DIAMOND DRILLING

Area: Uchi Lake

Report No: 34

WORK PERFORMED FOR: Orofino Resources Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
KRL 648728	EG-86-1	407'	Aug/86	(1)
	EG-86-2	707'	Aug/86	(1)
KRL 648726	EG-86-3	307'	Aug/86	(1)
	EG-86-4	207'	Aug/86	(1)
	EG-86-5	407'	Aug/86	(1)
KRL 648727	EG-86-6	207'	Aug/86	(1)
KRL 648725	EG-86-7	207'	Aug/86	(1)
KRL 648724	EG-86-8	227'	Aug/86	(1)
	EG-86-9	207'	Aug/86	(1)
KRL 648728	EG-86-10	507'	Aug/86	(1)
KRL 839174	EG-86-11	287'	Aug/86	(1)
	EG-86-12	367'	Aug/86	(1)
KRL 648726	EG-86-13	450'	Aug-Sept/86	(1)
KRL 648728	EG-86-14	200'	Sept/86	(1)
	EG-86-15	207'	Sept/86	(1)
	EG-86-16	347'	Sept/86	(1)
	EG-86-17	137'	Sept/86	(1)

NOTES: (1) #97-86 (filed in June/87)

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Property: EARNCAY
Location: 130'E of EC-85-6 on line
Co-ordinates:
Section:
Length: 407'
Elevation:
Azimuth: Dip: -45°

HOLE: EC-86-1
Core size: AQ
Dip Tests: 400'
Started: Aug. 10/86
Completed: Aug. 12/86
Logged by: Warren Gilman

DRILLING COMPANY:

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
0.0	10.0	CASING								
		CORE FROM 7'								
7.0	29.5	BASIC LAVA - ANDESITE -medium green, pseudo coarse grain, due to segregations chloritic amphibole, chlorite clots and lenses and prolific matrix cb., carbonate amygdules 2 to 5 mm., secondary fractures lined with cb., fabric 30° TCN 7.0-9.0 4% disseminated py 13.0-17.0 finer grained, less cb. alteration, smaller chloritic pods, schlieren and matrix 17.0-27.0 reverts to pseudo coarse grain due to larger segregations cb. and mono mineralic chloritic aggregates. 27.0-29.5 probable flow top, finer grain (medium) with some 2mm carbonate amygdules, some vestigial subhedral plagioclase								
29.5	36.1	BASIC TUFF -finely bedded, fine grain, light green, alternation of beds various shades of green to very pale green, 30° TCN, upper contact 8 cm. mini-breccia sub-rounded grey green fine grain lithic fragments in chloritic matrix with 1 cm lense carbonate rich light green tuff at contact, slight faulting of beds with 1 cm displacement, tuff progressively more basic (darker green) down hole with carbonate metacrysts. 34.8-36.1 ovoidal lensing grey white chert fragments parallel 30° TCN, dark chlorite matrix, 8% py; some fine magnetite.	667	1.3	34.8	36.1	Tr			
36.1	49.7	BASIC LAVA - ANDESITE - coarse grain medium green, base to central portion of flow 36.1-46.8 -finer grain to 49.7 with metacrysts; acicular carbonate to 3 cm.; epidotic seams and fractures, small white amygdules carbonate; lower contact 30° TCN trace pyrite.								

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Hole No. EG-86-1

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
49.7	55.9	BASIC TUFF - INTERMEDIATE TUFF -darker strongly dark green chloritic segments with coarse cb. qtz (chert?) ovoidal boudins and lenses to 5 cm. interlayered with 1 to 1.5' segments -finely banded light green segments, various shades of green due to varying chlorite and cb. content, all 30° TCN, obviously sugagueous, water sorted bands, minor fractures with slight 5 mm. displacement, some thin segments lapilli tuff 49.7-52.2 melange of light green fine bedded tuff with 2% py and 1' of cb chert boudined chlorite tuff with 4% py, 2% po 53.8-55.9 qtz cb boudins (fractured) in dark chlorite matrix (1') py 8%, light green tuff (1') with 2% py	668 669	2.5 2.1	49.7 53.8	52.2 55.9	Tr .01
55.9	57.2	BASIC LAVA - ANDESITE -coarse grain metacrysts cb and relict chloritic amphiboles, 1% py, some interlayered 1 cm tuff bands					
57.2	67.6	BASIC TUFF -alternate fine and coarser grained segments, not as distinctly banded as 2 previous tuff bands (sub aerial?) sporadic py, generally rare, some late fracturing with cb. at 66.6; 2 to 3 mm lenses with 50% py, parallel bedding					
67.6	73.4	BASIC LAVA - ANDESITE -medium grain, green colour, white cb relict feldspar in chloritic matrix at 68.2-68.5; chert interlayered with finely banded tuff; cb qtz epidote filled fractures at all angles TC, random dark chlorite segregations					
73.4	73.9	QUARTZ VEIN -white barren bull qtz, massive chlorite contacts at 45° TCN, trace pyrite at contacts	670	.5	73.4	73.9	.02
73.9	75.5	BASIC LAVA - ANDESITE -medium green, medium green as above 67.6-73.4; chlorite segregations, clots, random fractures lined with cb., cb metacrysts in finer mosaic chlorite cb.					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
75.5	77.9	BASIC TUFF -darker green chloritic epidotic tuff, some fine bands appear entirely epidote strongly chloritic upper contacts 8% pyrite over 10 cm; porphyroblasts acicular cb., some 1 cm predominantly chert bands -- all 30° TCN					
		75.5-77.9 more chloritic bands favor py, sporadic magnetite	671	2.4	75.5	77.9	Tr
77.9	81.4	BASIC LAVA - ANDESITE - medium grain, medium green, small chlorite and white cb segregations in fine mosaic of chlorite cb. epidote, random cb filled fractures, epidote qtz fractures with sporadic coarse pyrite, foltiation 30° TCN					
81.4	81.9	BASIC TUFF -bands alternate in various shades of green, some admixed pale cherty bands 3 to 5 mm; all 30° TCN, graded bedding in individual bands indicate tops down hole, to West, no sulphides.					
81.9	82.2	BASIC LAVA - ANDESITE -as above (77.9-81.4); random cb porphyroblasts 1 mm					
82.2	84.1	BASIC TUFF -medium green, finer ash at upper contact, granular beds down hole (West)					
		82.2-84.1 rare random euhedral py crossing bedding, near contacts	672	1.9	82.2	84.1	.01
84.1	85.5	BASIC LAVA - ANDESITE -medium grain, medium green, relict coarse feldspar, white amygdules rimmed with epidote, no sulphides					
85.5	86.0	BASIC TUFF -well banded with larger bands of micro "clasts", some coarse ovoidal py, all features 30° TCN.					
86.0	87.1	BASIC LAVA - ANDESITE -medium grain, medium green, remnant chlorite segregations after amphibole foliation 30° TCN, random fractures with white cb to 5 mm.					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
87.1	141.0	BASIC LAVA - ANDESITE -medium to progressive coarse grain, chlorite porphyroblasts, cb segregations in finer mosaic of chlorite carbonate epidote, foliation 30° TCN, some 4 cm pillow selvedge (tuffaceous) at 89' 30° to 50° TCN, small cb filled fault (varying grain size at 96' 80° TCN), twin pillow selvedge with tuff interlayered at 99' (45° to 60° TCN) -several qtz epidote random fractures at 70 to 80° TCN; lone crystals coarse pyrite random through core increasing down hole with coarse white amygdules prominent (5 mm), foliation more flat.					
141.0	160.4	BASIC LAVA - ANDESITE -general fine grain, some medium green, medium green colour, random amygdaloidal segments, vestigal chloritic amphibole, foliation 30° TCN, sporadic coarse pyrite rare, probable flow top -secondary carbonate veinlets at upper contact with coarse pyrite, clustered black crystals 141.0-143.0 fine black clustered secondary crystals, black sheen (cleavage)? possible some tellurides , fine magnetite ? very irregular injection	673	2.0	141.0	143.0	Tr
160.4	166.7	BASIC TUFF -fine grain medium and light green colour, alternating vari-coloured green with varying chlorite content, some chert bands light green to white; metacrysts white carbonate (1 mm), acicular tabular, small clusters black metacrysts as sampled above preferentail with certain beds, 40° to 50° TCN 160.4-166.7 primarilly lighter coloured fine bedded tuff, trace pyrite	674	6.3	160.4	166.7	Tr
166.7	171.5	BASIC LAVA - ANDESITE -medium to coarse grain, relict ovoidal feldspar, in finer mosaic of chlorite carbonate epidote, random white carbonate amygdules, foliation 30° to 40° TCN several qtz epidote fractures (5 mm).					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
171.5	174.2	BASIC CHERT TUFF -several beds, lenses, tablets white chlorite in dark chloritic tuff, minor fracturing of chert plates with resorbed margins, fractures chlorite filled, distinct bands 30° TCN 171.5-174.2 abundant minute clustered magnetite (black minute crystals) several bands predominantly epidote, rare coarse pyrite	675	2.7	171.5	174.2	.01
174.2	185.2	BASIC LAVA - ANDESITE -coarse grain fabric, large relict amphiboles, porphyroblasts amygdules, segregations carbonate in epidote chlorite carbonate mosaic, fractures with qtz epidote filling, foliation averages about 30° TCN, at 179.6 a 4 cm lamprophyre or andesite dyke, contacts parallel foliation, considerable fine black mineral recrystallized through matrix as segregations and disseminated (probable magnetite) rare pyrite.					
185.2	185.5	BASIC CHERT TUFF -tablets, lenses white chert in fine bedded chlorite epidote tuff bedding 30° TCN, no sulphides, 50% matrix chert to 3 cm wide					
185.5	195.3	BASIC LAVA - ANDESITE -finer grained lighter green flow top, appears medium grain due to chlorite porphyroblasts and relict chloritic amphibole in fine chlorite carbonate epidote matrix, several random 4 cm selvedge of pillows, with bands mono-mineralic chlorite and of carbonate, segments with abundant white amygdules 1 to 2 mm. 189.6-191.0 qtz carbonate epidote 3 cm vein 80° TCN, lone crystal cpy from 191.0 to 195.3 several carbonate qtz filled fractures; no sulphides	676	1.4	189.6	191.0	Tr
195.3	197.6	QUARTZ VEIN in INTERMEDIATE CHERT TUFF -quartz 4 cm injects very light green and beige well banded tuff with chert beds, lenses at varying contact angles 195.3-197.6 vein and tuff contact sharp, minor copy at lower vein contact	677	2.3	195.3	197.6	.02

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
197.6	201.6	BASIC LAVA - ANDESITE -fine to medium grain, medium green colour, carbonate porphyroblasts and amygdules and porphyroblasts and relict chloritic amphibole, flow top, cb filled fractures 60° to 70° TCN, no sulphides.					
201.6	202.0	INTERMEDIATE TO ACID CHERT TUFF -very light green colour, very fine grain hard, beds parallel CN, tension fractures with dark chert filling, no sulphides					
202.0	203.8	BASIC LAVA - ANDESITE -amygdaloidal with white carbonate to 4 mm., amphibole clots					
203.8	204.6	INTERMEDIATE TUFF -chloritic with 5 cm. exenolith dark lava, 3 cm qtz epidote vein					
204.6	213.9	BASIC LAVA ANDESITE -medium grain, medium green (complete flow bottom to top); minor white amygdules near base with matrix of chlorite epidote carbonate with profusion of chloritic porphyroblasts, -matrix fine 212' to top, texture remains same throughout, minor py increase to top 3%, contact 30° TCN.					
213.9	214.1	INTERMEDIATE CHERT TUFF -several thin chert bands alternate with chloritic epidotic bands					
214.1	216.0	BASIC LAVA - ANDESITE -random small white amygdules through medium to fine grain matrix					
216.0	216.9	INTERMEDIATE TO BASIC CHERT TUFF -some 5 mm bands probable greywacke within cherty tuff suggest graded beds with tops to West					
216.9	226.1	BASIC LAVA - ANDESITE -essentially same texture and content as above series of flows, random white amygdules, coarse porphyroblasts and relict chloritic amphibole in finer matrix of chlorite, amphibole, epidote, finer relict [illegible]oxene, random trace po, py, rare trace cpy, carbonate filled fra[illegible]					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
226.1	226.8	INTERMEDIATE TUFF -chert rich sericitic very fine grain subaqueous tuff, late fractures with cb, interlayered wider bands lapilli tuff, 20° TCN, ptgmatic folds in sericite tuff					
226.8	228.0	BASIC LAVA - ANDESITE -fine grain flow top, profusion small white carbonate amygdules considerable fine pyrite along folt'n planes, not evident on core surface.					
228.0	229.4	INTERMEDIATE TUFF -extremely delicate bedding very fine grain sericitic cherty tuff, some wider more coarse lapilli tuff bands in subaqueous tuff 10° to 20° TCN					
229.4	233.5	BASIC LAVA - ANDESITE -profusion of carbonate subhedral metacrysts, blebs, segregations injecta white carbonate into fine grain matrix, minor variable py po with cb 229.4-233.5 variable minor py, po, trace cpy; minute single crystals native Cu	678	4.1	229.4	233.5	Tr
233.5	235.0	INTERMEDIATE CHERT TUFF -variable chert content in individual bands very fine grain light grey tuff, varying hardness of bands 20° TCN, later fractures with chlorite and cb., no sulphides.					
235.0	239.4	BASIC LAVA - ANDESITE -medium green, profusion ovoidal carbonate metacrysts usually in parallel bands, alternate between schlieren chlorite, imparts pronounced foliation 40° TCN, euhedral carbonate recrystallized along foliation, no sulphides					
239.4	241.0	BASIC TUFF -dark green (chloritic) several 1 cm chert bands, trace pyrite on joint planes.					
241.0	241.8	BASIC LAVA - ANDESITE -very fine grain chloritic flow top, clustered amygdules, roapy carbonate					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
241.8	246.5	BASIC TUFF - ANDESITE COMPOSITION -banding obscure, thick lapilli tuff bands multitude of varisized rounded lapilli, some fingers interlayered lava					
246.5	250.5	BASIC TUFF highly variable banding, some distinct, some obscure 30° TCN, wisps and schlieren sulphide parallel bands, usually with secondary cb in fractures					
		246.5-249.0 2 segments 5 cm interlayered graphite with parallel blebs po, average 8% sulphides, 80% po, interbeds lapilli	679	2.5	246.5	249.0	.01
		249.0-250.5 lighter green chlorite carbonate lapilli tuff, sulphides 5%, parallel pods po	680	1.5	249.0	250.5	Tr
250.5	252.3	CARBONATE SATURATED TUFF -relict bands sericitic tuff masked by cb saturation, lower .5' unsaturated					
		250.5-252.3 random schlieren po often xcut banding, 8% po, minor pyrite	681	1.8	250.5	252.3	Tr
252.3	257.0	GRAPHITE SEDIMENT -thinly bedded graphite alternate with chlorite tuff, porphyroblasts and fractures late white carbonate, pyrrhotite seams and lenses, 30° TCN					
		252.3-254.5 fine bedded graphite tuff, parallel seams po, trace cpy	682	2.2	252.3	254.5	Tr
		254.5-257.0 most po lenses with authogenic graphite, less with secondary cb.	683	2.5	254.5	257.0	.01
257.0	258.0	CARBONATE VEIN -saturation type, relict tuff bands, minimal sulphides					
		257.0-258.0 pyrrhotite wisps in relict graphite bands, massive cb barren	684	1.0	257.0	258.0	Tr
258.0	260.0	BASIC TUFF -fine grain very dark green, some sulphide with later carbonate injection	685	2.0	258.0	260.0	Tr
260.0	268.5	BASIC LAVA - ANDESITE -fine to medium grain featureless flow top; abundance fine porphyroblasts white carbonate aligned to schistosity 30° TCN, some minor segments 4 cm of included tuff, rare later fractures with cb and po.					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
		260.0 - 268.5 (con't)					
		260.0-263.0 probable greater tuff content than detectable, minor sulphides	686	3.0	260.0	263.0	Tr
		263.0-268.5 porphyroblastic aligned matrix, constant grannularity, may be subaerial tuff; fine seams secondary sulphides rare	687	5.5	263.0	268.5	Tr
268.5	270.8	GRAPHITE SEDIMENT -chert rich segments, abundant clustered segments of lenses tablets, chert in predominantly graphite beds with minor sericite tuff and 5 cm band cb saturation					
		268.5-270.8 average 5% po, concentrated adjacent secondary cb predominant po with admixed lesser py, beds 30° TCN	688	2.3	268.5	270.8	Tr
270.8	288.0	BASIC TUFF -upper contact well banded with en echelon chert tablets, lenses, with thin chloritic bands grading to pseudo featureless "flow top" with profusion of fine ovoidal cb (probably previously called flow) (eg. 258-268.5) -suggests a repetition of graphite and tuff sequence, key bed is fine ovoidal aligned cb parallel bedding and a vague banding of fine material random through core, grades to definite lapilli tuff with profusion of fragments (aligned) yet no evident banded texture					
		270.8-274.0 no apparent sulphides in green tuff with carbonate metacrysts	689	3.2	270.8	274.0	Tr
288.0	296.6	BASIC LAVA - ANDESITE -fine grain medium green, upper 1.5' a brecciated cherty tuffaceous amygdaloidal flow top with chloritic 2 cm bands, chert lenses (if interpretation correct - indicates reveral, top to east) -main fabric of flow ovoidal white carbonate metacrysts in fine chloritic matrix, white carbonate ovoids 40% of matrix displays some possible banding indicative of lapilli tuff with banding obscure, much fine carbonate is sub to euhedral as metacrysts, very fine disseminated po through matrix usually with carbonate					
		294.0-296.6 fine po random through micro--medium grain matrix, some fine magnetite	690	2.6	294.0	296.6	.01

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
296.6	299.4	GRAPHITE SEDIMENT -finely banded graphite with minor interbeds light grey cherty tuff, 30° TCN, boudins random po, sulphide lined fractures, secondary ptygmatically folded white carbonate, needles, lenses po, fine magnetite ?, some pyrite 296.6-299.4 po in variety of forms, mainly thin seams on bedding	691	2.8	296.6	299.4	Tr
299.4	300.7	BASIC TUFF -medium green, obscure tuff, recrystallized epidote chlorite matrix obliterate bedded nature (appears as very fine grain basic lava) 299.4-300.7 sulphides so fine, difficult, probably po-faint bedding	692	1.3	299.4	300.7	Tr
300.7	305.3	GRAPHITE CHERT TUFFACEOUS SEDIMENT -alternation of graphite bands with chert lenses, tablets and interlayered chloritic tuff, various forms po with cpy, sulphides, foliation planes matted with pyrite 300.7-305.3 fine sulphides with high ratio, cpy and sphalerite	693	4.6	300.7	305.3	Tr
305.3	306.4	BASIC TUFF -repeat strange vaguely banded fine grain texture with could be flow 305.3-306.4 strongly metacrystic (cb) matrix, trace py, po	694	1.1	305.3	306.4	Tr
306.4	308.1	CHERT GRAPHITE BASIC TUFF -chloritic subaqueous tuff alternate with chert graphite 306.4-308.1 fine variformed po with py, cpy, sph., folt'n planes with py	695	1.7	306.4	308.1	Tr
308.1	342.2	INTERMEDIATE LAPILLI TUFF -light grey green fine grain matrix with multitude of varisized ovoidal fragments, same comps'tn as matrix, 2 mm to 1 cm., oriented parallel prevailing 30° TCN, random chert lenses, tablets, variable fine po from nil to 3% of matrix, some vague tuffaceous banding sparingly present 308.1-311.0 tuff banding evident with lapilli, high variable fine po, some py, more rare, mainly along slips of foliation	696	2.9	308.1	311.0	Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
342.2	342.8	BASIC TUFF -delicately banded fine grain dark green grey tuff, 10% po, mainly fine parallel bands, jagged fractures with po cpy, contacts 30° TCN (insufficient for sample)								
342.8	343.2	INTERMEDIATE LAPILLI TUFF -light grey, abundant fragments								
343.2	358.7	BASIC LAVA - ANDESITE -medium grain, medium green colour, relict feldspar with resorbed margins, intersertal chlorite, cb, relict chloritic amphiboles, porphyroblastic clustered black mica; cb, subhedral leucoxene, considerable po py in fractures near upper contact, disseminated po in matrix secondary fractures with white cb., aligned relict amph. 40° TCN								
		350.0-353.1 irregular fracture along core with white barren cb., later qtz cb portion (barren); some py po along cb fracture	697	3.1	350.0	353.1	Tr			
		-'top' of flow at 358' very fine grain lighter green with barely discernable crystal forms, porphyroblastic cb., cb. seams with sporadic py po, lower contact with qtz cb vein 60° TCN.								
358.7	367.4	INTERMEDIATE LAPILLI TUFF -profusion varisized ovoidal fragments lensing with 'flattened' parallel tablets (lighter grey green colour) in darker chloritic matrix 30° TCN -a 5 cm qtz carbonate vein at 362' 70° TCN (barren) -a 3 cm band subaqueous tuff at 366', delicately banded fragments or lapilli comprise 75% of rock fabric								
367.4	371.4	BASIC LAVA - ANDESITE -upper contact (bottom) fine grain medium green microgranular carbonate chlorite matrix with small carbonate and colourless amygdules, 2% fine py, grading to more coarse with profusion carbonate metacrysts (no amygdules) with persistent 2% disseminated fine pyrite grading at 370 to highly amygdaloidal with schlieren of cb. at lower (top) contact, 60° TCN with roapy and tuffaceous portions to 371.4; 2% py								

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
371.4	377.0	INTERMEDIATE LAPILLI TUFF -mixture light green delicate banded subaqueous tuff and coarse lapilli of varied size (many 1 cm), latter has light grey oriented fragments in darker chloritic matrix 65° TCN -at 375' subaqueous ash tuff 10 cm, variable sulphide, predominant po.					
		371.4-374.0 chert lenses intermixed 5% S, mainly fine po	698	2.6	371.4	374.0	Tr
		374.0-377.0 coarse fragments with 8% po as aligned schlieren with minor cpy, trace sphalerite	699	3.0	374.0	377.0	Tr
377.0	387.7	BASIC LAVA - ANDESITE -roapy amygdaloidal upper contact suggests top of flow grading to medium grain homogenous flow with fresh appearance, clear feld and amphibole with fine epidote, only secondary carbonate fractures					
387.7	389.1	BASIC TUFF -strongly banded dark green grey chloritic tuff with profusion interlayered en echelon secondary carbonate average 40° TCN, barren carbonate					
		387.7-389.1 probable poor sample (striped like zebra - no sulphides)	700	1.4	387.7	389.1	Tr
389.1	407.0	INTERMEDIATE LAVA -fine grain to medium grain light grey green matrix, progressively abundant amygdules, predominantly white 1 to 3 mm, some colourless with aureole of cream alteration, fresh fld. chl. carbonate matrix but with 4% fine po tuff 3 cm at 389.8' at 45° TCN, chloritic with po in micaceous slips					
		389.6-391.6 po in light carbonate fractures and chloritic fractures and disseminated in matrix	9401	2.0	389.6	391.6	Tr
		391.6-396.6 heavily fractured breccia zone, matrix shattered with later qtz cb epidote fine grain rock, appears like breccia vein, actual acid rock injection along jagged fractures, minor po	9402	5.0	391.6	396.6	Tr
		-en echelon tension fractures with schlieren of chlorite in amygdaloidal dacite, rare fractures below 396.6' injected with remobilized chert, many flat, tabular amygdules to 1 cm aligned 10 to 20° TCN; some py along joint planes, some late fractures with epidote fill.					
	407.0	END OF HOLE					

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ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-1	34.8	36.1	667					Trace		X									
	49.7	52.2	668					Trace		X									
	53.8	55.9	669					.01		X									
	73.4	73.9	670					.02		X									
	75.5	77.9	671					Trace		X									
	82.2	84.1	672					.01		X									
	141.0	143.0	673					Trace		X									
	160.4	166.7	674					Trace		X									
	171.5	174.2	675					.01		X									
	189.6	191.0	676					Trace		X									
	195.3	197.6	677					.02		X									
	229.4	233.5	678					Trace		X									
	246.5	249.0	679					.01		X									
	249.0	250.5	680					Trace		X									
	250.5	252.3	681					Trace		X									
	252.3	254.5	682					Trace		X									
	254.5	257.0	683					.01		X									
	257.0	258.0	684					Trace		X									
	258.0	260.0	685					Trace		X									
	260.0	263.0	686					Trace		X									
	263.0	268.5	687					Trace		X									
	268.5	270.8	688					Trace		X									
	270.8	274.0	689					Trace		X									
	294.0	296.6	690					.01		X									
	296.6	299.4	691					Trace		X									
	299.4	300.7	692					Trace		X									
	300.7	305.3	693					Trace		X									
	305.3	306.4	694					Trace		X									
	306.4	308.1	695					Trace		X									
	308.1	311.0	696					Trace		X									

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ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-1 (con't)	350.0	353.1	697					Trace		X									
	371.4	374.0	698					Trace		X									
	374.0	377.0	699					Trace		X									
	387.7	389.1	700					Trace		X									
	389.6	391.6	9401					Trace		X									
	391.6	396.6	9402					Trace		X									

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Property: EARNEY
Location:
Co-ordinates: 25M East of B.L. L14+00N
Section:
Length: 707'
Elevation:
Azimuth: 300° Dip: -45°

HOLE: EG-86-2
Core size: AQ

Dip Tests:
Started: Aug. 12, 1986
Completed: Aug. 14, 1986
Logged by: Warren Gilman

DRILLING COMPANY:

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	10.0	CASING					
10.0	164.7	BASIC LAVA - ANDESITE -medium grain, medium green, some finer grain portions, homogeneous andesite foliation average 30° TCN -10 cm carbonate vein at 49' 70° TCN (barren) -random pillow margins, 1 to 2 cm., average 45° TCN, composed of laminar chlorite mats and carbonate with thin epidote bands rock fabric consists of two varieties, softer equi-granular matrix of carbonated feldspar, chlorite and chloritic amphibole with profusion carbonate metacrysts and of an epidotic hard phase with matrix epidote saturated and recrystallized feldspar amphibole -coarse euhedral pyrite average 2% occurs with chloritic phase and disappears with epidotic phase -random fractures with qtz epidote or quartz carbonate or epidote alone, larger fractures injected with qtz carbonate -finer phase is pseudo fine grain due to chloritization of amphibole and epidotization of feldspar.					
164.7	176.5	BASIC TUFF -dark green, fine grain chlorite rich tuff, colour variance due to chlorite content, some very light to predom dark green subaqueous tuff, 30° TCN -some vague megascopic evidence of grading finer of individual bands to west, some thin carbonate bands, random chert bands 1 to 2 cm wide, later carbonate bands barren, trace sulphides, trace 172'					
		172.0-174.5 sulphides 2%, disseminated but selective, fine magnetite 174.5-176.5 disseminated po and disseminated py mutually exclusive in selective zones, fine powdery magnetite, minor rotational movement, long acicular carbonate porphyroblasts local	9403	2.5	172.0	174.5	Tr
			9404	2.0	174.5	176.5	Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
176.5	196.9	BASIC LAVA - ANDESITE -medium grain, medium green colour, matrix of chlorite epidote carbonate chloritic amphibole altered feldspar with random segments epidote saturated which obscures matrix, recrystallized subhedral amphiboles, some preferential zones to 15 cm. of porphyroblasts ankerite carbonate needles, some fine magnetite and disseminated leucoxene, py isolated, sporadic foliation aligned relict amphiboles 30-40° TCN.					
196.9	198.5	BASIC LAVA -roapy flow top-pseudo-tuff, profusion recrystallized vari-sized carbonate					
		196.9-198.5 upper contact 5% cpy (5 cm)--nutual zones of py and po dissem.	9405	1.6	196.9	198.5	.01
198.5	219.5	BASIC TUFF -alteration vari-shades green tuff from light to very dark green, dependant of chlorite and cb content, vari-sized carbonate porphyroblasts selective in size and amount with certain bands from 1 mm to 3 cm., interlayered chert rich bands increase down hole, 30° TCN consistent sulphide variable, usual py exclusive of disseminated po					
		198.5-202.0 sulphides scattered, much nil, general py po nutual exclusive	9406	3.5	198.5	202.0	.01
		202.0-207.0 sulphides fine, av 1%, barren segments, some fine magnetite	9407	5.0	202.0	207.0	Tr
		207.0-212.0 profusion crs magnetite 8% at 211', most py with late carbonate fractures, av. 1%, many barren segments, several 2 cm bands 10% pyrite	9408	5.0	207.0	212.0	Tr
		212.0-217.0 crs magnetite margins of carbonate injecta with py, po, trace cpy magnetite in direct proportion to sulphide quantity vertical 2 cm carbonate injection, 216-217 rimmed by margin, po	9409	5.0	212.0	217.0	Tr
		217.0-219.5 carbonate saturated chert rich tuff, matrix frosted, av 3 to 4% po, minor py, seams po unbedding margins lenticular wisps po parallel bedding	9410	2.5	217.0	219.5	Tr
219.5	329.0	BASIC LAVA - ANDESITE -repetitive sequence medium grain, medium green flows, amphibole chlorite carbonate matrix with larger chloritic amphibole, relicts and carbonated feldspar, amygdules random in finer grained flow tops, segments with epdidote saturation of matrix (amygdules untouched by epdiotization, flows average 12 to 15' with usual fine base grading to medium grain matrix to amygdaloidal (to 1 cm white carbonate) tops, some random py, often adjacent to fine grain (tuffaceous) pillow selvedge, crude foliation relict amphiboles 30°TCN					

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DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
		219.5 - 329.0 BASIC LAVA - ANDESITE (con't)					
		248.5-250.8 (2) 8 cm barren qtz carbonate veins at 45° TCN, contacts from 326 to 329 (lower contact very fine grain chlorite) sparse amygdaloidal flow top, some po and disseminated magnetite in pillow selvedge 327.5'	9411	2.3	248.5	250.8	Tr
		297.0-302.0 epidote saturated matrix average 1% in segregated po	9412	5.0	297.0	302.0	Tr
329.0	330.0	BASIC TUFF -a more coarse less well banded gritty tuff, some 2 cm bands may be micro-greywacke (clasts decrease in size down hole) 30° TCN					
330.0	331.0	BASIC LAVA -many breccia like oriented fragments with resorbed margins through medium grain matrix, profusion dark crystals (amphibole ?)					
331.0	331.4	BASIC TUFF -subaqueous, delicate banding, some chert lenses					
331.4	332.0	BASIC LAVA -medium grain with en echelon tablets, chert (probably lapilli tuff with vague matrix) only justification for chert lenses imbedded in matrix					
332.0	337.0	BASIC TUFF -coarse bedded chloritic medium to dark green lapilli tuff with en echelon tablets chert (ubiquitous), trace py, po					
337.0	344.1	INTERMEDIATE TUFF -coarse bedded, light green, fine grain lapilli segments indistinguishable from fine grain lava, several 1 to 2 cm bands en echelon chert tablets, some fine banded subaqueous chloritic tuff					
		337.0-339.5 trace po, trace py in coarse tuff, multiple chert bands clustered	9413	2.5	337.0	339.5	.01
		339.5-342.0 mainly lapilli tuff, radiating fractures 3% po plus bl. chl.	9414	2.5	339.5	342.0	Tr
		342.0-344.1 carbonate saturated frosted white tuff, 5% po remobilized in fractures	9415	2.1	342.0	344.1	.01

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
344.1	346.2	INTERMEDIATE LAVA (probable dacite composition) -light green, fine to slight medium grain, discernable fine amphiboles in light green matrix					
		344.1-346.2 po 5% disseminated and imbricate carbonate rich fractures	9416	2.1	344.1	346.2	Tr
346.2	348.1	INTERMEDIATE TUFF -chert rich, beds, tablets chert in segregated segments in light green fine banded subaqueous ash tuff, some ptygmatic folds, disseminated fine magnetite po margins on chert and disseminations					
		346.2-348.1 po 5% en echelon streaks parallel beds and disseminated po	9417	1.9	346.2	348.1	Tr
348.1	354.8	BASIC LAVA - ANDESITE -fine to medium grain basic lava megascopic amphibole in chlorite epidote matrix, fine po disseminated evenly through matrix, late carbonate fractures with po					
		348.1-354.8 po 5% as matrix disseminations, fracture fill with carbonate	9418	6.7	348.1	354.8	Tr
354.8	356.4	BASIC TUFF -coarse fabric tuff, larger 1 cm bands with fine lapilli, thin chert					
		354.8-356.4 po 5% in upper 10 cm with strong disseminated magnetite, much NIL	9419	1.6	354.8	356.4	.01
356.4	367.5	BASIC LAVA - ANDESITE -fine grain chlorite epidote carbonate matrix, fine grain, medium green, scattered amygdules, usual late carbonate fractures					
		360.5-363.2 profusion acicular metacrysts 5 mm carbonate develops often independent of foliation, diverse orientation.					
		-a 10 cm tuff band at 363.2 several chert bands interbedded with metacrystic carbonated lava below tuff; some interlayered tuff horizons to lower contact no sulphides.					
367.5	373.4	BASIC TUFF -innumerable chert beds, tablets in upper 3' interlayered with chloritic beds, subaqueous tuff, some wider lapilli tuff with miner metacrysts cb.					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
		367.5-373.4 BASIC TUFF (con't)					
		367.5-372.0 py films on bedding planes, sulphides erratic, some py po to 8% some 2% mutually selective bands	9420	4.5	367.5	372.0	Tr
		372.0-373.4 strange tuff with obscure bedding, 2% po	9421	1.4	372.0	373.4	Tr
373.4	374.8	BASIC LAPILLI TUFF -fine fragment lapilli small vari-sized fragments, very obscure bedding					
		373.4-374.8 wisps po with trace cpy (exsolved ?)	9422	1.4	373.4	374.8	Tr
374.8	380.6	BASIC TUFF -chloritic fine banded subaqueous ash tuff, 30°TCN, lower 1.6' 40% chert beds and distended tablets					
		374.8-379.0 very sporadic py, po, average low, mainly thin chlorite tuff	9423	4.2	374.8	379.0	Tr
		379.0-380.6 chert rich tuff, 5% po, segments with vuggy py	9424	1.6	379.0	380.6	Tr
380.6	383.6	LAPILLI TUFF -difficult to distinguish from homogeneous medium grain andesite, micro-particles vari-sized constitute entire uniform matrix					
383.5	390.2	CHERT CHLORITE BASIC TUFF -50% of entire segment is 1 cm chert beds					
		383.5-385.0 po 5%, nearly 1% cpy, sulphide concentrates on chert rims	9425	1.5	383.5	385.0	Tr
		385.0-388.0 as above - several barren segments and minor po	9426	3.0	385.0	388.0	Tr
		388.0-390.2 po 2%, many wider bands are lapilli tuff	9427	2.2	388.0	390.2	Tr
390.2	393.0	LAPILLI TUFF -basic-chloritic-near micro-particles varisized, near indistinguishable from fine grain flow - felnic particles, ovoidal carbonate, fine magnetite					
393.0	397.2	CHERT CHLORITE BASIC TUFF -50% plus chert beds, boudins parallel bedding, some 10% segments 5 to 10 cm 8% po, lesser py, minor copy, bugs with py					
		393.0-397.2 at 396.0 carbonate vein with 25% massive py, trace cpy, small qtz carbonate veins	9428	4.2	393.0	397.2	Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
397.2	402.0	LAPILLI TUFF -basic fine vari-sized fragments appears like fine grain, flow, 2% po 397.2-402.0 peppered with blebs po - rare chert with po margins	9429	4.8	397.2	402.0	Tr			
402.0	407.3	LAPILLI TUFF ? BASIC FLOW ? -impossible to define microscopically fine grain with small round carbonate porphyroblasts or fragments - homogeneous - massive upper 2.5' po in disseminated knots - uniform size distribution 402.0-404.5 very obscure bedding to rock fabric, constant 4% po	9430	2.5	402.0	404.5	.01			
407.3	410.8	CHERT LAPILLI AGGLOMERATE -5 m to 1 cm chert fragments in fine chloritic matrix, multiple beds chert -average 40% of matrix 407.3-410.8 po 8%, clusters po concentrated along chert rims, minor cpy associated with po, minor fine py	9431	3.5	407.3	410.8				
410.8	416.6	LAPILLI TUFF ? BASIC FLOW ? -same rock as 402.0-407.3 -vari-sized oval fragments in matrix, obscured by metamorphism, matrix recrystallization minor po as disseminations and rare streaks								
416.6	420.2	CHERT BASIC TUFF -50% lenses, tablets, bands chert 5 mm to 1 cm usually selectively grouped with fine chloritic bands 416.6-420.2 random po in multiple groups, impossible average	9432	3.6	416.6	420.2	tr			
420.2	423.6	BULL QUARTZ -frosted white, much chlorite schlieren, films py associated with chlorite 420.2-423.6 contacts 10°TCN, trace py, po, dendritic fractures with chlorite	9433	3.4	420.2	423.6	.01			
423.6	424.0	CHERT BASIC TUFF -as above								

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
424.0	428.3	LAPILLI TUFF -fine grain basic medium green, fine erratic fragments, megascopic appears like flow, small fragments confuse with porphyroblasts, fine magnetite bedding obscure, much fine recrystallization, sporadic clots po					
428.3	429.6	LAPILLI TUFF -clear distinct oriented vari-sized fragments 80% of chlorite matrix, fine po trace cpy, fine magnetite					
429.6	430.4	MIL QUARTZ VEIN -vitreous, some chlorite schlieren, contacts 70° TCN, py 429.6-430.4 py films on fractures	9434	0.8	429.6	430.4	.01
430.4	433.3	LAPILLI TUFF -same as 428.3-429.6 -po 5% in wisps schlieren parallel beds 430.4-433.3 po parallel oriented fragments-fragments typically more acid than enclosing matrix	9435	2.9	430.4	433.3	Tr
433.3	434.2	MIL QUARTZ -chlorite schlieren in vitreous qtz, py films as fractures, schlieren po 433.3-434.2 po segregations usually proximate to chlorite schlieren	9436	0.9	433.3	434.2	Tr
434.2	436.0	LAPILLI TUFF -abundant vari-sized lensing oriented fragments, disseminated po 434.2-436.0 po 5% in partial ash tuff, mainly disseminated po	9437	1.8	434.2	436.0	Tr
436.0	438.7	INTERMEDIATE BRECCIA -frosted with carbonate permeation, saturation, strange rock larger oriented breccia like fragments (acid-felsic) in darker matrix maybe brecciated flow top, po concentrated in darker matrix 436.0-438.7 po 5% in schlieren and disseminated in breccia fragments	9438	2.7	436.0	438.7	Tr
438.7	442.9	LAPILLI TUFF - BASIC FLOW -probable fine to medium grain flow carbonate metacrysts, fresh matrix with amphiboles in finer chlorite epidote					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
442.9	444.1	INTERMEDIATE BRECCIA -same as 436.0-438.7 -probable broken flow top					
		442.9-444.1 massive po between fragments	9439	1.2	442.9	444.1	Tr
444.1	452.5	BASIC LAVA - ANDESITE -fine grain medium green, chlorite epidote matrix, relict amphiboles at 448.0 -frothy flow top, filled with carbonate, clusters amygdules, late fractures with carbonate fill-devoid of sulphides					
452.5	461.5	LAPILLI TUFF - BASIC ANDESITIC -agglomeratic portions with somewhat larger ovoidal oriented fragments, varying granularity over short length, sulphides rare, sporadic powdery magnetite, lapilli 30° TCN					
461.5	468.5	QUARTZ CHERT CARBONATE BRECCIA -pseudo fault breccia, too many continuous lenses chert to be breccia, an in situ breccia, lenses boudins chert carbonate, most 60° to 90° TCN, local fold in chert					
		461.5-463.0 sporadic schlieren po, rimming chert, no av.	9440	1.5	461.5	463.0	.01
		463.0-465.0 po 8%, trace cpy, some py over 1', general sporadic	9441	2.0	463.0	465.0	Tr
		465.0-468.5 some qtz carbonate vein within fabric, mainly barren, some py po	9442	3.5	465.0	468.5	Tr
468.5	474.0	BASIC FLOW - ANDESITE -fine grain usual chlorite amphibole epidote fine matrix, 8 to 10% disseminated magnetite (possible horizon marker) foliation 30° TCN, barren late carbonate					
474.0	479.7	QUARTZ CHERT BRECCIA -as above, many continuous lenses, tablets, chert in chloritic tuffaceous matrix					
		474.0-477.0 some qtz carbonate vein mixed with chert, minor py, trace magnetite	9443	3.0	474.0	477.0	Tr
		477.0-479.7 a vertical 1 cm qtz vein, trace py in breccia, minor py	9444	2.7	477.0	479.7	Tr
479.7	480.5	QUARTZ VEIN -minor schlieren of chlorite-sericite, trace py, contacts 40° TCN					
		479.7-480.5 relict xenolithic wisps host rock, rare trace py	9445	0.8	479.7	480.5	.01

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
480.5	482.5	QUARTZ CHERT BRECCIA - CHERT BANDS -ash tuff, quartz vein (irregular) trace sulphides	9446	2.0	480.5	482.5	.01
482.5	487.0	BASIC TO INTERMEDIATE FLOW ? LAPILLI TUFF -very fine, impossible to ascertain if fine ash particles (recrystallized) of normal matrix of fine grain lava					
487.0	503.3	CHERT TUFF -chert bands 5 mm to 3 cm comprise 50% of matrix with interlayered intermediate to basic ash tuff, sulphides py and po partially exclusive, variable through matrix, several boudins chert indicate discontinuous beds, average 30° TCN (a central section with lenses parallel core axis indicating real fold.					
		487.0-491.5 average 5% po py (ratio 4::1), segments of 10%, some nil	9447	4.5	487.0	491.5	Tr
		491.5-495.1 constant 5% po disseminated in tuff, concentration 1% cpy	9448	3.6	491.5	495.1	Tr
		495.1-497.8 predominantly chert, very minor tuuf, po in tablets	9449	2.7	495.1	497.8	Tr
		497.8-503.3 po 3% cpy, ratio 10::1, mainly tuff, po in all types	9450	5.5	497.8	503.3	Tr
503.3	529.0	INTERMEDIATE FLOW -fine to medium grain homogenous sporadic carbonate porphyroblasts, with development coarse books barren black mica, no features late carbonate fractures with knots cpy, sporadic po					
		503.3-509.0 disseminated fine po with minor cpy, po	9451	5.7	503.3	509.0	Tr
		-biotite, minor magnetite increase over 6' toward lower contact					
529.0	530.5	CHERT TUFF -chert bands 5 mm to 3 cm., 40% tuff, fine ash tuff, abundant po, py, trace cpy					
		529.0-530.5 carbonate bands interlayered with chert, heavy py, ratio po 1::1	9452	1.5	529.0	530.5	Tr
530.5	536.0	LAPILLI TUFF -obscure grey green lapilli tuff, vague round kernals in slightly darker chloritic matrix, fine po uniformly distributed					
		530.5-536.0 po 5%, mainly wispy streaks, some enclosed py, cpy	9453	5.5	530.5	536.0	.01
536.0	537.8	CHERT TUFF -as above 529.0-530.5 -identical chert tuff, heavy po 536.0-537.8 [illegible]					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
537.8	539.1	INTERMEDIATE TUFF -fine grain banded subaqueous ash tuff - several minor 3 cm chert bands 45°TCN -porphyroblasts biotite, some 2% po					
539.1	544.5	LAPILLI TUFF -somewhat agglomeratic, profusion of rounded fragments, many to 1 cm, kernals are white entirely carbonated with clusters po adjacent to fragments, sporadic po intermittent through agglomeratic and finer portions					
		539.1-542.0 po 3% interstital to round fragments, no py	9455	2.9	539.1	542.0	Tr
544.5	547.0	INERMEDIATE LAVA -fine grain light green amygdaloidal upper segment, late fractures cb					
		545.0-547.0 po 8% in clusters marginal to cb fractures	9456	2.0	545.0	547.0	.01
547.0	561.0	LAPILLI TUFF -as above 539.1-544.5 -agglomeratic, some 1 to 2 cm 'bombs'					
		552.0-557.0 po average 8% - large books lustrous black mica confuse with sulphides (minor cpy enclosed in po)	9457	5.0	552.0	557.0	.01
		557.0-561.0 variable po about 5%, much clustered biotite confuse with sulphide	9458	4.0	557.0	561.0	Tr
561.0	570.0	INTERMEDIATE LAVA -fine grain amygdaloidal light green flow with abundant explosive fragments partially resorbed in matrix, grades to partly brecciated flow with chloritic interstices grades to lapilli tuff with large fragments, contact is arbitrary occasional clustered po with late carbonate fractures -disseminated oriented clusters brown biotite-horizon marker					
570.0	576.0	INTERMEDIATE LAVA ? FRAGMENTAL TUFF -probable exhalite, many partly resorbed fragments, oriented books porphyro-blasts biotite, disseminated po					
		570.0-576.0 impossible distinguish fine po from minute biotite	9459	6.0	570.0	576.0	Tr
576.0	586.0	RHYOLITE AGGLOMERATE -brecciated, agglomeratic - possible acid flow, fractured, remobilized all fragments, some comp'n as host rock					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
		576.0-586.0 RHYOLITE AGGLOMERATE (con't)					
		576.0-580.0 large wispy lenses po, disseminated po, 10% plus po, internal inclusions py, cpy	9460	4.0	576.0	580.0	Tr
		580.0-584.0 difficult distinguish biotite from fine po, 8% po?	9461	4.0	580.0	584.0	Tr
		584.0-586.0 po 10% plus, concentrations sphalerite	9462	2.0	584.0	586.0	Tr
586.0	593.0	RHYOLITE FLOW -amygdaloidal, light grey, white silicic, late fracturing of brittle matrix cemented by sulphides, mica					
		586.0-590.0 abundance fine po interspersed with black biotite	9463	4.0	586.0	590.0	.01
		590.0-593.0 extensive brecciation and fracturing of matrix, 8% po, minor sphal	9464	3.0	590.0	593.0	Tr
593.0	650.0	INTERMEDIATE FLOW -fine grain light green grey, amygdaloidal, prolific late fracturing with po and py along breaks, random features as ropy flow top interstitial injection creamy rhyolite or bleached lava in fractures					
		593.0-597.0 po py fine through matrix - confuse with fine micas	9465	4.0	593.0	597.0	.01
		-from 600' matrix medium grain with recognizable individual crystals amphibole feldspar, abundant fine white amygdules, massive homogeneous, 1 to 2% po -from 613.0-619.0 fractured very fine grain flow top at 70° TCN (drilling along nose of fold), interstices of breaks with sulphides, porphyroblasts tourmaline					
		613.0-616.5 breaks with random oriented tourmaline, py, cpy, po, sphalerite	9466	3.5	613.0	616.5	Tr
		616.5-619.0 tourmaline, po, sphalerite, cpy in sporadic fractures	9467	2.5	616.5	619.0	.01
		-strange very fine grain epidotic contact - impossible pin down exact contact flowage features swirling along core axis, very epidotic, pocked with fine sulphides, po, py, trace cpy					
		648.0-650.0 po 3% minor exsolved py (within po) trace cpy, flowage parallel crafts	9468	2.0	648.0	650.0	Tr
650.0	707.0	INTERMEDIATE FLOW ? -unique fine grain light green matrix, entirely same matrix and composition over 57', a feld amphibole matrix enveloping a myriad of tabular and rounded -anhedral to euhedral colourless to green crystals -entirely homogeneous, some random late carbonate fractures, (profusion of prisms of black tourmaline ? along fractures as porphyroblasts)					

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DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
		650.0-707.0 INTERMEDIATE FLOW? (con't)								
		-rock fragments also abound in this melange (study might show this as type of fragmental tuff) could be crystal tuff with microscopic 'crystals', minor fine disseminated po, trace py, profusion of subhedral black porphyroblasts randomly developed								
		703.0-707.0 po may average 3%, much fine po, trace py, rare trace cpy	9469	4.0	703.0	707.0	.02			
707.0		END OF HOLE								

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-2	172.0	174.5	9403					Trace				X							
	174.5	176.5	9404					Trace				X							
	196.9	198.5	9405					.01				X							
	198.5	202.0	9406					.01				X							
	202.0	207.0	9407					Trace				X							
	207.0	212.0	9408					Trace				X							
	212.0	217.0	9409					Trace				X							
	217.0	219.5	9410					Trace				X							
	248.5	250.8	9411					Trace				X							
	297.0	302.0	9412					Trace				X							
	337.0	339.5	9413					.01				X							
	339.5	342.0	9414					Trace				X							
	342.0	344.1	9415					.01				X							
	344.1	346.2	9416					Trace				X							
	346.2	348.1	9417					Trace				X							
	348.1	354.8	9418					Trace				X							
	354.8	356.4	9419					.01				X							
	367.5	372.0	9420					Trace				X							
	372.0	373.4	9421					Trace				X							
	373.4	374.8	9422					Trace				X							
	374.8	379.0	9423					Trace				X							
	379.0	380.6	9424					Trace				X							
	383.5	385.0	9425					Trace				X							
	385.0	388.0	9426					Trace				X							
	388.0	390.2	9427					Trace				X							
	393.0	397.2	9428					Trace				X							
	397.2	402.0	9429					Trace				X							
	402.0	404.5	9430					.01				X							
	407.5	410.8	9431																

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-2 (con't)	416.6	420.2	9432					Trace				X							
	420.2	423.6	9433					.01				X							
	429.6	430.4	9434					.01				X							
	430.4	433.3	9435					Trace				X							
	433.3	434.2	9436					Trace				X							
	434.2	436.0	9437					Trace				X							
	436.0	438.7	9438					Trace				X							
	442.9	444.1	9439					Trace				X							
	461.5	463.0	9440					.01				X							
	463.0	465.0	9441					Trace				X							
	465.0	468.5	9442					Trace				X							
	474.0	477.0	9443					Trace				X							
	477.0	479.7	9444					Trace				X							
	479.7	480.5	9445					.01				X							
	480.5	482.5	9446					.01				X							
	487.0	491.5	9447					Trace				X							
	491.5	495.1	9448					Trace				X							
	495.1	497.8	9449					Trace				X							
	497.8	503.3	9450					Trace				X							
	503.3	509.0	9451					Trace				X							
	529.0	530.5	9452					Trace				X							
	530.5	536.0	9453					.01				X							
	536.0	537.8	9454					Trace				X							
	539.1	542.0	9455					Trace				X							
	545.0	547.0	9456					.01				X							
	552.0	557.0	9457					.01				X							
	557.0	561.0	9458					Trace				X							

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE from	FOOTAGE to	SAMPLE NUMBER	ASSAYED BY: BW	SW	XR	THR	VALUE Au oz/t	Ag oz/t	REFERENCE: Drill Log	Sample Book	Assay Result	Re-Assayed SAMPLE NUMBER	ASSAYED BY: BW	SW	XR	THR	VALUE Au oz/t	Ag
EG-86-2 (con't)	570.0	576.0	9459					Trace				X							
	576.0	580.0	9460					Trace				X							
	580.0	584.0	9461					Trace				X							
	584.0	586.0	9462					Trace				X							
	586.0	590.0	9463					.01				X							
	590.0	593.0	9464					Trace				X							
	593.0	597.0	9465					.01				X							
	613.0	616.5	9466					Trace				X							
	616.5	619.0	9467					.01				X							
	648.0	650.0	9468					Trace				X							
	703.0	707.0	9469					.02				X							

OROFINO RESOURCES LIMITED

Property: EARNCEY
Location:
Co-ordinates: L13+00N @ 0+00EL.

HOLE: EG-86-3
Core size: AQ

DRILLING COMPANY:

DRILL LOG

Section:
Length: 307'
Elevation:
Azimuth: 300° Dip: -45°

Dip Tests:
Started: Aug. 15, 1986
Completed: Aug. 16, 1986
Logged by: Warren Gilman

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	10.0	CASING					
10.0	65.0	INTERMEDIATE FLOW -fine grain to slight medium grain, green grey, matrix is epidotic with individual amphiboles and feldspar with interstitial chlorite, rare trace py, late carbonate fractures with pyrite, flow lines (movement during crystalization) evident in matrix -at 14' metacrysts of subhedral carbonate abundant with preferred orientation 30° to 40° TCN, carbonate metacrysts in variable proportion through to 65' -abundant fine oriented leucoxene parallel carbonate metacrysts					
65.0	67.0	CHERT TUFF -pods, lenses, boudins, chert with intervening contorted tuff, pyrite in lenses parallel contortion in tuff, chert comprises 30% of rock fabric (note - 3' of core probably ground up around 65-67) short in box					
		65.0-67.0 pyrite 3% in schlieren within tuff along foliation	9470	2.0	65.0	67.0	Tr
67.0	77.0	CHERT TUFF -as above, not contorted, bedding regular, chert boudins variable with predominance of chert lenses all parallel to delicately banded subaqueous tuff, 30° TCN					
		67.0-72.0 variable pyrite with some po in chert and tuff, average 5%	9471	5.0	67.0	72.0	Tr
		72.0-77.0 chloritic tuff predominant, minor chert, po nodules random	9472	5.0	72.0	77.0	Tr
77.0	85.3	GRAPHITE SEDIMENT -banded graphite, chert and fibrous 'epidote'? in alternating lenses 3-5 mm to 1 cm., 20° TCN to 40°, abundant sulphides in situ, parallel bedding and regenerated in fractures at oblique angles					
		77.0-79.5 ratio py-po 1::1, average 8%, seams boudins parallel bed	28198	2.5	77.0	79.5	Tr
		79.5-82.0 abundant chert lenses tablets, some 2.5 cm to 5, massive graphite	28199	2.5	79.5	82.0	Tr
		82.0-85.3 ovoidal xenoliths lava, graphite av 3% po, some concentrations 8 to 10% in situ py, all 30° TCN	28200	3.3	82.0	85.3	Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
85.3	97.0	CHERT TUFF -essentially same as chert tuff above, variable chert in pods, lenses with intervening fine ash tuff, po in isolated pods, some disseminated po, 20° to 30° TCN, all features parallel, some massive pyrite					
		85.3-89.0 some short beds lapilli tuff, very fine disseminated ovoidal po	9473	3.7	85.3	89.0	Tr
		89.0-92.0 py massive 4 cm at 90', random lenses po 8% in chert rich tuff	9474	3.0	89.0	92.0	.01
		92.0-97.0 overprint of silica-carbonate melange of complete saturation, 8% s.	9475	5.0	92.0	97.0	Tr
97.0	103.0	LAPILLI TUFF -abundance fine ovoidal kernals 60% of matrix, all oriented 30° TCN, some fine ash tuff bands, white lapilli enwrapped by chlorite sericite matrix					
		97.0-103.0 chert nodules rafted into matrix, only trace sulphides	9476	6.0	97.0	103.0	.01
103.0	146.6	BASIC FLOW - ANDESITE -fine grain to medium grain, medium green, chloritic amphibole, plagioclase in fine epidote chlorite, carbonate matrix - random acicular metacrysts carbonate (single crystals to 1 cm long), clustered metacrysts concentrated about 10 cm apart, smaller lone metacrysts throughout -large segments barren of sulphides, other local zones with 2% po and concentrations py, po in thin fractures 2 to 4 mm at odd angles -foliation appears 30° to 40° TCN, several random segments pillow selvedge with quartz epidote centers and rimmed with fine grain lava fabric -usual late carbonate 2 mm wide fractures often devoid of sulphides, gradual more coarse fabric to lower contact (indicating reversal of expected)					
146.6	150.0	CHERT TUFF -chert bands, tablets with alternate layers chloritic dark and light green bands, selective silica saturation along upper 2' with fracturing post silication, 5% po					
		146.6-150.0 variable sulphide (po) content, greater with silicated part	9477	3.4	146.6	150.0	Tr
150.0	171.4	BASIC FLOW - ANDESITE -changeable fabric over short segments, from coarse grain to very fine grain to coarse grain with sporadic anygdules, perhaps repetition of several thin flows, several coarse and fine contacts over length, finer grain on downhill side -from 162.4 to 162.9 a segment of lapilli tuff with 60% white ovoidal fragments much metacrystic acicular carbonate toward lower contact -164.0 to 171.4 random minor fine po, py, powdery magnetite					

OROFINO RESOURCES LIMITED

Hole No. EG-86-3

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
171.4	172.2	QUARTZ VEIN -irregular, upper contact 45° TCN, vein runs along core axis - rim of volcanic rock					
		171.4-172.2 rim of pyrite at margin of qtz vein and lava, some po	9478	0.8	171.4	172.2	Tr
172.2	207.0	INTERMEDIATE LAVA -bleached altered, carbonated, silicified (wide zone of alteration) -probable original Intermediate Lava - now altered bleached to grey white -variable granularity as in above flow series, some of matrix appears remobilized probably near flow tops					
		172.2-177.0 disseminated fine po in matrix, 1 cm qtz vein with clumps po	9479	4.8	172.2	177.0	Tr
		177.0-182.0 saturated completely with mix carbonate and silica, schlieren po	9480	5.0	177.0	182.0	Tr
		182.0-187.0 epidotic recrystallized fine matrix, augen fine po, av 4%	9481	5.0	182.0	187.0	Tr
		187.0-192.0 entire fabric recrystallized unpredictable amount py, po	9482	5.0	187.0	192.0	Tr
		192.0-197.0 fine py uniformly disseminated through epidotic fabric	9483	5.0	192.0	197.0	Tr
		197.0-202.0 minor tuff bands in obscure frosted matrix, massive 1 cm pyrite	9484	5.0	197.0	202.0	Tr
		202.0-207.0 some minor tuff, matrix so bleached recrystallized the original fabric undecipherable -- some vein qtz, an intense silica carbonate saturation, sporadic po, av 5%, biotite metacrysts	9485	5.0	202.0	207.0	Tr
207.0	307.0	BASIC LAVA - ANDESITE -general medium grain, medium green, series of successive flows, av 15' to 18' thick with short fine grain segments near contacts -several pseudo fine grain segments sheared segemtns with acicular metacrysts amphibole in slight schistose fabric 50° TCN, some contorted amygdules parallel -general amygdules are sporadic, varisized to 5 mm, late carbonate fractures mainly barren, minor fine pyrite and random in matrix, narrow qtz epidote vns -at 243' qtz carbonate 5 cm vein					
		257.7-263.7 zone of carbonate saturation, metacrysts amphibole < 1% py po (3 cm lamprophyre at 263.7) contact 10° TCN					
		277.8-278.8 qtz carbonate 1' vein with relict inclusions partly resorbed graphite, trace po, py, cpy	9486	1.0	277.8	278.8	Tr
	307.0	END OF HOLE					

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-3	65.0	67.0	9470					Trace				X							
	67.0	72.0	9471					Trace				X							
	72.0	77.0	9472					Trace				X							
	77.0	79.5	28198					Trace				X							
	79.5	82.0	28199					Trace				X							
	82.0	85.3	28200					Trace				X							
	85.3	89.0	9473					Trace				X							
	89.0	92.0	9474					.01				X							
	92.0	97.0	9475					Trace				X							
	97.0	103.0	9476					.01				X							
	146.6	150.0	9477					Trace				X							
	171.4	172.2	9478					Trace				X							
	172.2	177.0	9479					Trace				X							
	177.0	182.0	9480					Trace				X							
	182.0	187.0	9481					Trace				X							
	187.0	192.0	9482					Trace				X							
	192.0	197.0	9483					Trace				X							
	197.0	202.0	9484					Trace				X							
	202.0	207.0	9485					Trace				X							
	277.8	278.8	9486					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNEY
Location: 12.5 Meters W of BL on L12N+00N
Co-ordinates:
HOLE: ~~BG-86-4~~
Core size: AQ

DRILLING COMPANY:

Section:
Length: 207'
Elevation:
Azimuth: 300° Dip: -45°

Dip Tests: 207' -42°
Started: Aug. 16/86
Completed: Aug. 17/86
Logged by: Arne Moore

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	10.0	CASING					
10.0	94.7	BASIC FLOW - ANDESITE -medium grain, medium green, amygdaloidal carbonate rich, several bleached, siliceous epidotic, amygdaloidal sections which are pale yellow green, probably hard bleached tops of andesitic flows, 1% po, trace py -darker green variety is fine to medium grain, soft and contains carbonate amygdules and carbonate metacrysts (locally), trace po -two 0.5' qtz veins at 12.0' to 19.6'contain carbonate and at 19.6' tourmaline with 1% pyrite	9738	0.8	19.1	19.9	Tr
		51.3-53.3 1-2% po, trace pyrite	9739	2.0	51.3	53.3	Tr
		64.0-68.4 1-2% po, trace pyrite	9740	4.4	64.0	68.4	Tr
		69.0-72.5 contains short intervals of bleached epidotic variety with dark green variety with carbonate amygdules, qtz-carbonate veining with po/py (1-2%), also replacement po in amygdular form NOTE: pale yellow-green epidotic, siliceous flows could be called intermediate but are probably the altered equivalent of the dark green more basaltic variety; foliation 40° TCN	9741	4.5	69.0	72.5	Tr
		-several carbonate qtz-carbonate veins and stringers -from 82.0 to 88.0 parallel to core axis (1/2 cm wide) barren					
94.7	97.4	QUARTZ - TOURMALINE VEIN -hard, siliceous, grey-black, abundant hard black crystalline mineral, probably tourmaline occurs in stringers of crystal aggregates -contains fragments of host andesite; 2-3% disseminated po, some pyrite, sharp contacts are steep (50 to 70° TCN).	9742	2.7	94.7	97.4	Tr
97.4	102.5	INTERMEDIATE FLOW -medium grain, bleached, pale yellow-green, siliceous epidotic amygdaloidal interlayered flow tops -po disseminated randomly; average 1%					

OROFINO RESOURCES LIMITED

Hole No. EG-86-4

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
102.5	105.8	LAMPROPHYRE DYKE -fine to medium grain, grey-black, abundant carbonate and biotite, soft -contains very dark silicified sections, no sulphides -contacts sharp 60° TCN					
105.8	120.0	INTERMEDIATE TUFF -broad-banded, light green, rhythmical banding, light yellowish chlorite (?) laminations alternating with lapilli-rich green bands					
		105.3-107.0 brecciated silicified, contains 10% po kernels in matrix and saturation segments, soaking and parallel to foliation, lone segregated pyrite and py/po mix; po < py	28254	1.7	105.3	107.0	Tr
		107.0-110.0 brecciated, silicified, lapilli tuff with 10% pyrite, 1% cpy, 3% po, black prisms/acicular crystals of tourmaline, py < po	28255	3.0	107.0	110.0	Tr
		110.0-111.0 2-3% disseminated po					
		-lower contact brecciated and partially silicified; bedding 40° TCN					
120.0	140.3	INTERMEDIATE AGGLOMERATE -grey-green, rounded (some angular) acid lapilli fragments in darker chloritic matrix, recrystallization of matrix and resorbtion of margins of fragments, no sulphides except from 136.1-138.7					
		136.1-138.7 beside qtz veining, wallrock has 3-4% po, trace py	9743	2.6	136.1	138.7	Tr
140.3	207.0	INTERMEDIATE FLOW -several light gree, epidotic, fine grain to medium grain amydaloidal flows -carbonate amygdules common, probably near flow tops -metacrysts of carbonate and bioite; local qtz carbonate veining -at 168.0' strong foliation (55-60° TCN) developed with narrow qtz carbonate vein and coarse grain biotite; no sulphides.					
	207.0	END OF HOLE					

OROFINO
RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-4	19.1	19.9	9738					Trace				X							
	51.3	53.3	9739					Trace				X							
	64.0	68.4	9740					Trace				X							
	69.0	72.5	9741					Trace				X							
	94.7	97.4	9742					Trace				X							
	105.3	107.0	28254					Trace				X							
	107.0	110.0	28255					Trace				X							
	136.1	138.7	9743					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNGEY
Location:
Co-ordinates: L10+70N 50mE

HOLE: EG-86-5
Core size: AQ

DRILLING COMPANY:

DRILL LOG

Section:
Length: 407'
Elevation:
Azimuth: 120° Dip: -45°

Dip Tests:
Started: Aug. 18, 1986
Completed: Aug. 19, 1986
Logged by: Warren Gilman

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	4.0	CASING					
4.0	9.8	BASIC FLOW - ANDESITE -very fine grain, dark grey-green, sheared, strong foliation 70° TCN, amygdules stretched parallel, limonitic joint planes, matrix amorphous, sulphides 5% stretched in lenticles parallel foliation					
		4.0-7.2 predominantly po, less pyrite, trace cpy, all sulphide along foliation	9487	3.2	4.0	7.2	Tr
		7.2-8.7 qtz vein and host rock, vein parallel C Axis, sporadic po py	9488	1.5	7.2	8.7	Tr
9.8	14.8	QUARTZ VEIN -frosted white, limonitic, chloritic irregular vein - much xenolithic host, massive chlorite margins, sporadic clustered tourmaline, contacts 45° TCN					
		9.8-14.8 actual 4' core, (some ground) po with minor pyrite along vein rim	9489	5.0	9.8	14.8	Tr
14.8	42.0	BASIC FLOW - ANDESITE -very fine grain anygdaloidal, white carbonate anygdules to 5 mm., sheared 60° to 70° TCN, amygdules lensing parallel foliation, grading at 27.0 to dark green grey chloritized sheared matrix, sulphides predominant po are sporadic -most segments nil, fine magnetite random -from 29.0 to 33.0' imbricate stringers, carbonate-epidote parallel foliation -several chert lenses 60° TCN at 36'; 1% sulphides from 35 to 42' reverts to normal green with homogeneous matrix with fine metacrysts carbonate					
42.0	45.0	QUARTZ - CARBONATE - EPIDOTE VEIN -massive epidote cut by qtz 70° TCN, much host rock, 50% vein 50% host, late stage qtz					
		42.0-45.0 isolated knots po with cpy, almost no sulphides	9490	3.0	42.0	45.0	.01

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
45.0	95.7	BASIC FLOW - ANDESITE -highly variable granularity, perhaps in nose of fold, alternation of fine amygdaloidal with coarse (amphibolitic) fabric from coarse amphibole aligned 60° TCN -from 54.0-57.0 3' flow top with dark green amygdules 80° TCN (drilling along top), en echelon qtz epidote fractures, trace pyrite					
		57.7-59.7 several qtz epidote imbricate stringers, vein 10 cm., magnetite	9491	2.0	57.7	59.7	Tr
		-from 80.0-87.5 fine grain flow top, amygdules to 5 mm (white), foliation 90° TCN					
		87.5-91.7 irregular vein qtz, massive chlorite rims, trends along core, trace pyrite po	9492	4.2	87.5	91.7	Tr
		-from 91.7-95.7 sheared fine grain carbonated flow, a shear induced banding (pseudo tuff)					
95.7	117.7	INTERMEDIATE AGGLOMERATE -fine grain light grey, oriented fragments ovoidal, lensing 60° to 70° TCN -most disseminated po interstitial, some disseminated in fragments, po and py extreme variable from nil to 5%, erratic fine magnetite, some qtz and qtz carbonate saturation of rock fabric, bleaching and sericitization -fine sulphides and magnetite intermingled; upper contact sharp-distinct 70°TCN					
		95.7-100.0 erratic disseminated po, some py, fine magentite, folt'n 70-80°TCN	9493	4.3	95.7	100.0	Tr
		100.0-105.0 some fine po, erratic, much near barren, po in late cb fractures	9494	5.0	100.0	105.0	Tr
		105.0-110.0 po mainly in lenticles parallel folt'n, isolated knots py, fine magnetite	9495	5.0	105.0	110.0	.01
		110.0-115.0 agglomerate breccia, denotes movement, interstices cemented with po, mica	9496	5.0	110.0	115.0	Tr
		115.0-117.7 lenticular po in interstices, random, some 3 cm qtz vein, fine py	9497	2.7	115.0	117.7	Tr
117.7	120.6	LAMPROPHYRE DYKE -medium to coarse grain, dark grey-white (salt pepper); homogeneous equigrained chlorite, biotite, amphiboke, carbonated feld., rounded knots carbonate near upper contact to 1 cm; contacts 60° TCN, trace very fine pyrite, soft matrix carbonitized					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
120.6	145.0	INTERMEDIATE AGGLOMERATE -as above 95.7-117.7 -rock fabric altered to point of mild carbonate saturation, shearing 60° to 80° TCN, en echelon 1 mm., carbonate fractures, local strong magnetite along shear mini-zones, py po ratio 1::1					
		120.6-125.0 py, po 5% mainly interstices of fragments	9498	4.4	120.6	125.0	Tr
		125.0-130.0 much py internal within po schlieren as if exsolved 3 to 4% sulph.	9499	5.0	125.0	130.0	Tr
		130.0-135.0 po drawn into lenticles parallel foliation, much local magnetite	9500	5.0	130.0	135.0	Tr
		135.0-140.0 predominantly fine lenticles po, trace py, average 3%	9601	5.0	135.0	140.0	Tr
		140.0-145.0 some shears with chlorite have strong magnetite, po, py, trace cpy	9602	5.0	140.0	145.0	Tr
145.0	174.4	BASIC TO INTERMEDIATE FLOW -bleached, light green, carbonated chloritic, sheared, some 5 cm agglomeratic segments, some short tuff bands, possible pillow lava with small agglomeratic rims and partial tuff on pillow selvedges; shear 60 to 70° TCN, en echelon late carbonate fractures with magnetite, po, shear local so intense induces tuff like fabric					
		145.0-150.0 1 mm clots po 5% plus of matrix, probable very fine magnetite	9603	5.0	145.0	150.0	Tr
		150.0-155.0 magnetite disseminated 5%, lesser po, concentrated on cb shears	9604	5.0	150.0	155.0	Tr
		155.0-160.0 increase shear with 8% magnetite, associated po in carbonate	9605	5.0	155.0	160.0	Tr
		160.0-165.0 erratic magnetite, much is 10% with some increase po	9606	5.0	160.0	165.0	Tr
		165.0-174.4 magnetite 8% in single euhedral crystals, very minor po	9607	9.4	165.0	174.4	Tr
174.4	207.5	INTERMEDIATE AGGLOMERATE -rock fabric altered with mild carbonate saturation bleached, sheared, varying foliation 45 to 65° TCN, all lenticular fragments pronounced orientation, some chert tablets, fractured with silica carbonate cement, some silica rich cement indicates silicification at some stage					
		174.4-177.0 po erratic late 1 cm qtz vein with strong po, magnetite constant	9608	2.6	174.4	177.0	.01
		177.0-182.0 po erratic disseminated magnetite 5%, thin lenticles po tr 1 cm	9609	5.0	177.0	182.0	.01
		182.0-187.0 po in fragments and in interstices with silica medium	9610	5.0	182.0	187.0	Tr
		187.0-192.0 po erratic all in fragments suggests xstallization external, tr py	9611	5.0	187.0	192.0	Tr
		192.0-197.0 ubiquitous small tablets, knots po all in allochthous fragments	9612	5.0	192.0	197.0	Tr
		197.0-202.0 as above, seems devoid of pyrite, magnetite	9613	5.0	197.0	202.0	Tr
		202.0-207.5 lesser po, still same association, confined to fragments	9614	5.5	202.0	207.5	Tr
207.5	208.4	LAMPROPHYRE DYKE -*fine to medium grain dark* green, fine grain contacts 40° TCN, pocked with white carbonated feldspar, amphibole, chlorite matrix					

OROFINO RESOURCES LIMITED

Hole No. EG-86-5 Page 4 of 5

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
208.4	210.8	INTERMEDIATE AGGLOMERATE (BRECCIA) -angular oriented fragments with very light grey interstial cement of silica epidote, usual erratic po in tablets					
210.8	211.8	LAMPROPHYRE DYKE -as described above -contacts 45° TCN					
211.8	218.2	INTERMEDIATE AGGLOMERATE -more intense post breccia silica, carbonate, epidote saturation, resorbtion of fragments and margins of, relict fragments as vague ghosts in siliceous matrix, matrix exceed fragments in volume, po confined to fragments, orientation 60° TCN					
218.2	222.8	ANDESITE AGGLOMERATE -medium green, sheared, some textures as 211.8-218.2 but rich green basic composition, a pronounced 1' wide kernal filled lower contact					
222.8	272.2	BASIC FLOW - ANDESITE -medium grain, medium green, strongly epidote saturated matrix, matrix of amphiboles, chlorite, epidotic feldspar, leucoxene, myriad of fine fractures parallel to core with epidote fill, amygdules green and white, untouched by alteration, trace fine pyrite, po orineted fabric at 60° TCN, several 3-5 cm qtz carbonate barren veins					
272.2	282.0	INTERMEDIATE AGGLOMERATION -sheared, altered, bleached, 'marbilized, saturated with carbonate silica, fragments partly resorbed, injected material chloritic, a thin late stage fracture system of silica, 1 mm veinlets, po ubiquitous upper contact a shatter zone with strong pyrite and chlorite interstices 272.2-277.0 pyrite 5% near upper contact, erratic po, some 5%, some nil, po in fragments	9615	4.8	272.2	277.0	Tr
282.0	283.5	ANDESITE FLOW -fine grain medium green, chlorite metacrysts, amphiboles, 5% py, po, contact 45° TCN					

OROFINO RESOURCES LIMITED

Hole No. EG-86-5 Page 5 of 5

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
283.5	287.4	LAMPROPHYRE DYKE -fine to medium grain, inclusions chloritic host, very slight foliation of fabric homogeneous, equigrained, soft carbonated matrix					
287.4	303.5	INTERMEDIATE AGGLOMERATE -light grey green, fine grain, sheared, qtz and carbonate saturation -several stages of injection to 'marbilized' agglomerate - subrounded partly resorbed altered felsic fragments with silica epidote interstices and late quartz carbonate along fractures, fine sulphides appear associated with all stages of alteration, injections -from 289.4-290.2 a late qtz tourmaline saturation, relict matrix intact					
		287.4-292.0 lenticular streaks po, some streaks py, po 5% (feature of all this rock is much internal pyrite within some po)	9616	4.6	287.4	292.0	Tr
		292.0-297.0 many fragments lapilli tuff, often pyrite exclusive of po, suggest two ages	9617	5.0	292.0	297.0	Tr
		297.0-303.5 tourmaline qtz late stage, po seems present all stages alteration	9618	6.5	297.0	303.5	Tr
303.5	396.1	LAPILLI TUFF -intermediate comp'n light green, multitude of fine oriented fragments 60° TCN -some short in folds of green lava, drilling near contact lapilli tuff with lava much 80° and 90° TCN, fine po erratic but continued from 5% to 1%					
		327.0-332.0 representative section, fine po, confuse with black mica metacryst	9619	5.0	327.0	332.0	Tr
		-from 332.0-337.0 nose of fold with debris parallel to core, soem rhyolite (rounded fragments) to 5 cm.					
		361.0-367.0 some greater po than average, trace cpy internal in po, minor py	9620	6.0	361.0	367.0	Tr
396.1	407.0	BASIC FLOW - ANDESITE -medium grain, epidotic carbonated matrix, chloritic amphiboles, vague carbonated remnants of feldspar with recrystallized carbonate, leucoxene chloritic upper contact (massive chlorite 5% py .9' -at 400' a 5 cm carbonated vein barren, foliation 40 to 60° TCN, minor py, po in matrix					
	407.0	END OF HOLE					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
283.5	287.4	LAMPROPHYRE DYKE -fine to medium grain, inclusions chloritic host, very slight foliation of fabric homogeneous, equigrained, soft carbonated matrix					
287.4	303.5	INTERMEDIATE AGGLOMERATE -light grey green, fine grain, sheared, qtz and carbonate saturation -several stages of injection to 'marbilized' agglomerate - subrounded partly resorbed altered felsic fragments with silica epidote interstices and late quartz carbonate along fractures, fine sulphides appear associated with all stages of alteration, injections -from 289.4-290.2 a late qtz tourmaline saturation, relict matrix intact					
		287.4-292.0 lenticular streaks po, some streaks py, po 5% (feature of all this rock is much internal pyrite within some po)	9616	4.6	287.4	292.0	Tr
		292.0-297.0 many fragments lapilli tuff, often pyrite exclusive of po, suggest two ages	9617	5.0	292.0	297.0	Tr
		297.0-303.5 tourmaline qtz late stage, po seems present all stages alteration	9618	6.5	297.0	303.5	Tr
303.5	396.1	LAPILLI TUFF -intermediate comp'n light green, multitude of fine oriented fragments 60° TCN -some short in folds of green lava, drilling near contact lapilli tuff with lava much 80° and 90° TCN, fine po erratic but continued from 5% to 1%					
		327.0-332.0 representative section, fine po, confuse with black mica metacryst	9619	5.0	327.0	332.0	Tr
		-from 332.0-337.0 nose of fold with debris parallel to core, soem rhyolite (rounded fragments) to 5 cm.					
		361.0-367.0 some greater po than average, trace cpy internal in po, minor py	9620	6.0	361.0	367.0	Tr
396.1	407.0	BASIC FLOW - ANDESITE -medium grain, epidotic carbonated matrix, chloritic amphiboles, vague carbonated remnants of feldspar with recrystallized carbonate, leucoxene chloritic upper contact (massive chlorite 5% py .9' -at 400' a 5 cm carbonated vein barren, foliation 40 to 60° TCN, minor py, po in matrix					
	407.0	END OF HOLE					

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-5 (con't)	272.2	277.0	9615					Trace				X							
	287.4	292.0	9616					Trace				X							
	292.0	297.0	9617					Trace				X							
	297.0	303.5	9618					Trace				X							
	327.0	332.0	9619					Trace				X							
	361.0	367.0	9620					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNGEY
Location:
Co-ordinates: L11+00N - Base Line
2 meters west of: (?)
Section:
Length: 207'
Elevation:
Azimuth: 300° Dip: -45°

HOLE: EG-86-6
Core size: AQ

Dip Tests:
Started: Aug. 17, 1986
Completed: Aug. 18, 1986
Logged by: Warren Gilman

DRILLING COMPANY:

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	4.0	CASING					
4.0	207.0	BASIC FLOW - ANDESITE -series of successive flows with very fine grain amygdaloidal epidotic bleached tops progressing to a medium grain to fine amygdaloidal central portion with abundant green and white amygdules which are unaffected by alteration, tops are pale green, centres medium green, continuous rhymical alteration pale green yellow to green -sulphides erratic disseminated pyrite or po, average 1-2%, several 5-10 cm qtz, qtz carbonate, and carbonate veins, erratic po, some pyrite, random coarse po, usually with epidotic bleached flwo tops (highly silicic) -prevailing orientation amygdules foliation 10-20° TCN	9621	5.4	4.0	9.4	Tr
		52.0-54.0 epidotic flow top with .7' qtz vein, pyrite films on fractures contacts 60° TCN	9622	2.0	52.0	54.0	Tr
		-from 79.0 to 106.5 a bleached epidote saturated light green flow, could be interpreted as intermediate but probable original basalt through alteration has become andesitic-dacitic, characteristics are light yellow-green, very fine grain, very small abundant colourless amygdules; late fractures (rare) with epidotic alteration, very minor late carbonate fractures					
		83.8-87.0 late carbonate fractures with isolated clots po; fine po in matrix	9623	3.2	83.8	87.0	Tr
		87.0-92.0 isolated 3 to 5 mm bands massive po, disseminated 3% plus po	9624	5.0	87.0	92.0	Tr
		92.0-95.0 some thin bands massive po, disseminated 5% po in late carbonate fractures, in matrix, not confined to single structure	9631	3.0	92.0	95.0	Tr
		95.0-97.0 as above, po constant in every mini-structure	9625	2.0	95.0	97.0	Tr
		97.0-103.5 fabric vaguely tuffaceous, such recrystallization difficult to be certain, tendency to banding could be recrystalization along foliation, py clustered 8%, a barren 10 cm qtz vein	9626	6.5	97.0	103.5	Tr
		103.5-106.5 po 3%, erratic, py as core of coarser po	9627	3.0	103.5	106.5	Tr

OROFINO RESOURCES LIMITED

Hole No. EG-86-6 Page 2 of 2

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
		4.0 - 207.0 BASIC FLOW - ANDESITE (con't)								
		-from 106.5-207.0 a succession of basic (andesitic) flows with alternate medium grain and fine grain segments, amygdules abundant in medium grain -tops typically roapy, fine grain bleached with interstial darker chloritic rock usually with black mica metacrysts in clumps, angular lapilli fragments common in tops, po sporadic, minor py								
		120.0-122.0 a 20 cm qtz epidote vein with clots clustered tourmaline, 3% po	2928	2.0	120.0	122.0	Tr			
		128.0-131.0 irregular 4 cm qtz carbonate vein running along core, clots or acicular, prismatic black tourmaline	2929	3.0	128.0	131.0	Tr			
		202.0-207.0 fine disseminated po, erratic from 5% to nil, fine po in amygdules	9630	5.0	202.0	207.0	Tr			
	207.0	END OF HOLE								

OROFINO
RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag o
EG-86-6	4.0	9.4	9621					Trace				X							
	52.0	54.0	9622					Trace				X							
	83.8	87.0	9623					Trace				X							
	87.0	92.0	9624					Trace				X							
	92.0	95.0	9631					Trace				X							
	95.0	97.0	9625					Trace				X							
	97.0	103.5	9626					Trace				X							
	103.5	106.5	9627					Trace				X							
	120.0	122.0	9628					Trace				X							
	128.0	131.0	9629					Trace				X							
	202.0	207.0	9630					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNCEY
Location:
Co-ordinates: L10+00N, 20 m east

HOLE: EG-86-7
Core size: AQ

DRILLING COMPANY:

Section:
Length: 207'
Elevation:
Azimuth: 300° Dip: -45°

Dip Tests:
Started: Aug. 18, 1986
Completed: Aug. 19, 1986
Logged by: Warren Gilman

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	4.0	CASING					
4.0	43.0	BASIC FLOW - ANDESITE -medium grain, medium green, amygdaloidal carbonate rich, several interlayered epidotic siliceous bleached fine grain amygdaloidal segments which are pale yellow green, these are hard bleached tops of andesitic flows where lengths are extensive will be classed as intermediate composition (more probable silicified andesite) -dark green variety usually medium green soft, some carbonate amygdules (local) and carbonate metacrysts, minute amphiboles, trace po -epidotic light grey variety siliceous, myriad coarse and fine amygdules, some recrystallized metacrysts amphibole, 1-2% po, fine grain -from 14.0-17.5 epidote rich silicated -from 19.5-23.0 as above with intervening darkger green medium grain carbonate basic flow with extensive carbonate metacrysts					
43.0	62.2	INTERMEDIATE FLOW -fine grain light yellow green epidotic amygdaloidal matrix, very irregular roapy altered upper contact, several short breccia zones with basic flow fragments cemented by epidotic siliceous injecta 52.0-57.0 contains a 10 cm carbonated mini-breccia pillow selvedge with metacrysts black biotite and interspersed po, lone knots po in matrix	9632	5.0	52.0	57.0	Tr
62.2	64.6	LAMPROPHYRE DYKE -fine to medium grain, dark grey, profusion vari-sized metacrysts carbonate, clustered rosettes black mica, soft, some remnants coarse feldspar -upper contact 60°TCN, central xenolith Intermediate Lava, lower contact 5°TCN					
64.6	144.0	INTERMEDIATE FLOW -series of successive light green grey flows, colour dependant on degree of silication, coarse grain from 82.0-106.0 less alteration, rock is medium grain darker green, softy below a cherty contact between flows at 81'					

OROFINO RESOURCES LIMITED

Hole No. EG-86-7 Page 2 of 2

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
		64.6-144.0 INTERMEDIATE FLOW (con't)					
		-po erratic but continually present, py erratic usually fine, foliation and orientation amygdules constant 30° TCN -from 106.0' fractures 1 mm to 1 cm with silica epidote filling; late carbonate fractures cut silica epidote					
		118.0-120.0 several lenses 5 mm, po at contact of two flow, matrix po	9633	2.0	118.0	120.0	Tr
		120.0-125.5 considerable po in qtz epidote fractures, matrix po	9634	5.5	120.0	125.5	Tr
		125.5-132.0 po 5 to 8% in highly amygdaloidal silicic grey lava	9635	6.5	125.5	132.0	Tr
		132.0-137.0 po 5 to 8%, sinlge clusters py	9636	5.0	132.0	137.0	Tr
		137.0-144.0 po 5 to 8%, amygdaloidal bleached silicified cpy within po	9637	7.0	137.0	144.0	.01
144.0	160.0	INTERMEDIATE AGGLOMERATE -very light green angular acid lapilli fragments in darker chloritc matrix, profuse recrystallization of matrix and resorbtion of margins of fragments, liberal po injection between fragments					
		144.0-147.0 po 5% in cementing seams of agglomerates	9638	3.0	144.0	147.0	Tr
		147.0-150.2 po erratic, 3 to 5%, some 3 cm qtz veins with po	28256	3.2	147.0	150.2	Tr
		150.2-152.0 po 10%, 3% py, 1% cpy, po aligned along cementing fractures	28257	1.8	150.2	152.0	.01
		152.0-154.3 po 17%, py 3%, massive saturation along foliation, 1% cpy, 4 cm massive po segregations, large crystals probable tourmaline chert, bands dam off massive sulphides both contacts	28258	2.3	152.0	154.3	Tr
		154.3-160.0 lapilli tuff sub-rounded bombs and fragments in chloritic matrix with brecciation of some fragments, minor po	9639	5.7	154.3	160.0	Tr
160.0	207.0	BASIC FLOW - ANDESITE -succession of fine grain to slight medium grain flows with fine grain amygdaloidal tops, partially recrystallized matrix of carbonated feldspar, chloritic amphibole with interstitial carbona epdiote, chlorite, metacrysts of carbonate and fine clustered black biotite, some pyrite films on joints, some fractures with qtz epidote, barren, no sulphides except pyrite films, foliation 50-60° TCN, qtz carbonate veins 5 cm at 197 and 198', barren, contacts 45° TCN					
	207.0	END OF HOLE					

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag oz/t
EG-86-7	52.0	57.0	9632					Trace				X							
	118.0	120.0	9633					Trace				X							
	120.0	125.5	9634					Trace				X							
	125.5	132.0	9635					Trace				X							
	132.0	137.0	9636					Trace				X							
	137.0	144.0	9637					.01				X							
	144.0	147.0	9638					Trace				X							
	147.0	150.2	28256					Trace				X							
	150.2	152.0	28257					.01				X							
	152.0	154.3	28258					Trace				X							
	154.3	160.0	9639					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNGEY
Location:
Co-ordinates: L10+00N 0+74 mt east

HOLE: EG-86-8
Core size: AQ

DRILLING COMPANY:

Section:
Length: 227'
Elevation:
Azimuth: 120° Dip: -45°

Dip Tests:
Started: Aug. 19, 1986
Completed: Aug. 20, 1986
Logged by: Warren Gilman

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	4.0	CASING					
4.0	44.2	BASIC FLOW - ANDESITE -fine to medium grain medium green, amygdaloidal and massive segments alternate -a fine to medium grain matrix of chloritic amphibole, contacted feldspar, carbonate and chlorite metacrysts, epidote through matrix, soft -upper 5' sheared, mildly shattered recrystallized local shears 60° TCN, some jagged fracturing with infill of qtz epidote, some bull qtz (2 cm) and 11' and 16' with epidotic bleaching, minor py.					
44.2	46.0	QUARTZ CARBONATE VEIN -fractured bull qtz with minor xenoliths bleached host, contacts 60° TCN 44.2-46.0 pyrite films on fracture, minor segregations po, po contacts, oriented 60° TCN	9640	1.8	44.2	46.0	Tr
46.0	61.5	INTERMEDIATE OR BASIC FLOW -fine grain light green, silicified, produces effect of Intermediate comp'n due to shearing bleaching, actually original basalt-andesite, well sheared fragmented steep 70° TCN -drilling along dip, multiple fractures lined with dark mica, po					
		46.0-48.5 steep qtz vein 80° TCN, py along fractures, clots po in lava	9641	2.5	46.0	48.5	Tr
		48.5-49.3 qtz carbonate vein with solid schlieren py in vein, largely barren	9642	0.8	48.5	49.3	Tr
		49.3-54.0 stretched amygdules, fractured laced with massive pyrite	9643	4.7	49.3	54.0	Tr
		54.0-57.0 pyrite in fractures, erratic, no average po lacing fractures	9644	3.0	54.0	57.0	Tr
		57.0-61.5 as above, fractrues with sulphides, py, po, trace sulphides in amygdules	9645	4.5	57.0	61.5	Tr
61.5	62.5	LAMPROPHYRE DYKE -medium grain dark grey black, soft, single crystals carbonate (after feld) pock matrix, single amphiboles in finer matrix of carbonate, chlorite, black mica, contacts 45° TCN					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
62.5	79.4	INTERMEDIATE OR BASIC FLOW -sheared, bleached, fine grain amygdaloidal, abundant late fractures with po lacing fabric of rock, sulphides proportional to fracturing, drilling nearly down dip, grey colour, hard, silicic					
		62.5-67.0 heavily fractured, laced with po, trace cpy, pyrite within po	9646	4.5	62.5	67.0	Tr
		67.0-72.0 po in strong fractures over 1', intense foliation 70° TCN	9647	5.0	67.0	72.0	Tr
		72.0-75.5 lenticular po through rock matrix, 76.0-77.5 shear 25% pyrite	9648	5.5	72.0	75.5	Tr
79.4	80.7	LAMPROPHYRE DYKE -as above					
80.7	81.3	INTERMEDIATE OR BASIC FLOW -silicic, pyritic					
81.3	83.3	LAMPROPHYRE DYKE -medium grain, homogeneous, as above					
83.3	114.5	INTERMEDIATE FLOW -light grey green, essentially same as 62.5-79.4 -strong shear, foliation, fracturing 80 to 90° TCN; strong carbonatization except where predominantly silicified, po as disseminated, fracture fill amygdules stretched, original crystals replaced by carbonate, boudins cb.					
		83.3-87.0 po pyrite 5%, ratio 4::1, fractures 70°TCN, dissem. po 60°TCN	9649	3.7	83.3	87.0	Tr
		87.0-92.0 po pyrite ratio 1::1, 15% 60° TCN, breccia, 3 cm tuff, local breccia interflow	9650	5.0	87.0	92.0	Tr
		92.0-97.0 brecciated amygdaloidal flow, some 1 cm po schlieren	9651	5.0	92.0	97.0	Tr
		97.0-102.0 amygdaloidal scheared flow, shear foliation 85°TCN, 3% po	9652	5.0	97.0	102.0	.01
		102.0-107.0 amygdaloidal, schlieren po, massive rock has disseminated po, (po has been remobilized along shear)	9653	5.0	102.0	107.0	Tr
		107.0-112.0 amygdaloidal fine grain light green, soft rock, less shear, schlieren po sporadic	9654	5.0	107.0	112.0	Tr
		112.0-114.5 clots heavy po on pillow selvedge 40°TCN, chert within selvedge	9655	2.5	112.0	114.5	Tr
114.5	119.5	BASIC FLOW - ANDESITE -fine grain light green, amygdaloidal, soft profusion metacrysts black mica, oriented 5 mm amygdules 60°TCN, 2% po, cpy po appears indisorminate in all formations with searing and brecciation remobilized in different form					
		114.5-119.5 widespread clots black mica intimately confused with fine po	9656	5.0	114.5	119.5	Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
119.5	126.0	INTERMEDIATE FLOW -light grey, silicic, some in situ brecciation and injection along fractures contorted 70°TCN, intense injection, recrystallization impossible distinguish original fabric of rock					
		119.5-126.0 po py ratio 1::1 along brecciation slips, erratic, no average	9657	6.5	119.5	126.0	Tr
126.0	144.0	BASIC FLOW - ANDESITE -medium grain medium green, amygdaloidal, varisized white, stretched along foliation, clustered metacrysts black mica, 70°TCN foliation, drilling along formation, abundant random 5 cm selvedge (pseudo-tuff), po interlayered along shear planes, gradually bleached to green grey progressively to lower contact, sulphides extreme random, some disseminated pyrite at 127'					
		139.0-144.0 en echelon lenticles po, stretched blebs po, much fine pyrite	9658	5.0	139.0	144.0	.01
144.0	146.0	INTERMEDIATE FLOW -a bleach silicified phase of above (126.0-144.0), some po					
146.0	151.3	INTERMEDIATE AGGLOMERATE -bleached silicified, light grey, tuffaceous, laced with massive chlorite filagree in fractures, fragments rounded on margins, resorbed, oriented parallel 60 to 70° TCN.					
		146.0-151.3 silica rich grey fragments cemented with chlorite - some black mica, 3% pyrite	9659	5.3	146.0	151.3	Tr
151.3	152.7	QUARTZ EPIDOTE VEIN -clusters black mica, upper contact 60°TCN, minor fine po	9660	1.0	151.3	152.7	Tr
152.7	168.2	BASIC FLOW - ANDESITE -medium grain, soft medium green, sheared, much at 70 to 80°TCN, schisting extreme creates pseudo-tuff, amygdules stretched -boudins of carbonate, metacrysts black mica (local with intense shearing) at interflow contacts (rt. ∢s to foliation) all foliation parallel, late fractures qtz, carbonate					
		152.7-159.0 imbricate qtz vein system 85°TCN, black mica margins, minor po	9661	6.3	152.7	159.0	Tr
		159.0-163.5 mainly schisted flow, some 10 cm qtz carbonate vein, disseminated magnetite	9662	4.5	159.0	163.5	Tr
		163.5-168.2 schisted micaceous (biotite) flow 60°TCN, psuedo tuff	9663	4.7	163.5	168.2	Tr

OROFINO RESOURCES LIMITED

Hole No. EG-86-8 Page 4 of 4

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
168.2	170.5	QUARTZ VEIN -bull qtz, xenoliths host rock, very impure over lower 1', cpy films on fracture	9964	2.3	168.2	170.5	Tr
170.5	184.2	BASIC FLOW - ANDESITE -amygdaloidal sheared stretched fine grain flow, upper portion shattered qtz rich, lower is fine amygdaloidal, metacrysts black mica					
		170.5-175.5 cut by myriad qtz carbonate vein, disseminated magnetite, trace pyrite, po	9665	5.0	170.5	175.5	Tr
		175.5-179.0 qtz carbonate vein margined by massive chlorite 50% of fabric	9666	3.5	175.5	179.0	Tr
		179.0-184.2 sheared amygdaloidal fine grain lava, metacrysts black mica	9667	5.2	179.0	184.2	Tr
184.2	198.0	INTERMEDIATE AGGLOMERATE -sheared 80 to 90°TCN, stretched parallel fragments 4 and 5 cm long, narrow widths to lengths, py, chlorite interstices of rhyolitic fragments, unsilicified but rhyolite fragments sulphides sporadic from 15% to minor, abundant disseminated magnetite					
		184.2-189.0 silicic (rhyolite) amygdaloidal stretched fragments, 10% pyrite	9668	4.8	184.2	189.0	Tr
		189.0-192.0 soft green-grey, remnants qtz veins, clost po, black mica	9669	3.0	189.0	192.0	Tr
		192.0-196.8 strong pyrite in sheared agglomerate, 10% pyrite, 90°TCN	9670	6.0	192.0	196.8	Tr
198.0	227.0	BASIC FLOW - ANDESITE -fine grain soft amygdaloidal flow top, an exaggerated length due to steep angle of core, heavy disseminated magnetite to 208' white unaltered stretched amygdules to 1 cm., persistent amygdaloidal fine grain light green andesite to end of hole -pillow selvedges exaggerated at 60° TCN, some 1' in length					
		198.0-202.0 ubiquitous disseminated magnetite subhedral to 2 mm clustered stretched tablets po in local areas	9671	4.0	198.0	202.0	Tr
		202.0-208.0 pyrite po tablets parallel foliation, strange segregations massive pyrite over 3 cm., disseminted magnetite	9672	6.0	202.0	208.0	Tr
		-from 208.0-217.0 soft fine grain amygdaloidal andesite, normal greenstone					
	227.0	END OF HOLE					

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag oz/t
EG-86-8	44.2	46.0	9640					Trace				X							
	46.0	48.5	9641					Trace				X							
	48.5	49.3	9642					Trace				X							
	49.3	54.0	9643					Trace				X							
	54.0	57.0	9644					Trace				X							
	57.0	61.5	9645					Trace				X							
	62.5	67.0	9646					Trace				X							
	67.0	72.0	9647					Trace				X							
	72.0	75.5	9648					Trace				X							
	83.3	87.0	9649					Trace				X							
	87.0	92.0	9650					Trace				X							
	92.0	97.0	9651					Trace				X							
	97.0	102.0	9652					.01				X							
	102.0	107.0	9653					Trace				X							
	107.0	112.0	9654					Trace				X							
	112.0	114.5	9655					Trace				X							
	114.5	119.5	9656					Trace				X							
	119.5	126.0	9657					Trace				X							
	139.0	144.0	9658					.01				X							
	146.0	151.3	9659					Trace				X							
	151.3	152.7	9660					Trace				X							
	152.7	159.0	9661					Trace				X							
	159.0	163.5	9662					Trace				X							
	163.5	168.2	9663					Trace				X							
	168.2	170.5	9664					Trace				X							
	170.5	175.5	9665					Trace				X							
	175.5	179.0	9666					Trace				X							
	179.0	184.2	9667					Trace				X							
	184.2	189.0	9668					Trace				X							
	189.0	192.0	9669					Trace				X							
	192.0	196.8	9670					Trace				X							
	198.0	202.0	9671					Trace				X							
	202.0	208.0	9672					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNGEY
Location:
Co-ordinates: L9+00N 0+70Mt East

HOLE: EG-86-9
Core size: AQ

DRILLING COMPANY:

DRILL LOG

Section:
Length: 207'
Elevation:
Azimuth: 120° Dip: -45°

Dip Tests: 207' -44°
Started: Aug. 20, 1986
Completed: Aug. 21, 1986
Logged by: Warren Gilman

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t				
0.0	4.0	CASING									
4.0	14.6	BASIC FLOW - ANDESITE -fine grain medium green flow top, some tablets (parallel) in pillow selvage at 8' and 9'; mildly amygdaloidal, some fine pyrite, filagree of fine epidote stringers, metacrysts amphibole, secondary fine grain carbonate in matrix; late carbonate stringers, a descussate flow contact at 8', random tablets metacrystic carbonate									
14.6	48.0	INTERMEDIATE AGGLOMERATE -brecciated shattered, some amygdaloidal rhyolite fragments with disseminated po, random pyrite cementing breccia									
		14.6-18.4 qtz vein 5 cm, vuggy-limonite, 1 cm vein 90°TCN, silicic	9673	3.8	14.6	18.4	Tr				
		18.4-19.8 massive pyrite in breccia, vuggy, limonitic (20 cm total)	9674	1.4	18.4	19.8	Tr				
		19.8-22.5 rusty vuggy, porous breccia, pyrite, mica heavy stained	9675	2.7	19.8	22.5	Tr				
		22.5-27.5 interstitial po, black mica between fragments, confuse mica & po	9676	5.0	22.5	27.5	Tr				
		-between 30.0-36.5 so much granulation of fabric, impossible to determine if orginal fabric is lapilli tuff or recrystalled lava									
		36.5-39.7 carbonate saturation permeates tuff, agglomerate matrix, black mica metacrysts confuse with fine po, therefore no average po	9677	3.2	36.5	39.7	Tr				
		42.6-44.4 local dark green chloritic segment with intermediate rounded fragments, po 5% in intertices and fragments	9678	1.8	42.6	44.4	Tr				
		-agglomeratic or pseudo agglomeratic to 48', a gradual transitional arbitrary contact, matrix has been so contorted and recrystallized difficult to establish agglomerate or not									

OROFINO RESOURCES LIMITED

Hole No. EG-86-9 Page 2 of 2

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
48.0	77.8	INTERMEDIATED FLOW -amygdaloidal, qtz augen, dacite comp's'n, complex; an alternating series of andesitic with dacite segments, pillow selvage as border between soft basalt and epidotic silicic dacite; 2 mm amygdules in basalt; larger in dacite to 5 mm -sulphides erratic, minor, some small insignificant concentrations, abundant localized array of minifractures with epidotic silica or carbonate fill					
77.8	156.2	BASIC FLOW - ANDESITE -series of successive fine to medium grain flows, medium green, soft, amygdaloidal throughout, profusion of white and green 2 mm amygdules indicative of tops, grading to more massive, general fine grain central portion, metacrysts chlorite clusters local, trace pyrite -at 127.6, 5 cm qtz vein with bleached xenoliths of host (beige) magnetite -at 132.2 en echelon qtz carbonate shear with disseminated magnetite, foliation 60°TCN.					
156.2	157.9	LAMPROPHYRE DYKE -fine grain equigranular, homogeneous, fine discernable mafic and felsic crystals, powdery fine magnetite, some relict chlorite from host rock xenoliths, contacts sharp 30°TCN.					
157.9	207.0	BASIC FLOW - ANDESITE -white 5 mm amygdules in fine medium green matrix, foliation 55°TCN, trace py pyrite films on slips, -200.0-207.0 coarse metacrysts clustered chlorite					
	207.0	END OF HOLE					

OROFINO
RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-9	14.6	18.4	9673					Trace				X							
	18.4	19.8	9674					Trace				X							
	19.8	22.5	9675					Trace				X							
	22.5	27.5	9676					Trace				X							
	36.5	39.7	9677					Trace				X							
	42.6	44.4	9678					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNGEY
Location:
Co-ordinates: L13+50N 0+30m East

HOLE: EG-86-10
Core size: AQ

Section:
Length: 507'
Elevation:
Azimuth: 300° Dip: -45°

Dip Tests: 507' -38°
Started: Aug. 23, 1986
Completed: Aug. 24, 1986
Logged by: Warren Gilman

DRILLING COMPANY:

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	12.0	CASING					
12.0	78.1	BASIC LAVA - ANDESITE -series of thick flow, mainly medium grain, all medium green colour, some amygdaloidal segments -at 26.5' amygdaloidal medium grain flow contact with fine grain amygdaloidal andesite, later thin fractures with mats of chlorite opposing tension fracture with white carbonate, metacrysts chlorite with more coarse varieties, random fine pyrite, foliation 30 to 40°TCN -from 31.0-33.0 metacrysts carbonate tablets (mainly parallel in fine grain matrix) -from 35.5-65.0 coarse grain recrystallized matrix, augen of relict amphibole chlorite carbonate with fine grain mesostasis epidote carbonate rock is spotted light apple green due to injections (saturation) and recrystallization lone single crystals pyrite -from 65.0-78.1 a finer recrystallization and saturation with relict amphibole and chlorite after amphibole, carbonate saturation stronger, some random clusters carbonate, foliation 30° TCN					
78.1	84.0	BASIC TUFF -very delicately banded dark green chloritic, subaqueous ash tuff, predominantly carbonate and chlorite, colour variation due to concentrations of chlorite to carbonate, distinct bands from fractions of m.m. to 1 cm 1% fine pyrite, some po, abundant powdery magnetite bands 30°TCN					
84.0	84.5	LAMPROPHYRE DYKE -strange fabric small orbicular clots in dark chloritic matrix, lower contact 60° TCN					

OROFINO RESOURCES LIMITED

Hole No. EG-86-10 Page 2 of 7

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
84.5	90.7	BASIC TUFF -basic comp'n as above, alternating light and dark bands usual grouped within larger segments 3 to 4 cm of predominantly light or dark, 1% pyrite					
		84.5-90.7 pyrite 1%, abundant fine powdery magnetite, minor po	9679	6.2	84.5	90.7	Tr
90.7	91.7	LAMPROPHYRE DYKE -medium to coarse grain dark grey green, abundant carbonate interstitial to black mica; contacts 60° TCN					
91.7	95.1	BASIC TUFF -same as two basic tuff units above; bedding 30°TCN; late silica epdiote	9680	3.4	91.7	95.1	.01
95.1	100.7	BASIC OXIDE IRON FORMATION -strongly magnetic, fine banded, chert lenses mixed with carbonate magnetite throughout, bedding constant with tuff above					
		95.1-100.7 pyrite 1%, bands massive fine magnetite, local slips disrupt band	9681	5.6	95.1	100.7	Tr
100.7	103.0	TUFF -bleached, frosted white due to silica saturation basic tuff, very minor pyrite					
103.0	105.4	BASIC IRON FORMATION - OXIDE FACIES -term basic as chloritic, no chert					
		103.0-105.4 probable amphiboles (grinerite-pecular green, with chlorite)	9682	2.4	103.0	105.4	Tr
105.4	122.2	BASIC FLOW -fine grain andesite margin at both contacts with central massive coarse grain portion of relict orbicular chloritic amphibole in mesostasis of carbonate, epidote					
122.2	125.0	BASIC IRON FORMATION -oxide facies, strongly chloritic, bands fine magnetite	9683	2.8	122.2	125.0	Tr
125.0	127.0	INTERMEDIATE TUFF -frosted matrix due to carbonate saturation, soft, no sulphides					
127.0	128.0	IRON FORMATION -oxide facies					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
128.0	137.9	INTERMEDIATE TUFF -broad banded, very light green, some interbedded 5 to 10 cm bands greywacke, graded beds indicate tops facing west, disseminated magnetite, minor fine py					
		128.0-132.0 fine pyrite, magnetite - test of unmineralized tuff	9684	4.0	128.0	132.0	Tr
		134.5-137.9 several en echelon qtz carbonate veins, magnetite rich rims lenticular pyrite along rims, bladed black mineral on margins of veins, en echelon multi-stringered parallel veins	9685	3.4	134.5	137.9	Tr
137.9	145.0	BASIC FLOW - ANDESITE -grand melange, predominantly fine grain volcanic fabric, some rotation and granulation of coarse grain (indistinguishable from lapilli tuff) myriad of fractures laced with carbonate, sporadic po, some pyrite, very erratic, some amygdaloidal					
145.0	147.9	QUARTZ VEIN - BASIC FLOW -irregular bull qtz and qtz carbonate stringer all rock fabric recrystallized injected					
		145.0-147.9 granulation, rotation, minor pyrite	9686	2.9	145.0	147.9	Tr
147.9	243.2	BASIC FLOW - ANDESITE -series of successive flows, orbicular relict amphibole, chlorite in a saturated chlorite carbonate matrix completely permeating fabric, lone carbonate amygdules unaffected by saturation, no sulphides -from 217.0 predominantly fine grain with some carbonate epidote saturation some rare local concentrations fine chalcopyrite, rare pyrite, few fractures late carbonate, (barren)					
243.2	249.0	QUARTZ CARBONATE VEIN -85°TCN, cross cutting qtz after qtz carbonate, massive chlorite clots on margin					
		243.2-249.0 sporadic pyrite, minor chalcopyrite, mainly barren, clustered fine black mineral at lower temp.	9687	5.8	243.2	249.0	Tr
249.0	251.0	BASIC FLOW - ANDESITE -fine grain typical carbonated medium green lava					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
251.0	259.1	LAMPROPHYRE DYKE -short .5' fine grain carbonated rim, relict chloritic amphibole in saturated fine carbonated matrix with relict crystals as islands in carbonate; main portion of dyke is coarse grain with similar fabric but coarse chloritic amphiboles enveloped in carbonate - similar composition to host andesite					
		252.5-253.5 carbonate vein, random po, po, chalcopyrite	9688	1.0	252.5	253.5	Tr
		257.0-259.1 contains massive dyke; from 258.4-259.1 fine grain dissem. cpy	9689	2.1	257.0	259.1	Tr
259.1	260.0	BASIC TUFF -cherty - chlorite bands and 3 cm chert, cross fractions with pyrite					
260.0	270.3	BASIC FLOW - ANDESITE -fine grain medium green flow top, metacrysts acicular white carbonate, late carbonate fracture with acicular metacrysts on margins, profusion en echelon qtz carbonate veins at 0^{o} and 10^{o} and 60^{o} TCN					
		264.0-269.0 clusters black mica, no apparent sulphides	9690	5.0	264.0	269.0	Tr
270.3	271.7	BASIC TUFF -contorted dark green chloritic tuff, 5 cm carbonate vein, massive pyrite, chalcopyrite, pink carbonate	9691	1.4	270.3	271.7	Tr
271.7	297.2	BASIC FLOW - ANDESITE -fine to medium grain (infers a grain size above fine grain where individual crystals are evident), homogeneous, carbonated feldspar, chloritic amphibole mesostasis of carbonate and chlorite, crude foliation 30^{o} TCN, light film of epidote saturation through matrix, some metacrysts of carbonate needles, minute pyrite, chalcopyrite on slip planes					
297.2	335.5	CHERT BASIC TUFF -random vari-width chert, several discontinuous tablets, lenses chert (pseudo breccia), all chert clustered locally within subaqueous ash tuff, some portion stretched lapilli various continually ash and lapilli, chert and agglomeratic chert tuff, sulphide content variable, generally meager, individually described in sampling					
		297.2-302.0 some minor po, mainly fine lapilli tuff	9692	4.8	297.2	302.0	.01
		302.0-307.0 dearth of sulphides - no reason to sample	9693	5.0	302.0	307.0	Tr
		307.0-309.5 isolated random schleiren poand of pyrite	9694	2.5	307.0	309.5	Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
		297.2-335.5 CHERT BASIC TUFF (con't)					
		313.0-317.0 mainly fine ash tuff - in situ wisps pyrite and/or po, 3%	9695	4.0	313.0	317.0	Tr
		317.0-322.0 chert, ash tuff, 3% pyrite and po, wisps parallel beds	9696	5.0	317.0	322.0	Tr
		322.0-327.0 random heavy pyrite, in situ in cherty ash tuff	9697	5.0	322.0	327.0	Tr
		327.0-332.0 ash and lapilli tuff with 5 to 8% po, py, sporadic wisps	9698	5.0	327.0	332.0	Tr
		332.0-335.5 chert ash tuff 5% wisps py, po all parallel beds	9699	3.5	332.0	335.5	Tr
335.5	338.3	INTERMEDIATE TUFF -chert disappears, ash tuff retains essentially some fabric with light grey dacite tuff, beds 40° TCN					
338.3	340.1	ANDESITE DYKE -very fine grain conformable dyke, medium green, crystals chloritic amphibole carbonated feldspar in a few carbonated chlorite mesostasis, with trace vague random banding which could be zoning or actual tuff, only microscopic work could define the true nature of the rock, a barren crosscutting 3 cm qtz tension fracture at 339.4					
340.1	341.6	INTERMEDIATE TUFF					
341.6	347.6	MELANGE -short fingers of andesite dyke cross cutting intermediate grey tuff, 3 to 5 cm andesite green stringers with carbonate needles to numerous to record -contacts 45° TCN, some random po (insufficient for sampling), some irregular dyke stringers run along core frosting the tuff					
347.6	358.9	ANDESITE DYKE -mesostasis of very fine chlorite carbonate with profuse carbonate needles of diverse orientation with fine dark mica metacrysts, myriad of tuff, xenoliths of various size from 1 cm to 30 cm, sharp contacts 60° TCN					
358.9	379.5	INTERMEDIATE AGGLOMERATE -classic agglomerate, vari-sized fragments, rounded, all oriented, tabular, fragments comprise 90° of volume, upper contact about 1' fine banded ash tuff (cherty) followed by 1' chert nodule tuff (40% chert kernals average 3 cm long) several random tuff bands to 20 cm within classic light grey agglomerate, po in strands and wisps sporadic and minor; rounded fragments white quartzose, rhyolitic, some basic fragments					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
379.3	380.7	INTERMEDIATE TUFF -delicately banded, light grey subaqueous ash tuff, pronounced banding 40°TCN, 8% po, disseminated po in more coarse bands, lenses massive po to 3 mm width sporadic	9700	1.4	379.3	380.7	Tr
380.7	383.4	INTERMEDIATE AGGLOMERATE -as above					
383.4	384.2	INTERMEDIATE TUFF -as above					
384.2	388.1	LAMPROPHYRE DYKE -light grey fine to medium grain (rich in brown mica) homogeneous massive, contacts sharp 10°TCN, soft, many xenoliths oriented host tuff					
388.1	395.0	INTERMEDIATE TUFF -thicker banded, several fine graded cherty bands indicate top are west very fine grain deep water tuff, strong disseminated pyrite -at 391.0' lamprophyre stringer with subsidiary lenticles contacts 40°TCN 391.0-395.0 disseminated pyrite, 1 mm oriented along beds, in situ pyrite	9701	4.0	391.0	395.0	Tr
395.0	396.8	LAMPROPHYRE DYKE -soft grey brown green, fine grain contacts, grades to medium grain center, relict large clots (now clustered mica, probable original amphiboles, mats pyrite along slip planes, contacts sharp 10°TCN, contact faulted					
396.8	397.5	INTERMEDIATE TUFF -rhythmical granularity, soft, beds 40°TCN, water lain tuff indicates tops west, disseminated pyrite ubiquitous					
397.5	400.7	INTERMEDIATE AGGLOMERATE -rounded fragments oriented parallel bedding, some lenticular chert fragments some recrystallization and resorbtion, confuses the typical stralified texture several micro-lothic fragments, contacts parallel tuff--upper and lower					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
400.7	410.2	INTERMEDIATE TUFF -strong silica saturation, frosting of matrix, bedding slightly obscured, grouped bands of similar granularity - tops seem west, beds 20°TCN, dissem py 404.5-410.2 pyrite average 5%, disseminated and massive fine lenses	9702	5.7	404.5	410.2	Tr			
410.2	418.4	LAMPROPHYRE DYKE -light grey-green-brown, fine grain soft mesostasis mainly carbonate, mica with relict chloritic amphibole, peppered with 2 mm clots, mafic crystals, dyke is multi-phase (pulsing injection) dyke is conformable, matrix and crystals all oriented parallel to 30°TCN orientation, abundant xenoliths host rock -some oriented unaltered chert bands, clustered po, pyrite associated with xenoliths. 415.0-417.7 multiple fractures lined with po, local massive po, pyrite	9703	2.7	415.0	417.7	Tr			
418.4	419.0	CHLORITE SCHIST -intense shear, chlorite rich, relict andesite, pyrite lines shears								
419.0	425.4	ANDESITE DYKE -medium grain, some composition in colour, medium grain foliated with granular fabric, relict carbonate clots after feldspar, needle-like metacrysts amphibole multi-fractures lined with chlorite carbonate, usual epidote alteration, sooty black mineral with late alteration								
425.4	507.0	BASIC FLOW - ANDESITE -succession of flows with amygdaloidal tops grading to medium grain metacrystic fabric all foliated 20° to 40°TCN; within this flow series amygdules 3 mm small indistinct; many segregations green amphibole are metacrysts confuse with amygdules, dearth of sulphides, some segments splotches with schlieren massive epidote -from 505.5-507.0' profusion of 2 mm amphibole metacrysts probable base of flow with conditions prevalent for metacrysts late fractures with fresh carbonate and qtz epdiote, lack of trace sulphides								
	507.0	END OF HOLE								

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-10	84.5	90.7	9679					Trace				X							
	91.7	95.1	9680					.01				X							
	95.1	100.7	9681					Trace				X							
	103.0	105.4	9682					Trace				X							
	122.2	125.0	9683					Trace				X							
	128.0	132.0	9684					Trace				X							
	134.5	137.9	9685					Trace				X							
	145.0	147.9	9686					Trace				X							
	243.2	249.0	9687					Trace				X							
	252.5	253.5	9688					Trace				X							
	257.0	259.1	9689					Trace				X							
	264.0	269.0	9690					Trace				X							
	270.3	271.7	9691					Trace				X							
	297.2	302.0	9692					.01				X							
	302.0	307.0	9693					Trace				X							
	307.0	309.5	9694					Trace				X							
	313.0	317.0	9695					Trace				X							
	317.0	322.0	9696					Trace				X							
	322.0	327.0	9697					Trace				X							
	327.0	332.0	9698					Trace				X							
	332.0	335.5	9699					Trace				X							
	379.3	380.7	9700					Trace				X							
	391.0	395.0	9701					Trace				X							
	404.5	410.2	9702					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNEY GRID II
Location: 0+78 Meters W on L14+00N
Co-ordinates:

HOLE: EG-86-11
Core size: AQ

DRILLING COMPANY:

Section:
Length: 287'
Elevation:
Azimuth: 90° Dip: -45°

Dip Tests: 287' -34°
Started: Aug. 25/86
Completed: Aug. 26/86
Logged by: Mary Stalker

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	22.0	CASING					
22.0	24.3	GROUND CORE					
24.3	41.0	BIOTITE RICH MAFIC FLOW -dark green to black, medium grain, mafic flow, much like an intrusion but with gradual contacts -moderate carbonate, chloritic, occasional epidote, abundant leucoxene ? and biotite -with irregular carbonate stringers (2%), occasional chlorite stringer, chlorite and some epidote often present in carbonate stringers -gradual decreases in biotite towards later contact but a sharp jump in biotite marks the lower contact (25°) -2% pyrite mostly fine grain but with coarse euhedral grains locally, occasional cp grain (trace) 31.5-35.9 medium grey-green, medium grain, highly chloritic, with many resorbed qtz phenocrysts (up to ½" in size); with fine grain cp (1%); contacts gradual					
41.0	80.9	ANDESITE -moderate to strongly foliated (25-35°), medium grey-green, fine grain to medium grain, intermediate flow -weakly to moderate carbonate, chloritic laths shaped calcite grains (up to 1/4" long) become abundant towards end of zone, abundant biotite -with irregular carbonate and very minor qtz stringers and patches (< 1%) -trace fine grain cp and pyrite 41.0-44.2 section is biotite rich and strongly foliated 74.3-75.0 a 7" epidote-carbonate vein, fractured core has been infilled and replaced by carbonate; epidote is abundant at start and end of zone, some chlorite is present throughout; with 5% py mostly as fine grain aggregates but some coarse euhedral grains; 3% fine	9704	1.0	74.2	75.2	Tr
			9705	1.0	79.9	80.9	Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
80.9	92.8	OXIDE IRON FORMATION -mainly made up of magnetite (60%) and chlorite rich (27%) bands (30-40°) with thin carbonate bands (5%) with an occasional 1" qtz and carbonate patch -5% sulphides; most sulphides are found in or near carbonate and qtz veins but some po is scattered throughout, all sulphides are present as fine grain agglomerates, cp (1%), py (2%), po (5%) -with fine wispy irregular fractures filled with carbonate mostly in magnetite bands -small faults with up to 1/8" of movement are scattered throughout 81.1-81.3 a 2" carbonate vein with minor py and po 89.4-89.5 a 1" sulphide band of mainly po with some py and carbonate	9706 9707 9708	4.0 4.0 3.9	80.9 84.9 88.9	84.9 88.9 92.8	.01 Tr Tr
92.8	143.5	ANDESITE -weakly to moderately foliated (≃40°), medium green, fine grain to medium grain intermediate flow -moderate carbonate, highly chloritic, lath shaped carbonate grains, biotite -foliation gets weaker towards bottom contact -both contacts sharp upper at 35°, lower at 50° -with irregular thin (< 1/4") carbonate stringers and larger (up to 1") patches and stringers, carbonate (5%) -a few thin qtz veins (1/4"), with a few irregular epidote-qtz-carbonate veins from 3-8", a few chlorite veins at 25° -1% fine grain pyrite, trace cp mostly with qtz 111.6-111.7 a 1" carbonate vein at 55°, trace cp 115.5-116.5 irregular carbonate-qtz zone with epidote and chlorite, edges of andesite beside carbonate is often enriched in biotite 124.2-124.6 irregular carbonate qtz vein with minor epidote 137.3-137.6 mafic-intermediate dyke; medium grain medium green-grey, mafic intermediate intrusive; moderate carbonate, carbonate grains in blades towards edges of dyke; sharp contacts, upper and lower at 50°	9709 9710	1.0 1.0	92.8 142.4	93.8 143.4	Tr Tr
143.5	155.8	OXIDE IRON FORMATION -magnetite (30%), carbonate (10%), cloudy qtz (10%), chloritic (40%), bands (40-45°) -10% sulphides, 8% po, 2% pyrite, trace cp, found as fine grain aggregates scattered throughout unit or in thin bands	9711 9712 9713 9714	4.0 4.2 0.9 3.3	143.4 147.4 151.6 152.5	147.4 151.6 152.5 155.8	Tr Tr Tr .01

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
		143.5-155.8 OXIDE IRON FORMATION (con't)					
		-coarse euhedral magnetite is also found in bands -frequent fine fractures filled by carbonate -with soft sediment definite slumping and faulting -qtz also found in sub round blebs (up to ½") 150.5-151.7 po and qtz rich zone, po is mostly in irregular bands, trace py, cp 151.7-152.5 an 8" qtz-carbonate vein with minor po and magnetite; upper contact sharp at 70°, lower contact irregular					
155.8	173.0	ANDESITE -weakly to moderately foliated (40-50°), medium grey-green, medium grain intermediate flow -with thin (< 1/4") wispy carbonate veins and thicker (up to 1½") irregular quartz-carbonate veins -slightly bleached looking in last 2' of unit -sharp contacts, upper and lower at 50° -trace pyrite	9715 9716	1.2 1.0	155.8 171.9	157.0 172.9	Tr Tr
173.0	175.8	OXIDE IRON FORMATION -magnetite (35%), qtz (15%), chloritic (15%), bands (40-50°) interspersed with altered and slightly bleached andesite, some strongly bleached andesite near qtz veins -3% fine grain pyrite in bands -some epidote present	9717	3.0	172.9	175.9	Tr
175.8	181.5	BLEACHED ANDESITE -well foliated (35-45°), light tan-grey, medium grain intermediate flow -both contacts sharp, upper contact at 40°, lower contact at 50° -strongly bleached and altered looking unit with most grains having fuzzy edges and a resorbed appearance -with carbonate stringers (up to 1/4") at ≃ 40° -some epidote present	9718 9719	1.1 1.0	175.9 180.5	177.0 181.5	Tr Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
181.5	191.7	OXIDE IRON FORMATION -magnetite (30%), carbonate (20%), chlorite rich (48%), bands (≏50°) -with frequent fractures especially in the graphitic bands filled with carbonate occasional epidote -occasional small scale slumping and faulting (soft sediment def.), one chlorite rich bands is graded with coarser towards top -with fine grain aggregates of pyrite (1%), po (1%) and cp (trace) scattered throughout	9720 9721 9722	4.0 4.0 2.2	181.5 185.5 189.5	185.5 189.5 191.7	Tr Tr Tr
191.7	199.8	ANDESITE -medium green-tan green, medium grain, alt. and slightly bleached intermediate volcanic -moderate carbonate highly chloritic, abundant epidote -grain edges are fuzzy and appear reabsorbed	9723	1.0	191.7	192.7	Tr
199.8	208.3	INTERMEDIATE - MAFIC DYKE -dark green-black, medium grain, mafic-intermediate intrusive -moderate carbonate, chloritic, abundant biotite, qtz rich locally -trace cp, 1% medium grain euhedral pyrite mostly near qtz rich zones -sharp contacts, upper contact at 45°, lower contact at 35°, near to contacts is carbonate rich and fine grain					
208.3	211.5	ANDESITE -same as 191.7-199.8	9724	1.0	210.5	211.5	Tr
211.5	223.4	OXIDE IRON FORMATION -magnetite (40%), carbonate (10%), chlorite rich (50%), bands (25-60°) -occasional epidote, abundant coarse grain euhedral medium grain, at end of white few blebs of chert in carbonate veins -small scale faulting, folding and slumping (soft sediment def.) -some fractures filled with carbonate -1% fine grain pyrite forming blebs	9725 9726 9727	4.0 4.0 3.9	211.5 215.5 219.5	215.5 219.5 223.4	Tr Tr Tr
223.4	229.3	AMYGDALOIDAL ANDESITE -well foliated (45°), medium grey-green, fine grain to medium grain intermediate volcanics -with carbonated filled amygdules stretched in the direction of foliation -coarsens towards lower contact -slightly bleached looking, grains appear reabsorbed -sharp contacts; lower at 45°, upper at 50° -trace pyrite	9728 9729	1.0 1.0	223.4 228.3	224.4 229.3	Tr Tr

OROFINO RESOURCES LIMITED

Hole No. EG-86-11

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
229.3	238.3	OXIDE IRON FORMATION -magnetite (10%), pinkish-cream chert (25%), carbonate (10%), chlorite rich (50%), bands (50°) -chert bands are fractured and filled and often surrounded by carbonated -fine grain pyrite in aggregates is mostly found surrounding chert bands (5%), coarse grain euhedral medium grain is also common -small scale faulting and slumping	9730 9731	4.5 4.5	229.3 233.8	233.8 238.3	Tr Tr			
238.3	255.1	FOLIATED ANDESITE -well foliated (45°), medium green, medium grain intermediate flow, moderate to highly carbonated -abundant blue-grey qtz and chlorite, frequent epidote grains, infrequent hematite staining in fractures -occasional carbonate or carb-qtz stringers (up to 1/4") (1%), pitted looking texture -unit looks slightly bleached and altered -sharp contacts upper at 55°, lower contact at 45° -trace pyrite -at 249.1-249.3 a 2" carbonate vein with minor magnetite	9732	1.0	238.3	239.3	Tr			
255.1	287.0	ANDESITE -similar to 238.5-255.1 but weakly to non-foliated -with a few larger (2") carbonate and qtz veins, epidote often found with carbonate stringers 259.6-260.5 a pillow, lighter and more fractured then surrounding core with chlorite selvages, only one pillow observed 264.9-265.7 epdiote rich zone, a 1" qtz vein at end of zone (30°) 270.9-271.2 a 4" carbonate-qtz vein (80°) with minor fine grain magnetite and pyrite 274.6-274.9 a 4" chlorite-carbonate-qtz vein (70°) with 5% fine grain pyrite in aggregates, trace magnetite 277.5-277.7 chlorite-qtz vein (35°) minor carbonate and chert; trace fine grain pyrite in aggregates in vein but wallrock on either side is enriched in pyrite								
	287.0	END OF HOLE								

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ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-11	74.2	75.2	9704					Trace				X							
	79.9	80.9	9705					Trace				X							
	80.9	84.9	9706					.01				X							
	84.9	88.9	9707					Trace				X							
	88.9	92.8	9708					Trace				X							
	92.8	93.8	9709					Trace				X							
	142.4	143.4	9710					Trace				X							
	143.4	147.4	9711					Trace				X							
	147.4	151.6	9712					Trace				X							
	151.6	152.5	9713					Trace				X							
	152.5	155.8	9714					.01				X							
	155.8	157.0	9715					Trace				X							
	171.9	172.9	9716					Trace				X							
	172.9	175.9	9717					Trace				X							
	175.9	177.0	9718					Trace				X							
	180.5	181.5	9719					Trace				X							
	181.5	185.5	9720					Trace				X							
	185.5	189.5	9721					Trace				X							
	189.5	191.7	9722					Trace				X							
	191.7	192.7	9723					Trace				X							
	210.5	211.5	9724					Trace				X							
	211.5	215.5	9725					Trace				X							
	215.5	219.5	9726					Trace				X							
	219.5	223.4	9727					Trace				X							
	223.4	224.4	9728					Trace				X							
	228.3	229.3	9729					Trace				X							
	229.3	233.8	9730					Trace				X							
	233.8	238.3	9731					Trace				X							
	238.3	239.3	9732					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNEY GRID II
Location:
Co-ordinates: L14+00N 80m W

HOLE: EG-86-12
Core size: AQ

DRILLING COMPANY:

DRILL LOG

Section:
Length: 367'
Elevation:
Azimuth: 285° Dip: -45°

Dip Tests: 367° -41°
Started: Aug. 29, 1986
Completed: Aug. 30, 1986
Logged by: Brendan Murphy

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	10.0	CASING					
10.0	71.7	BASALT -medium to fine grained dark green chloritic mafic flow, weak to moderately carbonated, sporadically amygdaloidal with carbonated filled amygdules -minor carbonate veinlets (< 1%) at 45° to 70', fragments -patches speckled with leucoxene and epidote. Occasional blue spherical qtz eyes -weakly foliated at 55°; minor breccia with partially resorbed angular fragment at 29.9-40.5 -pyrite finely disseminated throughout (< 1%), trace po, cp					
71.7	93.8	ANDESITE -fine to medium grained medium grey-green weakly chloritic massive intermediate flow, carbonation restricted to rare milky white carbonate veinlets occasional chloritic wisps -massive to rarely foliated, becomes brecciated towards base of section, sharp upper contact at 55° -trace fine grain disseminated pyrite 71.7-73.8 sugary white and grey qtz vein, (30%) interbanded with brecciated andesite, filaments and wispy stringers of fine grain po (< 1%) and pyrite (< 1%) in wallrock and stoney vein margins; trace cp. 78.6-79.2 brecciated sugary qtz vein at 40°, chloritic wisps, no apparent sulphides	9733 9734	2.1 0.6	71.7 78.6	73.8 79.2	T. T.
93.8	118.3	BRECCIATED ANDESITE -fine grained light to medium grey-green weakly chloritic brecciated massive intermediate flow -angular to sub-rounded fragments up to one inch in width supported by carbonated matrix -*networks of fine blue white carbonate veinlets throughout*					

OROFINO RESOURCES LIMITED

Property: EARNEY *GRID II*
Location:
Co-ordinates: L14+00N 80m W

HOLE: EG-86-12
Core size: AQ

DRILLING COMPANY:

Section:
Length: 367'
Elevation:
Azimuth: 285° Dip: -45°

Dip Tests: 367° -41°
Started: Aug. 29, 1986
Completed: Aug. 30, 1986
Logged by: Brendan Murphy

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	10.0	CASING					
10.0	71.7	BASALT -medium to fine grained dark green chloritic mafic flow, weak to moderately carbonated, sporadically amygdaloidal with carbonated filled amygdules -minor carbonate veinlets (< 1%) at 45° to 70', fragments -patches speckled with leucoxene and epidote. Occasional blue spherical qtz eyes -weakly foliated at 55°; minor breccia with partially resorbed angular fragment at 29.9-40.5 -pyrite finely disseminated throughout (< 1%), trace po, cp					
71.7	93.8	ANDESITE -fine to medium grained medium grey-green weakly chloritic massive intermediate flow, carbonation restricted to rare milky white carbonate veinlets occasional chloritic wisps -massive to rarely foliated, becomes brecciated towards base of section, sharp upper contact at 55° -*trace fine grain disseminated pyrite* 71.7-73.8 sugary white and grey qtz vein, (30%) interbanded with brecciated andesite, filaments and wispy stringers of fine grain po (< 1%) and pyrite (< 1%) in wallrock and stoney vein margins; trace cp.	9733	2.1	71.7	73.8	T.
		78.6-79.2 brecciated sugary qtz vein at 40°, chloritic wisps, no apparent sulphides	9734	0.6	78.6	79.2	T.
93.8	113.3	BRECCIATED ANDESITE -fine grained light to medium grey-green weakly chloritic brecciated massive intermediate flow -angular to sub-rounded fragments up to one inch in width supported by carbonated matrix -*networks of fine blue white carbonate veinlets throughout*					

OROFINO RESOURCES LIMITED

Hole No. EG-86-12 Page 2 of 4

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
		93.8-119.3 BRECCIATED ANDESITE (con't)					
		-occasional minor dissemination of po and pyrite (<1%)					
		94.4-95.0 irregular milky white sugary qtz-carbonate vein 96.7-96.9 banded fine grain pyrite (2%) with trace cp hosted by foliated andesite					
119.3	122.4	QUARTZ - FELDSPAR PORPHYRY -grey to beige fine grained siliceous matrix supporting partially resorbed feldspar phenocrysts -irregular milky white glossy qtz veins, throughout with minor (<1%) pyrite and cp blebs and stringers, trace po -upper contact at 50°, lower contact at 30°	9735	3.1	111.9	122.4	Tr
122.4	129.3	ANDESITE -fine grained medium grey-green weakly carbonated intermediate flow, weakly chloritic, locally foliated at 45°, foliation defined by thin blue white carbonate stringers -occasional po rimmed carbonate filled pyrite pseudomorphs, trace cp and po within pseudomorphs					
129.3	130.8	LAMPROPHYRE -medium to fine grained dark grey-tan mafic intrusive consisting of biotite-carbonate-feldspar-leucoxene-pyrite -pyrite <1% -upper contact at 35°, lower contact at 35°					
130.8	173.9	ANDESITE -fine grained medium grey-green weakly chloritic and virtually non carbonated on old massive intermediate flow; carbonation restricted to fine blue white veinlets occuring mainly towards base of section; occasional glossy qtz veinlets -at 134.0-134.8 lamprophyre intrusion at 60° with ½ inch alteration selvage					

OROFINO RESOURCES LIMITED

Hole No. EG-86-12 Page 3 of 4

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
173.9	183.7	ANDESITE BRECCIA -melange of fine grained grey-green angular to lenticular and subrounded fragments up to 2" in width set in a chlorite-carbonate-feldspar matrix. Fragments are commonly zoned with light yellow-green interiors and are occasionally vericular suggesting a pyroclastic origin 175.2-175.6 lamprophyre intrusion at 30°								
183.7	188.6	LAMPROPHYRE -massive medium to fine grained mafic intrusive - moderately carbonated -sharp upper contact at 30°, brecciated lower contact								
188.6	235.0	ANDESITE -fine grained light grey-green weakly carbonated, weakly chloritic, intermediate pillowed flows -infrequent glossy qtz veinlets, locally foliated at 70° -at 193.9-194.0 carbonate vein with biotite stringers at 25° -at 207.1-207.3 glossy qtz vein with trace hematite at 25° -bleached amygdaloidal lower contact at 60°, way up not apparent								
235.0	271.7	ANDESITE -massive medium grained speckled grey-green non-carbonated intermediate flow, infrequent dark green chloritic patches, feldspars frequently appear sauss'zd -at 256.1 2mm glossy qtz vein at 45°								
271.7	277.8	LAMPROPHYRE -massive medium to fine grained dark grey-brown moderately carbonated mafic intrusive, biotite-carbonate-feldspar -trace fine grained pyrite disseminated throughout -sharp upper contact at 55°, sharp lower contact at 40°								
277.8	292.0	ANDESITE -massive medium to fine grained grey-green weakly chloritic, moderately								

OROFINO RESOURCES LIMITED

Hole No. EG-86-12 Page 4 of 4

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
292.0	323.6	ANDESITE -fine grained light grey-green non-carbonated bleached intermediate flow exhibiting a pronounced foliation towards top of section at 65°, rare qtz veinlets								
		292.0-294.0 bleached and foliated andesite with minor qtz-carbonate veining (2%), parallel to foliation, minor po pyrite (<1%) stringers	9736	2.0	292.0	294.0	Tr			
		296.2-297.3 glossy qtz vein at 15°, no apparent sulphides	9737	1.1	296.2	297.3	Tr			
323.6	325.9	MAFIC INTRUSIVE -medium to fine grained dark grey-green mafic intrusive, moderately carbonated -upper contact at 30°, lower contact brecciated								
325.9	341.8	ANDESITE -massive fine grained light grey-green fractured weakly chloritic non-carbonate intermediate flow; occasional pyrite filled fractures (<1%); infrequent irregular carbonate veinlets with hematite/iron staining								
341.8	344.6	MAFIC INTRUSIVE -medium grained dark green moderately carbonated chloritic mafic intrusive -sharp upper contact at 32°, sharp lower contact at 40°								
344.6	367.0	ANDESITE -fine grained light grey-green strongly carbonated intermediate flow; carbonate mainly in the form of fine metacrysts occuring in bands and in irregular patches; possibly a breccia -carbonate stringers towards base of section contain minor pyrite and po.								
	367.0	END OF HOLE								

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-12	71.7	73.8	9733					Trace				X							
	78.6	79.2	9734					Trace				X							
	119.3	122.4	9735					Trace				X							
	292.0	294.0	9736					Trace				X							
	296.2	297.3	9737					Trace				X							

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALU	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-15	17.6	21.2	9749					Trace				X							
	119.0	124.8	9750					.01				X							
	134.5	135.6	9751					Trace				X							
	162.0	164.2	9752					Trace				X							
	181.5	183.5	9753					Trace				X							
	186.7	191.7	9754					Trace				X							
	195.7	196.7	9755					Trace				X							

OROFINO RESOURCES LIMITED

Hole No. EG-86-15 Page 3 of 3

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
186.7	196.3	OXIDE IRON FORMATION -strongly magnetic and chloritic, carbonate abundant several thin qtz-carbonate stringers; apple-green chlorite ? common, some chert bands often with carbonate; rare disseminated pyrite (< 1% overal)	9754	5.0 ~~4.0~~	186.7 ~~191.7~~	191.7 ~~195.7~~	Tr
		195.8-196.4 QUARTZ-CARBONATE VEIN contains a large chunk of iron formation which has 3% pyrite and trace cpy	9755	5.0	191.7	196.7	Tr
196.4	207.0	BASIC FLOW -fine grain andesite on upper contact with coarse grain central portion grading again to fine grain at 206' to E.O.H. -chlorite and amphibole "clots" after amphibole throughout in a chlorite, silica carbonate matrix					
	207.0	END OF HOLE					

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
135.6	137.1	BASIC TUFF -similar to above basic tuff but blacker due to biotite and abundant dark chlorite; thin magnetite rich bands, pyrite (1-2%) near lower contact -bands 60°TCN					
137.1	138.8	TUFF -bleached due to silicification of basic tuff; secondary epdiote, chlorite in fractures; 1 cm wide qtz-carbonate vein, cross-cutting; essentially no sulphides					
138.8	139.2	LAMPROPHYRE DYKE -medium grain, dark green, mainly chloritized, some carbonate and biotite, contacts 30°TCN					
139.2	141.2	TUFF -bleached, same as above (137.1-138.8)					
141.2	146.2	OXIDE IRON FORMATION -abundant magnetite and chlorite, finely laminted, some thin chert laminations, carbonate pervasive as tiny flat lenses parallel to banding, banding 60° TCN -sulphides negligible except near lower contact, pyrite (3%) in thin lamination -some minor folding					
146.2	162.0	BASIC FLOW -medium grain to coarse grain, green to dark green, chloritic, ± biotite andesite -abundant carbonate in matrix; chlorite and amphibole metacrysts after amphibole are strongly foliated (60°TCN) from 146.2-153.2 -from 153.2-162.0 foliation gradually disappears and chlorite amphibole clots become more orbicular; colour is variable due to ratio of biotite to chlorite; carbonate metacrysts and matrix carbonate abundant -numerous thin qtz-carbonate stringers in lower 3' (barren)					
162.0	164.2	ALTERATION ZONE -brecciated, silicified, carbonatized, epidotized basic lava 2" qtz-epidote vein; 5% over 0.5', remainder appears barren	9752	2.2	162.0	164.2	Tr
164.2	186.7	INTERMEDIATE TUFF -light green very fine grain to medium grain band/laminations <1 mm to 15 cm -upper contact brecciated; bedding 55° TCN -pyrite scarce, occurs as fine blebs along bedding	9753	2.0	181.5	183.5	Tr

OROFINO RESOURCES LIMITED

Property: EARNCEY
Location:
Co-ordinates: L13 50N 0 30m East
HOLE: [redacted]
Core size: AQ

DRILLING COMPANY:

Section:
Length: 207'
Elevation:
Azimuth: 300° Dip: -70°
Dip Tests: 207' -63°
Started: Sept. 2, 1986
Completed: Sept. 2, 1986
Logged by: Arne Moore

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	5.0	CASING					
5.0	5.8	BOULDER					
5.8	114.5	BASIC LAVA - ANDESITE -several thick flows, fine grain to coarse grain; all medium green except top 2.5' is dark, biotite-rich; some amygdaloidal sections -at 41.0' amygdaloidal medium grain flow contact with fragment amygdaloidal andesite thin sheets of chlorite, foliation 45-50°TCN, numerous small qtz-carb filled fractures, commonly with epidote and chlorite					
		17.6-21.2 a qtz-carbonate (epidote and chlorite) vein, a few specks of py	9749	3.6	17.6	21.2	Tr
		-from 58.0-101.5 coarse grain chlorite and amphibole metacrysts after amphibole in an epidote/chlorite/carbonate/silica matrix -from 101.5-112.0 fine grain equivalent of above (58.0-101.5) with a higher percentage of carbonate, foliation 50°TCN, negligible amount of pyrite -from 112.0-114.5 very fine grain basic lava with carbonate metacrysts present near lower contact -overal pyrite <1%					
114.5	134.5	BASIC TUFF -finely laminated, medium green, carbonate, chloritic tuff, bands are <1 mm to 1 cm wide, colour variations due to varying amounts of carbonate, chlorite and minor biotite -abundant fine grain magnetite disseminated throughout; minor pyrite (<1%) and some po, bands 50°TCN	9750	5.8	119.0	124.8	.01
134.5	135.6	QUARTZ CARBONATE VEIN -mainly qtz, minor chlorite, lower and upper contacts against brecciated, magnetite rich, chlorite basic tuff; 2% pyrite near upper contact	9751	1.1	134.5	135.6	Tr

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-14	150.6	153.2	9744					Trace				X							
	159.0	165.7	9745					Trace				X							
	167.6	171.5	9746					.02				X							
	176.0	178.9	9747					Trace				X							
	178.9	181.0	9748					Trace				X							

OROFINO RESOURCES LIMITED

Hole No. EG-86-14 Page 3 of 3

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
178.9	200.0	BASIC TUFF - ANDESITE -dark green, fine grain to medium grain, thinly bedded, little compositonal variation between beds -minute metacrysts of carbonate, some stretched amygdules, chert beds, all parallel to bedding (45° TCN) 178.9-181.0 slight blackening of tuff due to minor graphite, po blebs stretched parallel to bedding, gradually decreasing from upper contact to nil at 181.0', occasional pyrite film on slip planes	9748	2.1	178.9	181.0	Tr			
	200.0	END OF HOLE								

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
153.2	165.7	BASIC TUFF - CHERTY TUFF -blue grey chert beds interlayered with bands of delicately laminated, light yellowish green, basic, tuff -from 153.2-155.8 and 164.0-165.7' bedding is disrupted, pods, lenses, and boudins of chert mixed with contorted bands of tuff -from 159.0-165.7' 3-5% po occurs locally as lenses, parallel to tuff bands -in disrupted interval, po is scattered randomly (<1%) -foliation is 45-50° TCN	9745	6.7	159.0	165.7	Tr
165.7	166.9	CHERTY BASIC TUFF -vaguely banded andesitic tuff with an angular chert fragment (1" long), matrix po, commonly stretched parallel to tuff fabric -1-2% po on average, lower contact .5 cm rim of pyrite injected into tuff					
166.9	172.1	CHERTY OXIDE IRON FORMATION -pods, lenses, boudins and fragments (up to 10 cm) of chert mixed with subhedral magnetite grains (25% mag) which are in a mass of felted, delicate crystal aggregates of a pinkish brown, chloritic tuffaceous bands near both contacts 167.6-171.5 sample of magnetite rich interval	9746	3.9	167.6	171.5	.02
172.1	172.6	ANDESITE DYKE -cross cutting, medium grain andesitic dyke with abundant white carbonate metacrysts; contacts 45° TCN					
172.6	176.0	CHERTY BASIC TUFF -as above (165.7-166.9), 2% po					
176.0	178.9	GRAPHITE SEDIMENT -thinly banded black argillaceous with interlayered chert lenses and basic tuff, upper contact mainly basic tuff with a progressive increase in graphite -pyrite (3%) lenses parallel to bedding and also cross-cutting stringers, minor po; bedding 45° TCN	9747	2.9	176.0	178.9	Tr

OROFINO RESOURCES LIMITED

Property: EARNGEY
Location:
Co-ordinates: 175'S of L16N 0+50m W

HOLE: EG-86-14
Core size: AQ

DRILLING COMPANY:

Section:
Length: 200'
Elevation:
Azimuth: Dip: -70°

Dip Tests: 200' -63°
Started: Sept. 1, 1986
Completed: Sept. 1, 1986
Logged by: Arne Moore

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
0.0	2.0	CASING								
2.0	142.0	BASIC LAVA - ANDESITE -medium green, coarse grain black relict chlorite amphibole crystal aggregates in a fine grain light green matrix alternating coarse grain center of thick flows with fine to medium grain amygdaloidal flow margins -from 62.8-68.0 pale yellow green bleached medium grain epidotic and silicified segment -from 104.3-108.3 fine to medium grain amygdaloidal flow top, moderately brecciated/silicified, contains 2-3% matrix po/py over 1' at 106.0'; also stretched amygdules and some elongate relict chlorite amphibole at 50° TCN -an overal gradual decrease in grain size especially evident at 108.7' where relict chlorite amphibole crystals give way to abundant medium grain carbonate metacrysts in a dark green fine grain chlorite matrix -late fractures with qtz, carbonate and epidote at 115.7' 1% po near epidote alteration -at 136.0' cluster of carbonate amygdules stretched 45° TCN								
142.0	150.6	BASIC TUFF - ANDESITE -upper contact indistinct due to little variation in composition, grades into well-banded/laminated fine grain tuff, lower contact sharp, bedding 45° TCN -at 146.8' qtz-carbonate-chlorite vein 6" wide, no sulphides -at 148.0' 3" wide band of broken, angular, qtz and carbonate fragments in a chloritic matrix, contacts 60°TCN across bedding, no sulphides								
150.6	153.2	QUARTZ VEIN -white bull quartz, pyrite films on slips, 1% overall, clast of basic tuff near lower contact, contacts sharp at 5° TCN	9744	2.6	150.6	153.2	Tr			

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag oz/t
EG-86-13	41.5	50.0	9763					Trace				X							
	50.0	57.0	9764					Trace				X							
	79.3	80.0	9765					Trace				X							
	91.4	97.0	9766					Trace				X							
	102.0	107.0	9767					Trace				X							
	112.0	117.0	9768					Trace				X							
	117.0	119.0	9769					Trace				X							
	192.0	196.7	9770					Trace				X							
	196.7	202.7	9771					Trace				X							
	202.7	208.5	9772					Trace				X							
	212.2	215.5	9773					.01				X							
	261.8	265.9	9774					Trace				X							
	307.0	312.0	9775					Trace				X							
	312.0	317.0	9776					Trace				X							
	317.0	322.0	9777					Trace				X							

OROFINO RESOURCES LIMITED

Hole No. EG-86-13 Page 4 of 4

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
261.8	265.9	CHERT TUFF -alternating, broadly banded segments of chert and intermediate tuff, inidividual segments finely laminated with 4-5% po/py between laminations (po < py) -lower 1.2' contains qtz-carbonate vein with minor po	9774	3.9	261.8	265.9	Tr
265.9	298.4	BASIC FLOW - ANDESITE -dark green fine grain to coarse grain, andesite with sporadic amygdules black mica, abundant acicular carbonate metacrysts -from 281.6-284.9 altered zone with secondary qtz-epidote-carbonate, brecciated fine grain tuffaceous fabric, 45°TCN, 2-3% po, some pyrite lower contact foliated 35°TCN					
298.4	328.0	INTERMEDIATE FLOW -bleached, altered silicified, carbonated, epidotic, possibly an altered equivalent of a basic flow; similar grain size range as above; lone amygdules -from 307.0-312.0 fine grain fabric strongly altered, disrupted, 2" qtz-cb-epidote vein, 2% disseminated po, trace pyrite	9775	5.0	307.0	312.0	Tr
		312.0-317.0 thin qtz-carbonate veins containing distorted lenses of pulpy 3% overall (po py)	9776	5.0	312.0	317.0	Tr
		317.0-322.0 coarse grain fabric containing disseminated po, 2-3%	9777	5.0	317.0	322.0	Tr
328.0	450.3	BASIC FLOW - ANDESITE -fine grain to coarse grain, medium green, several thick flows, usually coarse grain with finer grained contacts; short sections locally foliated, 40°TCN -sporadic distribution of amygdules, acicular carbonate metacrysts throughout -black amphibole metacrysts, locally intense; qtz-epidote veining common, eg. 437.3-438.5; mainly barren, minor fine pyrite and po in matrix					
	450.3	END OF HOLE					

OROFINO RESOURCES LIMITED

Hole No. EG-86-13 Page 3 of 4

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
191.0	196.7	BASIC CHERT TUFF -as above; fine stretched grains po along bedding planes, also larger blebs of po in short, disrupted sections overall 2-3% bedding 30°TCN	9770	4.7	192.0	196.7	Tr			
196.7	208.5	GRAPHITE SEDIMENT - CHERTY BASIC TUFF -ratio of chert to basic tuff to graphite varies considerabley over short intervals; generally pods lenses, tablets of chert alternate with light green chloritic beds and/or fine grey to black graphitic laminations; some carbonate lenses, pods parallel to bedding (30°TCN)								
		196.7-202.7 2-3% po as small pods, lenses of fine grains parallel to bedding, minor pyrite	9771	6.0	196.7	202.7	Tr			
		202.7-208.5 2-3% po, similar to above interval, po usually higher concentration in graphitic-rich segments	9772	5.8	202.7	208.5	Tr			
208.5	212.2	BASIC TUFF -vaguely bedded, stretched carbonate metacrysts, finely disseminated po grains, both parallel to bedding (30°TCN) little compositional variation								
212.2	215.5	CHERT TUFF -essentially the same as previous basic chert tuffs, upper contact sharp, lower contact gradational; 2-3% po as lenses, blebs and fine grains along bedding planes	9773	3.3	212.2	215.5	.01			
215.5	226.8	LAPILLI TUFF -fine grain basic tuff with vari-sized lapilli fragments; ovoidal fragments gradual increase in number from almost none of the upper contact to 90% at lower contact; 3 1.5" light green ash tuff bands; abundant carbonate metacrysts; bedding and oriented lapilli fragments both 30°TCN, virtually no sulphides.								
226.8	261.8	BASIC FLOW - ANDESITE -very fine grain to medium grain, medium green andesite flow containing short segments of lapilli tuff (as described above) occur randomly -from 231.0-240.0' clustered carbonate metacrysts abundant over short sections and also occuring as lone crystals; trace of sulphides, mainly barren								

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
91.4	97.0	BASIC TUFF -minor greywacke lenses, non-magnetic Iron Formation, resembles true I.F. in fabric, dark chlorite green-black beds delicately banded, dark fine amphibole prolific black specks, probable fine magnetite, disseminated po beds 30°TCN, a sooty cast to tuff due to fine dark green massive mica 91.4-97.0 pyrite erratic, po very fine, fine magnetite, not grossly magnetic	9766	5.6	91.4	97.0	Tr
97.0	112.0	BASIC CHERT TUFF -very abundant lenses, nodules, tablets chert alternate with light green chlorite beds, lenses some fine specks magnetite, short segments with fine beds and aligned pyrite, po, and disseminated po all probable of in situ formation, entire fabric aligned 30° TCN 102.0-107.0 several segments with aligned pyrite and/or po, much fine black mica concentrated in lenses, indistinguishable from fine po	9767	5.0	102.0	107.0	Tr
112.0	117.0	GRAPHITE SEDIMENT -medium grey, strongly banded, fine graphite mixed with grey mica produces a near graphite tuff, not a rich graphite sediment, pods, lenses, seams of carbonate with intermeixed fine po, few chert bands, much thin white carbonate probably secondary, po always with carbonate 112.0-117.0 more po than evident as very fine matrix po abundant	9768	5.0	112.0	117.0	Tr
117.0	120.8	BASIC TUFF -dark green, chloritic, fine banded, chert bands, secondary fine tension fractures with carbonate, some pyrite 117.0-119.0 8% pyrite, po in lenses, seams, secondary fractures in 75% of length	9769	2.0	117.0	119.0	Tr
120.8	191.0	BASIC LAVA - ANDESITE -fine grain, slight medium grain, pale green andesite flow, with small contorted carbonate amygdules in chlorite carbonate matrix with relict chloritic amphiboles, metacrysts carbonate, secondary fractures with white carbonate -from 126.0-126.6 qtz vein-minor carbonate-crystalline blue amphibole, 70°TCN -from 165.7-168.6 qtz carbonate vein paralleling the core axis; chunks of host andesite with minor blebs of po at 167.0'; also some soft brown-black chlorite					

OROFINO RESOURCES LIMITED

Property: EARNCEY
Location:
Co-ordinates: L13 OON 25m East

HOLE: EG-86-13
Core size: AQ

DRILLING COMPANY:

Section:
Length: 450'
Elevation:
Azimuth: 300° Dip: -45°

Dip Tests: 450' -30°
Started: Aug. 31, 1986
Completed: Sept. 1, 1986
Logged by:

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	32.0	CASING					
32.0	41.5	BOULDERS - LAVA, GRANITE-DIORITE-AGGLOMERATE					
41.5	50.0	INTERMEDIATE TUFF -delicately banded fine grain grey ash tuff, fine bands separated into local 1 cm groups; some thicker sections fine lapilli tuff, some of it may be water lain sediment, appears similar to Iron Formation but non-magnetic -prominent bedding 30°TCN, lenses seams pyrite minor, some disseminated po 41.5-50.0 pyrite 10% from 41.5-42.0, spare amounts to 50', most in later fractures, some fractures at 0°TCN massive epidote	9763	8.5	41.5	50.0	Tr
50.0	66.0	IRON FORMATION -delicately banded light green grey sedimentary rock - larger coarse greywacke bands indicate graded bedding tops to west, variable magnetite content, probable fine amphibole (grunerite) with chlorite in more magnetic finer bands, very few sulphides, some random disseminated pyrite, no po 50.0-57.0 massive oxide facies, no late fractures, no injected min'l't'n	9764	7.0	50.0	57.0	Tr
66.0	91.4	BASIC FLOW - ANDESITE -fine and medium grain, medium green, typical greenstone, upper 2' roapy with some secondary matrix injection and late silica epidote on fractures and slips grading to coarse grain 'kernal' type fabric; orbicular chlorite amphibole in a fine mesostasis of silca, epidote carbonate with varying silication and hardness, a recrystallized fabric with relict orbicular mafic crystals, a distinct fabric 79.3-80.0 qtz, minor carbonate vein, massive chlorite margins, lone bleb cpy finer grain for 3' from lower contact; qtz epidote zoned vein parallel core, 2 cm	9765	0.7	79.3	80.0	Tr

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-17	103.2	108.2	9756					Trace				X							
	108.2	113.2	9757					.01				X							
	113.2	118.2	9758					Trace				X							
	118.2	123.2	9759					Trace				X							
	123.2	128.2	9760					Trace				X							
	128.2	133.2	9761					Trace				X							
	133.2	137.0	9762					Trace				X							

OROFINO RESOURCES LIMITED

Property: EARNCEY
Location:
Co-ordinates: 267'S of L16N 0+50W

HOLE: Eg-86-17
Core size: AQ

DRILLING COMPANY:

Section:
Length: 137'
Elevation:
Azimuth: 300° Dip: -70°

Dip Tests: 137' -63°
Started: Sept. 4, 1986
Completed: Sept. 4, 1986
Logged by: Mary Stalker

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
0.0	12.0	CASING								
12.0	86.8	FOLIATED BASIC LAVA - ANDESITE -coarse grain, dark green, chlorite amphibole metacrysts, abundant carbonate feldspar and leucoxene, sporadic epidote -foliation at ≏ 35-45°, occasional fractures are filled with carbonate and less often epidote -a few small (< 1/4") irregular epidote-qtz veins -varies a bit in grain size but generally starts out very coarse grain and becomes finer towards end of zone, an occasional flow contact at 45° is present, stretched amygdules (1/10") abundant after 81' -trace pyrite as fine grain aggregates following foliation 58.7-58.8 a .1" qtz vein (45°) with black chlorite specks in cloudy white quartz 62.3-62.5 a 1" cloudy qtz vein at ≏30° but contact slightly irregular 78.7-81.1 fine grain zone, weakly to non-foliated								
86.8	108.2	BASIC TUFF - ANDESITIC -fine grain to medium grain dark green banded (30-35°) unit -bands are slightly darker and lighter dark green and differs also in amount of carbonate -bands are generally small but may be up to 3" -gradual contact with lower unit with chert bands occasionally from 103.3' -distinctive carbonate veins as blades, occasional bands with small amygdules -trace fine grain pyrite and po in carbonate rich veins 88.3-89.7 basic tuff is bleached to light green in this zone 96.8-100.9 unit is unbanded with many amygdules of 1/10" size, amygdules are aligned in direction of banding	9756	5.0	103.2	108.2	Tr			

OROFINO RESOURCES LIMITED

Hole No. EG-86-17 Page 2 of 2

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
108.2	128.2	CHERT RICH BASIC TUFF -35% chert bands and wedges, dark green, fine grain, tuff predominates -bands (30-35°) and generally 1/2" and less in size, abundant qtz some carb. -2% fine grain po, 2% fine grain pyrite, trace cpy, po often surrounds chert wedges 125.1-125.4 a 3" cloudy white qtz vein with po on edges	9757 9758 9759 9760	5.0 5.0 5.0 5.0	108.2 113.2 118.2 123.2	113.2 118.2 123.2 128.2	.01 Tr Tr Tr			
128.2	137.0	GRAPHITIC SEDIMENT or GRAPHITIC IRON FORMATION -graphitic (40%), chert (40%), qtz (10%), bands (25-35°) -10% fine grain po found with chert bands -occasional fractures are carbonated filled	9761 9762	5.0 3.8	128.2 133.2	133.2 137.0	Tr Tr			
	137.0	END OF HOLE								

OROFINO
RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY:				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALU	
	from	to		BW	SW	XR	THR	Au oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	Au oz/t	Ag
EG-86-16	24.9	26.2	9778					.01				X							
	37.7	38.7	9779					Trace				X							
	41.5	42.5	9780					Trace				X							
	47.0	52.0	9781					Trace				X							
	52.0	57.0	9782					Trace				X							
	57.0	62.0	9783					Trace				X							
	66.4	72.0	9784					Trace				X							
	76.5	82.0	9785					Trace				X							
	111.0	117.0	9786					Trace				X							
	117.0	121.7	9787					Trace				X							
	121.7	127.0	9788					Trace				X							
	127.0	132.0	9789					.01				X							
	132.0	137.0	9790					Trace				X							
	137.0	142.0	9791					Trace				X							
	142.0	147.0	9792					Trace				X							
	147.0	152.0	9793					Trace				X							
	152.0	156.0	9794					Trace				X							
	165.0	157.0	9795					Trace				X							
	163.7	164.7	9796					Trace				X							
	173.3	176.7	9797					Trace				X							
	192.0	196.0	9798					Trace				X							
	196.0	199.4	9799					Trace				X							
	210.6	211.6	9800					Trace				X							
	211.6	222.6	4001					Trace				X							
	321.2	323.2	4002					Trace				X							
	327.0	328.5	4003					Trace				X							

OROFINO RESOURCES LIMITED

Hole No. EG-86-16 Page 7 of 7

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
340.4	347.0	BRECCIA -basic lava and chert fragments well becciated and fractured -fractures have been filled in with qtz and chert -basic fragments have a well altered and bleached look -trace fine grain po								
	347.0	END OF HOLE								

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
285.5	290.0	BASIC LAVA -fine grain to medium grain, dark green, with fine grain amygdules abundant locally -a few qtz-carbonate stringers with lava alteration to large green on either side of them -with biotite metacryst abundant locally					
290.0	321.2	LAPILLI TUFF - ANDESITE -medium grain, medium grey-green with abundant fine grain dark lenticular shards and fine grain more ovoidal shaped, large green fragments -fragments are oriented at approx. 50° -with occasional carbonate stringer and a few irregular thin chloritic stringers which bleach the surrounding rock to large grey, occasional irregular qtz stringers and patches -trace pyrite -abundant amygdules in last 10' of unit 297.0-298.8 this zone has many reabsorbed looking large green patches up to 1/4" in size; most abundant in this zone but found occasionally throughout unit 312.0-312.6 fine grain mafic intrusive; fine grain dark green mafic unit, a 1/4" chert vein starts off the zone; sharp contacts, both at approx. 45° -irregular bands of intermediate lapilli tuff which has alterated the basic lapilli tuff on either side found at 310.7-311.0; 317.3-317.6; 320.1-320.2 these bands always have sharp but often irregular contacts					
321.2	340.4	CHERTY AGGLOMERATE - INTERMEDIATE -bands of agglomerate same as 204.2-257.3 with bands (mostly at 60°) and wedges of chert (15%) -with bands of fine grain andesite (5%) and larger bands of fine grain andesitic tuff -agglomerate predominates and pure agglomerate zones are found at 324.7-326.3; 328.5-333.3; 336.3-340.4 -with 1% po over unit found mainly with chert bands and wedges, locally po abundant (in well banded zone) 326.4-327.1 mafic intrusive; fine grain dark green basic intrusive 333.4-334.7 mafic intrusive; fine grain dark green basic intrusive	4002 4003	2.0 1.5	321.2 327.0	323.2 328.5	Tr Tr

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t			
		204.2-257.3 AGGLOMERATE-INTERMEDIATE (con't)								
		225.7-226.2 large green and tan alteration andesitic looking tuff with thin rim of black argillaceous material, carbonate rich, following same orientation as agglomerate, agglomerate finer on either side of zone 228.8-229.0 .2 white chert and cloudy white qtz vein, wallrock rich in biotite on either side 241.1-241.2 .1 po and cpy band - chloritic on either side of vein 242.0-242.7 same as from 225.7-226.2 245.3-245.5 large green tuff, same as from 225.7-226.2 253.0-257.3 agglomerate is much more acidic looking, cream coloured and cherty matrix with abundant chert stringers (<1/4") are found through zone								
257.3	258.5	MAFIC INTRUSIVE -fine grain, medium grey-green basic intrusive -with sharp contact, upper at 50°, lower at 40°								
258.5	277.0	BASIC LAVA -coarse grain dark green basic unit -coarse grain gives it an intrusive look but coarseness is due to rounded knots that appear metacrystic in a fine grain chloritic matrix -lower contact is sharp but irregular with po and carbonate stringers near contact 274.8-277.0 zone is fine grain, grading on either side from the coarse grain lava								
277.0	285.5	AGGLOMERATE - INTERMEDIATE -same as from 204.2-257.3 277.6-278.2 mafic intrusive; fine grain medium grey-green mafic unit with xenoliths of agglomerate included in it; abundant fractures filled with carbonate; sharp contact, upper at 15°, lower 25° 279.4-279.6 .2 white chert and cloudy white qtz vein (25°) 281.8-282.7 mafic intrusive; same as 277.6-278.2; sharp contact, upper contact irregular, lower contact at 75°								

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
176.7	192.0	LAPILLI TUFF - INTERMEDIATE -medium grain to coarse grain large grey with abunant (30%) white often cherty lenticles and small pods in a light grey matrix -occasional thin (< 1/8") carbonate vein -trace po -more and larger clasts are found in center of unit decreasing on both side to contacts					
192.0	199.4	CHERT ASH TUFF -medium to large green, fine grain andesitic tuff and large grey fine grain tuff bands (15-25°) with chert (15%) bands, wedges and pods -5% fine grain po found as bands with a 1/4" po band at 192.8', po also found surrounding chert pods and in carbonated filled fractures -coarse grain biotite abundant locally	9798 9799	4.0 3.4	192.0 196.0	196.0 199.4	Tr Tr
199.4	204.2	LAPILLI TUFF - INTERMEDIATE -medium grain, large grey with fragments orientated (35-40°) -same as 176.7-192.0 with a few short (<3") zones that look more like a basic tuff -a few irregular white cloudy quartz vein (< 1/4")					
204.2	257.3	AGGLOMERATE - INTERMEDIATE -composed mostly of multi-sized and usually acid rock fragments with occasional andesitic fragments -fragments are subrounded to subangular and often have resorbed margins and up to 2" in size -matrix is large grey and fine grain, great variation in amount and size of clasts but mainly very clast rich, occasionally looks more like a lapilli tuff -abundant coarse biotite metacrysts especially abundant at sharp upper contact (35°) -occasional 1/4" cloudy white quartz vein -fragments oriented ≃ 45° 210.6-211.6 cherty lapilli tuff, bands (35°) of lapilli tuff of intermeidate comp. with chert (30%) bands and pods; 5% po mostly in and surrounding chert bands, abundant coarse giotite metacrysts 213.3-215.7 section with fewer and finer clasts and more like a lapilli tuff which grades into agglomerate on either side 221.8-222.4 zone with three 1/2" cloudy white qtz veins, agglomerate is bleached and fine grain around tourmaline; with 5% fine grain po over zone mainly in the qtz veins	9800 4001	1.0 1.0	210.6 221.6	211.6 222.6	Tr Tr

OROFINO RESOURCES LIMITED

Hole No. EG-86-16 Page 3 of 7

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
142.0	156.0	IRON FORMATION or GRAPHITIC SEDIMENT -similar to above unit but much more graphitic; upper contact picked where large graphitic bands begin -graphitic argillaceous (45%), chert (30%), light green and some large grey tuff (15%), bands (30-40°) -8% fine grain po mostly found surrounding chert bands and pods, trace py -small scare fracturing and slumping	9792	5.0	142.0	147.0	Tr
			9793	5.0	147.0	152.0	Tr
			9794	4.0	152.0	156.0	Tr
			9795	1.0	156.0	157.0	Tr
156.0	163.9	ASH TUFF - ANDESITIC -fine grain, medium grey-green with obscure banding (35-45°) often looks like pseudo banding, very little variation -occasional thin (1/4") carbonate veins and stringers (45-50°)					
163.9	164.5	CHERTY TUFF or IRON FORMATION -same as from 121.7-142.0 -5% fine grain po surrounding chert bands	9796	1.0	163.7	164.7	Tr
164.5	169.0	LAPILLI TUFF - ANDESITIC -medium grain to coarse grain, medium grey-green with abundant fine white mostly cherty lenticles and small pods -banding (35-40°) is slightly obscure and again often looks like pseudo banding -fragments are uniformly distributed throughout -occasional fragments of 1/2" size -unit is chloritic					
169.0	173.3	ASH TUFF - ANDESITE -same as from 156.0-163.9 but with an occasonal 1/4" cloudy white qtz vein and 2% fine grain po throughout zone especially towards bottom contact, trace py in fractures -upper contact sharp at 35°					
173.3	176.7	CHERTY TUFF -large green tuff bands (35-40°) with chert band and wedges and pods (30%) -tuff material looks bleached -2% po throughout zone as thin, often discontinuous wispy bands or occasionally surrounding chert pods -trace cpy in fractures	9797	3.4	173.3	176.7	Tr

OROFINO RESOURCES LIMITED

Hole No. EC-86-16 Page 2 of 7

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
38.7	86.8	CHERTY BASIC TUFF -fine to medium grain, medium green tuff with bands, wedges and pods of chert averaging ≏36% of unit, however in some zones chert predominates, occasional very chloritic rich band and occasional thin wispy graphite bands especially towards lower contact -banding from 30° to 40° -fine grain po averages 3% over unit but some zones are much richer, po found in and surrounding chert bands and wedges, trace pyrite, trace cpy, samples are taken in zones of high sulphide content -gradual upper contact, contact picked where first large chert band appears 50.7-50.8 1" bull qtz vein (40°) 71.3-71.4 1" ? (broken core) quartz vein, with fine grain pyrite	9780 9781 9782 9783 9784 9785	2.0 5.0 5.0 5.0 5.6 5.5	41.5 47.0 52.0 57.0 66.4 76.5	43.5 52.0 57.0 62.0 72.0 82.0	Tr Tr Tr Tr Tr Tr
86.8	121.7	GRAPHITE SEDIMENT -black graphite rich argillaceous (40%) and large green and large grey tuff (35%) band (25-35°) -chert as bands, wedges and pods (20%), carbonate as occasional band and filling fractures -small scale fracturing and slumping (soft sediment def.) -gradual upper contact, picked at first large graphite band -2% fine grain po throughout, usually in carbonate or chert bands especially on edges	9786 9787	6.0 4.7	111.0 117.0	117.0 121.7	Tr Tr
121.7	142.0	IRON FORMATION OR CHERTY TUFF -short graphitic rich argillaceous (15%), grey and green tuff (40%), and chert (40%), bands (35-40°) -small scale fracturing and slumping (soft sediment def.) -gradual upper contact, picked at end of large graphite bands -occasional carbonated filled fracture and pods -5% fine grain po found in chert bands or carbonate fractures, trace py on fractures 138.8-141.1 tuff in this zone appears chlorite rich, zone is also qtz rich 139.6-140.0 .4 cloudy white qtz vein, trace po in in it and wallrock on either side rich in it	9788 9789 9790 9791	5.3 5.0 5.0 5.0	121.7 127.0 132.0 137.0	127.0 132.0 137.0 142.0	Tr .01 Tr Tr

OROFINO RESOURCES LIMITED

Property: EARNGEY
Location:
Co-ordinates: 13'W & 50'S 0+50m W on L 15N
Section:
Length: 347'
Elevation:
Azimuth: 300° Dip: -70°

HOLE: EQ-86-16
Core size: AQ

Dip Tests: no test located
Started: Sept. 3, 1986
Completed: Sept. 3, 1986
Logged by: Mry Stalker

DRILLING COMPANY:

DRILL LOG

DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS Au oz/t
0.0	12.0	CASING					
12.0	12.9	GROUND CORE					
12.9	18.7	BASIC LAVA - ANDESITIC -medium grain, medium green, small white feldspar carbonate crystals and larger green chlorite-amphibole crystals -increasingly fine grained towards lower contact -well foliated (≈35°) but less well foliated towards lower contact, occasional fractures filled with carbonate -unit is gradational with lower unit and contact picked on slightly obscure banding					
18.7	38.7	BASIC TUFF - ANDESITE -medium green, fine to medium grain -fine banding (≈30°) very slight composition variation (siliceousness) and slight difference in grain size but most of the banding slightly obscure but more pronounced towards end of zone -some fine mag and abundant coarse bladed carbonate metacrysts -occasional fractures filled with carbonate, occasional bands with amygdules 24.9-26.1 8% sulphides over zone, 4% fine grain pyrite and 4% fine grain cpy mostly in carbonated filled fractures or in areas with abundant carbonate metacrysts 27.4-31.3 unit is bleached to a large creamy green, zone ends in a 1" quartz chert, carbonate irregular vein with a trace of pyrite 31.3-37.6 zone with only a few obscure bands, medium grain but gets finer towards end of zone, abundant large carbonate metacrysts throughout zone 37.7-38.1 abundant fine grain pyrite and cpy in carbonate rich fractures and trace pyrite	9778 9779	1.3 1.0	24.9 37.7	26.2 38.7	.01 Tr

OSHI LAKE & EARNEY TWP.

Ministry of Natural Resources
Ontario

Report of Work

97-86

Ofro

The Mining Act

Instructions – Supply required data on a separate form for each type of work to be recorded (see table below).
– For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Name and Postal Address of Recorded Holder

OROFINO RESOURCES LIMITED, P.O. Box 143

1 First Canadian Pl., Ste. 2701, Toronto, Ontario M5X 1C7

Prospector's Licence No. T931

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed ~~4,892~~ 486.4

for Performance of the following work. (Check one only)

- [ ] Manual Work
- [ ] Shaft Sinking Drifting or other Lateral Work.
- [ ] Compressed Air, other Power driven or mechanical equip.
- [ ] Power Stripping
- [X] Diamond or other Core drilling
- [ ] Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.
KRL	See Attached	

Mining Claim Prefix	Mining Claim Number	Work Days Cr.

Mining Claim Prefix	Mining Claim Number	Work Days Cr.

52N02SE9910 34 EARNGEY 900

All the work was performed on Mining Claim(s): KRL648724, KRL648725, KRL648726, KRL648727, KRL648728,

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) KRL839174

Morissette Diamond Drilling Ltd.
P.O. Box 789, Haileybury, Ontario P0J 1K0

B.B.S. Diamond Drill B.Q. Core

RECEIVED
DEC 15 1986
MINING LAND

RESERVED - 25 DAYS

APPROVED DEC. 15/86

Date of Report: December 11, 1986

Recorded Holder or Agent (Signature)

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

GERALD HARPER. 26 ORCHARD CRESCENT TORONTO ONTARIO M8Z 3E1.

Date Certified: DEC 11 1986.

Certified by (Signature)

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. KRL 648720	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

768 (81/3)

MINING CLAIMS

Work Days Credit	Number	Township
45	648720	Earngey
45	648721	"
45	648722	"
45	648724	"
47	648725	"
50	648726	"
46	648727	"
60	839156	Agnew
60	839165	Earngey
60	839166	"
60	839167	"
60	839168	"
60	839169	"
60	839170	"
60	839171	"
60	839172	"
60	839173	"
60	839174	"
60	839175	"
60	839176	"
60	839177	"
60	839178	"
60	839179	"
60	839180	"
60	839181	"
60	839182	"
60	839183	"
60	839184	"

Work Days Credit	Number	Township
60	839185	Earngey
60	839186	"
60	839187	"
60	839188	"
60	839189	"
60	839190	"
60	839191	"
60	839192	"
60	839193	"
60	839194	Agnew
60	839195	"
60	839196	"
60	839197	"
60	839198	"
60	839199	"
60	841386	Earngey
60	841387	"
60	841388	"
60	841389	"
60	841390	"
60	841391	"
60	841392	"
60	841393	"
60	841394	"
60	841395	"
60	841396	"
60	841397	"
60	841398	"
60	841399	"

Work Days Credit	Number	Township
46	869102	Agnew
20	869103	"
20	869104	"
20	869105	"
20	869106	"
20	869107	"
20	869108	"
60	869109	"
60	869110	"
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60	869120	"
60	869121	"
60	869122	"
60	869123	"
60	869124	"
60	869125	"
60	869126	" & Earngey
60	869127	" & "
60	869128	" & "
60	869129	Earngey
60	869130	"
60	869131	"

Diamond Drilling Performed on

Claim No. KRL 648724	434 ft.	
KRL 648725	207 ft.	
KRL 648726	1,371 ft.	
KRL 648727	207 ft.	
KRL 648728	1,899 ft.	(1985) (USED # 10-86-FEB 26/86
KRL 648728	2,512 ft.	(1986) (useable 2,101 ft.)
KRL 839174	574 ft.	

4,894 days available for applying.

RECEIVED
DEC 15 1986
MINING DIV.

TOTAL WORK DAYS CREDIT CLAIMED:

4,869 days

PROJECT #430 - EARNGEY TWP.

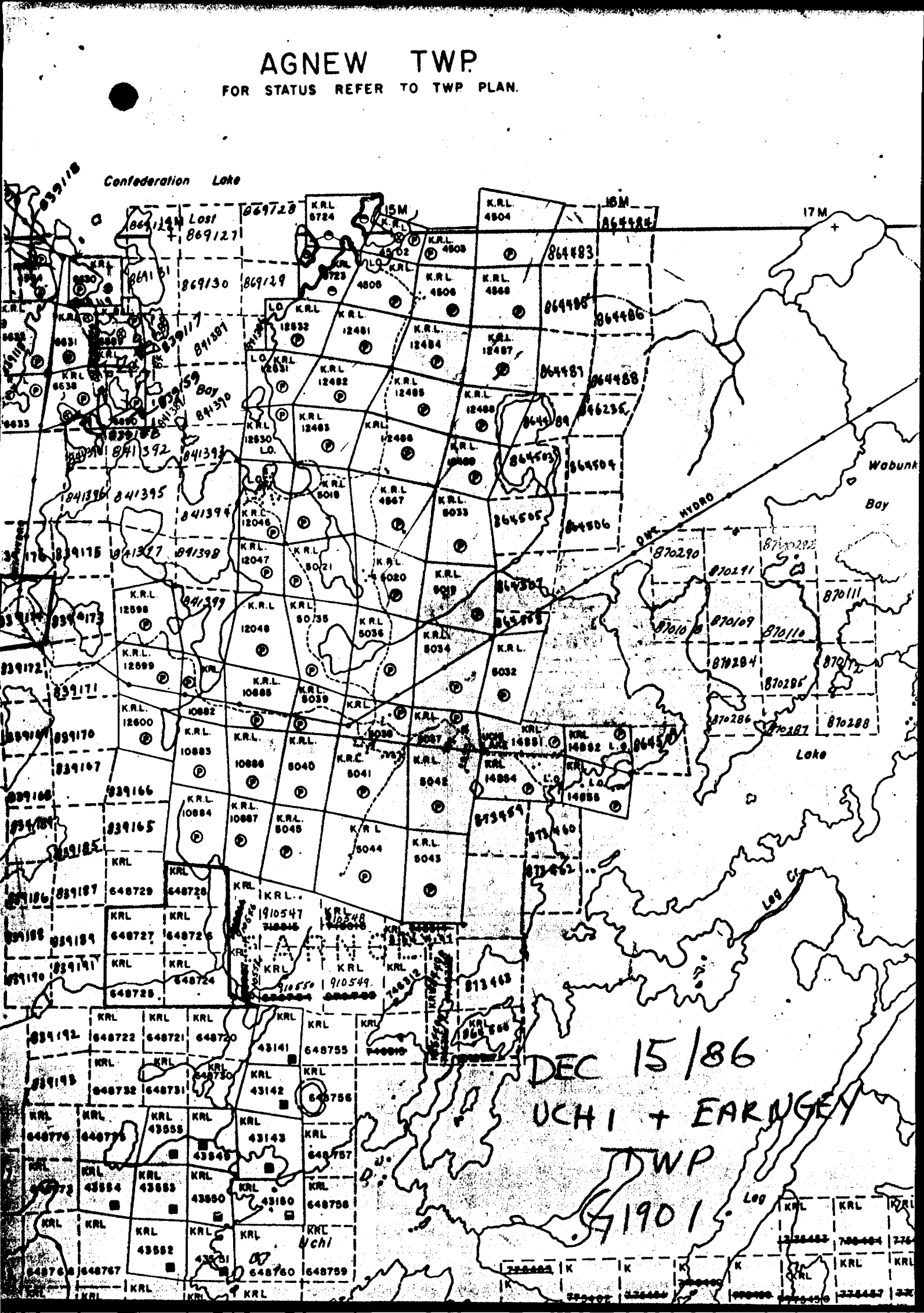
1986

SUMMARY OF DIAMOND DRILLING

HOLE NO.	LOCATION	COLLAR Bear	COLLAR Dip	CORE Size	DEPTH Metres	DEPTH Feet	CUM LENGTH Metres	CUM LENGTH Feet	CASING Depth	CLAIM No.	DATE Start	DATE Finish	
Grid I													
EG86-1	130' E of 85-6	Gd W	-45°	AQ	124	407	124	407	10'	KRL648728	86/08/10	86/08/12	
EG86-2	14+00N, 0+25E	Gd W	-45°	AQ	215.5	707	339.5	1114	10'	KRL648728	86/08/12	86/08/14	
EG86-3	13+00N, BLO	Gd W	-45°	AQ	93.5	307	433	1421	10'	KRL648726	86/08/15	86/08/16	
EG86-4	12+00N, 0+12SW	Gd W	-45°	AQ	63	207	496	1628	10'	KRL648726	86/08/16	86/08/17	
EG86-5	10+70N, 0+50E	Gd E	-45°	AQ	124	407	620	2035	4'	KRL648726	86/08/18	86/08/19	
EG86-6	11+00N, 0+02W	Gd W	-45°	AQ	63	207	683	2242	4'	KRL648727	86/08/17	86/08/18	
EG86-7	10+00N, 0+20E	Gd W	-45°	AQ	63	207	746	2449	4'	KRL648725	86/08/19	86/08/19	
EG86-8	10+00N, 0+74E	Gd E	-45°	AQ	69	227	815	2676	4'	KRL648724	86/08/19	86/08/20	
EG86-9	9+00N, 0+70E	Gd E	-45°	AQ	63	207	878	2883	4'	KRL648724	86/08/20	86/08/21	
EG86-10	13+50N, 0+30E	Gd W	-45°	AQ	154	507	1032	3390	12'	KRL648728	86/08/[illegible]	86/08/24	
Grid II													
EG86-11	14+00N, 0+73W	Gd E	-45°	AQ	63	207	1095	3597	22' *	839174	86/08/25	86/08/26	*Casing not lef
EG86-12	14+00N, 0+80W	Gd W	-45°	AQ	112	367	1207	3964	10'	839174	86/08/29	86/08/30	
Grid III													
EG86-13	13+00N, 0+25E	Gd W	-45°	AQ	137	450	1344	4414	36' *	KRL648726	86/08/31	86/09/01	*Casing not lef
EG86-14	15+44N, 0+50W	Gd W	-70°	AQ	61	200	1405	4614	2'	KRL648728	86/09/01	86/09/01	
EG86-15	13+50N, 0+30E	Gd W	-70°	AQ	63	207	1468	4821	5'	KRL648728	86/09/02	86/09/02	
EG86-16	14+85N, 0+54W	Gd W	-70°	AQ	106	347	1574	5168	12'	KRL648728	86/09/03	86/09/03	
EG86-17	15+19N, 0+50W	Gd W	-70°	AQ	42	137	1616	5305	12'	KRL648728	86/09/04	86/09/04	

AGNEW TWP.

FOR STATUS REFER TO TWP. PLAN.



Ontario

Ministry of Natural Resources

Report of Work

The Mining Act

Instructions – Supply required data on a separate form for each type of work to be recorded (see table below).
– For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Name and Postal Address of Recorded Holder	Prospector's Licence No.
OROFINO RESOURCES LIMITED, P.O. Box 143	T931
1 First Canadian Pl., Ste. 2701, Toronto, Ontario M5X 1C7	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
4,892	KRL	See Attached							
for Performance of the following work. (Check one only)									
☐ Manual Work									
☐ Shaft Sinking Drifting or other Lateral Work.									
☐ Compressed Air, other Power driven or mechanical equip.									
☐ Power Stripping									
☒ Diamond or other Core drilling									
☐ Land Survey									

All the work was performed on Mining Claim(s): KRL648724, KRL648725, KRL648726, KRL648727, KRL648728,

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) KRL839174

Morissette Diamond Drilling Ltd.
P.O. Box 789, Haileybury, Ontario P0J 1K0

B.B.S. Diamond Drill B.Q. Core

RECEIVED
DEC 15 1986
RED LAKE
MINING DIV.

Date of Report	Recorded Holder or Agent (Signature)
December 11, 1986	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying	
GERALD HARPER 26 ORCHARD CRESCENT	
TORONTO ONT. M8Z 3E1	Date Certified: DEC 11 1986.
	Certified by (Signature)

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. **Note:** Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

768 (81/3)

MINING CLAIMS

Work Days Credit	Number	Township
45	648720	Earngey
45	648721	"
45	648722	"
45	648724	"
47	648725	"
50	648726	"
46	648727	"
60	839156	Agnew
60	839165	Earngey
60	839166	"
60	839167	"
60	839168	"
60	839169	"
60	839170	"
60	839171	"
60	839172	"
60	839173	"
60	839174	"
60	839175	"
60	839176	"
60	839177	"
60	839178	"
60	839179	"
60	839180	"
60	839181	"
60	839182	"
60	839183	"
60	839184	"

Work Days Credit	Number	Township
60	839185	Earngey
60	839186	"
60	839187	"
60	839188	"
60	839189	"
60	839190	"
60	839191	"
60	839192	"
60	839193	"
60	839194	Agnew
60	839195	"
60	839196	"
60	839197	"
60	839198	"
60	839199	"
60	841386	Earngey
60	841387	"
60	841388	"
60	841389	"
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60	841392	"
60	841393	"
60	841394	"
60	841395	"
60	841396	"
60	841397	"
60	841398	"
60	841399	"

Work Days Credit	Number	Township
46	869102	Agnew
20	869103	"
20	869104	"
20	869105	"
20	869106	"
20	869107	"
20	869108	"
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60	869120	"
60	869121	"
60	869122	"
60	869123	"
60	869124	"
60	869125	"
60	869126	" & Earngey
60	869127	" & "
60	869128	" & "
60	869129	Earngey
60	869130	"
60	869131	"

Diamdon Drilling Performed on

Claim No. KRL 648724	434 ft.
KRL 648725	207 ft.
KRL 648726	1,371 ft.
KRL 648727	207 ft.
KRL 648728	1,899 ft. (1985)
KRL 648728	2,512 ft. (1986)(useable 2,101 ft.)
KRL 839174	574 ft.

4,894 days available for applying.

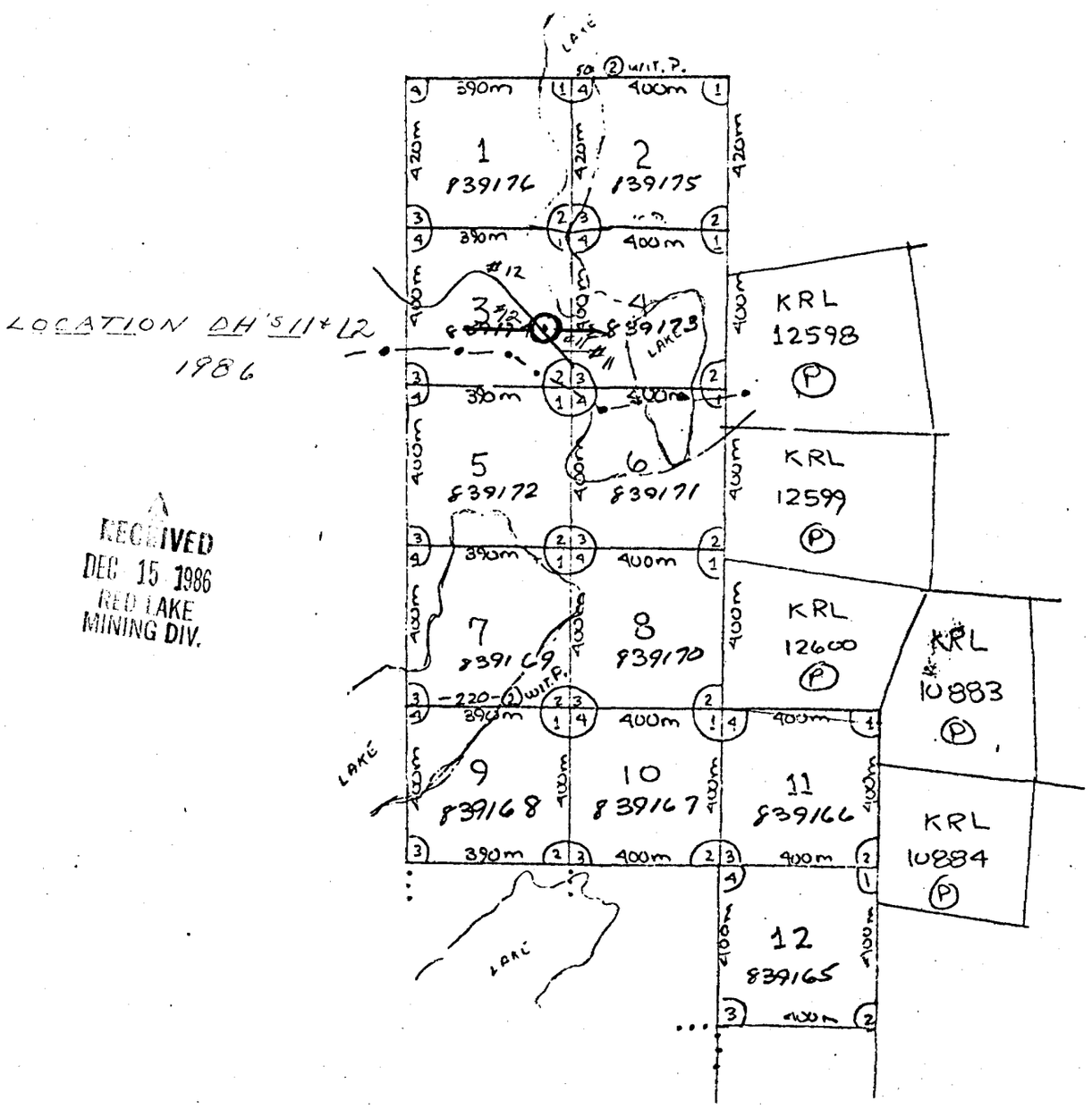
TOTAL WORK DAYS CREDIT CLAIMED:

4,869 days

up Sketch of claims listed on page 1

Scale: 1 inch = 1320 feet
(20 chains)

EARNGEY TWP.



LOCATION OF S.U.R. 1986

RECEIVED
DEC 15 1986
RED LAKE
MINING DIV.

GRID II

PROJECT #430 - EARNGEY TWP.

1986

SUMMARY OF DIAMOND DRILLING

HOLE NO.	LOCATION	COLLAR Bear	Dip	CORE Size	DEPTH Metres	Feet	CUM LENGTH Metres	Feet	CASING Depth	CLAIM No.	DATE Start	Finish	
Grid I													
EG86-1	130' E of 85-6	Gd W	-45°	AQ	124	407	124	407	10'	KRL648728	86/08/10	86/08/12	
EG86-2	14+00N, 0+25E	Gd W	-45°	AQ	215.5	707	339.5	1114	10'	KRL648728	86/08/12	86/08/14	
EG86-3	13+00N, BLO	Gd W	-45°	AQ	93.5	307	433	1421	10'	KRL648726	86/08/15	86/08/16	
EG86-4	12+00N, 0+12SW	Gd W	-45°	AQ	63	207	496	1628	10'	KRL648726	86/08/16	86/08/17	
EG86-5	10+70N, 0+50E	Gd E	-45°	AQ	124	407	620	2035	4'	KRL648726	86/08/18	86/08/19	
EG86-6	11+00N, 0+02W	Gd W	-45°	AQ	63	207	683	2242	4'	KRL648727	86/08/17	86/08/18	
EG86-7	10+00N, 0+20E	Gd W	-45°	AQ	63	207	746	2449	4'	KRL648725	86/08/19	86/08/19	
EG86-8	10+00N, 0+74E	Gd E	-45°	AQ	69	227	815	2676	4'	KRL648724	86/08/19	86/08/20	
EG86-9	9+00N, 0+70E	Gd E	-45°	AQ	63	207	878	2883	4'	KRL648724	86/08/20	86/08/21	
EG86-10	13+50N, 0+30E	Gd W	-45°	AQ	154	507	1032	3390	12'	KRL648728	86/08/[illegible]	86/08/24	
Grid II													
EG86-11	14+00N, 0+78W	Gd E	-45°	AQ	63	207	1095	3597	22' *	839174	86/08/25	86/08/26	*Casing not left
EG86-12	14+00N, 0+80W	Gd W	-45°	AQ	112	367	1207	3964	10'	839174	86/08/29	86/08/30	
Grid III													
EG86-13	13+00N, 0+25E	Gd W	-45°	AQ	137	450	1344	4414	36' *	KRL648726	86/08/31	86/09/01	*Casing not left
EG86-14	15+44N, 0+50W	Gd W	-70°	AQ	61	200	1405	4614	2'	KRL648728	86/09/01	86/09/01	
EG86-15	13+50N, 0+30E	Gd W	-70°	AQ	63	207	1468	4821	5'	KRL648728	86/09/02	86/09/02	
EG86-16	14+85N, 0+54W	Gd W	-70°	AQ	106	347	1574	5168	12'	KRL648728	86/09/03	86/09/03	
EG86-17	15+19N, 0+50W	Gd W	-70°	AQ	42	137	1616	5305	12'	KRL648728	86/09/04	86/09/04	

AGNEW TWP.

AGNEW LAKE

CONFEDERATION LAKE

EARNGEY TWP.

LOST BAY

UCHI MINE

1985-86 Ddh Area

HAZARD L.

UCHI LAKE

Wabanook Bay

GRID I LOCATION SHADED.

OROFINO RESOURCES LIMITED

EARNGEY TWP. PROJ. — No. 430

Uchi Lake & Earngey Twp., District of Kenora, Ontario — N.T.S. 52 N/2

CLAIM MAP

Scale 1" = 1/2 Mile

0 1/2 1 1 1/2

839 165

L16N

T.L. 0+33W

648 729

L14N

85-4
85-5
85-1
85-2
85-6
85-7
86-14
86-17
86-1
85-8
85-9
85-10
86-16

648 728

85-3
86-2
L12N
86-10
86-15
86-3
86-13

648 727

86-4

648 726

Hazard Lake

L10N

86-6
86-5
86-7
86-8

648 725

86-9

648 724

L8N

B.L. (0+67E) N 27°E

GRID I.

OROFINO RESOURCES LIMITED

EARNGEY TWP. PROJ. — No. 430

Uchi Lake & Earngey Twp., District of Kenora, Ontario N.T.S. 52 N/2

DRILL PLAN

(Showing 1985 - 1986 Drilling)

Scale 1 : 2500

metres 0 50 100 200 metres

Drawn by Rodel Ortiz Aug '86 Updated Dec '86