0			31462	.001
Q.V.'s 60% pale green sericite 5-10% sulphides in groundmass, Tr Cpy								
		21.8 → 24.0 massive K.P. silicified 2-3% sulphides in groundmass						
Q.V.'s 15% Py/po 10%	S1 20		22.0	23.5			31463	.001

DIAMOND DRILL RECORD

PROPERTY FIASERGOLD HOLE No. 86-23 SHEET No. 3 of 8

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm			
	Sz 20° / S1 35	Box 6 24.0 - 26.3 Knotted Phyllite, black, silicified varies to banded phyllite	23.5	25.0			31464	.009			
Q.V., oxidized vugs 25 similar to previous			25.0	26.5			31465	.003			
			26.5	26.0			31466	.001			
	S1 45 / S0 80	Box 7 26.3 → 32.2 Knotted Phyllite, massive, silicified near veins, 2-3% diss. sulphides in groundmass.	26.0	29.5			31467	.043		26.0—64.5	.047/36.5m
Q.V. parallel to S. sulphides + carbonate V.G.	S1 40		29.5	31.0			31468	.007			
30 5% sulphides in groundmass banded phyllite			31.0	31.8			31469	.001			
Q.V.	30 / 05										
V.G. in vein	S1 40		31.6	32.4	100%		31470	.164			
vein has mottled appearance almost total digestion of phyllite. 3-5% py/po with specks of V.G.		Box 8 32.2 - 36.3 Knotted Phyllite, silicified.	32.4	34.5			31471	.045			
slightly oxidized along fracture + cleavage											
very graphitic along veins contacts. Q.V. - 2-3% sulphides 35 carbonate/graphite			34.5	36.0			31472	.058			

DIAMOND DRILL RECORD

PROPERTY FIASCOGOLD HOLE No. E6-23 SHEET No. 4 of E

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
35								
	S1 40	Box 9 36.3 -40.4 Knotted Phyllite, massive, foliated with small bands (<.5cm) siliceous sediment.	36.0	37.5'			31473	.006
Sz very faint.	Sz 30°	& hairline fractures quartz filled.	37.5'	39.0			31474	.001
			39.0	40.5'			31475	.001
		So 70° siliceous sediment.						
40								
Tr-1% diss. sulphides in groundmass		Box 10 40.4 - 44.5 Knotted Phyllite, massive, quartz filled joints 90° to foliation (5° to c.a) foliation highly contorted	40.5'	42.0			31476	.001
			42.0	43.5'			31477	.043
			43.5'	45.0			31478	.013
		Box 11 44.5' - 46.5'						
45		Knotted Phyllite, gradational to Black Phyllite, increase in quartz veinings near end box, host phyllite is highly	45.0	46.5'			31479	.009
diss. sulphides, large 1-3 mm crystals		silicified	46.5'	47.3			31480	.016
	S1 60	→ highly carbonaceous to end box						
	S2 10							

DIAMOND DRILL RECORD

PROPERTY Falconbridge HOLE No. 86-23 SHEET No. 5 of 8

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
Q.V., sulphides to 5%								
silicified, sulphide rich			47.6	48.6	100%		31461	1.015
Q.V. - similar to above minor sericite along contacts		Box 12 48.5' - 52.8						
Q.V. 2. 30%, vms to 20cm. 3-5% sulphides		Knotted Phyllite, host unit	48.6	49.6			31462	.006
Sericite + chlorite alteration minerals 50		some disruptive bedding near contacts	48.6	50.7			31463	.004
		black carbonaceous near contacts.						
			50.7	51.7			31464	.011
Q.V.Z. 70%								
5-8% sulphides along contacts 5% sulphides in groundmass								
			51.7	52.5			31465	.001
K.P. well foliated 3-4% sulphides as diss. + stringers.			52.5	54.0			31466	.008
		Box 13 52.6 - 57.0						
Q.V., 3% sulphides		Knotted Phyllite, massive silicified						
sulphides diss. + along cleavage	S1 45 S0 90°		54.0	55.5'			31467	.001
Q.V. 10cm. graphitic 55								
			55.5	57.0			31468	.001
		Box 14 57.0 - 61.2	57.0	58.5			31469	.001
Q.V. massive, white		Knotted Phyllite with carbonaceous						
circulation S0 80°, S1 35° Q.V.		black phyllite hosting Q.V.						
Q.V. graphitic contacts with sericite	K.P.	well circulated near contact zones	58.5	60.0			31470	.001
host 1-2% sulphides								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-23 SHEET No. 6 of 8

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
60			60.0	61.5			31491	.001
		Box 15 61.2 - 65.6						
		Knotted Phyllite, banded in places.	61.5	63.0			31492	.004
K.P. well foliated			63.0	64.5			31493	.105
	Si 45							
carbonaceous contact Q.V. with TrCpy.	VC Co / Lc Co		64.5	66.0			31494	.019
65								
	Si Lc / So 70	Box 16 65.6 - 69.9						
Q.V.'s 35% 5% sulphides, carbonaceous siliceous contacts		Knotted Phyllite, more carbonaceous near veins (and banded)	66.0	67.5			31495	.013
	So 70							
Siliceous horizons show banding Q.V. (2cm)	Si Co		67.5	69.0			31496	.021
Tr-2% sulphides in groundmass Q.V.	KP / Si So 45		69.0	70.5			31497	.015
70								
			70.5	72.0			31498	.015

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. EG-23 SHEET No. 7 of 8

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 17 69.9 - 74.2	69.0	70.5			31497	.015
		Knotted Phyllite, thru to black phyllite	70.5	72.0			31498	.015
		silicified with some sections well						
		crenulated, increase sulphides 2-4%	72.0	73.5			31499	.006
		minor veinlets parallel foliation						
Q.V. 1cm, hinge zone crenulated								
			73.5	75.0			31500	.001
		Box 18 74.2 - 76.6						
		Knotted Phyllite, with crenulated	75.0	76.5			31307	.001
		sections.						
	Si So		76.5	76.2			31308	.002
Q.V. parallel Si/So 2cm	40°							
Q.V. 7-8% sulphide 10cm								
Q.V. 5% sulphide 5cm								
Q.V. massive 5-8%		Box 19 76.6 - 82.5	76.2	79.6			31309	.014
sulphides graphite/sericite contact.		Black Banded Phyllite						
Q.V. 2. 15% in B.B.P. veins 60° C.A.			79.6	80.6			31310	.005
(5-7% sulphides throughout) 60								

DIAMOND DRILL RECORD

PROPERTY Fraserdale HOLE No. E6-23 SHEET No. 5 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
Q.V. 90% abundant sulphides along contacts (10-15%)			80.6	81.6			31311	.001
Banding, abundant sulphides along foliation bandings			81.6	82.6			31312	.001
		Box 20 82.5 - 87.0 Black Banded Phyllite, increased sulphide content in groundmass						
Q.V. massive contacts sulphide rich			82.6	84.2			31313	.009
			84.2	85.5			31314	.011
graphitic footwall		carbonaceous						
85			85.5	87.0			31315	.019
	Si So 40							
Q.V. graphite B.B. phyllite								
		Box 21 87.0 - 90.6 Black Banded Phyllite, minor knotted sections, 3-5% sulphides along foliation, minor veinings in carbonaceous sections	87.0	88.5			31316	.001
			88.5	90.0			31317	.005
90			90.0	90.6			31318	.001
	So Si 50°	50°	51.2	54.3				.080
		— 90.8 E.O.H.	54.3	57.3				.014
			57.3	60.4				.012
		Sludge Samples	60.4	63.4				.017
			66.4	69.5				.163
			69.5	72.5				.056
			72.5	75.6				.174

88.6 — 81.7 .023

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-24

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -50°
Claim KAY 10
Section 54+25E
Bearing 045°

Total Depth 69.4m
% Recovery
Elev. Collar 1535.0
Latitude 974609
Departure 65296.4

Sheet No 1 of 6
Logged by DAL
Date Begun SEPT. 27, 1986
Date Finished SEPT. 28, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
		0. → 3.1 m overburden (cased)						
		Box 1 3.1 – 8.0m						
3.1		Knotted Phyllite, massive, limpartic, dark black groundmass (oxidized knots, ⊥ foliation)	3.0	4.5	35%		31551	.001
		narrow (<1cm) clay seams						
		2-3% sulphides in groundmass as disseminations	4.5	6.0	90%		31552	.001
5		and seams.						
clay seam (1cm)	52° 50° 31°		6.0	7.5			31553	.001
clay seam parallel foliation								
			7.5	9.0			31554	.001
QV, oxidized wgs (py, po) upper contact graphitic		Box 2 8.0 – 12.4						
		Knotted Phyllite, gradational to						
		black banded phyllite	9.0	10.5			31555	.001
9.5-10.0 less oxidized								
10								
			10.5	12.0			31556	.026

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-24 SHEET No. 2 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V., eroded + oxidized sulphides, hangingwall contact very wavy,								
			12.0	13.5			31557	.001
host unit is carbonaceous 5% sulphides, arsenopyrite.		Box 3 12.4 – 16.5 Knotted Phyllite, black banded in places knots still visible, increase in veining near end box.						
			13.5	15.0			31558	.003
15			15.0	16.5			31559	.006
		Box 4 16.5 – 20.7 Knotted thru to black carbonaceous phyllite, more carbonaceous near veins						
Q.V.Z 60%, black carbonaceous			16.5	18.0			31560	.007
			18.0	19.5			31561	.001
18.2 – 19 B.K. Phyllite								
	Si 45 / So 80		19.5	21.0			31562	.001
Q.V.Z. 90% 1% sulphide graphite + sericite contact								
20. – 20.7 B.K Phyllite								
Q.V.Z 40-45%, 5% sulphides Carbonaceous groundmass		Box 5 20.7 – 24.7 Knotted Phyllite	21.0	22.5			31563	.006
	Si 65 / So 55							

DIAMOND DRILL RECORD

PROPERTY FRASER GOLD HOLE No. 86-24 SHEET No. 3 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			22.5	24.0			31564	.026
Q.V., 3cm 60°C.A. Sulphides | carbonate								
footwall eroded knots, fault gouge 20°C.A								
			24.0	25.5			31565	.002
		Box 6 24.7 – 28.6						
25		Knotted Phyllite, as previous						
		silicified, cleavages oxidized in	25.5	27.0			31566	.019
		upper part of box.						
Q.V. 5% pyr, graphitic contact, Carbonaceous groundmass	S1 40°							
			27.0	28.5			31567	.006
1-2% sulphides								
silicia seams show bandng | foliation	S0 85° S1							
Q.V. 5% sulphides irregular contacts	S0 S1 35° S0 65°	Box 7 28.6 – 33.0	28.5	30.0			31568	.001
		Knotted Phyllite, massive silicified						
30		well developed foliation.	30.0	31.5			31569	.001
	S1 90°							
			31.5	33.0			31570	.004
Q.V., 5% sulphides, graphite contacts		Box 8 33.0 – 37.25	33.0	34.5			31571	.001
		Knotted Phyllite, carbonaceous						
		near vein contacts						

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-24 SHEET No. 4 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
			34.5'	36.0			31572	.001			
Q.V. in black phyllite											
			36.0	37.5'			31573	.002			
	S 90										
	S 65	Box 9 37.22 - 41.25'	37.5	39.0			31574	.001			
		Knotted Phyllite, well foliated with minor veins.									
Q.V. 60%, 4% sulphides in silicified groundmass			39.0	40.5			31575	.001			
5% sulphides in contact zone											
40			40.5	41.6.			31576	.009			
	Si 48	Box 10 41.25 → 45.2									
		Knotted Phyllite, silicified with increased sulphides near veins.	41.6	42.6	100%		31577	.131			
Q.V.Z. 55-60% S-5% sulphides											
			42.6	43.7	100%		31578	.315			
Q.V.Z. 55% graphite, carbonate											
5% pyl/p contacts+wms.			43.7	45.3			31579	.068			
Black, foliated 45	Si		45.3	46.5			31560	.022			
45.7 — 46.5 Pale gray silica sulphide Trace.	KP 60 KP KP.										
Q.V.Z. 85% 10% sulphides		V.G.	46.5	48.0			31581	.047	(.123	metallics)	
QV. 1-cm.											

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-24 SHEET No. 5 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 11 45.2 – 50.0.						
Q.V.Z. 40% Sulphide rich (5%) in vein + ground mass		Similar to above, increased veining.						
			46.0	49.2	80%		31562	.012
Q.V.Z. 40% 46.3–49. broken oxidized – 80% recovery		S. 40						
			49.2	51.6			31563	.011
50		S. 05 Box 12 50.0 – 54.0						
		Knotted Phyllite, massive 1-2% py.						
Q.V. oxidized/broken core 1cm			51.0	52.5			31564	.026
Q.V. < 1cm. py. crenulated								
Q.V. 70° C.A. 5% sulphide, Tr Cpy			52.5	54.0			31565	.001
		Box 13 54.0 – 56.4	54.0	56.0			31586	.001
		Knotted Phyllite to 56.0						
55		then black banded (carbonaceous)						
		phyllite	56.0	57.0			31567	.107
Q.V.Z. 25% Carbonate, Sulphides disformed B. Phyllite Q.V.								
Q.V. BBP →								
DBP →								
Q.V. BBP →								
Q.V.								

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. EG-24 SHEET No. 6 of 6

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
	BBP	Box 14 55.4 – 62.7.	58.5	60.0			31589	.141
	BBP	Q.V. zones within black banded						
BBP. 5% sulphides	BBP	phyllite then into Knotted Phyllite						
60	ICP	at 60.0m.	60.0	61.5			31590	.005
	So 60							
oxidized + broken								
Q.V. 1cm ps/po oxidized	0°	Box 15 62.7 – 67.0	61.5	63.0			31591	.001
		Knotted Phyllite, massive silicified						
Q.V.Z. 50%		increase in sulphides as smears						
5% ps/po		and disseminations along foliation.	63.0	64.5			31592	.007
	Si 60°							
Q.V.		Box 16. 67.0 – 69.4	64.5	66.0			31593	.031
65		Knotted Phyllite, silicified.						
Q V.								
Q V.	So Si 45		66.0	67.5			31594	.001
			67.5	69.4			31595	.001
Q.V. 1-5cm. 90° Sols.	So Si							
Q.V. 1cm	90							
Q.V. 1cm. 65								
		– 69.4 E.O.H.						

DIAMOND DRILL RECORD

PROPERTY FIASCOGOLD HOLE No. EG-26

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole 90°
Claim KAY 10
Section 53+25 E
Bearing

Total Depth 102.1 m
% Recovery
Elev. Collar 1542.0
Latitude 97540
Departure 65215.0

Sheet No 1 of 9
Logged by DAL
Date Begun SEPT. 29, 1986
Date Finished SEPT. 30, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0-3.6 m (casing)						
		Box 1 3.6 - 9.5						
		3.6 → 5.7 m boulders + phyllite fragments						
3.6		then knotted phyllite, with some						
		quartz veining, highly broken + oxidized	3.7	7.5	30%		31651	.001
5								
Q.V. oxidized, wispy fragments graphitic, (possibly bedded)								
	S1 60							
Q.V.Z., oxidized, wispy			7.5	9.0	85%		31652	.001
Trace pyrite, graphitic contact layer contact // S1	S0 S1							
Q.V. pyoxidized parallel to S1		white alteration around some knots						
	S1 30		9.0	10.5			31653	.001
Q.V.Z. 50% graphitic								
9.7-9.8 limonitic knots 10	S0 80							

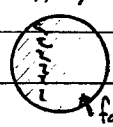
DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-26 SHEET No. 2 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Narrow horizons Siliceous sediments (show So)	S1 / So	Box 2 9.5 - 13.6	10.5	12.0			31654	.001
groundmass, black (carbonaceous)		Knotted Phyllite, massive well foliated						
oxidized knots		- 20-30 cm. sections of limonitic knots	12.0	13.5			31655	.001
	S1	5055 Box 3 13.6 - 18.0	13.5	15.0			31656	.001
		Knotted Phyllite, massive dark grey groundmass, minor siliceous horizons (<1mm) showing crenulation.						
oxidized along S1 + knot			15.0	16.5			31657	.001
			16.5	18.0			31658	.001
		Box 4 18.0 - 22.3	18.0	19.5			31659	.001
		Knotted Phyllite as previous alternating dark and colourless groundmass.						
Silic. band			19.5	21.0			31660	.002
Carbonaceous bed So 40°		- 3-4% diss. pyrite, broken + incompetent.						
Carbonaceous			21.0	22.5			31661	.001
Q.V. 6-7% sulphides Tr Cpy								
gradational from carbonaceous to oxidized								
Siltstone (slight Hbl)								

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-26 SHEET No. 3 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
	S_1 20-30°	Box 5 22.3 → 26.7	22.5	24.0			31662	.001
	KP	Knotted Phyllite, massive						
Q.V. 70%, 2-4% pyrite apex vugs, graphitic contacts.		with Black (Carbonaceous) Phyllite						
		hosting vein zones.						
Q.V. 2-4 cms. 65°CA. →			24.0	25.5			31663	.001
Sericite, sulphide rich contact 25°	Q.V. 1cm.							
	Q.V. 8.5cm.							
VC 45°	S_1 45		25.5	27.0			31664	.001
Q.V.Z. 65% in B. Phyllite, 2-4% Sulphides		Box 6 26.7 – 30.5						
Q.V.Z. 40%, sulphide rich as above		Black Banded Phyllite, Carbonaceous	27.0	26.5			31665	.001
		near vein zones						
	S_0 S_1							
BBP. - silicified with minor veinlets 2-4% sulphides	30°		26.5	30.0			31666	.001
	KP							
	S_1 10°							
Crenulated 30			30.0	31.5			31667	.001
	30 40°	Box 7 30.5 – 35.0						
K.P.	S_1	Knotted Phyllite, massive well						
	30 S_2 20°	foliated	31.5	33.0			31668	.002
Q.V.Z. 30-40% ~~minor stripping (vertical)~~								
 S_1 30° S_0 40°								
fault 20° to S_1			33.0	34.5			31669	.001
								
			34.5	36.0			31670	.001

DIAMOND DRILL RECORD

PROPERTY FIASHGOLD HOLE No. 86-26 SHEET No. 4 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/t			
35		Box 8 35.0 - 39.2									
		Knotted Phyllite, massive, well foliated									
		to 36.1, black banded and silicified	36.0	37.5			31671	.002			
Q.V. 20cm // So		near veins									
Q.V. 5cm sulphides, carbonate chlorite											
Q.V.Z. 50%, 5-5%			37.5	39.0			31672	.009			
sulphides, Tr Cpy disrupture bedding											
within vein zone.											
3 veins + bands sulphides in phyllite		Box 9 39.2 - 43.1	39.0	40.5			31673	.006			
		Knotted Phyllite, well foliated									
Q.V cuts edge core 40	S1 20										
sulphides + chlorite			40.5	42.0			31674	.001			
Q.V.Z. 25%											
within zone disruptive bedding											
veins 10-20° C.A.			42.0	43.5			31675	.001			
41.9. Silver Grey Sulphate tetrahedrite associated	KP										
with tarnished py? (or Gold) (very localized)	S1 15°	Box 10 43.1 - 47.1									
massive K.P		Knotted Phyllite, massive silicified	43.5	45.0			31676	.001			
		some siliceous seams show bedding									
45	S1		45.0	46.5			31677	.001			
	10 So 40°										
			46.5	48.0			31678	.018			

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-26 SHEET No. 5 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
		Box 11 47.4 - 51.7.						
		Knotted Phyllite, massive, well foliated						
		1-3% sulphide smears + disseminations	48.0	49.5			31679	.001
		Tr. Cpy						
			49.5	51.0			31680	.001
		Box 12 51.7 - 56.0	51.0	52.5			31681	.001
		Knotted Phyllite, massive, similar to above						
			52.5	54.0			31682	.001
			54.0	55.5			31683	.001
			55.5	57.0			31684	.003
		Box 13 - 56.0 - 60.3						
		Knotted Phyllite, massive, silicified						
		well foliated, no veining	57.0	58.5			31685	.001

DIAMOND DRILL RECORD

PROPERTY Fjaseregold HOLE No. 86-26 SHEET No. 6 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton	ASSAYS	ASSAYS	ASSAYS
	S1 30°		56.5	60.0			31686	.001			
		Box 14 60.3 - 64.5									
60	S1 30	Knotted Phyllite, well silicified	60.0	60.95			31687	.035		60.0-63.5	
	S0 40°	to 60.95								.061/3.5m	
Q.V.Z. 75%			60.95	62.0			31688	.055			
irregular orientation - high sulphides (Py, Po, Trace grey tetrahedrite?)											
Cpy ? along cleavage	S1 70°		62.0	63.5			31689	.092			
Q.V.											
Q.V.Z. 70%											
Q.V.Z. 25% disruptive bedding, sulphide rock.			63.5	64.5			31690	.004			
B.B.P. well defined bedding with 5% sulphides along S0	S0 45	Box 15 64.5 - 68.4	64.5	66.0			31691	.001			
65	S1 40	Knotted Phyllite with siltstone									
	KP	hangwall.									
			66.0	67.5			31692	.001			
	S1 35										
			67.5	69.0			31693	.001			
Siltstone, slightly calcareous lower contact graphitic	SS	good S folds within unit.									
		Box 16 68.4 - 72.4									
		Knotted Phyllite, massive, silicified	69.0	70.5			31694	.001			
70											

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-26 SHEET No. 7 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC. %	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
second alteration?	S_1 15°		70.5	72.0			31695	.003
with coarse crystalline mercasite		Box 17. 72.4 – 76.4						
		Knotted Phyllite gradational to black banded carbonaceous in vein zones	72.0	73.5			31696	.020
S_2 S_1 30° to S_1. QV. 2 40% 5° to C.A. "as below"			73.5	75.0			31697	.012
Q.V.Z. 40%. 5-5% sulphide disruptive bedding								
Q.V. 1 5-5% sulphides with carbonate + chlorite. 75			75.0	76.5			31698	.037
Q.V. 2 25% disruptive bedding		Qv. as above.						
to 76.4, sheared with graphitic contacts along vein zones		Box 18 76.4 – 80.5 Knotted Phyllite, massive well foliated.	76.5	78.0			31699	.007
			78.0	79.5			31700	.006
crenulated		S_2 70°						
		S_1 20°	79.5	81.0			31319	.002
80		S_2 50° Box 19. 80.5 – 84.9. Knotted Phyllite, massive.						
			81.0	82.5			31320	.001
Q.V. chlorite + sulphides. disruptive bedding								
Q.V.Z. 100% pyrite. In Black Phyllite								

DIAMOND DRILL RECORD

PROPERTY Fisherfield HOLE No. 86-26 SHEET No. 6 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm			
	KP		82.5	84.0			31321	.001			
	S_0 50										
	S_1 45										
silicified (10cm)											
			84.0	85.5			31322	.001			
silicified (10cm)		Box 20 84.9 – 89.1									
85	S_1 30	Knotted Phyllite, massive, siliceous									
	S_0 40	horizons (< 10cm)	85.5	87.0			31323	.001			
1-2% diss. sulphides		groundmass varies from light thru									
		to dark grey., slightly banded appearance									
			87.0	88.5			31324	.006			
			88.5	90.0			31325	.009			
		Box 21 89.1 – 93.4									
		Knotted Phyllite, similar to above									
90		91.5 carbonaceous	90.0	91.5			31326	.015			
	S_1 30°										
			91.5	93.0			31327	.036		91.5 – 102.2	
		V.G.								.026 / 10.7m	
Q.V. 2. 40% graphitic fractures low angle CA.		• Small specks in Q.V. 5–10cm. (pinhead size) - stays in core box.									
veins < 5cm. 5% sulphides + carbonate			93.0	94.5			31328	.026			
Q.V. sulphides/graphite along contacts.											
	KP	broken core with white									
		alteration along cleavage	94.5	96.0			31329	.002			

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. E6-26 SHEET No. 9 of 9

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		Box 22 93.4-97.9						
		vein zone thru into						
		massive knotted phyllite (94.7)						
			96.0	97.5			31330	.007
Q.V.Z. 70% sulphides incl. Tr cpy, veins ll to foliation		to 97.8 groundmass is sulphide rich (3-4%)						
Q.V. <5cm			97.5	99.0			31331	.001
	81/40	Box 23 97.9 - 102.1						
	50/45							
		Siltstone, v.f.s. dark gray black with	99.0	100.5			31332	.083
3-4% sulphides.		siliceous horizons.						
graphite along cleavages no Q.V.Z. 60% in black carbonaceous siltstone, 5-8% sulphides			100.5	102.1			31333	.019
Q.V.Z. 20% veins low angle to C.A. 102.								
		1021 E.O.H.						
at 99.0 joint? 40° C.A. Pyrite + carbonate.		Sludge Samples	11.3	14.3				.001
			14.3	17.7				.001

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. E627

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -50°
Claim KAY 10
Section 53+75E
Bearing 045°

Total Depth 69.4
% Recovery
Elev. Collar 1540.0
Latitude 97510.0
Departure 65252.0

Sheet No 1 of 7
Logged by DAL
Date Begun SEPT. 30, 1986
Date Finished OCTOBER 1, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		Drill is set up on bedrock (poorly consolidated and very broken 0-3.1 m no core recovery						
2.		Box 1 3.1 → 11.6	3.0	4.5			31701	.001
		3.1-8.5 very poor recovery 3.1-5.4 <10% recovery						
		Knotted Phyllite, oxidized, graphitic						
		very broken core until 10. meters, quartz	4.5	6.0			31702	.001
5.		fragments and sulphide rich sections of core.						
		5.4-8.5 K.P. 04+3 <10% recovery	6.0	7.5			31703	.002
			7.5	9.0			31704	.004
9.			9.0	10.5			31705	.001

DIAMOND DRILL RECORD

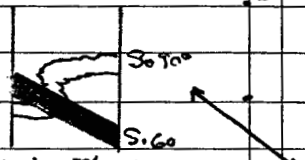
PROPERTY Fraser Gold HOLE No. 86-27 SHEET No. 2 of 7

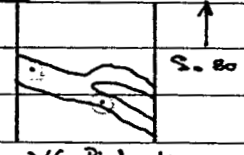
TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
10		11.2 – 12.0 – Banded, slightly calcareous sulphide rich (with eroded vugs), gradational contact into KP.						
	Si 85		10.5	12.0			31706	.003
Q.V. 5cm, 90° CA. → vuggy, oxidized								
		Box 2 11.6 – 16.0						
			12.0	13.5'			31707	.001
	So 80	Knotted Phyllite, silicified, well foliated with oxidized knots, dark grey groundmass (carbonaceous near veins) banded in places						
	Si 90		13.5	15.0			31708	.001
15			15.0	16.5'			31709	.001
Q.V.Z. 10%, silicified Py/po fracture along seams. Q.V. → Py/po, Carbonate	KP							
Q.V.Z. 20% vuggy in places, Py/po.		Box 3 16.0 – 20.3						
Siltstone, Seds: C.A	Sltst.	Banded Phyllite – gradational thru to knotted Phyllite	16.5	18.0			31710	.001
Q.V.Z. 65% with Py/po, very graphitic contact		75% recovery	18.0	19.5'			31711	.001
	KP	crenulated/banded, 5% sulphides, silicified						
Q.V. 2cm.								
Q.V. 3cm. Banded (faint knots)			19.5'	21.0			31712	.001
20								
			21.0	22.5			31713	.001

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. 86-27 SHEET No. 3 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton			
		Box 4 20.3 - 24.7									
		Banded thru to knotted									
		siliceous horizons, high sulphide content (3-5%)									
		along foliation planes									22.5 - 30.0
		veins cut So in places.	22.5	24.0			31714	.099			.046/7.5m
up to 5% sulphides along bedding			24.0	25.5'			31715	.005			
Q.V., sulphides		Box 5 24.7 - 28.9.									
" "		Banded Phyllite thru to 25.5									
" "		then distinctly knotted,	25.5'	27.0			31716	.016			
		silicified with sulphides as previous									
			27.0	28.5'			31717	.009			
Q.V. 2cm. sulphides + carbonate											
Q.V. 2. 60%			28.5	30.0			31718	.069			
Q.V. 1cm.		Box 6 28.9 - 33.1									
Q.V. 1cm. ∥ So		knotted Phyllite, massive well foliated									
Q.V. 1cm. 90° CA.		& silicified, high sulphide (3-4%)	30.0	31.5'			31719	.007			
Q.V. 1cm.		in groundmass									
Q.V. 4cm. max. carbonate, Tr py. vugs		V.G. 28.9m	31.5	33.0			31720	.001			
		less sulphides near end box.									





DIAMOND DRILL RECORD

PROPERTY Fraserdale HOLE No. E6-27 SHEET No. 4 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 7. 33.1-37.5	33.0	34.5'			31721	.001
	S1 30	Knotted Phyllite, massive well foliated, very little veining						
			34.5'	36.0			31722	.001
27	S1 70							
Sil.Sed.? contacts look chilled, Dyke?	S0 45°							
oxidized footwall			36.0	37.5'			31723	.001
oxidized								
QV. vein.								
Q.V. 80°CA. cuts foliation.	S1 80	Box 8 37.5-41.50	37.5'	39.0			31724	.001
S2? or fracture.	S2 40	Knotted Phyllite with vein zones more carbonaceous near contacts.						
QV. massive, milky white with carbonate.			39.0	40.5'			31725	.001
U.C. 30 cm. sulphide rich black carbonaceous 40	S1 55	oxidized + broken rock.						
LC, carbonaceous, graphitic		Box 9 41.50-46.	40.5'	42.0			31726	.001
		Knotted Phyllite, massive						
			42.0	43.5			31727	.001
	S1 55							
			43.5	45.0			31728	.001

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. EG-27 SHEET No. 5 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
45'		Box 10 46.0 - 50.0	45.0	46.0			31729	.001		46.0	47.0
		Knotted Phyllite, massive, foliated									.068/11mm
		carbonaceous near vein zones	46.0	47.0.			31730	.302			
Q.V. 10-15% sulphide around contact (graphite + carbonate)											
Q.V. VG smears on Quartz associated with py		VG. (contact) 20x. (Pinhead) 47.0	47.0	48.0			31731	.019	(.046	metallics)	
VG 47.3											
(see Gold book), 5% sulphides (in fracture within Q.V.		47.70 50 65	48.0	49.5'			31732	.006	(.010	metallics)	
Q.V., fracture at C.A with marcasite			49.5	51.0			31733	.100	(.146	metallics)	
Q.V.Z. 30% 50		Box 11 50.0 → 54.2									
Irregular orientation with carbonate		Knotted Phyllite with high carbonaceous									
VG 50.7m. (Gold Book) cut by saw area of 4mm² (possibly 6m³ lost in saw cut)		content & veining, disrupted	51.0	52.5'			31734	.032			
	K.P.	bedding around veins.									
		up to 5% sulphides as seams ∥ to foliation.									
Q.V.Z 30% as above			52.5	54.0			31735	.002			
	K.P.										
Q.V.Z. 40% sericite graphite			54.0	55.5'			31736	.005			
		Box 12 54.2 - 56.2									
Q.V.Z. 25% 55'		~ Similar to above.									
with K.P. Carbonaceous			55.5	57.0			31737	.077			
with graphite around veins											
3-5% sulphides.											

DIAMOND DRILL RECORD

PROPERTY FJASERGOLD HOLE No. 86-27 SHEET No. 6 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
@ V.t. - above contrived								
		Box 13 56.2 - 67.2 Knotted Phyllite	57.0	58.5			31738	.001
VEIN ZONE Footwall broken core (KP) Sulphides 3-4% minor Quartz carbonaceous			58.5'	60.-			31739	.001
59.5 .2m graphitic	Si / Ca	fracture 0° CA. with carbonate crystals + pyrite.						
			60.0	61.5'			31740	.001
			61.5'	63.0			31741	.001
		Box 14 62.2 - 66.3 Knotted Phyllite, very massive and banded, 2-3% ps/po.	63.0	64.5'			31742	.039
@ V. Sam. with Carbonate								
Silicified	Si 70		64.5'	66.0			31743	.001
65	Sa 90°							
		Box 15 66.3 - 69.4 Knotted Phyllite massive. silicified, with 2-3% sulphides in groundmass.	66.0	67.5'			31744	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-27 SHEET No. 7 of 7

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
3-5% sulphides near vein zone.			67.5	69.5			31745	.001			
Q.V. 90% graphite with Py/Po, Tr Cpy. 69											
		— 69.4 E.O.H.									

DIAMOND DRILL RECORD

PROPERTY Fisherfold HOLE No. E6-25

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -50°
Claim TMAC
Section L41+00E, 1065S
Bearing 045°

Total Depth 165.9m
% Recovery
Elev. Collar 1365.0
Latitude 98434.0
Departure 64267.0

Sheet No 1 of 16
Logged by DAL
Date Begun Oct. 6, 1986
Date Finished Oct. 6, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0.0 → 16.6 casing						
		0.0 → 16.6 overburden (cont'd)						
		Box 1 0.0 → 8.6 (cont'd) unconsolidated overburden, boulders and pebbles to 10 cm. size held together in a clay-sand matrix. Quartz pebbles, slightly oxidized with trace of pyrite make up approximately 7-8% of the total pebble/fragments (40% pebble/cobbles, 60% clay-sand) Fragments of phyllite (not accounted as volcanics) also found in this box.						
		Box 2 8.6 → 18.8 unconsolidated overburden similar to above with less sand/clay 80% cobbles/pebbles Bedrock entered at 16.6m						

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-25 SHEET No. 2 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 2 cont'd						
16.5	So Si 70	16.6 bedrock	16.6	18.0			31751	.001
		Knotted Phyllite, massive with black						
Q.V.Z. 10% & well silicified		groundmass, non foliated	18.0	19.5			31752	.026
veins 1cm. width maximum with py/po								
3% diss. py/po in groundmass		Box 3 18.6 - 23.0.						
		Knotted Phyllite, massive	19.5	21.0			31753	.001
Q.V. py/po, Tr Cpy 20 with chlorite carbonate		with dark black (carbonaceous) groundmass.						
Siliceous band with Q.V. →	So Si 70		21.0	22.5			31754	.002
↓ -20°								
Q.V. py/po 2-3% + carbonate			22.5	24.0			31755	.001
	So 90	Box 4 23.0 → 27.5.0						
Q.V. 3cm py/po carbonate	Si 70	Knotted Phyllite, massive, black						
		groundmass, silicified with	24.0	25.5			31756	.001
	So as S.	vein zones.						
25°	Si							
Q.V. 1cm.			25.5	27.0			31757	.001
Q.V. 1cm.								
Q.V. 2cm.								
Q.V.Z. 80% 5% py/po carbonate			27.0	26.5			31758	.009
contact gray altered with sericite								

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-28 SHEET No. 3 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 5 27.50 - 31.70	26.5	30.0			31759	.005
		Knotted Phyllite, foliated & silicified with minor veining parallel to S_0, (1cm. width maximum)						
Q.V. with molybdenite 30			30.0	31.5'			31760	.001
Q.V.Z. - as below								
Q.V. contains high sulphide Q.V.Z. 20%								
		Box 6 31.70 - 36.0	31.5'	33.0			31761	.006
	K.P.	Black thru to banded phyllite (very fine knots in places)						
Q.V. massive, milky white								
	S_1 80°		33.0	34.16			31762	.005
Q.V.Z. 20-25% - cores is broken, veins to 5cm.			34.5	36.0			31763	.005
Pyrite, Trace with Sericite, graphite + chlorite 35								
minor carbonate in vein.								
		Box 7 36.0 - 40.3	36.0	37.5			31764	.001
36.4 → 37.2. pale grey cherty? horizon with sub angular fragments		Black massive thru to black banded phyllite						
fractures 0-10° C.A. with chlorite, cores is broken + fractured		fine knots	37.5	39.0			31765'	.001
S_1 35 → 3-7°		fracture						
		S_0 to S_1 55°	39.0	40.5'			31766	.001
limey horizon 16								

DIAMOND DRILL RECORD

PROPERTY Fraserdale HOLE No. 86-25 SHEET No. 4 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 8 40.3 – 44.4	40.5	42.0			31767	.006
		Black (Banded) phyllite with minor						
Q.V. massive, white v.c. low py/po/carbonate LC 5-5% py/po carbonate		quartz veins parallel to S_0, graphite						
QV. 2. 15%, veins less than 2cm. py/po 3-5%		py/py along $S_0 + S_1$	42.0	43.5			31765	.001
		43.1 - faint banding + knots						
	S_0 90°		43.5	45.0			31769	.006
	95°							
		Box 9 44.4 – 46.5						
Q.V.2. 10% 45	S_0 40°	Black phyllite with faint knots	45.0	46.5			31770	.006
	S_1 75°	this section is silicified						
		1-2% diss. py/po along S_0/S_1						
quartz filled fracture	f 10°		46.5	48.0			31771	.004
Q.V. 2cm.								
			48.0	49.5			31772	.006
		Box 10 46.5 – 52.5						
		Black massive phyllite, silicified and						
		sulphide rich to 50.5	49.5	51.0			31773	.057
50								
	S_2 60°		51.0	52.7			31774	.001
	S_1 80°							

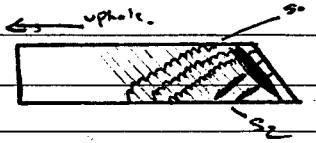
DIAMOND DRILL RECORD

PROPERTY Fireboard HOLE No. 86-25 SHEET No. 5 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V. 7cm, Py/Po graphitic contacts veining parallel to S_1		Box 11 52.50 - 56.9 Knotted Phyllite thru to more altered banded and black phyllite	52.7	54.0			31775	.006
Py/Po as remnants dises. Q.V. ~as above								
Q.V. ~as above, with chlorite			54.0	55.0			31776	.005
Q.V.Z. 40-50% (80% in place) within disrupted bedding 55°			55.0	56.4			31777	.015
Py/Po up to 10% in place trCpy, Chlorite in some veins								
Q.V. ~cuts bedding (So)		Box 12 56.9 - 61.3 uc/30°C.A. Banded Black thru to black and Knotted Phyllite. sericite and graphite along cleavage ~ Siliceous horizons within phyllite, give banded appearance.	56.4	58.1			31778	.005
lower contact carbonate + sulphide rich, gradational into Phyllite			58.1	59.1			31779	.003
56.1 - 61.3 - QV.Z (15%) with veins to 3cm. parallel to So/Si			59.1	60.0			31780	.005
3-4% sulphides in groundmass.			60.0	61.5			31781	.006
well banded, graphitic fault zone?								
		Box 13 61.3 - 65.4 Knotted Phyllite, sections very silicified, irregular folding with circulation ~ no true vein zone but entire box has ≤ 7-8% veining with sulphides (Py/Po + Trace Cpy)	61.5	63.0			31782	.005
			63.0	64.5			31783	.001

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. E6-25 SHEET No. 6 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
			64.5'	66.0			31764	.001
crenulated		Box 14 65.4 – 69.8						
		Knotted Phyllite, banded in places with minor veining, crenulated (similar to above)	66.0	67.5'			31765'	.006
			67.5	69.0			31766	.005
Q.V.Z. 15% veins parallel to Sc/S; sulphides to 5% with sericite.			69.0	70.5'			31767	.005
		Box 15 69.8 – 74.3						
Q.V.Z. 15% with veins to 10cm. up to 15% sulphides over short intervals, some chlorite in veins.		Knotted Phyllite, well banded in places - 3-5% py/po with some veining, section is silicified	70.5	72.0			31768	.006
			72.0	73.5'			31769	.008
			73.5	75.0			31770	.004
		Box 16 74.3 – 78.7						
		Black Knotted Phyllite, massive and silicified, minor qtz. stringers (1-2mm) parallel to Sc	75.0	76.5'			31771	.001
Q.V. 5cm. sulphides + carbonate, graphitic contact.		1-2% sulphides in groundmass well foliated in places.	76.5	78.0			31772	.005

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. E6-75 SHEET No. 7 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			76.5	76.7			31792	.005
Q.V. 75% 10-15% sulphides with carbonate - disruptive bedding ~ host is black banded phyllite		Box 17 78.7 – 83.1 Black knotted Phyllite, massive and silicified with quartz stringers (1-2 mm)	76.7	79.50			31793	.005
fracture 10° C.A. 80			79.50	81.0			31794	.006
			81.0	82.50			31795	.006
			82.50	84.0			31796	.006
		Box 18 83.1 – 87.6 Black Phyllite, massive + silicified very faint knots, increase of sulphides (py/po) along cleavage - 2-3% very faint banding	84.0	85.5			31797	.006
Q.V. carbonate/sulphides 83°			85.5	87.0			31798	.001
Q.V. 2-4 cm. 1-2% sulphides + carbonate								
			87.0	88.5			31799	.002
			88.5	90.0			31800	.002

DIAMOND DRILL RECORD

PROPERTY Fraserhold HOLE No. 86-28 SHEET No. 8 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 30%, veins to 10cm		Box 19 87.6 - 91.5						
5-7% sulphides, very graphitic contents with carbonate		Black Phyllite, with increased						
fractured 0-10°CA.		veining + carbonaceous content.						
90		banded in places.	90.0	91.5'			31601	.005
Silicified footwall to 90.5. (minor veining)	Sa 70							
	Si 65°		91.5'	93.0			31602	.005
	Sa 70	Box 20 91.5 - 96.3						
Q.V.Z. 80%	Si 65°	Black Phyllite with minor						
5-7% Py/Po, 1.0% carbonate groundmass soft + carbonaceous.		banded sections (laminated)	93.0	94.5'			31603	.004
		← footwall vein zone continue with						
	Sa 70	5-8% veining within host unit.						
	Si 65°		94.5'	96.0			31604	.006
Q.V. 1-3cm. with 5-7% sulphides								
over 20 cm.								
Q.V. within fracture 0-10°CA. Py/Po with Tr Cpy.		Box 21 96.3 - 100.7	96.0	97.5'			31605'	.002
	Sa Si 80 65	Black Phyllite with knotted						
		sections, banded in places						
		this unit is silicified	97.5	99.0			31606	.002
		2-3% sulphides with trace graphite						
		and sericite along cleavages						
			99.0	100.5'			31607	.004
100								

DIAMOND DRILL RECORD

PROPERTY Fiasergold HOLE No. 86-26 SHEET No. 9 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 22 100.7-104.9	100.5	102.0			31806	.007
		Black knotted thru to Black Phyllite to foliated at end of box.						
		Quartz veins and more carbonaceous at end of box.	102.0	103.5'			31609	.001
	30/S1 85							
			103.5'	105.0			31810	.004
105'		Box 23 104.9-109.1	105.0	106.5'			31611	.003
2-3% diss. py.	30-50°	Black (knotted) Phyllite, very silicified, faint knots						
S1 70			106.5'	106.			31612	.006
		109.1 - increase sulphides to 8% py/po						
Q.V., minor carbonate								
3-5% py/po near contact		5-8% sulphide						
Q.V. as above			106.0	109.1			31613	.071
10-15% QV		5% sulphide						
Q.V. as above			109.1	110.1			31614	.004
		Box 24 109.1-113.5						
110		Black Phyllite, very silicified	110.1	111.5			31615	.016
		high sulphide content, knots obliterated						
		3-5% sulphides along So ∥ Si	111.5	112.5			31616	.005
Q.V.								
	S1 40							

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. 86-25 SHEET No. 10 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			112.5	114.0			31617	.006
		Box 25 113.5 - 117.9						
S. 45°	S. 45 / So 70	Black Phyllite, silicified with py/po	114.0	115.5'			31618	.005
f — 145		minor veining with 10 cm. sections						
		very silicified 4-5% diss. sulphides						
f. 10°c.t. with pyrite, chlorite Trcpy.		minor bands of siliceous sediments	115.5'	117.0			31619	.001
		give banded appearance in places						
			117.0	116.5'			31620	.001
	S. / So 70							
		Box 26 117.9 - 121.9						
Q.V. 10-15% sulphides		Black Phyllite with knots visible	116.5'	120.0			31621	.002
		in some sections, minor vein zones						
Q.V.Z. 30% veins // Si/So 120			120.0	121.5'			31622	.001
7-6% sulphides, Trcpy								
Q.V.Z 75% as above · Carbonate + graphite								
	S. 45 /		121.5'	123.0			31623	.001
cpy along cleavage		Box 27 121.9 - 126.1						
		Similar to above, knotted						
broken core, carbonaceous band 5% Q.V.		thru banded Phyllite	123.0	124.5			31624	.015
		last 2 metres black massive						1230-1275
		with minor veining - 80-90° C.A.						.023/4.5m

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-26 SHEET No. 11 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
124								
minor arm. Qtz. parallel to So+Si			124.5	126.0			31625	.014
broken core Fractures 10° CA		Box 28 126.1 - 130.6 Black thru Black banded Phyllite carbonaceous in places with a calcareous horizon.						
calcareous horizon			126.0	127.5			31626	.039
Q.V.Z. 20% 5% sulphide in banded phyllite			127.5	129.0			31627	.001
Footwall Silicaform	S2 ? 35°							
			129.0	130.5			31628	.001
130		Box 29 130.6 - 135.2						
broken, graphitic fault?		Black Carbonaceous Phyllite, foliated knots faintly visible, soft unit with substantial veining (but very irregular ~ up to 20%)	130.5	132.0			31629	.001
			132.0	133.5			31630	.001
Q.V.Z. 80% graphitic minor sulphides/carbonate		← sulphide filled joint 0°CA.	133.5	135.0			31631	.001
Q.V.Z. 30% broken core 3-5% sulphides			135.0	136.5			31632	.001
135								
Q.V.			136.5	135.0			31633	.001
Q.V. 2-4cm.								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-28 SHEET No. 12 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
oxidized knots (ironstone) in black ground mass give speckled appearance		Box 30 135.2 - 139.3 Carbonaceous Phyllite, similar to above, very broken + graphitic,						
Q.V.Z. graphitic with broken core, shears 35° C.A. very limey in places	XXX XXX	Black calcareous phyllite	138.0	139.0	75%		31634	.001
			139.0	139.9			31635	.001
140	50-90	Box 31 139.3 - 143.6	139.9	141.0			31636	.001
		Volcaniclastics upper part resembles quartz pebble tuff - banded silicified	141.0	142.5			31637	.001
	50-65		142.5	144.0			31638	.001
Trace - 2% dits. sulphides. Tr Gp 145'		Box 32 143.6 - 147.5 Volcaniclastics coarse porphoblasts with thin argillaceous bands (So 60-90° to CA)	144.0	145.5'			31639	.001
			145.5'	147.0			31640	.002
			147.0	146.5'			31641	.008

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-28 SHEET No. 13 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS 4o g/ton
		Box 33 147.5 - 152.2	146.5	150.0			31642	.005
		Intrastratified volcaniclastic/ phyllite						
		slightly calcareous in places						
150		up to 4-5% sulphides in	150.0	151.5			31643	.001
		places.						
	So Sp							
			151.5	153.0			31644	.005
		Box 34 152.2 - 156.6						
			153.0	154.5			31645	.006
		similar to above						
	So Si 70-80°		154.5	156.0			31646	.003
155								
			156.0	157.5			31647	.005
		Box 35 156.6 - 161.3						
		Similar to above, however	157.5	159.0			31648	.001
		phyllite predominates.						
		increased silicification/ alteration						
		at end of box	159.0	160.3			31649	.001
	Si 60 So 90							
160		4-6% disseminated sulphides.						
		Trace green alteration mineral						
		(resembles malachite)						

DIAMOND DRILL RECORD

PROPERTY Fraserkold HOLE No. E6-26 SHEET No. 14 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au 3/ton
			160.5	162.0			31650	.002
		Box 36 161.3 - 165.7						
		Similar to above, into						
Q.V. carbonate		massive volcaniclastic at 164.0	162.0	163.5'			31651	.003
5% py/po with green alt. mineral								
			163.5	165.0			31652	.002
165'		So Si 20°	165.0	166.5			31653	.002
		Box 37 165.7 - 170.1						
		Volcaniclastic as above	166.5	166.0			31654	.001
		silicified with quartz veining						
		up to 5% sulphides in						
		plans	166.0	165.5			31655	.001
			165.5'	171.0			31656	.006
170		Box 36 170.1 - 174.5						
		Volcaniclastic as above						
		up to 10% veining in box.	171.0	172.5			31657	.004
		well silicified						
Cherty horizon		So 90°						

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-2E SHEET No. 15 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
172			172.5	174.0			31658	.003
			174.0	175.5			31659	.001
		Box 39 174.5 - 179.0						
175		Volcaniclastic to 177.7.						
		then intrastratified volcaniclastic	175.5	177.0			31660	.006
	S1 70°	with black calcareous phyllite						
		3-4% diss. sulphides in places	177.0	179.5			31661	.001
		contact.						
			175.5	160.0			31662	.001
		Box 40 179.0 - 183.5						
	S1 etc.	70-60°						
180		similar to above, possibly relic knots in phyllite horizons	160.0	161.5			31663	.001
			161.5	163.0			31664	.001
5% diss. py.								
		30 66						
	S1 70		163.0	164.5			31665	.001
		Box 41 163.5 - 185.9						
		as above then into						
		black banded calcareous phyllite						
		at 164.0m						

DIAMOND DRILL RECORD

PROPERTY Fraserglen HOLE No. 86-26 SHEET No. 16 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
		20% quartz veining 163.0-164.0.	164.5	165.9			31666	.001			
		cpy to 5-6% sulphides in place.									
		Sericite + chlorite alteration									
		— 185.9 E.O.H.									

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-29

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ.
Angle of Hole -50°
Claim TMAC
Section 30+00E, 0+70S
Bearing 045°

Total Depth 19.2
% Recovery
Elev. Collar 1402.5
Latitude 99067.5
Departure 63553.5

Sheet No 1 of 1
Logged by DAL
Date Begun Oct. 9, 1986
Date Finished Oct. 10, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS
		Hole abandoned at 19.2 m no bedrock. Not possible to ream casing to bedrock.						

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. 86-29A

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ.
Angle of Hole -63°
Claim TTAC
Section 30+00E 0+70S
Bearing 045°N

Total Depth 200.2
% Recovery
Elev. Collar 1402.5
Latitude 99067.5
Departure 63553.5

Sheet No 1 of 13
Logged by DAL
Date Begun Oct. 10, 1986
Date Finished Oct. 14, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0.0 → 54.0 volcanic boulders to metre size						
54		Box 1 56.0	54.0	55.5			31901	.001
			55.5	57.0			31902	.001
		Box 2 56.0 - 60.3						
	57.0	Bedrock 57.0m Knotted Phyllite, highly oxidized knots sericite along cleavage, some crackled knots	57.0	58.5			31903	.001
fracture 0°CA, refracted across cleavage		minor cm. qtz veins parallel to cleavage	58.5	60.0			31904	.001

DIAMOND DRILL RECORD

PROPERTY Fraserglen HOLE No. 86-29A SHEET No. 2 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
59								
eroded knots to 61.5'								
		Box 3 60.3 – 64.0	60.0	61.5'			31905	.001
Q.V. 5cm // S_1 oxidized vugs, Tr. py.		Knotted Phyllite, broken + oxidized similar to above to 61.5, minor veining (cm. size.) increase in veining over previous box.						
brecciated, cross cutting veinlets			61.5'	63.0			31906	.001
Q.V.Z. 15%, vuggy carbonate + pyrite sericitic., very broken core			63.0	64.5'			31907	.001
		Box 4 64 – 67.9						
Q.V., limonite, Tr py. parallel S_1, footwall graphitic		Black knotted Phyllite, Black carbonaceous in places, core is very broken + highly cleaved. limey horizions .2 to .3cm.	64.5'	66.0			31908	.001
65								
Q.V.Z. 20%, carbonate + Tr pyrite. graphitic footwall			66.0	67.5			31909	.001
limey + broken			67.5	67.0			31910	.002
Q.V.Z. broken + Tr sulphide only		Box 5 67.9 – 71.9						
limey footwall		Black Knotted Phyllite definite increase in quartz/carbonate veining (limey horizions)	69.0	70.5			31911	.001
70								
			70.5	72.0			31912	.001

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. 86-29 A SHEET No. 3 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V. with carbonate								
3-4% sulphide infilling between Carbonate crystals) Footwall broken + graphitic to 72.5		Box 6 71.9 - 76.2 Black Knotted Phyllite, with knots almost obliterated in sections, very carbonaceous and calcareous in places	72.0	73.5			31513	.007
73.2 to End Box			73.5	75.0			31514	.001
25% Q.V. with sulphides mainly parallel to Si	Si 60	tightly folded in places						
Some sections low angle to C.A. 35			75.0	76.5'			31515	.001
		Box 7 76.2 - 80.0 Black carbonaceous Phyllite, similar to above, well veined and broken in places	76.5	78.0			31516	.002
broken core, fault?			78.0	79.5'			31517	.001
Si streams in places.	Si 60							
Q.V.Z. 40% with Carbonate + sulphides mineralized, graphitic & host unit is carbonaceous			79.5	81.0			31518	.003
		Box 8 80.2 - 83.9 Knotted Phyllite, altered to black carbonaceous phyllite, well veined as previous	81.0	82.5			31519	.006
Q.V.Z. 45%, very chloritic,			82.5	84.0			31520	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-29A SHEET No. 4 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
53								
		Box 9 83.9 – 86.2						
Q.V. 5cm, carbonate chlorite		Knotted Phyllite, increased sulphides in	84.0	85.5			31921	.004
55 S1		groundmass, very massive.						
Q.V.Z. 25%			85.5	87.0			31922	.011
veins generally ll to S1 with green chlorite alt.								
fragmented in places	S2							
3-5% py/po with carbonate			87.0	88.5			31923	.003
		Box 10 88.2 – 92.1						
Q.V. 5cm, carbonate chlorite, py/po		Knotted thru to massive black Phyllite	88.5	90.0			31924	.001
fracture ⊥ to C.A. with chlorite	S0	increased quartz veining (15% box)						
90		(1-5cm veins)						
		2-3% py/po in groundmass	90.0	91.5			31925	.001
Q.V.Z. 40-50%								
chlorite, carbonate, 5% py/po								
irregular veining, parallel								
to S2, pale coloured			91.5	93.0			31926	.001
sulphide (Arsenopyrite)		Box 11 92.1 – 96.5						
		Black massive Phyllite, well veined &						
92.1–93.9 veinlets (mm)		silicified	93.0	94.5			31927	.001
	S1							
Q.V. with Chlorite, py/po			94.5	96.0			31928	.001
Q.V.Z. 30%								
parallel So + S1								
grey green horizon 95								
"volcanic tuff"?								
several percent sulphides								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-29A SHEET No. 5 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 40% up to 10 cm. veinlets, some veins 0-20° to C.A., 5% sulphide	KP	Box 12 96.5 - 100.2	96.0	97.5			31929	.004
Q.V. massive, with carbonate chlorite, sericite + sulphides	Q.V. 3 cm.	Knotted Phyllite - silicified						
Q.V. 10 cm. Tr sulphides on hangingwall contact.		altered to massive carbonaceous	97.5	99.0			31930	.002
Q.V.Z. 10-12% graphitic, boudinaged 1-2% sulphides								
1% diss. pyrite	KP		99.0	100.5			31931	.001
end box silicified	KP							
100	SI 60							
	SI 20	Box 13 100.2 - 104.0	100.5	102.0			31932	.001
		Black (knotted) Phyllite, top box well silicified.						
		1-2% sulphides, 5% near vein contacts.	102.0	103.5			31933	.001
Q.V.Z. 20 cm. 40% 10% green chlorite, 5% sulphides			103.5	105.0			31934	.001
		Box 14 104.0 - 108.4						
105		Black massive carbonaceous Phyllite well silicified, up to 10% veinlets	105.0	106.5			31935	.001
		in box.						
graphitic gouge								
gouge & broken veins			106.5	108.0			31936	.006
gouge / broken phyllite graphitic								

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-19A SHEET No. 6 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
		Box 15 106.4 – 112.7	105.0	109.5'			31937	.015			
		Black massive phyllite, silicified									
Q.V. contacts pslpo, graphitic		high sulphide content									
Q.V., as above, wssg with carbonate footwall silicified		beds highly contorted + tightly	109.5'	111.0			31938	.001			
		folded give variable So angle									
Q.V., carbonate + sulphides											
			111.0	112.5'			31939	.001			
Q.V. w sulphides + graphitic gouge			112.5	114.0			31940	.008			
		Box 16 112.7 – 116.7									
		Black massive phyllite, 15% veins									
		in box, units very contorted, So 0° to C.A.	114.0	115.5'			31941	.003			
		in places									
115'											
Q.V.Z, very chloritic tuffaceous horizons with later veining			115.5'	117.0			31942	.031			
											115.5–121.5
Q.V.Z. 30% carbonate 5% sulphide, graphitic + sericite		Box 17 116.7 – 121.0	117.0	118.5'			31943	.014			.019/6.0m
		similar to above, very contorted									
		beddings, approx. 20% veining in box.									
		up to 5-8% pslpo in black groundmass	118.5'	120.0			31944	.001			
		over short intervals									

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-29A SHEET No. 7 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			120.0	121.5			31945	.030
		Box 18 121.0 – 124.7						
		Black "Silicified" Phyllite where	121.5	123.0			31946	.001
		knots have been obliterated, up to 20%						
		veinsng in box., highly contorted beddings						
	30 70	broken core, veins parallel to Si/So	123.0	124.5			31947	.001
		up to 5% sulphide within vein contacts						
		Box 19 124.7 – 129.1	124.5	126.0			31948	.005
125		Black "Silicified" Phyllite, similar						
Py/Po 5-7%		to above, up to 30% veinlets in						
		box. with higher sulphide content.	126.0	127.5			31949	.001
black carbonaceous								
			127.5	129.0			31950	.004
		Box 20 129.1 – 133.4	129.0	130.5			31951	.003
		Knotted Phyllite, silicified to 131.2						
130	Si 60							
Q.V. 2cm, po, carbonate		lower part of box is well cremulated	130.5	132.0			31952	.001

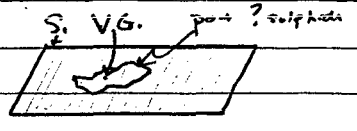
DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-29 A SHEET No. 8 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 40% with broken core graphitic + sericitic contacts up to 10% pg/po vein contacts.		Box 21 133.4 - 137.5 Knotted Phyllite, less veining than previous, however entire box is silicified with up to 10% mm. veinlets (parallel to cleavage/bedding)	132.0	133.5			31953	.002
			133.5	135.0			31954	.010
			135.0	136.5			31955	.001
			136.5	136.0			31956	.001
		Box 22 137.5 - 141.7 Knotted Phyllite, similar to above however increased veining + silicification						
Q.V.Z. 30% chloritic, carbonate py/po + graphitic contacts			135.0	139.5			31957	.001
silicified			139.5	140.1			31958	.001
Q.V. carbonate up to 5% py/po + chloritic		Box 23 141.7 - 146.0 Knotted Phyllite, well silicified up to 5% sulphides, along cleavages	140.1	141.1			31959	.006
silicified			141.1	142.5			31960	.006
			142.5	144.0			31961	.004

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-29A SHEET No. 9 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			144.0	145.5			31962	.012
145'		Box 24 146.0 - 150.2						
		Knotted Phyllite, well silicified	145.5	146.8			31963	.004
		as previous, with vein qtz						
			146.8	148.2			31964	.005
			148.2	150.0			31965	.001
150		Box 25 150.2 - 154.4	150.0	151.5			31966	.001
		Knotted Phyllite, well silicified with increased sulphide content						
		veined sections.	151.5	153.0			31967	.039
								
			153.0	154.5			31968	.001
V.G. 153.2 pinhead .3x.3mm in qtz. lense/boudin pale coloured (grey) sulphide on edge quartz 151' po. around vein contact as well								
			154.5	156.0			31969	.021

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-29 A SHEET No. 10 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
Q.V.Z. 30% veins parallel to S_0 + S_1 & crosscutting; 5% sulphides near contacts; fractures 20° C.A. (refracted across bedding)		Box 26 154.4 - 156.6 Black (banded in places) silicified Phyllite, sulphides parallel to S_0, almost banded (mm thickness) in places	156.0	157.5			31970	.015
			157.5	159.0			31971	.001
		graphitic, baked shale Q.V.Z. 10%						
		Q.V.Z. 20% up to 5% sulphides Box 27. 158.6 - 163.1	159.0	160.5			31972	.001
		Knotted Phyllite, more visible knots, less silicified						
		3-5% sulphides near veinings	160.5	162.0			31973	.001
		Box 28 163.1 - 167.2						
		Knotted Phyllite, Silicified, grades to black (banded) phyllite	162.0	163.5			31974	.002
		Tr - 2% po in host.						
joints to .5cm filled with Qtz (vuggy) Py + Tr Cpy; joints 0-10° C.A.			163.5	165.0			31975	.009
			165.0	166.5			31976	.001
			166.5	168.0			31977	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-29A SHEET No. 11 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
broken core		Box 29 - 167.2 - 171.2.						
some limey sections py/po to 5% in places		Knotted thru to banded Phyllite	165.0	169.5			31578	.001
		(graphitic + calcareous)						
Q.V. 2cm.			169.5	171.0			31979	.001
170								
Q.V. 15cm. py/po, chlorite								
banded/graphitic		Box 30 171.2 - 175.4	171.0	172.5			31980	.001
limey		Black Banded Phyllite, graphitic + limey						
		in places, 2-4% py/po.						
			172.5	174.0			31981	.001
Q.V.Z. 20% veins to 5cm. graphitic host. with 3-4% py/po								
Q.V.Z. - original		contact.	174.0	175.4			31982	.001
Volcanic tuff green alt. along Silso almost granular in places 175		pale coloured sulphide? (Arsenopyrite) in Qtz-Carbonate vein/alt.						
		Box 31 175.4 → 179.5	175.4	177.0			31983	.001
Q.V. massive, white minor pale grey/green Volcanic Tuff?		Volcanic Tuff pale grey green highly cleaved, 2-4% diss py.						
	5% 40-50	chloritized, with some veining	177.0	178.5			31984	.001
		generally well silicified						
Q.V. with carbonate minor py along contact.								
			178.5	180.0			31985	.001
Q.V. as above. 5cm								
Q.V. as above 15cm.								

DIAMOND DRILL RECORD

PROPERTY Fireboard HOLE No. EG-27 A SHEET No. 12 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
179								
150		Box 32 179.5 - 164.1	150.0	151.5			31986	.001
		Volcanic Tuff - as previous						
		massive, granular texture (1-2mm)						
		2-4% diss. py. with Tr. Cpy.	151.5	153.0			31987	.001
		chloritic						
			153.0	154.5			31988	.001
		Box 33 154.1 — 187.7						
fracture 0-15° C.A.		Volcanic tuff to 154.5	154.5	156.0			31989	.001
chloritic with minor 155 pyrite		footwall broken with veinings then back						
		into black calcareous phyllite						
		- very highly folded in places with	156.0	157.5			31990	.001
		1-2% pyrite (cubical crystals) to 3-4 mm						
		size. Random distribution along cleavage						
			187.5	159.0			31991	.007
		Box 34 157.7 - 191.5						
		Black Banded Phyllite, Calcareous						
		broken core, minor veinings	159.0	160.5			31992	.001
	30-60	1-2 cm. very thin bedded in						
160	50	places & graphitic						
			160.5	162.0			31993	.001

DIAMOND DRILL RECORD

PROPERTY Fraserwood HOLE No. 86-29 A SHEET No. 13 of 13

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
		Box 35 191.5 - 195.6									
		similar to above, very	192.0	193.5			31994	.001			
		graphitic along Si									
			193.5	195.0			31995	.001			
195	50 / 60		195.0	196.5			31996	N.S.			
		Box 36 195.6 - 199.6									
		Black banded (calcareous) Phyllite	196.5	198.0			31997	.001			
		as previous, core very broken									
		minor sulphides in host									
		Quartz/Carbonate veining with	198.0	199.5			31998	.001			
		Tr. to 2% sulphides									
Si											
fracture 0°CA.	50 / 50	Box 37 199.6 - 200.2	199.5	200.2			31999	.001			
200.		- as above									
		— E.O.H. 200.2									

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. SG-30

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -50°
Claim TMAC
Section 3540 E, 0+25 S
Bearing 045°N

Total Depth 163.7
% Recovery
Elev. Collar 1367.5
Latitude 966/14.0
Departure 6397/6.0

Sheet No 1 of 14
Logged by DAL
Date Begun Oct. 14, 1986
Date Finished Oct. 16, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		0 - 7.5m overburden						
7.5		Box 1 7.5 - 13.1	7.5	9.0	70%		32001	.001
		Knotted Phyllite, very broken + oxidized (knots + cleavage) minor quartz veining to 5cm. widths.	9.0	10.5	60%		32002	.001
Q.V. 5cm., oxidized carbonate, sericite contact								
Q.V. 3cm. as above 10								
Q.V. 2cm. as above			10.5	12.0	90%		32003	.001
			12.0	13.5	80%		32004	.001
Q.V.Z. 25% brecciated 3-4% py. in groundmass	50/75 80/85	Box 2 13.1 - 17.3 Knotted Phyllite, similar to above but less oxidized, Tr 2-3% sulphides in groundmass	13.5	15.0	60%		32005	.001
Q.V. 2-3cm. graphitic/sericitic highly folded + sheared								
15			15.0	16.5			32006	.001
Q.V.Z. 60% in black groundmass, py/po, graphitic		footwall						

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-30 SHEET No. 2 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			16.5	18.0			32007	.001
Q.V.Z. 60%, with carbonate, sulphide oxidized contacts, graphitic		Box 3 17.3 - 22.5						
		Knotted Phyllite, massive with	18.0	19.5			32008	.001
		second fracture/cleavage? black						
Q.V. 7cm.		carbonaceous groundmass, 2% diss.						
		sulphides	19.5	21.0			32009	.001
Q.V. 3cm. as previous 20		increase sulphides near end box.						
			21.0	22.5			32010	.001
Q.V.Z. 80% broken core, black groundmass, disrupted bedding, 3-5% pulp								
		Box 4 22.5 - 26.0	22.5	24.0			32011	.006
		Black Knotted thru to black						
Q.V. Carbonate, Tr py. graphitic		banded Phyllite, vein zones + limey						
		horizons, 3-4% sulphides	24.0	25.5			32012	.001
Q.V. 2-3cm., tight folds								
25		23.0 - 26.5 very highly folded						
Q.V.Z. 70%, carbonate			25.5	27.0			32013	.001
Tr. chlorite. up to 10% pulp in host								
Q.V.			27.0	28.1			32014	.001

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. E6-30 SHEET No. 3 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 20% quartz-carbonate highly folded 5-8% py/po in host		Box 5 26.0-30.1						
			28.1	29.3			32015	.001
	Sa 90	Black massive phyllite, very silicified with high sulphide content (to 5%) in tightly folded strata.	29.3	30.0			32016	.040
Q.V., with carbonate up to 5% py in pkes vugs near footwall 30	Si 35		30.0	31.5'			32017	.089
	BBP							
Oxidized fractures 30°C.A.	Sa 60	Box 6 30.1-34.4 Knotted Phyllite, top highly folded, sulphide rich with disruptive bedding in vein gears.						
	Si 60		31.5'	33.0			32018	.005
well knotted silicified								
	Sa 60		33.0	34.5'			32019	.001
Q.V.Z. 30% chloritic, carbonate 5% py/po, Tr cpy (cpy assoc. with Po)	Si 90							
		Box 7. 34.4-38.6	34.5'	36.0			32020	.001
85	Si 40	Knotted Phyllite, silicified						
Silicified bands (Original bedding)	Sa 60	folded quartz minor quartz veining, 1-2% diss. py/po.	36.0	37.5'			32021	.001
	Sa 65							
	Si 90		37.5'	39.0			32022	.041
	Sa 65							
Q.V. true thickness 3-5cm. (cuts Sa-90°) appears to be 10-20° C.A. 3-4% py/po, V.G. in vein + smears of cut.	Si 65	V.G.	39.0	40.5			32023	.006

DIAMOND DRILL RECORD

PROPERTY FIASERGOLD HOLE No. E6-30 SHEET No. 4 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 8 35.6 - 42.7						
		Knotted Phyllite, faint knots						
Q.V. 10cm. carbonate, 5-8% py along contact		totally silicified, millimetre size veinlets, lower section of box contorted bedding	40.5	42.0			32024	.001
			42.0	43.5			32025	.001
Q.V.Z. 60% 5% sulphides, Py Po carbonate, chlorite + sericite		Box 9 42.7 - 47.2						
		Knotted Phyllite, silicified as previous with siliceous borders	43.5	45.0			32026	.001
		showing 5a. 1-2% diss. sulphides in host.						
Q.V.Z. 50% 3% py/po, graphitic stringers contacts 45			45.0	46.5'			32027	.001
			46.5	46.0			32028	.001
		Box 10 47.2 - 51.2						
		Black, massive, silicified highly veined with high chlorite alteration.	46.0	49.5'			32029	.004
Q.V.Z. 35-40% sulphides to 10% in places, Tr Cpy chlorite veins at low angles sericite, graphite 50			49.5	51.0			32030	.005
			51.0	52.5'			32031	.001

DIAMOND DRILL RECORD

PROPERTY Fracgold HOLE No. 86-30 SHEET No. 5 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton			
50		Box 11 51.2-55.7 Knotted Phyllite, Silicified with veined sections host unit 2-4% sulphides along cleavage	52.5	54.0			32032	.012		52.5-79.5 .021/27.0m	
Q.V.Z. 65% similar to above											
Q.V.Z. 25-30% last metre 50% Similar to above with V.C.			54.0	55.5			32033	.016			
55		Box 12 55.7 - 60.05 Black banded Phyllite, totally silicified with vein zone	55.5	57.0			32034	.078			
V.C. - 1mm x 5mm smeared, parallel to foliation associated with po.			57.0	58.5			32035	.036			
Q.V.Z. 20% silicified, veins to 10cm. with chlorite 10% sulphides in places			58.5	60.0			32036	.037			
65		Box 13 60.05 - 64.5 Knotted shale to black massive less silicified than previous still veins to 3cm., 5% sulphides in groundmass increased carbonaceous content.	60.0	61.5			32037	.074			
Q.V., carbonate, 5% sulphides, Tr chlorite											
Q.V. as above			61.5	63.0			32038	.024			
Q.V.Z. 20%, very chloritic with po. disruptive bedding almost brecciated Tr cavellite? or chalcocite											

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-30 SHEET No. 6 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
62								
			63.0	64.5			32039	.006
Q.V., chloritic, py/po								
Q.V.Z.		Box 14 64.5 - 66.9	64.5	66.0			32040	.012
66		Black massive phyllite, silicified						
Q.V.Z. 30%		as previous with vein zones.	66.0	67.5			32041	.006
sulphide rich, 5-8% in places								
Quartz in places								
			67.5	69.0			32042	.001
Q.V.Z. 30-35%								
Similar to above								
Chlorite + sulphide rich								
broken core		Box 15 68.9 - 73.0	69.0	70.5			32043	.001
Q.V.Z. 20%		Black (knotted) Phyllite, with						
veins mm. to 10 cm. with carbonate 30%		knots still visible in places, totally						
very chloritic		silicified as previous	70.5	72.2			32044	.029
5-8% sulphides								
in places								
So very disruptive								
in places			72.2	73.1			32045	.006
			73.1	74.2			32046	.002
7% po 3-4% →								
Q.V. massive								
with po			74.2	75.0			32047	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-30 SHEET No. 7 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 16 - 73.0 - 77.5						
Q.V.		Black silicified (formerly knotted) Phyllite, ≤ 10% veinlets in box.	75.0	76.9			32048	.001
crenulated.								
			76.9	77.8			32049	.001
		Box 17. 77.5 - 81.5						
		Black (formerly knotted) Phyllite silicified, entire box 5-10%	77.5	79.5			32050	.051
Q.V. 7. 35% carbonate, Py/po 5-10% in places with chlorite/sericite			79.5	81.0			32051	.001
		Box 18 81.5 - 85.7	81.0	82.5			32052	.001
		Black knotted Phyllite, banded in places, well silicified veinlets parallel to So	82.5	84.0			32053	.001
		1-3% diss. sulphides in host.						
			84.0	85.5			32054	.001
Q.V. 3cm. carbonate, Py/po			85.5	87.0			32055	.001

DIAMOND DRILL RECORD

PROPERTY Fitzgerald HOLE No. 86-30 SHEET No. 8 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
86		Box 19 85.7 - 89.7.						
		Black knotted phyllite, very	87.0	88.5			32056	.001
	30 85	silicified						
85			88.5	90.0			32057	.001
90		Box 20 89.7 - 93.8	90.0	91.5			32058	.001
		knotted phyllite, dark grey black						
		groundmass, very silicified						
		Trace - 1% diss. pyrite in groundmass	91.5	93.0			32059	.001
	30 90		93.0	94.5			32060	.001
80		Box 21 93.8 - 97.9						
ccenulated	90	knotted thru to banded	94.5	96.0			32061	.001
95 60	30	(silicified) phyllite,						
Q.V.Z. 15%, broken core, veins to 100m.			96.0	97.5			32062	.001
veins parallel c.a. in place, parallel to So near lower contact		disrupted bedding						
			97.5	99.0			32063	.001
increase chlorite/sulphide at lower contact								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-30 SHEET No. 9 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 22 97.9 - 102.2						
tight folds with bedding slippage. Q.V.Z. 65% chloritic, 5-5% Py/Po in places possibly arsenopyrite 100		Knotted Phyllite veined & highly silicified	99.0	100.5			32064	.022
Q.V.Z. 35% high carbonate, Py/Po Tr Cpy → chlorite veins steep			100.5	102.0			32065	.001
Q.V.Z. - similar to above, parallel to C.A.		Box 23 102.2 - 106.5 Black Phyllite, well silicified sericitic, similar to above, Tr-1% diss. pyrite in groundmass.	102.0	103.5			32066	.001
Q.V.Z. 70% carbonate rich Py/Po ≈ 4%			103.5	105.0			32067	.001
105			105.0	106.5			32068	.001
		Box 24 106.5 - 111.0	106.5	106.0			32069	.001
		Knotted Phyllite, slight banding in lower part of box, well silicified						
Q.V. 2cm. 60°C.A. carbonate, pyrite Q.V. 5cm, Carbonate Tr pyrite			106.0	105.5			32070	.001
Q.V.Z. 30%, Carbonate 10% sulphides in places Tr Cpy.		increased sulphide content towards 111.0	109.5	111.0	90%		32071	.001
Secondary veinlets (1-3mm) 45°C.A 110								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 96-30 SHEET No. 10 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
110								
Q.V. 3cm., carbonate Py|Po			111.0	112.5	50%		32072	.001
Q.V.Z. 60% carbonate Py|Po footwall, black banded calcareous phyllite	S=90	Box 25 111.0 - 116.3						
		Black banded Phyllite, very calcareous in places, carbonaceous with graphite.	112.5	114.0	30%		32073	.001
up to 5% sulphide content in places very tightly folded			114.0	115.5	95%		32074	.001
115			115.5	117.0			32075	.001
	S1 90 S0 80	Box 26 116.3 - 121.2						
		Black banded Phyllite carbonaceous and calcareous horizions, tightly folded in places, up to 5% sulphides	117.0	118.5			32076	.001
			116.5	120.0			32077	.001
			120.0	121.5			32078	.001
120								
Q.V.Z. 20% up to 10% sulphides	S0 80		121.5	123.0			32079	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-30 SHEET No. 11 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 27 121.2 – 124.9						
broken core 121.2 – 123.5	So 80	Black banded phyllite, carbonaceous and calcareous, minor veining 5% up to 5% sulphides near veins Si/So parallel	123.0	124.5			32080	.001
		Box 28 124.9 – 129.4	124.5	126.0			32081	.001
		Calcareous through to black banded phyllite	126.0	128.1			32082	.001
		128.1 – volcaniclastic, very well veined and silicified, up to 5% diss. sulphides (py, po) near vein trace arsenopyrite	128.1	129.0			32083	.001
Si 60	80	Box 29 129.4 – 133.7	129.0	130.5			32084	.001
Q.V.Z. 50%		Volcaniclastic – as above well veined + silicified						
Q.V.Z. 40%								
Q.V.Z. 50%			130.5	132.0			32085	.001
Q.V.Z. 40%								
Q.V.Z. 70%								
			132.0	133.5			32086	.001
Q.V.Z. 40%								
			133.5	134.2			32087	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-30 SHEET No. 12 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
134		Box 30 133.7 - 137.7	134.2	135.0			32088	.001
So (bandings) folded (cimetre folds) So 90° to 0° C.A.		Volcaniclastic to 134.2 then transition zone (134.2-134.6) to banded calcareous phyllite	135.0	136.5			32089	.001
			136.5	138.0			32090	.001
		Box 31 137.7 - 142.3	136.0	137.5			32091	.001
Q.V., 5cm, 20° C.A. minor carbonate, py/po Tr cpy. broken core graphitic, fault? 140		Banded Black Phyllite, calcareous horizions (narrow), more carbonaceous graphite along cleavage tightly folded 2-4% diss. py/po	139.5	141.0			32092	.001
			141.0	142.5			32093	.001
Q.V. contacts graphitic with pgnite Calcareous footwall		Box 32 142.3 - 146.0						
3-5% diss. py/po	So Si Co	Black banded phyllite, thin calcareous horizions graphitic along cleavage	142.5	144.0			32094	.001
			144.0	145.5			32095	.001
145		So variable from 40 to 80° C.A. up to 3% sulphides along cleavage						
broken			145.5	147.0			32096	.001
		~ core silicified, 1-4% diss. py/po carbonaceous in sections						

DIAMOND DRILL RECORD

PROPERTY FIALER GOLD HOLE No. E6-30 SHEET No. 13 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 33 146.0 - 150.7						
pebbles ? 147.0		Black carbonaceous phyllite	147.0	146.5'			32097	.001
Q.v. up to 1cm. 80-90° C.A.		banded in places						
		some sections appear to have						
		coarser (pale coloured) fragments	146.5'	150.0			32098	.001
		stretched along Sol/S.						
150			150.0	151.5			32099	.001
		Box 34 150.7 - 154.6						
		Black banded phyllite, carbonaceous	151.5	153.0			31100	.001
		with calcareous horizons						
Q.v.z. 80%			153.0	154.5'			31334	.001
		very tightly folded						
increase sulphides at end box (5%)								
			154.5	156.0			31335	.001
155		Box 35 154.6 - 155.9						
		Black banded carbonaceous	156.0	157.5			31336	.001
		phyllite, similar to above						
high sulphides 5-7% in places		contorted & tightly folded	157.5	159.0			31337	.001

DIAMOND DRILL RECORD

PROPERTY FIASERGOLD HOLE No. E6-30 SHEET No. 14 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
155								
		Box 36 155.9 - 163.3	157.0	160.5			31335	.001
		Banded Phyllite						
160		similar to above, increased						
		silicification	160.5	162.0			31339	.001
Q.V.Z. 35%								
Carbonate, Chlorite								
Pylpe, TR Py								
Q.V.Z. 80%			162.0	163.7.			31340	.001
Q.V.Z. 70%		Box 37. 163.3 - 163.7.						
2% pyrite cubes								
graphite contact		163.7 E.O.H. Black Banded Phyllite						
		as above.						

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. FG-31

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -50°
Claim TMAC 2
Section 33150E, 01705
Bearing 045°N

Total Depth 185.3
% Recovery
Elev. Collar 1407.5
Latitude 9666.0
Departure 63626.0

Sheet No 1 of 14
Logged by DAL
Date Begun Oct. 17, 1986.
Date Finished Oct. 19, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Overburden to 26.6 m ~ volcanic boulders with sand/clay until 23.8. Then 3.0 metres of broken fragments (phyllite + quartz veins) all very oxidized						
		Box 1 26.6 – 30.5						
2cs		Knotted Phyllite, very limonite	26.6	28.5	85%		32101	.001
Tr diss. pyrite		with oxidized knots, & oxidized						
	50	along drainage planes, core is very	28.5	30.0	100%		32102	.001
40-50		broken with some sand (limonitic)						
		seams (open fractures)						
transgressive clay/graphite								
Q.V., limonite 30			30.	31.5	70%		32103	.001
Q.V. 50% oxidized, Tr Py, chlorite								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-31 SHEET No. 2 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
	Si 50	Box 2 30.5 - 34.9	31.5	33.0	100%		32104	.001
mudseam.		Knotted Phyllite, very limonitic						
Q.V. 15cm Trpy. oxidized parallel to Si above very broken fault?		mineralization, with broken core	33.0	34.5'	95%		32105'	.001
calcareous gouge		some calcareous horizons.						
Calcareous siltstone		Box 3 34.9 - 39.7	34.5'	36.0	70%		32106	.001
35'		Black carbonaceous thin Knotted						
		Phyllite, more oxidized, mineralization						
Quartz Carbonate			36.0	37.5'	100%		32107	.001
			37.5'	39.0			32108	.001
Quartz Carbonate								
			39.0	40.5'			32109	.001
Quartz Carbonate								
40'		Box 4 39.7 - 43.6						
Q.V. carbonate, Trpy graphitic		Black Knotted Phyllite, carbonaceous	40.5'	42.0			32110	.001
	KP	with veining						
	50 65		42.0	43.5'			32111	.001
Q.V.Z. 40%, with carbonate, chlorite Tr-2% pyrite very chloritic	Si 60							
			43.5'	45.0			32112	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-31 SHEET No. 3 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
43		Box 5 43.6 - 47.7						
Q.V.Z. 80%		Black Knotted Phyllite, similar						
Q.V.Z. 60% as above		to above, well silicified + veined						
45			45.0	46.5			32113	.001
Q.V.Z. 80% oxidized contacts 1-2% pyrite								
	Sa 90							
Q.V. carbonate, Tr chlorite + pyrite	Si 70		46.5	46.0			32114	.001
Q.V. Tr pyrite silicified	KP	Box 6 47.7 - 51.8						
		Knotted Phyllite, well silicified	48.0	49.5			32115	.001
Q.V.Z. 10-15% veins som. parallel to Sa with carb.		with abundant quartz veining						
Carbonate, Tr-1% pyrite chloritic		~ bands of siliceous sediments						
50		show Sa ~ top of box very	49.5	51.0			32116	.001
		carbonaceous						
		Tr-1% diss. sulphide						
Q.V.Z. very chloritic with anchorpsipe			51.0	52.5			32117	.001
	Si							
	Sa							
		Box 7 51.8 - 56.1						
Q.V.Z. 30% up to 20cm. chloritic with carbonate Tr-1% pyrite		Black Knotted Phyllite, well	52.5	54.0			32118	.001
		veined + silicified						
		- Tr-1% sulphide in host unit						
			54.0	55.5			32119	.001
55								
	KP		55.5	57.0			32120	.001
Calcareous Siltite								

DIAMOND DRILL RECORD

PROPERTY Flaser Gold HOLE No. 86-31 SHEET No. 4 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
		Box 8 56.1 - 60.2						
		Calcareous Siltstone, then back into Knotted Phyllite						
Q.V.Z. 60% with carbonate chlorite TrCpS.			57.0	58.5			32121	.002
Q.V.Z. 80% carbonate chlorite, vugs								
			58.5	60.0			32122	.001
		Box 9 60.2 - 64.5	60.0	61.5			32123	.001
		Knotted Phyllite, silicified, no veining as previous						
			61.5	63.0			32124	.001
		increase in sulphides in groundmass						
			63.0	64.5			32125	.001
Q.V. 40°C.A.								
Q. carbonate, with chlorite								
		Box 10 64.5 - 68.8	64.5	66.0			32126	.010
Q.V.Z. 50%		Knotted Phyllite, well foliated and convoluted with quartz veining						
Q.V.Z. 50%			66.0	67.5			32127	.001
Q.V., carbonate, chlorite								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-31 SHEET No. 5 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 80%		Sa/S. 40° annulated	67.5	69.0			32128	.001
Q.V.Z. 30% veins cut cleavage		Box 11 68.6 - 73.2	69.0	70.5			32129	.001
S1 veins 70 dip parallel to cleavage	calcareous siltstone Q.V.Z. 90%	Black massive phyllite, well annulated with black calcareous siltite ground vein zones.	70.5	72.0			32130	.003
-veins contain ankerite, vuggy 2-4% pyrite along cleavage	S1 50°							
Q.V.			72.0	73.5			32131	.002
	S 80	Box 12 73.2 - 77.0						
Q.V.Z. 10% 5-10% sulphides in places.	S1 45	Calcareous siltstone/siltstone	73.5	75.0			32132	.002
75		Hbn into knotted phyllite (silicified)	75.0	76.5			32133	.001
	KP							
			76.5	78.0			32134	.001
		Box 13 77.0 - 81.5						
		Knotted phyllite, silicified, massive						
		Trace - 1% sulphides in groundmass	78.0	79.5			32135	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. EG-31 SHEET No. 6 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
79			79.5	81.0			32136	.001
	30/90							
Q.V.Z. 80% carbonate, 3% ps/po Tr Cpy.	50/80							
			81.0	82.5			32137	.004
		Box 14 81.6 - 86.3						
		Black massive phyllite through	82.5	84.0			32138	.007
up to 10% sulphides in vein zones		to Knotted Phyllite						
		approximate 10% Q.V. in box.						
3-4% sulphides in groundmass	30/60		84.0	85.5			32139	.010
85	50/80							
			85.5	87.0			32140	.002
broken, graphitic		Box 15 86.3 - 90.6						
		Black (silicified) Phyllite	87.0	88.5			32141	.004
		faint knots still visible,						
		less veining than previous box						
		(< 5%)	88.5	90.0			32142	.001
90			90.0	91.5			32143	.001
	30/45							
Q.V.Z. 35% chlorite, ps/po disruptive veining	50/45							
	KP							

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. E6-31 SHEET No. 7 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 16 90.6 - 94.9	91.5	93.0			32144	.001
		Black massive (silicified) phyllite through to knotted phyllite						
Q.V.Z. 30% - similar to above increased pyrite+chlorite veins very descriptive			93.0	94.6			32145	.001
Quartz - carbonate 80% Tr Cpy			94.6	96.0			32146	.001
As above graphitic contact. 95	KP	Box 17 94.9 - 99.4 Knotted phyllite, highly veined & altered, possible tuff horizon (95.7 → 98.2)						
	V		96.0	97.5			32147	.016
	V							
	V							
Quartz Carbonate py/py, Tr Cpy, Tuff. fragm.	Si 50		97.5	99.0			32148	.001
	V							
	V							
Q.V, sulphides, chlorite graunchroist silky lustre			99.0	100.5			32149	.001
100		Box 18 99.4 - 103.7						
		Knotted Phyllite, very silicified with quartz veining and calcareous horizons	100.5	102.0			32150	.001
calcareous								
			102.0	103.5			32151	.001
	Si 70							
Q.V.Z. 80% pyrite, chlorite sericite/graphite contact								

DIAMOND DRILL RECORD

PROPERTY Fiaseroold HOLE No. 86-31 SHEET No. 8 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
103		Box 19 103.7 - 106.0	103.5	105.0			32152	.001
		Knotted Phyllite, then into						
		black massive phyllite						
Q.U.Z. 90% 105			105.0	106.5'			32153	.002
chlorite, sulphides Tr Cpy								
Q.U.Z. 80%								
Tr chlorite, pyl/po calcareous footwall		footwall 90° to C.A. parallel to So	106.5'	108.0			32154	.019
Q.U.Z. 20-25% chlorite, sulphides broken + graphitic								
Q.V. massive minor carbonate		Box 20 108.0 - 111.3	108.0	109.5'			32155	.003
Q.U.Z. 15% veins to 10cm. pyl/po carbonate, vuggy in places. V.G. stained on vein edge 110		Black phyllite, carbonaceous. then into volcanic tuff (with pale green, sericitic alteration)	109.5'	111.0			32156	.001
	V							
	V							
	V	Box 21 111.3 - 115.3	111.0	112.4			32157	.001
	V	Volcanic tuff, then						
	V	into carbonaceous phyllite						
	V	highly veined						
Q.U.Z. 30%	V		112.4	114.0			32158	.017
5-10% sulphides in places, chloritic								
very tightly folded + discordant veining			114.0	115.5'			32159	.012
faint knots 115								
slightly banded			115.5'	117.0			32160	.005
		So 90°						

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. E6-31 SHEET No. 9 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 22 115.3 - 119.7						
		Black carbonaceous (massive) phyllite, knots still visible in places						
Q.V.Z. 80%		silicified with abundant veining circulated in places	117.0	118.5			32161	.001
		So circulated 90°	118.5	120.0			32162	.001
Q.V.Z. 5cm								
120		Box 23 119.7 - 123.7						
		Black massive carbonaceous phyllite, knots very faint	120.0	121.6			32163	.001
			121.6	123.0			32164	.001
Q.V. no carbonate Tr py.								
Q.V.Z. 75%								
black massive		So 90	123.0	124.5			32165	.020
2-3% sulphides								
		Box 24 123.7 - 127.9						
Q.V.Z. 25%								
V.G. 124.25 pyrrhotite/sericite 125		Black massive carbonaceous phyllite (highly veined) core is broken + graphitic	124.5	126.0			32166	.006
			126.0	127.5			32167	.001
Q.V. Carbonate sulphides along contact.								

DIAMOND DRILL RECORD

PROPERTY FALCONBRIDGE HOLE No. E6-31 SHEET No. 10 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
			127.5	129.0			32166	.001
Q.V.Z. 40-50% carbonate, 3-5% pyrr.		Box 25 127.9 - 132.1						
Slight chlorite		Black massive, silicified						
	Cpy Sx Cpy	(knotted) phyllite, slightly calcareous	129.0	130.5'			32169	.001
		low sulphide content						
130								
Q.V.Z. vuggy tension gashes crosscutting			130.5'	132.0			32170	.001
Q.V.								
		Box 26 132.1 - 136.3	132.0	133.5'			32171	.001
		Black massive phyllite,						
		carbonaceous, low sulphides in						
Q.V.Z. 90% graphite/sericite		groundmass.	133.5'	135.0			32172	.001
Q.V.Z. 20%								
3-5% sulphides								
TT Cpy + hexagonite 135			135.0	136.5'			32173	.001
		Box 27 136.3 - 149.3						
		Black massive (silicified) phyllite	136.5'	13			32174	.001
		less silicified than previous,						
		faint knots still visible						
			138.0	139.5'			32175'	.001
		calcareous horizons						

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. 86-31 SHEET No. 11 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
limey horizon broken + graphitic			139.5	141.0			32176	.001
		Box 28 140.3 - 144.4						
Q.V.Z. 20% 5-8% sulphides, veins parallel to Se		Black banded phyllite, carbonaceous with calcareous horizons, broken & graphitic, highly sheared	141.0	142.5			32177	.001
			142.5	144.0			32178	.001
graphitic			144.0	145.5			32179	.001
		Box 29 144.4 - 148.7						
145								
		Black banded phyllite, graphitic slightly calcareous, 5-8% veining	145.5	147.0			32180	.001
			147.0	148.5			32181	.001
Q.V. massive footwall 30° C.A. per Tr Cps			148.5	150.0			32182	.001
		Box 30 148.7 - 153.0						
Q.V.Z. 90% 3-4% sulphides 150		Similar to above, foliated black phyllite, crenulated in places	150.0	151.5			32183	.001
		Thru to banded (calcareous) phyllite						

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. EG-31 SHEET No. 12 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			151.5	153.0			32164	.001
		Box 31 153.0 - 157.3	153.0	154.7			32165	.001
		Black banded Phyllite/calcareous and graphitic ~ then volcanic left. (154.7)						
			154.7	156.0			32166	.001
155	V							
	V							
	V		156.0	157.5			32167	.001
	V							
	V	Box 32 157.3 - 161.7						
	V		157.5	159.0			32168	.001
	V	Volcaniclastic, CO above very silicified with up to 10% veins						
	V							
	V		159.0	160.5			32169	.001
160								
			160.5	162.0			32150	.001
			162.0	163.5			32151	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-31 SHEET No. 13 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
162		Box 33 161.7 → 166.0.						
	So / Si 70-80	Volcaniclastic with argillaceous horizons - slightly calcareous Tr-1% pyrite	163.5'	165.0			32152	.001
165			165.0	166.5'			32153	.001
Tr Cpy.		Box 34 166.0 - 170.3						
	So / Si 70-80	Volcaniclastic, slightly banded with argillaceous horizons chloritic + sericitic	166.5'	168.0			32154	.001
			168.0	169.5			32155	.001
		green alteration mineral clots some cleavage.						
Q.V.Z. 15% carbonate, 1-5% sulphides Tr Chlorite			169.5	171.0			32156	.001
170		Box 35 170.3 - 174.75 - Similar to above.						
		Volcaniclastic with argillaceous horizons.	171.0	172.5			32157	.001
			172.5	174.0			32158	.001
	Si 70							
			174.0	175.5			32159	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-31 SHEET No. 14 of 14

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton	ASSAYS	ASSAYS	ASSAYS
174		Box 36 174.75 – 179.1									
		as above.	175.5	177.0			32200	.001			
		increase in sulphide content	177.0	176.5			31867	.001			
			176.5	180.0			31868	.001			
		Box 37. 179.1 – 183.4									
180		Volcaniclastic thru to knotted Phyllite	180.0	181.5			31869	.001			
		3-4% sulphides in places up to 10% veining at end of box.	181.5	183.0			31870	.007			
	80 81 80										
		Box 38 183.4 – 185.3	183.0	185.3			31871	.001			
		Knotted phyllite with calcareous phyllites									g/T Au
						Sludge Samples.	115.2	118.2			.006
							118.2	121.3			.006
80	80 81	2-3% disseminated sulphides					121.3	124.4			.011
		185.3 E.O.H.					127.5	130.5			.012
							130.5	133.5			.005
							133.5	136.6			.008
							136.6	139.6			.003
							139.6	142.7			.001

DIAMOND DRILL RECORD

PROPERTY Fiaergold HOLE No. E6-32

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -55°
Claim MAC 2
Section 31+50E, 01705
Bearing 045°

Total Depth 46.2
% Recovery
Elev. Collar 1405.0
Latitude 98993.5
Departure 63672.0

Sheet No 1 of 1
Logged by DAL
Date Begun Oct. 19, 1986
Date Finished Oct. 22, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS
		Abandoned at 46.2 - no backside						
		not possible to ream casing below 30.5 metre depth.						
		Abandon hole and start E6-32A at -70° from same set up.						

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD HOLE No. 86-32A

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size HQ
Angle of Hole -70°
Claim ITAC 2
Section 31+50E, 0+70S
Bearing 045°N

Total Depth 212.7
% Recovery
Elev. Collar 1405.0
Latitude 96993.5
Departure 63672.0

Sheet No 1 of 16
Logged by DAL
Date Begun Oct. 22, 1986
Date Finished Oct. 25, 1986
Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au oz/ton
		0.0 → 39.6 Overburden						
		CASED TO 40.2						
		Box 1 39.6 - 44.0						
39.6		Knotted Phyllite, oxidized + well broken, minor quartz veining (1-3mm) very oxidized, wispy (formerly pyrite)	39.6	42.0	90%		32201	.002
		Trace only pyrite in groundmass. Knots eroded in places	42.0	43.5	95%		32202	.001
			43.5	45.0	95%		32203	.001
		Box 2 44.0 - 46.2						
45.		Knotted Phyllite - oxidized as above with calcareous siltstone horizons	45.0	46.5	95%		32204	.001
joints 0-5° c.A.								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 96-32A SHEET No. 2 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
45.4-47.0 calcareous siltstone			46.5	46.0	100%		32205	.001
		Box 3 46.2-52.7 Knotted Phyllite - similar to above however more altered, massive sections of lighter coloured (siliceous) zones, minor vein zones.	46.0	49.5	75%		32206	.001
Q.V., calcite, minor Py. graphitic contacts 50 calcareous footwall			49.5	51.0	100%		32207	.001
Q.V.Z. 50% as above increase chlorite/sulphide								
Q.V. 3cm. 70° C.A., calcite no sulphides		Si fracture, 10° C.A., calcite filled	51.0	52.5			32208	.001
Q.V. 10 cm. as above								
Q.V.Z. 40%, 100cm. Py, Po, chlorite		Box 4 52.7-56.9 Knotted Phyllite, dark grey groundmass with vein zones Trace only sulphides in groundmass core is silicified to end of box.	52.5	54.0			32209	.001
Q.V.Z. 20% 5cm. veinlets parallel foliation chloritic+sericitic contacts Tr carbonate, py, Tr Cp. 55			54.0	55.5			32210	.001
Q.V.Z. 90% as above increase chlorite, sulphides to 5%, sericite			55.5	57.0			32211	.002
Q.V.Z. 50%, similar to above, less alteration								
Q.V.Z. 50-60%, as above minor alteration, Tr. sulphides, calcareous footwall			57.0	56.5			32212	.001

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-32A SHEET No. 3 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
		Box 5 - 56.9 - 61.5						
		Knotted Phyllite, less silicified						
	X	than previous, very lithic veining,	56.5'	60.0			32213	.001
	S1 S5							
	X							
	X	core very broken in places						
60	X		60.0	61.5	60%		32214	.001
	X							
	X							
	X							
Q.V., replaces bedding, trace only sulphide	X	Box 6 61.5 - 65.8	61.5'	63.0			32215	.001
		Knotted Phyllite, more massive						
		than previous, minor alteration						
Q.V. massive with calcite, no sulphides,		Tr - 1% sulphide in groundmass.	63.0	64.5'			32216	.001
Q.V. - similar to above with calcite, 5-7 cm. No sulphides			64.5'	66.0			32217	.001
65								
S1 So								
Q.V. 3cm. parallel to So 65°		Box 7 65.8 - 69.9	66.0	67.5'			32218	.001
Q.V. 2. 30%, 2-4% sulphide, Tr chlorite calcareous - footwall		Knotted Phyllite with very fine grained (mudstone, siltstone)						
silicified mudstone host.		fragments - highly silicified	67.5	69.0	95%		32219	.001
	KP	trace only sulphides in groundmass						
	KP							
	So 65 KP		67.0	70.5'			32220	.001
Q.V. massive with calcite		graphitic footwall						

DIAMOND DRILL RECORD

PROPERTY FIASERCOLD HOLE No. E6-32A SHEET No. 4 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 8 69.9 - 74.0						
		Knotted Phyllite, similar to above	70.5	72.0			32221	.001
Q.V.Z. 20%, chloritic Tr sulphide		silicified, broken in places						
Q.V.Z. 80%, chloritic mica pstpa, carbonate		very dark black groundmass	72.0	73.5			32222	.001
	KP	with siliceous horizons						
			73.5	75.			32223	.001
		Box 9 74.0 - 78.3						
Q.V.Z. 50%, fobbed zone with vein selvage, Tr py, chlorite sericite, carbonate 75		Knotted Phyllite, black groundmass Trace only sulphide (up to 2% in places)	75.2	76.5	65%		32224	.001
Q.V.Z. 20%, similar to above disruptive bedding			76.5	78.0			32225	.001
calcareous footwall								
		Box 10 78.3 - 82.4	78.0	79.5			32226	.001
		Knotted Phyllite, similar to above with calcite along cleavage						
Q.V. 5cm. calcite Tr pstpa - chlorite 90		core slightly silicified, more massive	79.5	81.0			32227	.001
Q.V.Z. 50% Q.V.Z. 40%		than previous - increase of sulphides at end of box. (~1.3%)						
disruptive veining,			81.0	82.5			32228	.001
almost brecciated vuggy + Tr py.		footwall vein zone is less silicified than previous, minor calcareous horizons along bedding.						

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. E6-32A SHEET No. 5 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 11 52.4 - 56.6	82.5	84.0			32229	.001
calcareous horizons		Knotted Phyllite, black groundmass with calcareous siltstone						
		1-2% sulphides	84.0	85.5			32230	.001
85								
			85.5	87.0			32231	.001
		Box 12 86.6 - 90.7						
		Knotted Phyllite similar to	87.0	88.5			32232	.001
fuliferous horizon? Sericite, pale green talcy alteration. 10% veining with several percent sulphides		above, increased veining and alteration.						
			88.5	90.0			32233	.001
Q.V., carbonate 3% bg; Tr cpy								
Q.V.Z. 20% very altered, black groundmass. Tr cpy, Arsenic 3-5% sulphides		Box 13 90.7 - 94.4	90.0	91.5	95%		32234	.001
		Black Knotted Phyllite, more						
		carbonaceous than previous, with						
calcareous horizons		calcareous siltstone horizons.	91.5	92.5	90%		32235	.001
fractures @ 10° C.A.								
	50 S.							
	40°							

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 96-32A SHEET No. 6 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 95%, low sulphide content			92.5	93.5			32236	.002
Q.V.Z. 20%			93.5	94.4			32237	.001
footwall 5% sulphides carbonate + sericite			94.4	95.4			32238	.001
		Box 14 94.4 - 95.6						
Q.V. hanging wall sulphide arch 95		Knotted Phyllite, very silicified						
			95.4	96.3	90%		32239	.001
K.P.			96.3	97.5			32240	.001
2-3% sulphides		96.9 → End of Box. -10-15% Quartz carbonate veining - 1-2% sulphides						
Si 20°		97.0 - silica blue sulphide in vein	97.5	99.0			32241	.001
Slightly calcareous		Box 15 96.6 - 103.0						
Q.V. 5cm. carbonate		Knotted Phyllite, minor	99.0	100.5'			32242	.001
Q.V. 5cm. chlorite, pyrite 100		veining, chlorite in some veins.						
KP			100.5'	102.0			32243	.001
Si/Sr Ca								
Tr. diss sulphide KP								
			102.0	103.5'			32244	.006
Q.V. 10cm. carbonate chlorite, pyl/po.								
Q.V. 10cm. carbonate		Box 16 103.0 - 107.6						
		Knotted Phyllite, with	103.5'	105.0	70%		32245	.001
Q.V., carbonate, pyrite		veining, graphitic + carbonaceous with						
QV. (80%)		broken core & limey horizons						
Similar to above		near veins						

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. 86-32A SHEET No. 7 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/tm
104								
3% sulphides in places			105.0	106.5	90%		32246	.002
white alteration around knots			106.5'	106.0			32247	.001
and bar more silicified		Box 17 107.6 - 111.6						
		Knotted Phyllite, massive non-veined, carbonaceous groundmass	106.0	109.5'			32246	.001
	XXX		109.5'	111.0			32249	.001
110		1-2% sulphides						
	X X X X X		111.0	112.5'			32250	.001
	Sol S1	Box 16 111.6 - 115.7						
	70°	Knotted Phyllite, with veining and alteration (possibly hydrothermal) zone	112.5	114.0			32251	.001
Q.V.Z. 50%, py/po to 5%, with [illegible] sericite								
			114.0	115.5'			32252	.001
115								
		Box 19 115.7 - 119.9	115.5'	117.0			32253	.001

DIAMOND DRILL RECORD

PROPERTY Flashflood HOLE No. 86-32A SHEET No. 8 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
Q.V.Z. 15-20%, wisps pyrite, some veins 10-20° C.A.			117.0	116.5'			32254	.001
Q.V. 5cm. 90° C.A. 90 S. 50°		increase in sulphides from Trace to 2-3% towards phyllite	116.5	120.0			32255	.001
120		Box 20 119.9 - 123.8 Volcaniclastic to 122.2 Sulphide & veining	120.0	121.5			32256	.001
		pale grey beige groundmass with feldspar? porphoblasts to .5cm. up to 20% veining in places	121.5	122.7			32257	.001
Q.V.Z. 30%, 3-5% Sulphides			122.7	124.5			32258	.001
1-2% sulphides.	KP	Box 21 123.8 - 128.0 Kinked phyllite, silicified.	124.5	126.0			32259	.006
Q.V.Z. 40%, sulphides +carbonate 115'		black carbonaceous groundmass well veined.						
1-2% diss. sulphides			126.0	127.5			32260	.001
Q.V.Z. 80%, Fe carbonate								
Q.V.Z. 60% similar to above, Trace chlorite								
Q.V.Z. 40%, carbonaceous groundmass calcite, chlorite			127.5	128.0			32261	.002
Q.V.Z. 70% as above, more chloritic S. 60								

DIAMOND DRILL RECORD

PROPERTY Frasergold HOLE No. 86-32A SHEET No. 9 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
125		Box 22 125.0 - 132.1						
		Knotted Phyllite, carbonaceous	125.0	130.5			32262	.127
130								
			130.5	132.0			32263	.003
Q.V.Z. 80% Chlorite, py/po								
		Box 23 132.1 - 136.5	132.0	133.5			32264	.007
Q.V.Z., graphite contact carbonate, py/po		Black carbonaceous phyllite, faintly visible knots						
		90-70						
Q.V. Scan. py/po TR cpy.			133.5	135.0			32265	.006
		Q.V.Z. 80%.						
Q.V.Z. 60% graphitic carbonatic		Carbonaceous phyllite						
135			135.0	136.5			32266	.005
Volcanic tuff								
very broken, 10% veining, 3-5% sulphides								
		Box 24 136.5 - 140.4	136.5	135.0			32267	.005
		Black carbonaceous phyllite						
		gradational contact to black						
		knotted phyllite at end of box	135.0	139.5			32268	.001
Q.V., pyrite, carbonate								
			139.5	141.0			32269	.006
140								

DIAMOND DRILL RECORD

PROPERTY Fishergold HOLE No. FG-32A SHEET No. 10 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
140								
	S. 45	Box 25 140.4 - 144.6.						
Q.V.Z. 20%, carbonate, sulphides		Black carbonaceous phyllite, faint knots visible in places - core is well silicified	141.0	142.5'			32270	.004
			142.5	144.0			32271	.006
Q.V. - 5-8% Py/Po in footwall								
			144.0	145.0			32272	.001
		Box 26 144.6 - 149.0						
145		Black carbonaceous phyllite,						
Q.V. - similar to above graphite contacts, chlorite		very faint knots visible, well silicified	145.0	146.0			32273	.006
			146.0.	147.6			32301	.031
Q.V. with carbonate as above		Tr Cp_y - wispy,	147.5	146.5'			32274	.102
Q.V.Z. 25% almost brecciated		147.4 Tr. V.G. several specks (pinheads)						
Fe carbonate, minor chlorite 5-6% Py/Po		0.5m 1.0x1.5mm. with Q.V.						
Black, carbonaceous	So 90		146.5'	150.0			32275	.059
sulphides (Py/Po) to 6% up to 10% veining	S. 45	Box 27 149.0 - 153.2						
150		Black carbonaceous phyllite	150.0	151.5'			32276	.043
tightly folded in places		faintly banded in places very silicified + sulphide rich in places						
Q.V. carbonate, Py, Po.			151.5	153.0			32277	.022
Q.V. carbon Tr sericite + chlorite	So 90 S. Co	~ siliceous (lighter coloured) bands/zones show So						

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. SG-32A SHEET No. 11 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 26 153.2 - 157.4	153.0	154.5			32278	.001
		Black carbonaceous phyllite thru to black laminated phyllite						
			154.5	156.0			32279	.001
Q.V.Z. 60% ps/po carbonate, chlorite 155								
footwall veining 0°CA.								
Q.V.Z. 30-40% in black carbon groundmass carbonate, chlorite + sulphides			156.0	157.8			32280	.001
Q.V. 95% carbonate, 1-3% ps/po less than previous		Box 29 157.4 - 161.5	157.8	159.0			32281	.001
Q.V. increase carbonate + sulphides hangingwall		Black carbonaceous phyllite very well veined,						
Q.V.Z. 10% 5% sulphides, disruptive			159.0	160.5			32282	.002
bedding 30-90° C.A. 160		30 90						
chloritic in places			160.5	161.2			32283	.050
Q.V., massive carbonate rich footwall ~5-8% ps/po								
core is banded		50 60						
		Box 30 161.5 - 166.1	161.2	162.0			32284	.007
		Black silicified phyllite thru to laminated phyllite	162.0	163.5			32285	.016
		3-5% sulphides in groundmass decrease near end of box.						
		9 veins 1-5cm. with Trace carbonate, chlorite and ps/po	163.5	165.0			32286	.001
164								

DIAMOND DRILL RECORD

PROPERTY Fraser Gold HOLE No. 86-32A SHEET No. 12 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
			165.0	166.5'			32287	.001
		Box 31 166.1 - 180.4						
	Si 50	Black carbonaceous phyllite massive with some knots still visible - Tr - 1% diss. sulphides	166.5'	166.0			32288	.001
	So 90		166.0	169.5'			32289	.001
fractures 30° C.A.	Si 50	crenulated & tightly folded						
Quartz carbonate veinlets, Tr py and arsenopyrite			169.5	171.0			32290	.001
faint knots 170		Box 32 170.4' - 174.7						
	Si 50	So. 0° C.A. Black carbonaceous (massive)						
		Phyllite, minimal quartz veining	171.0	172.5'			32291	.001
	So 60°	parallel to So.						
	Si 50° K.P.	~ core is banded in places						
			172.5'	174.0			32292	.001
Q.V. massive carbonate, 1-2% py Tr Cpy, + sericite			174.0	175.5'			32293	.001
Q.V.Z. 30% 175 carbonate rich, vuggy chloritic, euhedral Pyrite crystals minor py			175.5'	177.0			32294	.001
Q.V. 60% quartz carbonate								
Sulphide content decreasing from higher in hole								

DIAMOND DRILL RECORD

PROPERTY Fiaseogold HOLE No. 86-32A SHEET No. 13 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/t
175		Box 33 174.7-176.5						
		Black massive carbonaceous phyllite with knotted sections	177.0	178.5			32295	.001
Q.V.Z. 70% carbonate + chlorite similar to above								
Q.V.Z. 20-30%		sericite/graphitic contacts.						
chlorite, carbonate vuggy with marcasite			178.5	180.0			32296	.001
footwall almost brecciated, Tr cpy increase in po.	Sо S1 75	Box 34 176.5-182.6						
180		Black carbonaceous phyllite, disruptive bedding near ore zone	180.0	181.5			32297	.002
	KF	bleached in places, gradational to knotted phyllite near end box.						
			181.5	183.0			32298	.004
	Sо S1 78	increase sulphides (py+po) to 4% near end box.						
Q.V.Z. 15%		bottom box is silicified.	183.0	184.5			32299	.005
5-8% sulphides groundmass carbonate + chloritic								
		Box 35 182.6-187.2						
		Black massive phyllite (silicified + carbonaceous) to black knotted phyllite.	184.5	186.0			32300	.002
185								
Q.V. carbonate, Py/po Tr cpy			186.0	187.5			32302	.001

DIAMOND DRILL RECORD

PROPERTY Fiaseexgold HOLE No. 86-32A SHEET No. 14 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
167		Box 36 167.2 - 191.2	167.5	169.0			32303	.002
Q.V.Z. 50% Tr sulphides, carbonate.		Black knotted Phyllite (banded)						
Q.V.Z. 40% chlorite, Tr Cpy.		through to black carbonaceous	169.0	170.5'			32304	.003
	K	phyllite						
Q.V.Z. as above. 170		~ very highly sheared at end						
broken, graphitic with Q. veining		of box.	170.5	171.0			32305	.001
		Box 37 171.2 - 195.0						
		Black banded Phyllite (knots still						
		visible) ~ with siliceous horizons	192.0	193.5'			32306	.001
	So S1 40°	showing banding.						
		3-5% diss. py/po.						
			193.5'	195.0			32307	.023
fracture 0-10° C.A.								
195		Box 36 195.0 - 199.25	195.0	196.5			32308	.223
Q.V.Z. 25%.		Black knotted phyllite						
Black knotted phyllite groundmass. 5-8% sulphides. Silicified		well veined ~ 70-75° to C.A.	196.5	198.0			32309	.035
		197.5 - knotted thru to black massive						
broken + graphitic		phyllite	198.0	199.5'			32310	.011
Q.V.Z. 80% carbonate py/po								
	S1 65 So 70							

DIAMOND DRILL RECORD

PROPERTY Fiaseroold HOLE No. E6-32A SHEET No. 15 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
199		Box 39 189.25 - 203.6	199.5'	201.0			32311	.015
Q.V.Z. 20%		Black knotted Phyllite silicified carbon arch and well banded in places						
			201.0	202.5'			32312	.002
		5-7% sulphides in stringers in places.						
			202.5	204.0			32313	.001
Q.V.Z. 80%, 4-5% py.								
	30 Si 70°	Box 40 203.6 - 207.9						
		Black massive (banded) phyllite,	204.0	205.5'			32314	.001
very graphitic, highly folded horizon 205		knotted in places & very graphitic						
		banded & knotted sections intrastratified	205.5'	207.0			32315'	.001
Q.V.Z. 20% silicified 3-5% sulphides slightly chloritic								
			207.0	208.5'			32316	.006
	50 60							
Q.V.Z. 20%.		Box 41 207.9 - 212.0						
5-8% sulphides in some veins. minor carbonate + graphitic contacts.		Black massive phyllite, banded with some knotted sections	208.5'	210.0			32317	.001
Q.V.Z. 80%								
with calcite, 5-8% sulphides 210° along contacts			210.0	211.5'			32318	.001
footwall black v.f.g. siltstone. Tr sulphides.		210.5 onwards - black calcareous with black banded phyllite						

DIAMOND DRILL RECORD

PROPERTY Fishermold HOLE No. 86-32A SHEET No. 16 of 16

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS Au g/ton
		Box 42 - 212.0 - 212.7	211.5	212.7			32319	.001
		black carbonaceous - black colcareous phyllite ~5% veining						
212.7		E.O.H. parallel to Sol's. (70°C.A)						
		no sulphides in groundmass.						
		Sludge Samples.	81.7	84.6				.001
			84.6	87.6				.001
			87.6	90.6				.001
			96.9	99.9				.001
			157.2	160.4				.015
			160.4	163.4				.049
			163.4	166.6				.034
		191.5 - 194.5 - 0.019.	166.6	169.6				.022
			169.6	172.6				.018
			172.6	175.9				.020
			175.9	179.0				.021
			179.0	182.0				.032
			182.0	185.4				.029
			185.4	188.4				.030
			188.4	191.5				.017

APPENDIX II

Report Coastech Research

COASTECH RESEARCH INC.

16 December 1986

Mr. J. Kerr
Eureka Resources, Inc.
837 Cordova Street
Vancouver, B.C.
V6A 3R2

Dear John,

Further to our telephone conversation today I offer the following addendum to my letter of 15 December regarding pilot operations at the Frasergold exploration site:

(i) a lease arrangement for the pilot circuit described, approximately 2 tonnes per hour capacity, including diesel power supply would be feasible for Coastech to supply. A lease contract between Coastech and Eureka for not less than 3 months would be required to warrant mobilization of the pilot circuit. The cost for leasing would approximate $60 - 70,000 per month, excluding pilot circuit delivery and removal.

(ii) the operating costs for labour and consumables, for the mineral processing pilot circuit only, might approximate $750 - 1000 per day, for the 2 tonne per hour pilot circuit. Actual operating costs will largely depend on defining unknowns such as tailing permit constraints, labour and camp rates, fuel costs, available site equipment for muck haulage, and other details of operation not presently defined.

Please note that this is not a quotation. The scope of the operation must be more precisely defined, including parameters itemized above as well as those previously described, to provide an exact estimate of costs.

To arrange mobilization of the pilot circuit, operating personnel, and permitting, a decision by mid to late January is required to initiate the pilot circuit project. Please contact me at your earliest convenience should you wish to pursue the pilot project.

Yours very truly,
COASTECH RESEARCH INC.

P. Brad Marchant
Director of Research

869 West Third Street
North Vancouver, B.C., Canada V7P 1E2
Telephone: (604) 980-5992 Telex: 04-352888

COASTECH RESEARCH INC.

15 December 1986

Mr. John Kerr
Eureka Resources
837 Cordova Street
Vancouver, B.C.
V6A 3R2

Dear John,

Further to our telephone conversation last week. I offer the attached cost estimate for a skid mounted pilot circuit for field operation of your Frasergold property. The estimate is preliminary and thus the large contingency allowance indicated. Additional details that are required prior to exact sizing of the pilot plant equipment and detailed cost estimation include:

(i) maximum hourly throughput expected,
(ii) crushability and grindability work index data, and optimum primary grind size (bulk sample available for these tests),
(iii) power and water availability at the site,
(iv) tailings disposal details and waste classification,
(v) moisture content and size distribution of adit material.

The estimate attached was based on:

80 tonnes per day sample muck
20 tonnes per day sub-sample
10 hours per day pilot operation
2 tonnes per hour pilot circuit

The pilot circuit consists of: sub-sampling and waste disposal, crushing, grinding, classification, gravity scalping, scavenger flotation, concentrate filtration/ sampling/ storage.

869 West Third Street
North Vancouver, B.C., Canada V7P 1E2
Telephone: (604) 980-5992 Telex: 04-352888

Note that Coastech can supply the operating supervision for the pilot circuit throughout the test run. Coastech would supply all of the skid-mounted pilot equipment either on a lease arrangement or purchase agreement with Eureka. If you are operating less than 3 months I would recommend leasing. It might be prudent to consider running an 80 tpd pilot circuit, 24 hours per day. The incremental capital cost would be surprisingly low. This plant might realize an operating profit after 6 months operation, including capitalization. We could just as easily supply this size plant. Please contact me should require additional information at this time.

Yours very truly,
COASTECH RESEARCH INC.

P. B. Marchant
Director of Research

Attachment

PBM/lo

EUREKA RESOURCES LTD.

FRASERGOLD PILOT PLANT ESTIMATE

ITEM	NO.REQ'D	DESCRIPTION	INSTALLED $ CDN
1	1	Sampling grizzly - 80 tpd capacity	6500
2	1	Primary crusher - 2 tph capacity c/w drive	38000
3	1	Secondary crusher - 2 tph capacity c/w drive	15000
4	3	Feed conveyors - 25 cm wide c/w drive	12000
5	1	Ball mill c/w ball charge, liners, drive, cyclone, cyclone feed pump - 2 tph capacity	87700
6	2	Reichert sprial separators c/w concentrate filter/sampler, tailing pump, feed distributor	28500
7	1	Rougher bulk flotation unit c/w launders, drive, mechanisms, level control, air blower	29000
8	1	Cleaner bulk flotation unit c/w launders, drive, mechanisms, level control	6700
9	1	Tailing pump c/w drive	3000
10	1	Cleaner tailing pump c/w drive	3000
11	-	Miscellaneous bins, chutes, vessels	8900
12	-	Reagent system c/w pumps, agitators	4800
13	-	Electrical, Instrumentation	22000
14	-	Interconnecting piping	3000
15	-	Engineering and equipment procurement	16000
16	-	Contingency @ 25%	71000
		TOTAL	355125

Estimate includes delivery to site and commissioning for skid-mounted units.
Estimate does not include operating costs, power supply, water supply or site preparation and services.

EUREKA RESOURCES

EUK 86 BULK SAMPLE
EXPLORATORY METALLURGICAL
TEST SUMMARY

Prepared by

COASTECH RESEARCH INC.
869 West Third Street
North Vancouver
B.C.
V7P 1E2

Testwork Conducted by:

L. M. Summers, B.A.Sc.
Research Metallurgist

Reviewed and Approved by:

P. B. Marchant, M.A.Sc.
Director of Research

1.0 INTRODUCTION

In July/August 1986 the following samples were received at Coastech Research from Eureka Resources, Inc. for metallurgical testwork:

Eureka Bulk	86-7-1
"	86-7-2
"	86-9-16
"	86-9-17
"	86-9-19
"	86-10-24
"	86-10-25
"	86-10-26
"	86-12-2
"	86-12-2A
"	86-12-5
"	86-13-5

Drill Cuttings:

Eureka 86-2	109.5 - 111.0
"	111.0 - 112.5
"	133.5 - 135.0
"	135.0 - 136.5

The planned scope of the work included sample preparation and head assay to determine total gold content of each sample. Bulk gravity concentration piloting and cyanidation was conducted on selected samples to confirm Au head assays and provide a preliminary indication of a process method to pursue to effectively recover the contained gold.

2.0 METHODS

2.1 Sample Preparation

Sample preparation and head assaying was conducted on Eureka Bulk samples listed previously with the exception of samples 86-8-16 and 86-10-26.

Each bulk sample was air dried, jaw crushed to -125mm, coned and quartered to remove one eighth of the total sample. This fraction was further reduced to -6mm, coned, quartered and subsampled. The subsample was then riffled into eight 2 kg samples, labelled A1 through A8, for gold head assay (by fire assay).

To confirm head assay results, repeat assays on the eight subsamples (A1 through A8) of the bulk samples listed below were conducted as follows:

EUK 86-7-2	A1 to A8 - fire repeat A1 to A4 - metallics A4 to A8 - fire repeat ie: 12 fire assays + four metallics
EUK 86-9-17	same as above
EUK 86-9-19	same as above
EUK 86-12-2	same as above
EUK 86-12-2A	same as above
EUK 86-7-1	same as above

The four drill core cuttings were composited into 2 composites as follows:

i) Eureka 86-2 "109.5 - 111.0" and "111.0 - 112.5"

ii) Eureka 86-2 "133.5 - 135.0" and "135.0 - 136.5"

hereafter referred to as EUK 86-2 109.5 and EUK 86-2 133.5 respectively. Each composite was subsampled into 8 samples for head assay.

2.2 Gravity Concentration

Gravity concentration by shaking table was conducted on samples EUK 86-2 109.5, EUK 86-2 133.5, and EUK 86-12-2A. The entire samples of composites EUK 86-2 109.5 and 133.5 were tabled and one half of sample EUK 86-12-2A was tabled. All samples required grinding in a laboratory rod mill at 60% solids to approximately 80% passing 65 mesh (210 um) prior to tabling. For each test a gold/sulphide concentrate was collected and the tailing product sampled for assay.

2.3 Cyanidation

Each of the gravity concentrates were reground in a laboratory rod mill prior to cyanidation. Each of the 3 gravity concentrates was leached in a stirred reactor vessel at 30% solids in the presence of lime (pH 11.0) and sodium cyanide (1 g/L). Leach pulps were monitored periodically for reagent adjustment and sampled for assay. Final leach pulps were filtered, residues washed, dried and sampled for Au assay. Pregnant solutions were also assayed.

3.0 RESULTS

A summary of the Au head assay statistics of each sample is provided in Table 1. Complete assay reports are appended.

Table 2 summarizes the recovery of gold for the gravity concentration and cyanidation testwork on the 3 samples EUK 86-2 109.5, 133.5 and 86-12-2A. Complete metallurgical balances are appended.

Interim samples taken during the cyanidation of the table concentrates of EUK 86-12-2A and EUK 133.5 were assayed for Au. Extraction profiles were calculated and are provided in Figures 1 and 2.

TABLE 1

SAMPLE		HEAD ASSAY Au (g/t) mean (x)	standard dev's	ASSAY METHOD
86-10-25	A1 - A8	2.11	.99	fire
86-12-5	A1 - A8	1.69	.38	fire
86-13-5	A1 - A8	.04	.02	fire
86-10-24	A1 - A8	.08	.06	fire
86-7-2	A1 - A8	2.08	1.26	fire
		1.81	1.18	fire (repeat)
	A5 - A8	1.82	0.59	fire (repeat)
	A1 - A4	2.00	1.14	metallics
86-9-17	A1 - A8	1.05	0.30	fire
		1.04	0.11	fire (repeat)
	A5 - A8	1.24	0.44	fire (repeat)
	A1 - A4	1.06	0.21	metallics
86-9-19	A1 - A8	4.20	2.08	fire
		2.30	1.76	fire (repeat)
	A5 - A8	2.56	1.87	fire (repeat)
	A1 - A4	3.25	1.23	metallics
86-12-2	A1 - A8	4.71	6.62	fire
		3.65	1.94	fire (repeat)
	A5 - A8	2.72	2.00	fire (repeat)
	A1 - A4	5.76	6.63	metallics
86-12-2A	A1 - A8	16.49	9.84	fire
		16.36	9.00	fire (repeat)
	A5 - A8	17.48	11.86	fire (repeat)
	A1 - A4	20.07	10.31	metallics
86-7-1	A1 - A8	3.56	1.63	fire
		3.49	1.59	fire (repeat)
	A5 - A8	4.01	2.28	fire (repeat)
	A1 - A4	2.70	0.33	metallics
EUK 109.5 (composite)	A1 - A8	16.39	5.85	fire
EUK 133.5 (composite)	A1 - A8	2.40	0.58	fire

TABLE 2

SUMMARY OF GRAVITY/CYANIDATION RESULTS

SAMPLE	PRODUCT	ASSAY g/t Au	% DISTRIBUTION
EUK 109.5	TABLE CONC.	1061.0	52.3
	TABLE TAIL	6.45	47.7
	PREG. SOLUTION (25hr)	306.09 (mg)	68.9
	LEACH RESIDUE	138.46 (mg)	31.1
	CALC. HEAD (ORE)	13.43	
EUK 133.5	TABLE CONC.	10.89	9.2
	TABLE TAIL	2.40	90.8
	PREG SOLUTION (48hr)	14.24 (mg)	93.9
	LEACH RESIDUE	0.92 (mg)	61.1
	CALC. HEAD (ORE)	2.56	
EUK 86-12-2A			
	TABLE CONC.	213.15	54.9
	TABLE TAIL	5.55	45.1
	PREG. SOLUTION (48 hr)	196.90 (mg)	91.2
	LEACH RESIDUE	19.01 (mg)	8.8
	CALC. HEAD (ORE)	11.92	

FIGURE 1

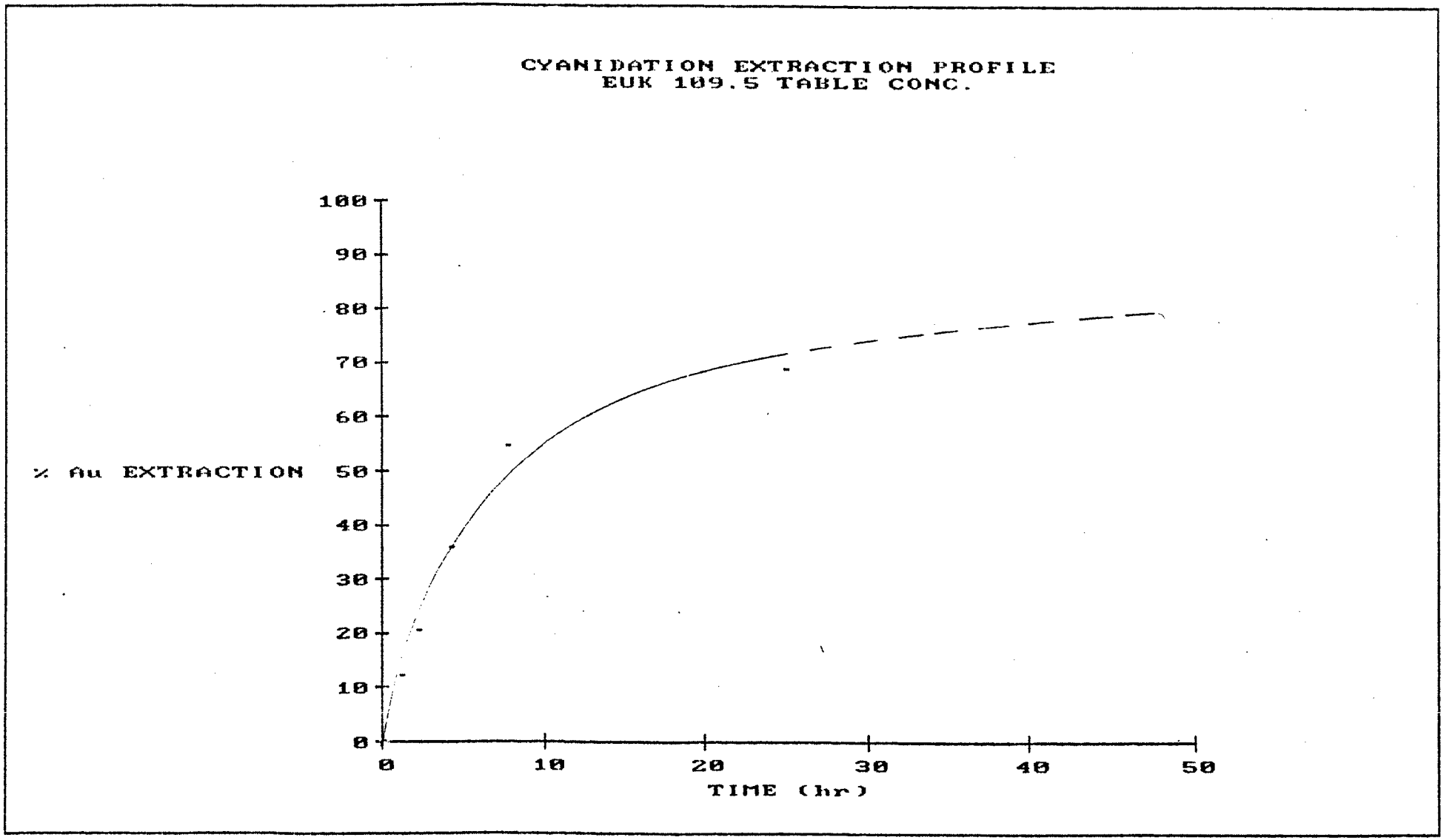
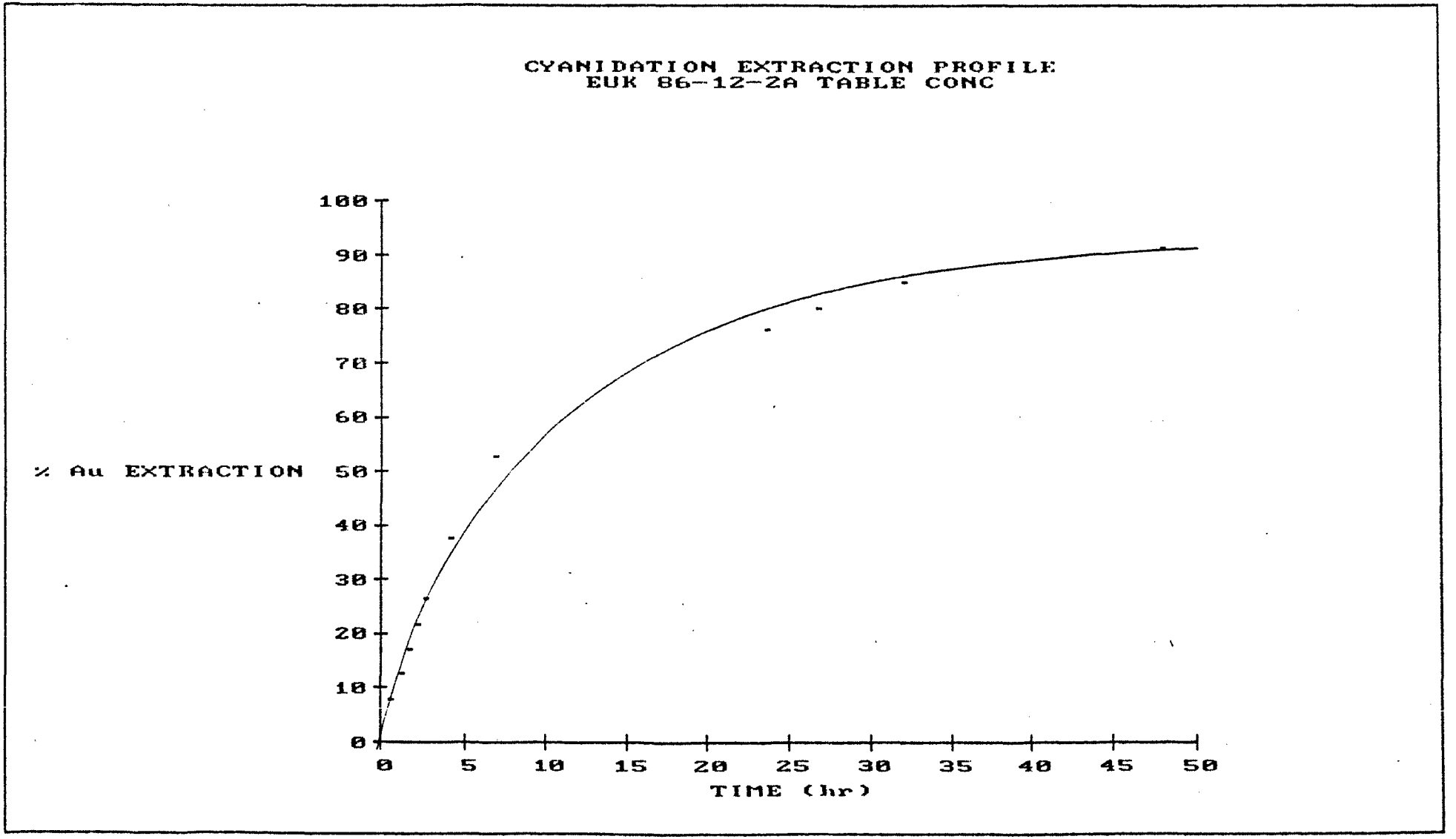

CYANIDATION EXTRACTION PROFILE
EUK 109.5 TABLE CONC.
% Au EXTRACTION
100
90
80
70
60
50
40
30
20
10
0
0
10
20
30
40
50
TIME (hr)

FIGURE 2


CYANIDATION EXTRACTION PROFILE
EUK 86-12-2A TABLE CONC
% Au EXTRACTION
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
TIME (hr)

4.0 DISCUSSION OF RESULTS

As shown in Table 2, gold recovery to the gravity concentrates was better for the higher grade samples EUK 109.5 and EUK 86-12-2A at 52.3% and 54.9% respectively. Recovery to the lower grade sample, EUK 133.5, was low at 9.2%. This suggests there may fine free gold in the sample which was not recovered in the gravity apparatus.

Gold recovery to the gravity concentrates might be improved by increased liberation, ie. a finer primary grind.

Cyanidation of two of the gravity concentrates was very successful, recovering at least 90% of the contained gold after 48 hours. As shown in Figure 1, the 48 hour extraction data for sample EUK 109.5 was estimated by extrapolation of the extraction profile curve to be approximately 78%. Continued cyanidation would probably result in gold extraction >90%.

As shown in Figures 1 and 2, gold extraction was incomplete at the termination of the leach. A longer leach duration would probably improve gold recovery. Again, there might be particle size limitations thereby slowing the dissolution rate. It should also be noted that there may be a slight preg-robbing effect due to a graphitic constituent in the ore.

The assayed sample heads and sample head calculated from the gravity/cyanidation testwork are comparable within the limits of standard deviation:

SAMPLE	ASSAYED Au (g/t) mean	std. dev.	CALCULATED Au (g/t) Conc./CN
EUK 109.5	16.39	5.85	13.43
EUK 133.5	2.40	0.58	2.56
EUK 86-12-2A	16.49	9.84	11.92

5.0 CONCLUSIONS AND RECOMMENDATIONS

Consideration of the results presented in Section 4 shows the gold head assays by fire were comparable to the bulk sample back calculated head assays for the three samples tested. Based on these results, it is indicated that a satisfactory estimate of the bulk sample gold head assay can be calculated from fire assaying representative subsamples of the bulk sample. Further assaying and repeat assays could be considered to confirm the significance of the fire assay results.

Based on the results presented herein, it is indicated that maximum gold recovery cannot be achieved by gravity concentration alone. The presence of fine free gold in the samples is indicated. Any fine or flaky free gold will not be recovered in a gravity circuit.

It is recommended that a froth flotation stage be considered to recover gold which would be lost to a gravity tail product, notably fine free gold.

Some gold loss to the gravity tailing might be due to insufficient liberation and gold recovery might be improved with finer primary grinding.

Gold recovery by cyanidation of a gravity concentrate from the sample tested can be expected to be at least 90% and might be improved with increased leach duration and liberation. There is no indication of a refractory characteristic to cyanidation.

Thus it is recommended that the following process alternatives be considered to maximize gold recovery from this ore:

i) a combination of gravity concentration, froth flotation and cyanidation,

ii) direct cyanidation of the ore, including carbon-in leach technology.

APPENDIX 1

TEST DATA

GRAVITY CONCENTRATION & CYANIDATION METALLURGICAL BALANCES

SAMPLE: EUK 109.5

I GRAVITY CONCENTRATION

PRODUCT	WT(kg)	WT %	Au(g/t)	% DISTRIBUTION
FEED	63.30	100.0	13.43*	
TABLE CONC.	0.42	0.7	1061.0*	52.3
TABLE TAIL	62.88	99.3	6.45	47.7
ASSAYED HEAD (mean)			16.39	
(standard deviation)			5.85	

II CYANIDATION OF TABLE CONC.

PRODUCT		Au (mg)	% DISTRIBUTION
FEED		444.55*	
PREG. SOL'N	1 hr	53.22	12.0
	2 hr	90.33	20.3
	4 hr	158.61	35.7
	7.5 hr	242.46	54.5
	24 hr	306.09	68.9
RESIDUE		138.46	31.1

* calculated Au assay values

GRAVITY CONCENTRATION & CYANIDATION
METALLURGICAL BALANCES

SAMPLE: EUK 133.5

I GRAVITY CONCENTRATION

PRODUCT	WT(kg)	WT %	Au(g/t)	% DISTRIBUTION
FEED	64.50	100.0	2.56*	
TABLE CONC.	1.39	2.2	10.89*	9.2
TABLE TAIL	63.11	97.8	2.40	90.8
ASSAYED HEAD (mean)			2.40	
(standard deviation)			0.58	

II CYANIDATION OF TABLE CONC.

PRODUCT	Au (mg)	% DISTRIBUTION
FEED	15.12*	
PREG. SOL'N	14.24	93.9
RESIDUE	0.92	6.1

* calculated Au assay values

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of ASSAY

Company:COASTECH RESEARCH INC.
Project:P.O. 283
Attention:BRAD MARSHALL

File:6-606/P1
Date:AUGUST 16/86
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
EUK BULK 86-7-2 A1	1.22	0.036
EUK BULK 86-7-2 A2	1.30	0.038
EUK BULK 86-7-2 A3	1.28	0.037
EUK BULK 86-7-2 A4	4.95	0.144
EUK BULK 86-7-2 A5	1.50	0.044
EUK BULK 86-7-2 A6	2.35	0.069
EUK BULK 86-7-2 A7	1.50	0.044
EUK BULK 86-7-2 A8	2.55	0.074
EUK BULK 86-13-5 A1	.05	0.001
EUK BULK 86-13-5 A2	.04	0.001
EUK BULK 86-13-5 A3	.01	0.001
EUK BULK 86-13-5 A4	.03	0.001
EUK BULK 86-13-5 A5	.05	0.001
EUK BULK 86-13-5 A6	.02	0.001
EUK BULK 86-13-5 A7	.05	0.001
EUK BULK 86-13-5 A8	.04	0.001
EUK BULK 86-9-17 A1	.76	0.022
EUK BULK 86-9-17 A2	1.35	0.039
EUK BULK 86-9-17 A3	.87	0.025
EUK BULK 86-9-17 A4	1.06	0.031
EUK BULK 86-9-17 A5	1.55	0.045
EUK BULK 86-9-17 A6	.70	0.020
EUK BULK 86-9-17 A7	.89	0.026
EUK BULK 86-9-17 A8	1.20	0.035
EUK BULK 86-9-19 A1	.75	0.022
EUK BULK 86-9-19 A2	6.20	0.181
EUK BULK 86-9-19 A3	1.65	0.048
EUK BULK 86-9-19 A4	1.95	0.057
EUK BULK 86-9-19 A5	2.30	0.067
EUK BULK 86-9-19 A6	4.70	0.137

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EUK BULK 86-7-2 A3	1.28	0.037
EUK BULK 86-7-2 A4	4.95	0.144
EUK BULK 86-7-2 A5	1.50	0.044
EUK BULK 86-7-2 A6	2.35	0.069
EUK BULK 86-7-2 A7	1.50	0.044
EUK BULK 86-7-2 A8	2.55	0.074
EUK BULK 86-13-5 A1	.05	0.001
EUK BULK 86-13-5 A2	.04	0.001
EUK BULK 86-13-5 A3	.01	0.001
EUK BULK 86-13-5 A4	.03	0.001
EUK BULK 86-13-5 A5	.05	0.001
EUK BULK 86-13-5 A6	.02	0.001
EUK BULK 86-13-5 A7	.05	0.001
EUK BULK 86-13-5 A8	.04	0.001
EUK BULK 86-9-17 A1	.76	0.022
EUK BULK 86-9-17 A2	1.35	0.039
EUK BULK 86-9-17 A3	.87	0.025
EUK BULK 86-9-17 A4	1.06	0.031
EUK BULK 86-9-17 A5	1.55	0.045
EUK BULK 86-9-17 A6	.70	0.020
EUK BULK 86-9-17 A7	.89	0.026
EUK BULK 86-9-17 A8	1.20	0.035
EUK BULK 86-9-19 A1	.75	0.022
EUK BULK 86-9-19 A2	6.20	0.181
EUK BULK 86-9-19 A3	1.65	0.048
EUK BULK 86-9-19 A4	1.95	0.057
EUK BULK 86-9-19 A5	2.30	0.067
EUK BULK 86-9-19 A6	4.70	0.137

*Certified by*_____

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Certificate of ASSAY

Company:COASTECH RESEARCH INC.
Project:P.O. 283
Attention:BRAD MARSHALL

File:6-606/P2
Date:AUGUST 16/86
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
EUK BULK 86-9-19 A7	.82	0.024
EUK BULK 86-9-19 A8	3.38	0.099
EUK BULK 86-10-24 A1	.09	0.003
EUK BULK 86-10-24 A2	.06	0.002
EUK BULK 86-10-24 A3	.03	0.001
EUK BULK 86-10-24 A4	.06	0.002
EUK BULK 86-10-24 A5	.02	0.001
EUK BULK 86-10-24 A6	.21	0.006
EUK BULK 86-10-24 A7	.08	0.002
EUK BULK 86-10-24 A8	.12	0.004
EUK 86 BULK 86-12-2 A1	21.00	0.613
EUK 86 BULK 86-12-2 A2	1.83	0.053
EUK 86 BULK 86-12-2 A3	3.10	0.090
EUK 86 BULK 86-12-2 A4	1.38	0.040
EUK 86 BULK 86-12-2 A5	1.95	0.057
EUK 86 BULK 86-12-2 A6	3.06	0.089
EUK 86 BULK 86-12-2 A7	2.20	0.064
EUK 86 BULK 86-12-2 A8	3.15	0.092
EUK BULK 86-12-2A A1	14.90	0.435
EUK BULK 86-12-2A A2	32.70	0.954
EUK BULK 86-12-2A A3	6.40	0.187
EUK BULK 86-12-2A A4	15.30	0.446
EUK BULK 86-12-2A A5	5.80	0.169
EUK BULK 86-12-2A A6	29.00	0.846
EUK BULK 86-12-2A A7	17.40	0.508
EUK BULK 86-12-2A A8	10.40	0.303
EUK BULK 86-7-1 A1	2.75	0.080
EUK BULK 86-7-1 A2	2.63	0.077
EUK BULK 86-7-1 A3	1.98	0.058
EUK BULK 86-7-1 A4	2.87	0.084

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Certificate of ASSAY

Company:COASTECH RESEARCH INC.
P.O. 283
Attention:BRAD MARSHALL

File:6-606/P3
Date:AUGUST 16/86
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
TUK BULK B6-7-1 A5	6.00	0.175
TUK BULK B6-7-1 A6	4.35	0.127
TUK BULK B6-7-1 A7	2.03	0.059
TUK BULK B6-7-1 A8	5.85	0.171

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Certificate of ASSAY

Company:COASTECH RESEARCH INC.
Project:P.O. 134
Attention:B.MARSHALL

File:A6-756
Date:SEPT 11/86
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
EUK-BULK-86-10-25-A1	3.05	0.089
EUK-BULK-86-10-25-A2	1.05	0.031
EUK-BULK-86-10-25-A3	2.85	0.083
EUK-BULK-86-10-25-A4	3.39	0.099
EUK-BULK-86-10-25-A5	2.63	0.077
EUK-BULK-86-10-25-A6	1.20	0.035
EUK-BULK-86-10-25-A7	1.55	0.045
EUK-BULK-86-10-25-AB	1.14	0.033
EUK-BULK-86-12-5-A1	1.26	0.037
EUK-BULK-86-12-5-A2	1.37	0.040
EUK-BULK-86-12-5-A3	1.56	0.046
EUK-BULK-86-12-5-A4	1.58	0.046
EUK-BULK-86-12-5-A5	1.64	0.048
EUK-BULK-86-12-5-A6	2.45	0.071
EUK-BULK-86-12-5-A7	1.85	0.054
EUK-BULK-86-12-5-AB	1.39	0.041

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Certificate of ASSAY

Company:COASTECH RESEARCH
Project:P.O. 283
Attention:BRAD MARSHALL/LINDA SUMMER

File:6-606R/P1
Date:AUGUST 26/86
Type:PULP ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON	AU G/TONNE	AU OZ/TON
EUK BULK 86-7-2 A1	1.39	0.041		
EUK BULK 86-7-2 A2	1.02	0.030		
EUK BULK 86-7-2 A3	1.54	0.045		
EUK BULK 86-7-2 A4	4.60	0.134		
EUK BULK 86-7-2 A5	1.02	0.030	2.07	0.060
EUK BULK 86-7-2 A6	1.93	0.056	1.80	0.053
EUK BULK 86-7-2 A7	1.17	0.034	1.02	0.030
EUK BULK 86-7-2 A8	1.82	0.053	2.39	0.070
EUK BULK 86-9-17 A1	1.03	0.030		
EUK BULK 86-9-17 A2	1.24	0.036		
EUK BULK 86-9-17 A3	1.00	0.029		
EUK BULK 86-9-17 A4	.96	0.028		
EUK BULK 86-9-17 A5	1.19	0.035	1.78	0.052
EUK BULK 86-9-17 A6	.92	0.027	.81	0.024
EUK BULK 86-9-17 A7	.97	0.028	.96	0.028
EUK BULK 86-9-17 A8	1.04	0.030	1.40	0.041
EUK BULK 86-9-19 A1	.81	0.024		
EUK BULK 86-9-19 A2	1.64	0.048		
EUK BULK 86-9-19 A3	2.47	0.072		
EUK BULK 86-9-19 A4	.90	0.026		
EUK BULK 86-9-19 A5	1.92	0.056	2.58	0.075
EUK BULK 86-9-19 A6	6.40	0.187	5.20	0.152
EUK BULK 86-9-19 A7	2.41	0.070	1.26	0.037
EUK BULK 86-9-19 A8	1.86	0.054	1.20	0.035
EUK 86 BULK 86-12-2 A1	7.10	0.207		
EUK 86 BULK 86-12-2 A2	3.42	0.100		
EUK 86 BULK 86-12-2 A3	3.00	0.088		
EUK 86 BULK 86-12-2 A4	1.53	0.045		
EUK 86 BULK 86-12-2 A5	1.97	0.057	1.08	0.032
EUK 86 BULK 86-12-2 A6	4.04	0.118	5.63	0.164

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705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524 TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: COASTECH RESEARCH
Project: P.O. 283
Attention: BRAD MARSHALL/LINDA SUMMER

File: 6-606R/P2
Date: AUGUST 26/86
Type: PULP ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON	AU G/TONNE	AU OZ/TON
EUK 86 BULK 86-12-2 A7	5.83	0.170	2.18	0.064
EUK 86 BULK 86-12-2 A8	2.30	0.067	2.00	0.058
EUK BULK 86-12-2A A1	16.80	0.490		
EUK BULK 86-12-2A A2	32.40	0.945		
EUK BULK 86-12-2A A3	6.20	0.181		
EUK BULK 86-12-2A A4	21.80	0.636		
EUK BULK 86-12-2A A5	5.14	0.150	8.76	0.256
EUK BULK 86-12-2A A6	21.80	0.636	35.00	1.021
EUK BULK 86-12-2A A7	14.70	0.429	13.30	0.388
EUK BULK 86-12-2A A8	12.00	0.350	12.85	0.375
EUK BULK 86-7-1 A1	2.83	0.083		
EUK BULK 86-7-1 A2	3.22	0.094		
EUK BULK 86-7-1 A3	2.28	0.067		
EUK BULK 86-7-1 A4	2.20	0.064		
EUK BULK 86-7-1 A5	3.99	0.116	2.17	0.063
EUK BULK 86-7-1 A6	4.98	0.145	6.60	0.193
EUK BULK 86-7-1 A7	1.89	0.055	2.03	0.059
EUK BULK 86-7-1 A8	6.50	0.190	5.24	0.153

Certified by

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524 TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: COASTECH RESEARCH/EUREKA RESOURCES
Project: P.O. 291
Attention: JOHN KERR

File: 6-654
Date: AUGUST 26/86
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
EUK COMP 86-2 133.5 A1	2.35	0.069
EUK COMP 86-2 133.5 A2	3.10	0.090
EUK COMP 86-2 133.5 A3	2.90	0.085
EUK COMP 86-2 133.5 A4	2.60	0.076
EUK COMP 86-2 133.5 A5	2.10	0.061
EUK COMP 86-2 133.5 A6	2.20	0.064
EUK COMP 86-2 133.5 A7	2.70	0.079
EUK COMP 86-2 133.5 A8	1.25	0.036
EUK COMP 86-2 109.5 A1	16.50	0.481
EUK COMP 86-2 109.5 A2	11.90	0.347
EUK COMP 86-2 109.5 A3	26.80	0.782
EUK COMP 86-2 109.5 A4	9.80	0.286
EUK COMP 86-2 109.5 A5	16.30	0.475
EUK COMP 86-2 109.5 A6	16.45	0.480
EUK COMP 86-2 109.5 A7	22.50	0.656
EUK COMP 86-2 109.5 A8	10.90	0.318

Certified by _____

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524 TELEX: 04-352828

CERTIFICATE OF ASSAY

COMPANY: COASTECH RESEARCH INC.
PROJECT: P.O. 283
ATTENTION: BRAD MARSHALL/LINDA SUMMER

FILE: 6-606R
DATE: AUGUST 26/86
TYPE: METALLIC GOLD ASSAY

We hereby certify that the following are assay results for samples submitted.

SAMPLE NAME	TOTAL WT (G)	+120 M WT (G)	ASSAY VAL MET AU G/T-120AUG/T	ASSAY VAL	+120 M AU (MG)	-120 M AU (MG)	METALLIC GOLD (OZ/T)	METALLIC GOLD (GM/T)	NET GOLD (OZ/T)	NET GOLD (GM/T)
86-7-2 A1	714.11	84.11	0.53	1.45	0.045	0.914	0.002	0.06	0.039	1.34
86-7-2 A2	754.57	20.57	8.45	1.00	0.174	0.734	0.007	0.22	0.035	1.20
86-7-2 A3	917.21	22.21	3.21	1.78	0.071	1.593	0.002	0.07	0.053	1.81
86-7-2 A4	723.31	14.31	79.14	2.14	1.132	1.517	0.046	1.47	0.107	3.66
86-9-17 A1	741.16	26.16	5.32	0.75	0.139	0.536	0.005	0.18	0.027	0.91
86-9-17 A2	872.41	47.41	5.16	1.13	0.245	0.932	0.008	0.26	0.039	1.35
86-9-17 A3	825.96	47.96	2.98	0.79	0.143	0.615	0.005	0.16	0.027	0.92
86-9-17 A4	808.14	30.14	1.46	1.03	0.044	0.801	0.002	0.05	0.031	1.05
86-9-19 A1	801.10	26.10	42.30	0.79	1.104	0.612	0.040	1.30	0.062	2.14
86-9-19 A2	766.33	23.33	85.29	2.47	1.990	1.835	0.076	2.45	0.146	4.99
86-9-19 A3	858.07	32.07	25.72	2.27	0.825	1.875	0.028	0.91	0.092	3.15
86-9-19 A4	839.77	39.72	35.45	1.09	1.408	0.872	0.049	1.58	0.079	2.72
86-12-2 A1	1786.61	16.61	1151.41	5.00	19.125	8.850	0.312	10.08	0.457	15.66
86-12-2 A2	1642.74	82.74	7.92	2.27	0.655	3.541	0.012	0.38	0.075	2.55
86-12-2 A3	1826.63	76.63	14.19	2.67	1.087	4.673	0.017	0.56	0.092	3.15
86-12-2 A4	1802.53	62.53	9.73	1.40	0.608	2.436	0.010	0.32	0.049	1.69
86-12-2A A1	776.77	14.77	519.97	9.62	7.680	7.330	0.288	9.31	0.564	19.32
86-12-2A A2	830.67	23.67	570.63	18.10	13.507	14.607	0.474	15.31	0.987	33.84
86-12-2A A3	887.25	14.25	183.16	6.01	2.610	5.247	0.086	2.77	0.258	8.86
86-12-2A A4	890.88	19.88	190.90	14.30	3.795	12.455	0.124	4.01	0.532	18.24
86-7-1 A1	1685.42	15.42	91.79	1.86	1.415	3.106	0.024	0.79	0.078	2.68
86-7-1 A2	1715.24	25.24	67.86	2.19	1.713	3.701	0.029	0.94	0.092	3.16
86-7-1 A3	1676.14	16.14	42.96	2.01	0.693	3.337	0.012	0.39	0.070	2.40
86-7-1 A4	1706.56	31.56	44.68	1.76	1.410	2.948	0.024	0.78	0.074	2.55

Certified by _____

MIN-EN LABORATORIES LTD.

EUREKA RESOURCES INC.

FRASERGOLD PROPERTY

INTERIM SUMMARY

PREPARED FOR

J. KERR

EUREKA RESOURCES INC.

By: COASTECH RESEARCH INC.

P. Brad Marchant
Director of Research
and Project Development

1.0 TERMS OF REFERENCE

A bulk sample of Frasergold material was supplied to Coastech by J. R. Kerr which approximated 0.7 tonne as received. It was the objective of Eureka Resources to determine:

(i) the gold content of the bulk sample and the associated sampling statistics,

(ii) a reasonable extraction method for preliminary metallurgical evaluation,

The results presented herein are limited to a summary of the assay results from three independent assay laboratories in Vancouver. The results are presented from a pilot plant test where gravity methods, jigging and tabling, were employed to preconcentrate free gold and gold bearing host rock from approximately 0.5 tonnes of sample. The resultant concentrate was cyanide leached in a stirred reactor and the gold content determined.

2.0 METHODS

2.1 Bulk Sample Preparation and Assaying

The entire bulk sample (approximately 0.7 tonne) was jaw crushed to -1.3 cm. The crusher product was coned and quartered by standard sampling methods. One quarter of the bulk was coned and quartered. Oposite quarters were combined and rolls crushed to -6 mm. Each rolls crusher product, representing 1/8 of the bulk sample was coned and quartered. Opposite quarters were combined to make four composite samples. Each composite was sequentially riffle sampled to produce 4 x 1 kg samples and a reject (approximately 35 kg reject). The composites were designated A_2, A_3, A_4, and A_5. One of the samples from each composite was split to provide 2 subsamples of each:

A_2 - 1A 1B	A_3 - 1A 1B	A_4 - 1A 1B	A_5 - 1A 1B
A_2 - 2	A_3 - 2	A_4 - 2	A_5 - 2
A_2 - 3	A_3 - 3	A_4 - 3	A_5 - 3
A_2 - 4	A_3 - 4	A_4 - 4	A_5 - 4

Samples sent to Min-En Laboratories were: A_2 - 1A, A_3 - 1A, A_4 - 1A, A_5 - 1A. Samples sent to Acme Analytical were designated A_2 - 1B, A_3 - 1B, A_4 - 1B, A_5 - 1B. Duplicate gold analyses by fire assay were requested as well as gold fire assay by "metallics" preparation at Min-En.

The samples forwarded to Acme were later returned, and re-assayed by quadruple fire assay at Chemex Laboratories.

The remainder of the composite subsamples were forwarded to Min-En for analysis by fire assay technique without "metallics" preparation.

2.2 Pilot Plant

Approximately 500 kilograms of the bulk sample was pilot tested at Chapco Industries Ltd., Port Moody, under the supervision of P. B. Marchant of Coastech Research and J. R. Kerr of Eureka Resources. The pilot equipment consisted of a conventional gravity milling circuit which employed an automatic dry feeder, rod mill (3' x 4') in closed circuit with a hydrocyclone, a jig, and a shaking table.

All of the sample was piloted. The jig concentrate was tabled periodically and all of the table concentrate was saved. The pilot plant tailing was grab sampled every 15 minutes during piloting and composited. The mill, jig, and table apparatus were stripped and cleaned following piloting and the resultant "cleanup" was tabled and the concentrate saved with the bulk concentrate.

The pilot tailing was dried and assayed for gold with "metallics" fire techniques. The concentrate was dried @ 105°C, weighed, and leached in the presence of sodium cyanide and lime for 48 hours. The resultant pregnant solution was measured and assayed, by evaporation of a portion in a lead boat and fire assayed. The remaining pregnant solution was stripped using activated charcoal, the charcoal was ashed and fired to recover the residual precious metals. The cyanidation residue was washed and assayed by "metallics" and fire assay techniques.

3.0 RESULTS

3.1 Assays

The certified assay sheets from both Min-En and Acme are appendicized. The assays shown are all estimates of the same sample.

Statistics of the Min-En analyses can be summarized:

A. All assays (n=32):

$\bar{x}$ = 2.33 g Au/t

S = 1.95

confidence interval @ 99% level = 2.33 g Au/t $\pm$ 0.85

95% = 2.33 g Au/t $\pm$ 0.59

90% = 2.33 g Au/t $\pm$ 0.45

B. First assays (n=16)

$\bar{x}$ = 2.11 g Au/t

S = 1.44

confidence interval @ 99% level = 2.11 g Au/t $\pm$ 0.94

95% = 2.11 g Au/t $\pm$ 0.63

90% = 2.11 g Au/t $\pm$ 0.48

C. Duplicate assays (n=16)

$\bar{x}$ = 2.59 g Au/t

S = 2.40

confidence interval @ 99% level = 2.59 g Au/t $\pm$ 1.57

95% = 2.50 g Au/t $\pm$ 1.06

90% = 2.59 g Au/t $\pm$ 0.81

Statistics from the Acme assays are:

A. All assays (n=8)

$\bar{x}$ = 1.72 g Au/t

S = 0.55

confidence interval @ 99% level = 1.72 g Au/t $\pm$ 0.61

95% = 1.72 g Au/t $\pm$ 0.38

90% = 1.72 g Au/t $\pm$ 0.28

3.2 Comparative Assays

A. Composite Sample Comparison (Min-En)

Sample	n	g Au/t $\bar{x}$	g Au/t s
A_2	8	3.18	2.80
A_3	8	1.58	0.59
A_4	8	1.48	0.75
A_5	8	3.07	2.28
A_2/A_3	16	2.38	2.13
A_4/A_5	16	2.27	1.83

B. Interlaboratory Comparison

Sample	g Au/t Min-En	Acme	Chemex
A_2	3.18	1.30	1.44
A_3	1.58	2.26	7.59
A_4	1.48	2.19	3.81
A_5	3.07	1.20	1.66
Combined mean	2.33	1.72	3.63
Standard deviation	1.95	0.55	5.52
Variance	3.80	0.30	30.47
n	32	8	16

C. Metallics Assay (Min-En)

Sample	g Au/t Fire	Metallics/Fire
A_2	3.18	8.31
A_3	1.58	2.09
A_4	1.48	1.48
A_5	3.07	5.77
Combined mean	2.33	4.41

3.3 Pilot Plant

The critical pilot plant measurements are summarized below and the metallurgical balance indicated in Figure 1:

Feed Weight = 510 kilograms
Concentrate Weight = 8.479 kg.
80% passing 195 um (86% -65 mesh)
Cyanidation = 48 hours
2 kg NaCN/t solids
pH 11.0 ($Ca(OH)_2$)

Assays: Pilot Plant tailing = 1.23 g Au/t
Cyanide Residue = 1.51 g Au/t
Pregnant Solution = 85.2 g Au/t

Final Pregnant Solution Volume = 20.740 litres
Final Cyanide Residue (Washed) Moisture = 13.2%

4.0 DISCUSSION AND CONCLUSION

The nugget effect of coarse free gold was pronounced in all assaying of the bulk sample. Therefore, future assaying should be conducted by "metallics" preparation and fire assay techniques.

Comparison of the assays by "metallics" preparation methods and the total gold extracted by piloting indicated that assay by metallics methods might provide significant estimation of bulk gold content and avoid the requirement for bulk sample concentration by piloting followed by hydrometallurgical extraction for accurate assaying of a bulk sample.

The pilot results are the most significant assay of the gold content of the bulk sample as received.

Over 99% extraction from the pilot concentrate was achieved by cyanidation. This might indicate future metallurgical response however, drying the sample may have biased the extraction results as previous metallurgical testing of similar material indicated a preg robbing characteristic of the ore.

The results presented herein indicated that the gold content of the bulk sample as received is 4.70 g Au/t (0.137 oz Au/st).

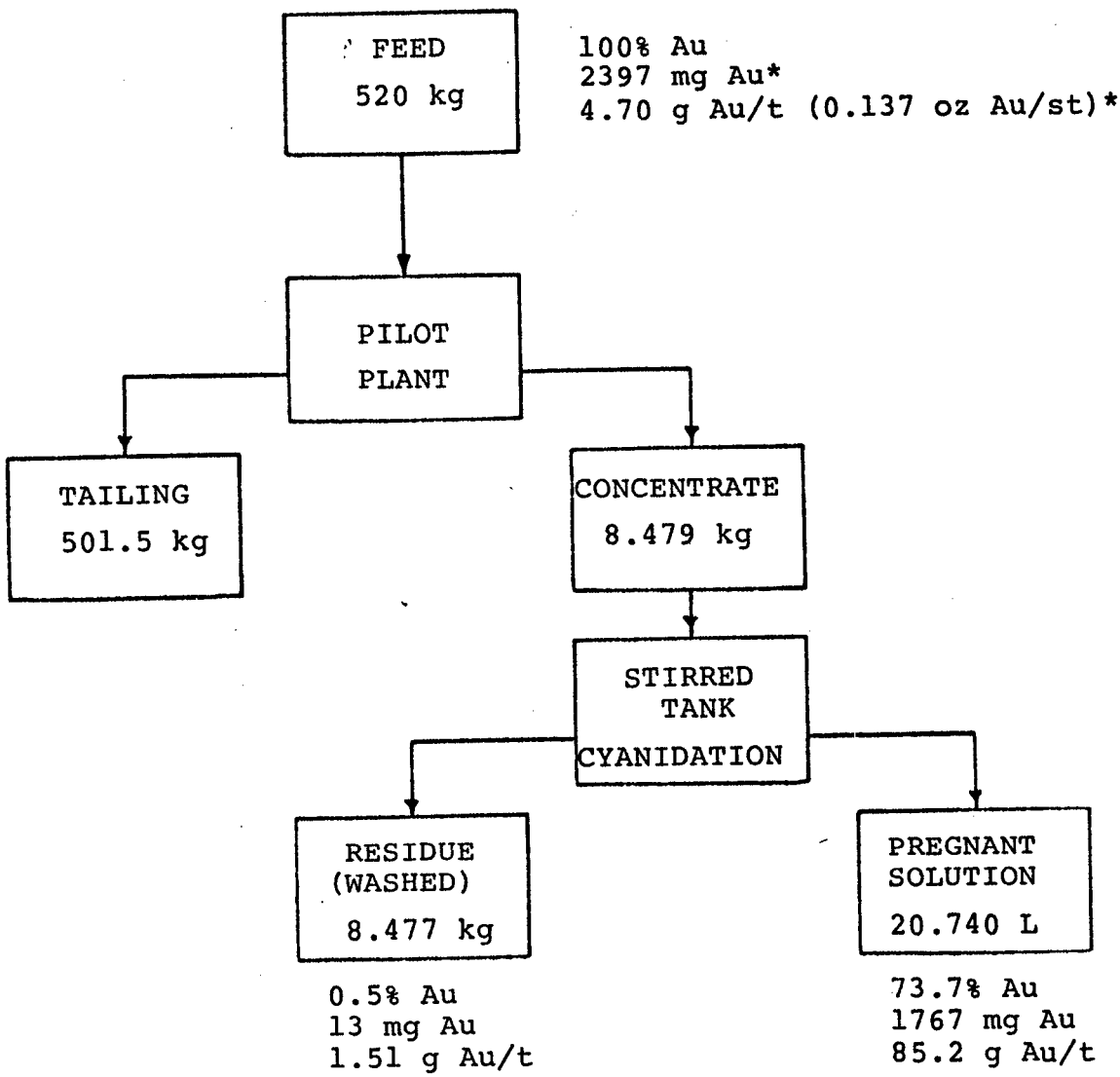
The metallurgical flowsheet and recovery/extraction has not been optimized todate.

FIGURE I

EUREKA RESOURCES INC.

BULK SAMPLE I

PILOT PLANT METALLURGICAL BALANCE



* Back- calculated assays

APPENDIX III

List of Personnel

LIST OF PERSONNEL

JUNE - JULY PROGRAMME

D.A. Leishman	June 1 - July 25
R. Pollard	June 15 - July 25
J. Forbes	June 22 - June 27
	July 18 - July 25

SEPTEMBER - OCTOBER PROGRAMME

D.A. Leishman	August 20 - October 29
W. Thompson	September 1 - October 31
R. Pollard	September 7 - October 28
K. Thompson	September 15 - October 30
J. Forbes	October 18 - October 20
M. Tew	September 1 - October 31

APPENDIX IV

Cost Statement

EUREKA FIELD COST STATEMENT

FRASERGOLD JUNE/JULY PROGRAMME
(NON-QUALIFIED FOR FLOW THROUGH)

LABOUR:

D.A. Leishman	$10,557	
P. Pollard	1,961	
J. Forbes	912	
Sub Total Labour	$13,430	$13,430
ROOM & BOARD	$ 4,481	
DRILLING	15,660	
BULLDOZER RENTAL	4,262	
BULK SAMPLING (C.J.L. Enterprises)	4,758	
ASSAYS	4,476	
MAP PREPARATION	6,300	
LABORATORY & METALLURGICAL COSTS	12,135	
MISC. SUPPLIES	3,851	
Sub Total	$55,925	$55,925
	Total Extended	$69,355

EUREKA FIELD COST STATEMENT

FRASERGOLD SEPTEMBER/OCTOBER
(QUALIFIES FOR FLOW THROUGH FUNDING)

LABOUR:

D.A. Leishman (incl. truck rental)	$14,043	
W. Thompson	5,102	
J. Ruggiero	3,942	
R. Pollard	3,083	
K. Thompson	1,036	
J. Forbes	1,906	
M. Tew	6,400	
Sub Total Labour	$35,512	
Employee Costs	9,285	
Sub Total	$44,797	$44,797
CAMP & EQUIPMENT RENTAL	$10,679	
DRILLING	156,602	
BULLDOZER	6,132	
ASSAYS (Incl. transport of samples)	17,233	
CONSULTING (K.V. Campbell)	3,580	
FOOD	4,894	
FUEL	2,231	
TRUCK RENTAL (W. Thompson)	3,226	
MISC. PURCHASES, SUPPLIES & TRAVEL	8,902	
CORE STORAGE (Direct Purchase)	10,462	
Sub total	223,941	223,941
Grand Total		$268,738