

DIAMOND DRILLING

AREA: BAD VERMILLION LAKE

REPORT NO: 33

WORK PERFORMED FOR: Orofino Resources Limited

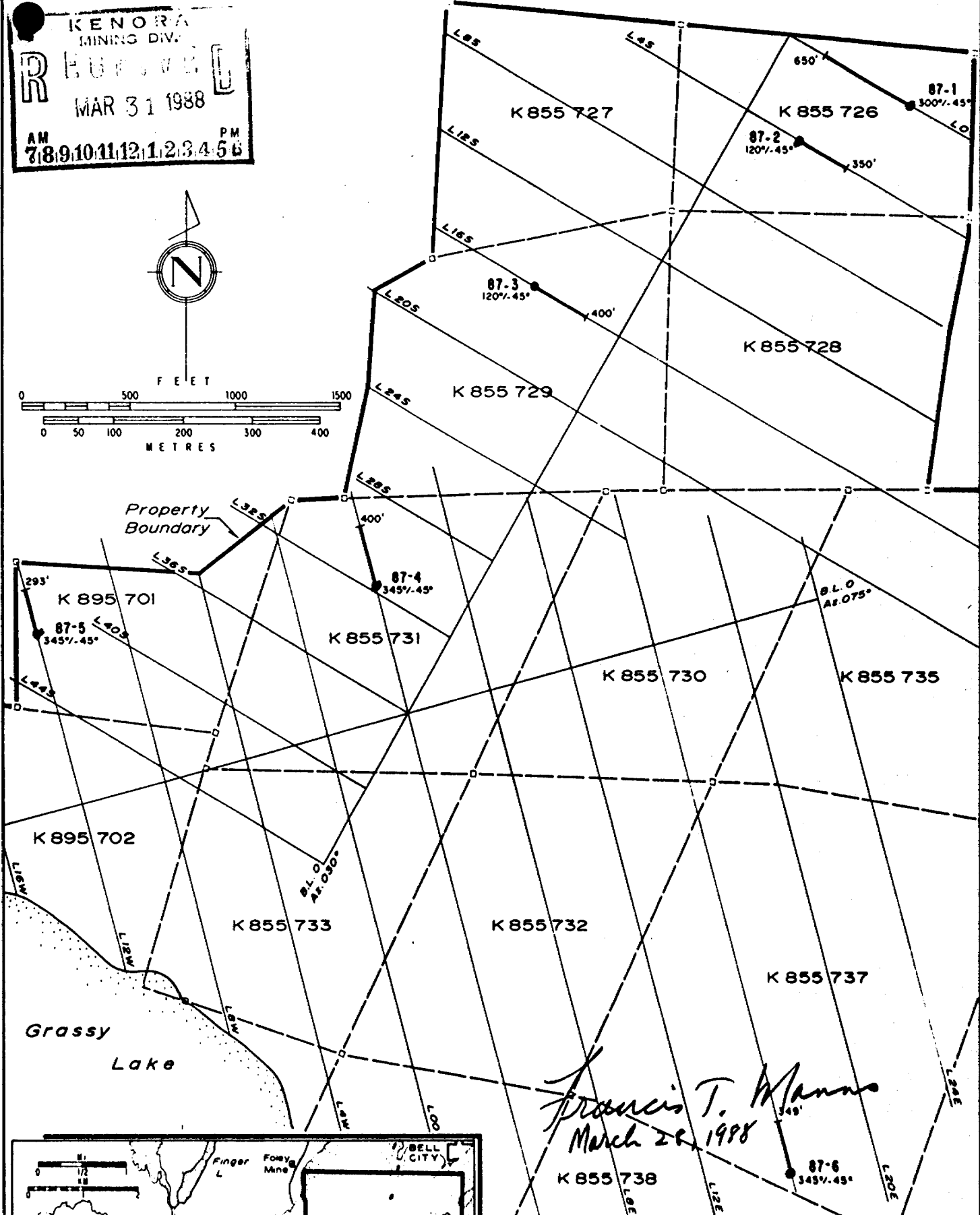
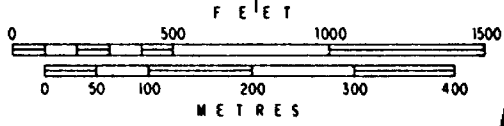
RECORDED HOLDER: Same as above [xx]
: Other []

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
K 855726	438-87-1 438-87-2	650' 350'	Aug-Sept/87 Sept/87	(1)(2) (1)(2)
K 855729	438-87-3	400'	Sept/87	(1)(2)
K 855731	438-87-4	400'	Sept/87	(1)(2)
K 895701	438-87-5	293'	Sept/87	(1)(2)
K 855737	438-87-6	349'	Sept/87	(1)(2)

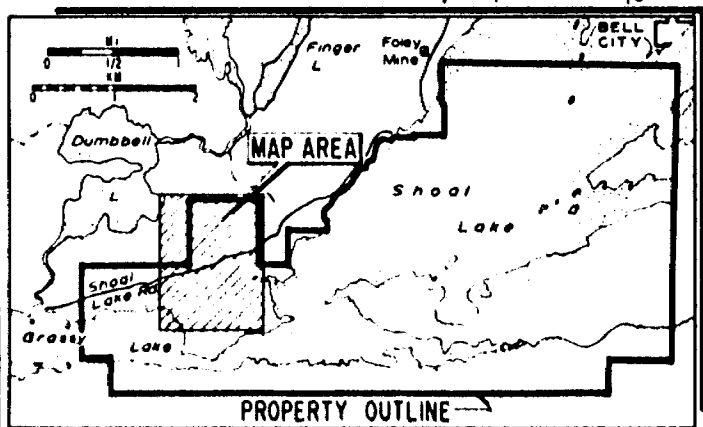
NOTES: (1) #W8801.128, filed in Oct/88

(2) Additional information (Relogging + Geology) available
in file 63.5451

KENORA
 MINING DIV.
R E P U S E L
 MAR 31 1988
 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM



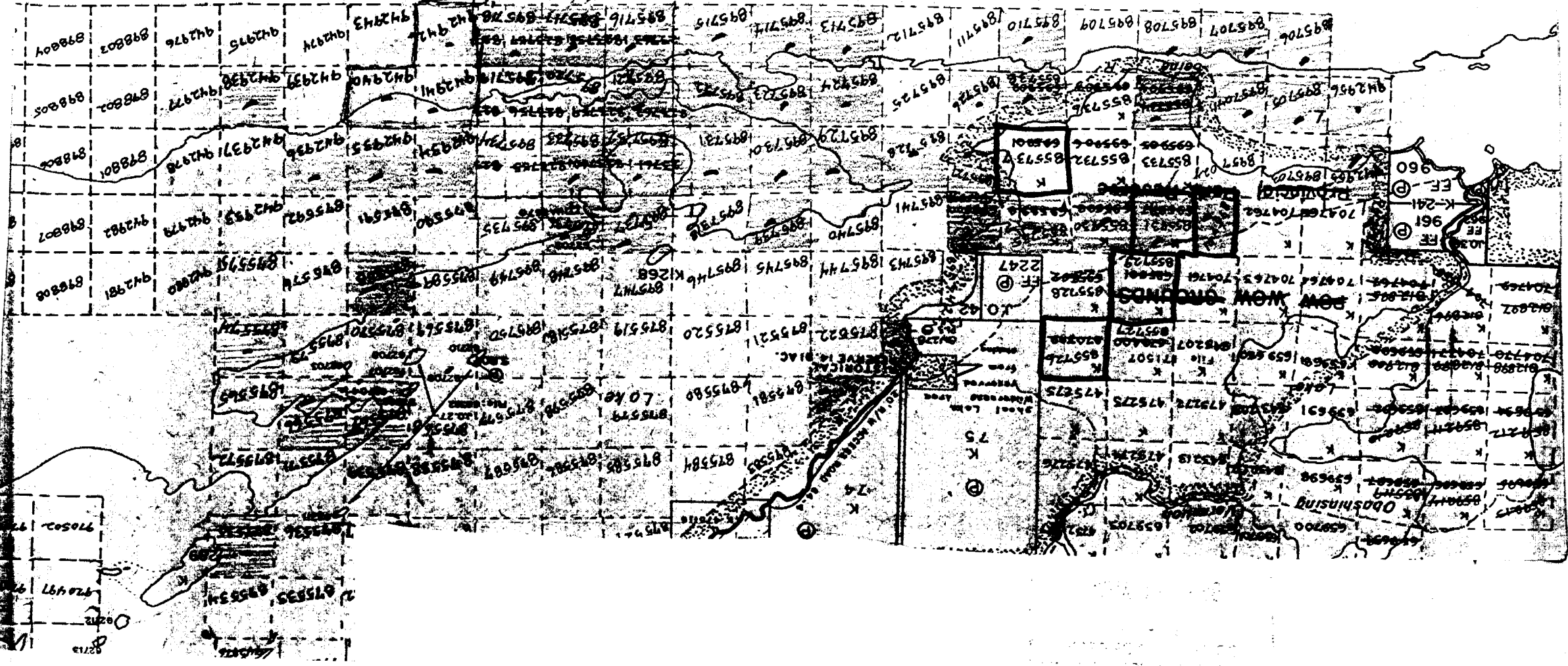
Francis T. Mann
 March 28, 1988



OROFINO RESOURCES LTD.			
SEINE RIVER OPTION		Proj. No. 638	
Mine Center Area, Rainy River Dist., Ont.		NTS 52C/10	
DRILL PLAN			
Made by: OB, MS	Date: Aug 87	Sheet	
Drawn by: R. Ortiz	Date: May 88	Drawing No.	

H.P. 33
H.P. 31
H.P. 32

233



R
 KENORVA
 MINING DIV.
 MAR 31 1988
 789104113123
 AM
 PM

Francis T. Mann

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 OFFICE
 MAY 19 1988
 RECEIVED

Page 1 of 20

OROFINO
RESOURCES LIMITED

P.O. BOX 143, 1 FIRST CANADIAN PLACE, TORONTO, CANADA M5X 1C7 TELEPHONE: (416) 362-6883 TELEX: 08-217786

Property: SEINE RIVER
 Location: 0+00; 6+64E
 Co-ordinates:
 Claim: K-855726
 Section: 0+00; Grid #1
 Length: 650'
 Elevation:
 Azimuth: 300° Dip: 45°

HOLE: 438-87-1
 Core size: BQ
 Assayed by: Custom P.M.A.
 Dip Tests: None
 Started: August 25/87
 Completed: September 3/87
 Logged by: Mary Stalker

DRILL LOG

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS							
from	to						Au oz/t	Ag oz/t						
0.0	7.2	CASING												
7.2	28.1	MASSIVE TO WEAKLY SHEARED TONALITE -light, coarse grain unit with coarse grain chlorite (25%), creamy-pink plag. (55%), qtz (≈20%), trace epidote -chlorite grains often aligned to give moderate foliation (25°) with infrequent hematite staining -frequent fractures filled with carbonate or chlorite (±45° and ≈70°) and occasional 1/4" stringers of carbonate -fine grain pyrite found disseminated throughout or grouped in blebs often in fractures (1%), trace cpy 7.9- 8.0 1/4" carbonate/chlorite/qtz stringer (60°), weathered looking ankerite stained 21.9-24.2 zone contains a more mafic phase of the tonalite, finer grained than the rest of unit (medium grain); more fractures are present which are often filled with pyrite (3% over zone) 24.5-24.8 same as 21.9-24.2	18622	1.0	7.4	8.4	Tr	NIL						
28.1	36.3	MODERATELY SHEARED TONALITE -grey, coarse grain unit, feldspar grain boundaries are no longer distinct, moderately altered with increase in silicification, sericitization and mafic minerals -well fractured with carbonate, chlorite and pyrite filling fractures, core is broken up more through zone -mafic minerals show foliation at approx. 40° -with a few 1/4" carbonate stringers at 45° -frequent fine grain, tan mineral (albite?) with distinct boundaries, fine grain pyrite in fractures (3%) 33.3-33.4 1/4" qtz/carbonate stringers with chlorite, pyrite (1%) 35.9-36.1 2" of ground and missing core with some pieces containing qtz stringers	18623 18624	4.2 4.0	28.1 32.3	32.3 36.3	Tr Tr	NIL NIL						

Francis T. Mann

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						Au oz/t	Ag oz/t			
36.3	51.1	<p>MASSIVE TONALITE</p> <p>-very similar to 7.2-28.1' but grain boundaries are even more distinct, and there is an increase in hematite staining giving the zone its pink colour</p> <p>-a few small sections with many fractures filled with carbonate and chlorite</p> <p>-fine grain pyrite is associated with the mafic minerals or is in the fractures (3%), epidote is often found near fractures in trace amounts.</p> <p>44.0-44.3 DIORITE DYKE, intermediate intrusive with medium to coarse grain euhedral plagioclase, hematite staining; 3% fine grain pyrite found mainly as 1 stringer, trace cpy; distinct upper and lower boundary at 70°</p> <p>45.4-51.1 mafic phase with 30-40% mafics, decrease in hematite staining; in general, contains less qtz but with siliceous patches; with a few fractures (40°) filled with chlorite; 5% fine grain to medium grain pyrite found as euhedral cubes with mafic minerals</p>	18625	1.0	43.6	44.6	Tr	NIL			
			18626	5.7	45.4	51.1	Tr	NIL			
51.1	53.3	<p>GRANODIORITE</p> <p>-a light coloured phase of the tonalite with increase in feldspar and qtz which are both finer, mafic content decreases, zone has a bleached appearance</p> <p>-locally well hematite stained</p> <p>-phase occurs quite suddenly but there are no regular contacts</p> <p>-2% fine grain euhedral pyrite over zone associated with chlorite grains</p>	18627	2.2	51.1	53.3	Tr	NIL			
53.3	56.9	<p>MODERATELY SHEARED TONALITE</p> <p>-similar to 28.1-36.3'</p> <p>-intensity of shearing gradually increases over zone</p> <p>-zone is well fractured with carbonate filling fractures, first 1 1/2" is breccia</p> <p>-moderate foliation at 40°</p> <p>-5% medium grain pyrite as euhedral cubes, trace cpy</p> <p>55.6-55.8 1/2" carbonate/qtz stringers at 10°</p>	18628	3.6	53.3	56.9	Tr	NIL			
56.9	60.9	<p>STRONGLY SHEARED TONALITE</p> <p>-green grey, strongly foliated (30-40°), shearing causes grained to lose original shape, start to get a few blue-grey qtz eyes, extremely sericitized, amount of mafic minerals increase</p> <p>-zones on either side gradually build up to this middle zone</p> <p>-tan euhedral mineral (as in 28.1-36.3') is found throughout zone</p>	18629	4.0	56.9	60.9	Tr	NIL			

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						Au oz/t	Ag oz/t					
	60.9-60.9	STRONGLY SHEARED TONALITE (con't)											
60.9	69.0	<p>MODERATELY SHEARED TONALITE</p> <p>-similar to 28.1-36.3'</p> <p>-intensity of shearing gradually decreases over zone</p> <p>-moderate foliation at 40°</p> <p>-many fractures filled with carbonate at 30°</p> <p>-½ pyrite, trace cpy, pyrite rich locally in carbonate stringer</p> <p>64.4-66.9 ¼" irregular (but at low ¼), carbonate stringer</p>	18630	4.1	60.9	65.0	Tr	NIL					
			18631	4.0	65.0	69.0	Tr	NIL					
69.0	75.6	<p>WEAKLY SHEARED TONALITE</p> <p>-similar to 7.2-28.1' but a very mafic phase with approx 45% mafic minerals and with frequent sericite, epidote is frequently found in hairline fractures and replacing mafic minerals, with many blue-grey qtz eyes</p> <p>-small sections of zone are often bleached from medium green to greenish yellow</p> <p>-trace pyrite, moderate foliation at 40°</p> <p>72.5-72.9 1" qtz/chlorite/carbonate veinlet (20°)</p>											
75.6	87.2	<p>MODERATELY SHEARED TONALITE</p> <p>-somewhat similar to 28.1-36.3' but slightly more sheared and a very mafic phase with 65% mafic minerals, with frequent blue-grey qtz eyes, trace epidote, slightly sericitized</p> <p>-moderate foliation (40°), very occasional hematitic staining</p> <p>-core is quite broken throughout zone and very well fractures often filled with carbonate or chlorite throughout zone</p> <p>-½ pyrite usually as fine grains in stringers along fractures, trace cpy</p> <p>-zone is well defined but has no regular contacts</p> <p>76.7-77.1 1" qtz vein (25°) with carbonate/chlorite</p> <p>78.0-79.2 1" semi-regular qtz vein (0°) with carbonate/chlorite</p> <p>79.5-79.9 1½" irregular qtz vein (60°) with carbonate/chlorite</p>	18632	6.2	75.6	81.8	Tr	NIL					
			18633	5.4	81.8	87.2	Tr	NIL					

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						As oz/t	Ag oz/t					
87.2	103.7	WEAKLY SHEARED TONALITE -same as 69.0-75.6' except for epidote is less frequent and there are even more mafic minerals (50%) -with a few small sections of moderately sheared tonalite which have many fractures filled with chlorite or carbonate -with a few carbonate stringers of less than 1/4" (40-50° or irregular) -with 1% fine grain pyrite in blebs filling fractures found mostly in the moderately altered sections											
103.7	120.7	STRONGLY SHEARED TONALITE -green grey, moderate to strong foliation (40°), well sericitized, moderately silicified -grains lose all distinct shapes except for chlorite, frequent blue-grey qtz eyes -occasional hematite staining, well fractured with small irregular fractures filled with carbonate -5% pyrite over zone usually as medium grain in stringer filling fractures, trace cpy	18634	4.3	103.7	108.0	Tr	NIL					
			18635	1.0	108.0	109.0	Tr	NIL					
			18636	2.3	109.0	111.3	Tr	NIL					
			18637	6.5	114.2	120.7	Tr	NIL					
		105.5-107.5 more strongly sheared, foliation is kinked, with large amounts of chlorite and sericite 108.5-108.7 1" white qtz vein (35°) with tourmaline and trace cpy, with frequent pyrite in wallrock on either side 111.3-114.2 weakly sheared tonalite; same as 87.2-103.7' 118.8-119.3 1/4" white qtz stringer (20°), some hematite staining with 5% cpy											
120.7	128.3	WEAKLY TO MODERATELY SHEARED TONALITE -similar to 87.2-103.7' but grains are slightly less distinct and with occasional 1/4" carbonate/chlorite stringers (20-40°) 123.6-124.6 three 1/4" qtz/carbonate stringers (approx 15°) are faulted off by three separate faults (40-50°)											
128.3	160.9	STRONGLY SHEARED TONALITE -same as 103.7-120.7' except this zone contains only 1% pyrite usually medium grain in fractures and locally pyrite rich especially in carbonate stringers -with abundant carbonate stringer (less than 1/4") at 20-40° often with chlorite and occasional tourmaline -trace cpy	18638	5.0	128.3	133.3	Tr	NIL					
			18639	5.0	133.3	138.3	Tr	NIL					
			18640	5.1	138.3	143.4	Tr	NIL					
			18641	1.0	143.4	144.4	Tr	NIL					
			18642	5.0	144.4	149.4	Tr	NIL					

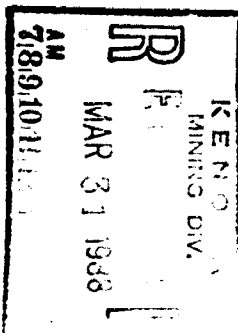
DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS			
							Au oz/t	Ag oz/t		
from	to									
		193.1-218.2 QTZ VEIN & STRONGLY ALTERED & SHEARED, INTENSELY SILICIFIED TONALITE (cont)								
	199.0-199.9	9" qtz vein with semi-irregular boundaries (35°), 10% cpy often in carbonate filled fractures, 2% pyrite, with sericite								
	199.9-200.6	as 196.4-197.0; 1% pyrite, minor cpy								
	200.6-201.2	6" grey and pinkish white qtz vein (25°) with blue grey tonalite inclusions, 5% coarse grain pyrite, 2% molybdenite giving the qtz its grey colour, both usually in fractures, trace Ag								
	201.2-202.2	tonalite as above, 3% pyrite, trace cpy, at 201.4-201.8' a 1" qtz vein (35°) 1% cpy								
	202.2-203.6	tonalite as above except for blue-grey colour from sericite, limited hematite staining; 1% pyrite mostly at end of zone near dyke contact								
	203.6-204.7	LAMPROPHYRE/DIORITE DYKE; fine grain groundmass with large grains of chlorite; both sharp contacts (40°), strongly sheared, foliation 40°; pink with green chlorite; at 204.3-204.7' chlorite grains die out and rock becomes very pink; 1% medium grain euhedral pyrite								
	204.7-207.2	white qtz vein with 5% pyrite mostly in fractures, minor moly and Ag (½%) ½% bismuthite(?), trace hematite								
	207.2-208.1	well silicified tonalite with 2" pods of qtz, 5% py, trace moly.								
	208.1-216.5	qtz often greyish especially around fractures, both contact sharp upper (40°), lower (30°); with very occasional 2" inclusion of tonalite as pods in qtz; 2% pyrite, 2% cpy, ½% Ag, trace moly, trace hematite bismuthite?								
	212.2-213.3	3% Ag over zone								
	214.0-214.2	2% Ag over zone								
	215.2-215.4	5% Ag over zone								
	216.5-217.0	bleached tonalite well carbonated and silicified vein (30°) with tourmaline in bands (5%)								
	217.0-218.2	greyish qtz as above, 5% pyrite minor tourmaline and sericite, both contacts sharp (35°), ½% Ag								
	217.9-218.0	3% Ag								
218.2	237.5	STRONGLY HEMATIZED AND MODERATE TO STRONGLY SHEARED TONALITE								
		-light red and green, coarse grain, well chloritized, moderate to silicified with abundant qtz eyes, moderately sericitized	18678	2.0	218.2	220.2	Tr	NIL		
			18679	5.0	220.2	225.2	Tr	NIL		
		-well hematite stained especially stained from 231.4' to end of zone, hematite seems to preferentially stain qtz eyes	18680	5.0	225.2	230.2	Tr	NIL		
			18681	3.8	230.2	234.0	Tr	NIL		

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS							
from	to						Au oz/t	Ag oz/t						
		244.5-246.8 INTENSELY SERICITIZED, STRONGLY SHEARED TONALITE (con't)												
		245.7 a 1/2" chlorite/qtz stringer (60°)	18686	2.3	244.5	246.8	Tr	NIL						
		245.9-246.1 a 2" carbonate/tourmaline/chlorite/qtz vein, carbonate well hematite stained, core is broken throughout and difficult to see contacts, tourmaline and chlorite in bands (60°), minor pyrite (1%)												
246.8	248.9	INTENSELY SILICIFIED TONALITE/QUARTZ VEIN -strongly hematite stained qtz with some remnant tonalite texture and occasionally less than 1" sericitized tonalite inclusion -well fractured towards end of zone with occasional carbonate stringer -occasional chlorite rich patch -with 2% pyrite, 2% cpy, 1% hematite/bismuthite, all are fine grain to medium grain and usually associated with chlorite	18687	2.2	246.8	249.0	Tr	NIL						
248.9	251.4	STRONGLY SILICIFIED, STRONGLY SERICITIZED, STRONGLY SHEARED TONALITE -light green tonalite, strongly sericitized, well silicified with abundant qtz eyes and pods of qtz (up to 2") -only weakly to moderately hematite staining but small sections are bleached lighter (green) -well fractured often infilled by carbonate -2% pyrite over zone as medium grain euhedral cubes 249.9-250.2 a 1 1/2" breccia qtz vein, breccia (ie. well fractured and fractured filled with opaque qtz and carbonate); 15% pyrite, trace cpy	18688	2.4	249.0	251.4	Tr	NIL						
251.4	255.9	STRONGLY SILICIFIED, STRONGLY HEMATIZED, STRONGLY SHEARED TONALITE -similar to 248.9-251.7' but highly hematitic stained and with high percentage of sulphides -10% cpy, 10% pyrite, 1% bismuthite? mostly in fractures or stringers following foliation at 40°; most of sulphides from 251.4-253.9'	18689	1.5	251.4	252.9	Tr	NIL						
			18690	1.0	252.9	253.9	Tr	NIL						
			18691	2.1	253.9	256.0	Tr	NIL						
			18692	5.0	256.0	261.0	Tr	NIL						
255.9	289.9	STRONGLY HEMATIZED AND SHEARED TONALITE -same as 218.2-237.5' except with only 1% pyrite found locally (ie. not disseminated throughout) -unit is more varied with respect to sericitization, silicification and staining as described below	18693	5.0	261.0	266.0	Tr	NIL						
			18694	5.0	266.0	271.0	Tr	NIL						
			18695	5.0	271.0	276.0	Tr	NIL						

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						Au oz/t	Ag oz/t			
294.2	365.5	<p>MODERATELY SHEARED TONALITE</p> <p>-similar to 28.1-36.3 except zone has stronger silicification and is slightly more sheared</p> <p>-at least weak hematite staining present through zone and often is strong for some sections</p> <p>-pyrite content is less than 28.1-36.3' with only 1% pyrite and that usually found locally, trace cpy</p> <p>-unit is varied with respect to intensity of shearing, silicification, sericitization, chloritization and hematization as described below, whole zone is well fractured, with pods of carbonate/qtz</p> <p>294.2-301.0 moderate to strongly sheared, moderate to strongly altered by hematization, sericitization, chloritization and strongly silicified, occasional irregular carbonate/chlorite/qtz stringer and pods</p> <p>298.9-299.6 very strongly silicified zone with two 1/2" carbonate stringer both at 70° with chlorite and tourmaline and fine grain to coarse grain pyrite, 5% over total zone</p> <p>301.0-303.2 with moderate hematite staining, well fractured filled with qtz and carbonate, light</p> <p>303.2-307.3 green grey, strongly sheared, strongly chloritized, strongly sericitized; at 307.2' 1/2" qtz stringer (80°), with 5% coarse grain pyrite</p> <p>308.8-310.0 two irregular qtz stringer, from less than 1/8" to 1" wide faulted into smaller stringer by fault (40°)</p> <p>311.5-312.2 at 312.1-312.2' two 1" qtz/chlorite/carbonate vein is cut off by a fracture (10°) and infills that throughout zone</p> <p>312.9-314.1 two 1/2" irregular qtz/chlorite/carbonate stringer at low angle</p> <p>316.3-316.4 a 1/2" carbonate stringer (40°) with minor chlorite</p> <p>317.8-318.1 1/2" carbonate stringer (20°)</p> <p>318.4 a 1/2" pink qtz stringer (65°) with carbonate and 5% medium grain py</p> <p>320.8-320.9 two 1/2" irregular carb stringer cut by fault (35°) with 1/2" of displacement</p> <p>321.7 two 1/2" chlorite/carb/qtz stringer (60°) with increase in pyrite in wallrock on either side</p> <p>322.0-327.8 strongly sheared and sericitized, moderate to strong chloritization only occasional weak hematite staining</p> <p>322.2-322.3 1/2" semi-irregular pink chl/carb/qtz stringer (60°), 1% pyrite</p> <p>323.2 1/2" chlorite/carbonate stringer (65°)</p> <p>323.9 1/2" chl/carb/pink qtz stringer (65°), 10% pyrite</p>	18700	5.0	293.5	298.5	Tr	NIL			
			18701	5.0	298.5	303.5	Tr	NIL			
			18702	5.0	303.5	308.5	Tr	NIL			
			18703	5.0	308.5	313.5	Tr	NIL			
			18704	5.0	313.5	318.5	Tr	NIL			
			18705	5.0	318.5	323.5	Tr	NIL			
			18706	5.0	323.5	328.5	Tr	NIL			
			18707	5.0	328.5	333.5	Tr	NIL			
			18708	5.0	333.5	338.5	Tr	NIL			
			18709	5.0	338.5	343.5	Tr	NIL			
			18710	5.0	343.5	348.5	Tr	NIL			
			18711	5.0	348.5	353.5	Tr	NIL			
			18712	5.0	353.5	358.5	Tr	NIL			
			18713	5.0	358.5	363.5	Tr	NIL			
			18714	2.0	363.5	365.5	Tr	NIL			

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						Au oz/t	Ag oz/t					
365.5-435.2		STRONGLY ALTERED, STRONGLY SHEARED TONALITE (con't)											
		-pyrite is less than 1% overall for section with local pyrite-rich zones especially the more weakly sheared zones	18715	4.0	365.5	369.5	Tr	NIL					
	365.5-369.7	strongly silicified, strongly hematized, 5% pyrite, core is broken and ground approx 2' of core missing	18716	1.2	369.5	370.7	Tr	NIL					
	369.7-370.5	quartz vein/intensely silicified tonalite; banded with sericite and fine to medium grain pyrite bands (40°); 10% pyrite over zone, contacts at 40°	18717	2.0	370.7	372.7	Tr	NIL					
	370.6-384.1	strongly sericitized, often strongly silicified, strongly sheared, no hematite staining, with abundant large (1/4") qtz eyes, trace py foliation (40°), trace cpy; occasional 1/4" qtz stringers (40°), occasional bleached to light green	18718	2.0	372.7	374.7	Tr	NIL					
		373.2-373.8 quartz vein/intensely silicified tonalite; both contacts at 60°; with carbonate chlorite	18719	5.0	374.7	379.7	Tr	NIL					
		374.5-374.8 strongly silicified	18720	2.0	379.7	381.7	Tr	NIL					
		380.2-380.5 3" sericite vein (50°), minor chlorite, qtz, carbonate	18721	2.0	381.7	383.7	Tr	NIL					
		380.5-381.2 intensely silicified zone, light green	18722	5.0	383.7	388.7	Tr	NIL					
		381.2-382.1 quartz vein/intensely silicified zone; white and light green; 2% pyrite in fractures	18723	3.0	388.7	391.7	Tr	NIL					
		382.1-384.1 strongly to intensely silicified zone; medium green moderately sheared, non-hematite stained, moderate alteration, 1% pyrite associated with chlorite	18724	3.0	391.7	394.7	Tr	NIL					
	384.1-390.8	strongly sericitized (decreases towards end), strongly silicified (increases); moderate to strong hematite staining	18725	5.0	394.7	399.7	Tr	NIL					
	390.8-394.9	qtz/sericite vein (30°) approx 6" but broken and missing core; minor tourmaline and chlorite	18726	5.0	399.7	404.7	Tr	NIL					
		392.0-392.7 intensely silicified	18727	5.0	404.7	409.7	Tr	NIL					
		392.7-393.0 strongly silicified pink qtz, trace pyrite	18728	5.0	409.7	414.7	Tr	NIL					
	394.9-403.1	moderate sheared, strongly hematite staining, often strongly sericitized; with abundant carbonate pods and stringers and filling fractures often with chlorite surrounding them; 1% medium grain pyrite found in carbonate stringers or associated with chlorite	18729	5.0	414.7	419.7	Tr	NIL					
		403.1-408.2 same as 394.9-402.1 but no hematite staining	18730	5.0	419.7	424.7	Tr	NIL					
	408.2-415.8	strongly sheared, strongly silicified, strongly sericitized, strongly chloritic, 1% medium grain euhedral pyrite often with chlorite	18731	5.0	424.7	429.7	Tr	NIL					
		411.6-412.5 1/4" chl/qtz stringer, semi-irregular (0-5°), faulted 45° off on lower end; with chlorite and sericite	18732	5.0	429.7	434.7	Tr	NIL					

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						As oz/t	Ag oz/t					
		365.5-435.2 STRONGLY ALTERED, STRONGLY SHEARED TONALITE (con't)											
		415.8-417.6 weakly to moderately sheared, no hematite staining, strongly silicified, 1X medium grain pyrite as euhedral cubes	18733	1.0	434.7	435.7	Tr	NIL					
		416.1-416.2 1/4" qtz/chlorite stringer (60°)											
		417.6-420.1 strongly silicified, strongly sheared, strongly sericitized, tr. py											
		420.1-435.2 intensely silicified, strongly sericitized when silicification permits; light green and cream mottled core or white (similar to qtz vein) with occasional chlorite grains; occasional carbonate pods or stringers											
		425.1-425.3 1/4" chlorite/carbonate/sericite/qtz stringer (40°)											
		427.2-429.5 slightly less silicified (strongly)											
		431.1-433.6 slightly less silicified (strongly)											
		434.9-435.2 2 1/4" chlorite/carbonate/qtz vein (50°) with inclusions of mafic volcanic											
435.2	450.0	MAFIC VOLCANIC											
		-dark green, fine grain, occasional medium grain mafic with sections that have been intensely silicified	18734	5.0	435.7	440.7	Tr	NIL					
		-occasional fractures filled with carbonate, silicified section is well fractured and increase in fractures at bottom of zone	18735	5.0	440.7	445.7	Tr	NIL					
		-upper contact is qtz vein (50°), lower contact sharp (25°); trace pyrite	18736	4.0	445.7	449.7	Tr	NIL					
		435.5-438.6 intensely silicified zone, well fractured (40-50°); brecciated											
		438.0-438.4 four 1" tourmaline/chlorite/carbonate/qtz vein (20°) with trace pyrite											
		440.8-441.7 intensely silicified zone, well fractured (40-50°)											
		443.6-444.0 intensely silicified zone, well fractured											
450.0	478.2	MODERATE TO STRONGLY SHEARED TONALITE											
		-foliation (40°), green-grey, many fractures often filled with carbonate, with carbonate stringers and pods	18737	5.0	449.7	454.7	Tr	NIL					
			18738	5.0	454.7	459.7	Tr	NIL					
		-moderate alteration, with moderate sericitization, silicification and chlor'ation	18739	5.0	459.7	464.7	Tr	NIL					
		-1X fine grain to medium grain pyrite associated with chlorite, trace cpy	18740	2.5	464.7	467.2	Tr	NIL					
		-at 459.0' ground core	18741	3.5	467.2	470.7	Tr	NIL					
			18742	5.0	470.7	475.7	Tr	NIL					



DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						Au oz/t	Ag oz/t			
578.5	585.2	STRONGLY TO MODERATELY SHEARED TONALITE -dark green grey, medium grain tonalite, finer than normal -very mafic phase of intrusion, strongly chloritized -foliation at 40°, occasional carbonate filled fracture (less than 1/8") -trace medium grain pyrite	18756	5.0	578.5	583.5	Tr	NIL			
585.2	599.6	MODERATELY SHEARED TONALITE -same as 535.3-545.6 (and 569.7-575.1') but richer in pyrite, 3% pyrite found locally, 1% cpy -at 591.3' 1/4" stringer of pyrite (70°) 594.2-595.0 10% pyrite, 2% cpy filling fractures, fine grain to coarse grain 596.1-596.6 10% pyrite filling fractures, mostly coarse grain	18757 18758 18759 18760	5.0 5.0 5.0 5.0	583.5 588.5 593.5 598.5	588.5 593.5 598.5 603.5	Tr Tr Tr Tr	NIL NIL NIL NIL			
599.6	606.2	STRONGLY SHEARED TONALITE -strongly sheared tonalite, a very mafic phase similar to 578.5-585.2' but more strongly sheared -dark green grey, medium grain (finer than normal) -strongly sericitized and chloritized -gradual boundary with above unit -trace pyrite									
606.2	650.0	VERY STRONGLY SHEARED TONALITE -dark green grey, strongly foliated (60°), strongly chloritized, strongly sericitized, often strongly silicified -abundant carbonate pods and stringers and veins (1/4") and many irregular qtz pods, occasional fractures -gradual boundary with above unit -5% pyrite, 2% cpy over zone found locally 607.7-607.9 2" qtz vein/silicified tonalite (70°) with 1/4" band of tourmaline, abundant carbonate, 15% medium grain euhedral pyrite, 3% cpy 607.9-610.6 strongly to intensely silicified, chlorite rich; with 10% pyrite medium grain to coarse grain euhedrals; with 15% pyrite often associated with chlorite 611.7-612.2 15% cpy, 5% medium grain euhedral pyrite 616.9-618.4 strongly to intensely silicified, chlorite and sericite rich; with 15% medium to coarse grain euhedral pyrite; with 10% cpy	18761 18762 18763 18764 18765 18766 18767	4.0 3.2 5.5 2.5 4.5 6.0 5.0	603.5 607.5 610.7 616.2 618.7 623.2 628.2	607.5 610.7 616.2 618.7 623.2 628.2 633.2	Tr Tr Tr Tr Tr Tr Tr	NIL NIL 0.90 NIL NIL NIL NIL			

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 OFFICE
 MAY 19 1988
 RECEIVED

OROFINO
 RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY: Custom F.A.				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
438-37-1	7.4	8.4	18622					Trace	Nil	X									
	28.1	32.2	18623					Trace	Nil	X									
	43.6	44.6	18625					Trace	Nil	X									
	45.4	51.1	18626					Trace	Nil	X									
	51.1	53.3	18627					Trace	Nil	X									
	53.3	56.9	18628					Trace	Nil	X									
	56.9	60.9	18629					Trace	Nil	X									
	60.9	65.0	18630					Trace	Nil	X									
	65.0	69.0	18631					Trace	Nil	X									
	75.6	81.8	18632					Trace	Nil	X									
	81.8	87.2	18633					Trace	Nil	X									
	103.7	108.0	18634					Trace	Nil	X									
	108.0	109.0	18635					Trace	Nil	X									
	109.0	111.3	18636					Trace	Nil	X									
	114.2	120.7	18637					Trace	Nil	X									
	128.3	133.3	18638					Trace	Nil	X									
	133.3	138.3	18639					Trace	Nil	X									
	138.3	143.4	18640					Trace	Nil	X									
	143.4	144.4	18641					Trace	Nil	X									
	144.4	149.4	18642					Trace	Nil	X									
	149.4	154.9	18643					Trace	Nil	X									
	154.9	160.9	18644					Trace	Nil	X									
	160.9	162.3	18645					Trace	Nil	X									
	162.3	164.4	18646					Trace	Nil	X									
	164.4	169.0	18647					Trace	Nil	X									
	169.0	173.0	18648					Trace	Nil	X									
	173.0	175.5	18649					Trace	Nil	X									
	175.5	177.1	18650					Trace	Nil	X									
	177.1	178.1	18651					Trace	Nil	X									
	178.1	180.3	18652					Trace	Nil	X									
	180.3	191.8	18653					Trace	Nil	X									
	181.8	184.2	18654					Trace	Nil	X									
	184.2	187.2	18655					Trace	Nil	X									
	187.2	190.8	18656					Trace	Nil	X									
	190.8	193.1	18657					Trace	Nil	X									
	193.1	194.1	18658					Trace	Nil	X									
	194.1	195.8	18659					Trace	Nil	X									
	195.8	196.8	18660					Trace	Nil	X									

Francis T. Mann

OROFINO

RESOURCES LIMITED

P.O. BOX 143, 1 FIRST CANADIAN PLACE, TORONTO, CANADA M5X 1C7 TELEPHONE: (416) 362-6883 TELEX: 06-217786

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE

MAY 19 1988

RECEIVED

Page 1 of 8

Property: SEINE RIVER
Location: 4+00S; 3+00E
Co-ordinates:
Claim: K-855726
Section: 4+00S; Grid #1
Length: 350'
Elevation:
Azimuth: 120° Dip: -45°

HOLE: 438-87-2
Core size: BQ
Assayed By: Custom F.A.
Dip Tests: Sept. 3/87
Started: Sept. 5/87
Completed:
Logged by: S.G. & M. Stalker

DRILL LOG

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						Au oz/t	Ag oz/t					
0.0	9.4	CASING 9.2-9.4 BOULDERS-same lithology as 9.4-30.4, with 1/8" chl/pyrite stringer (35°)											
9.4	30.4	MODERATELY TO STRONGLY SHEARED TONALITE -green-grey, strongly sericitized and chloritized, moderately silicified tonalite foliation (30°) -occasional blue-grey qtz eyes, moderate hematite stained, also hematite fracture filling and associated with chlorite -1 to 2Z medium grain pyrite often fracture filling 11.8-11.9 3/4" qtz/carbonate stringer (60°), hematite stained, 3% py, trace cpy 23.5-24.8 weathered looking zone, core is broken and well fractured with chl and hematite fractured filling at 24.1' 1/2" tourmaline band (30°) 26.2-26.3 1 1/2" pink hematite stained, qtz veinlet (40°), with chlorite; 1X py with increase in pyrite in surrounding wallrock 28.8-30.4 zone is well fractured to breccia, carbonate and chlorite fracture filling											
30.4	45.7	WEAKLY SHEARED TONALITE -light grey unit of 30% chlorite, 45% plagioclase, 25% qtz -occasional hematite staining, moderately silicified, moderately fractured (20-35°) with carbonate, chlorite and qtz fracture filling -1X pyrite disseminated throughout 42.3-42.9 diorite dyke, similar to 45.7-47.8' with well formed euhedral plag. crystals and deep blue rounded cordierite? grains; both contacts sharp and regular (40°); trace pyrite 42.9-43.1 1 1/2" qtz/chlorite/carbonate veinlet (30°), between diorite and tonalite	18773	1.5	42.0	43.5	Tr	NIL					

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						Ar oz/t	Ag oz/t					
45.7	47.8	DIORITE DYKE -dark green, strongly chloritized with phenocrysts of qtz, plagioclase, and blue rounded grains of cordierite? -occasional fractured with carbonate, qtz and chlorite fracture filling -both contacts sharp and regular, upper (40°), lower (40°) -1% fine grain disseminated pyrite											
47.8	72.8	WEAKLY TO MODERATELY SHEARED TONALITE -strongly sericitized and chloritized, moderate silicified tonalite -strongly fractured with carbonate and some qtz fracture filling -1% fine to medium grain pyrite from 47.8-68.0'; 2-3% fine grain pyrite from 68.0-72.8' 48.6-48.8 2" pod of qtz, carbonate and chlorite, 1% pyrite 59.1-60.2 weakly sheared tonalite, 1% pyrite -at 62.0' 1/4" chlorite/qtz/carbonate stringer (60°) -at 67.0' 1/12" discontinuous pyrite stringer (50°) -at 70.0' 1/4" qtz stringer (40°), 2-3% pyrite with increase in pyrite in surrounding wallrock	18774	2.0	66.7	68.7	Tr	NIL					
72.8	81.5	STRONGLY SHEARED TONALITE -foliation (50°), strongly sericitized and chloritized -2-3% medium grain pyrite usually in fractures 74.4-79.8 strongly silicified zone with qtz pods and chlorite/carbonate stringers (20°); with broken core 78.8-79.4 10% medium grain to coarse grain pyrite associated with chlorite in fractures	18775 18776	5.5 2.0	72.8 78.3	78.3 80.3	Tr Tr	NIL NIL					
81.5	95.7	MODERATELY SHEARED TONALITE -moderately sericitized, strongly chloritized, moderately silicified, foliation (40-50°) -from 91.2' shearing gradually increases to moderate to strongly sheared at end of unit -with minor qtz/carbonate stringer with 1-2% pyrite -2% medium grain pyrite over zone, pyrite rich locally -mafic rich sections at 82.8-83.2', 84.5-85.1', 88.8-90.0' -at 81.7' 1/4" qtz stringer (70°), 20% coarse grain euhedral cubes of pyrite	18777	5.0	92.1	97.1	Tr	NIL					

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS			
from	to						Au oz/t	Ag oz/t	As oz/t	Pb oz/t
		91.5-95.7 MODERATELY SHEARED TONALITE (con't)								
		83.4-83.5 1/8" pyrite stringer (75°)								
		86.2-86.5 strongly silicified zone, 15% medium grain to coarse grain euhedral cubes of pyrite								
		94.0-94.1 1/4" qtz stringer (50°), 5% coarse grain euhedral cubes of pyrite and increase in pyrite in surrounding wallrock								
95.7	100.6	STRONGLY SILICIFIED, MODERATE TO STRONGLY SHEARED TONALITE -strongly to intensely silicified, with silicification increasing towards bottom of unit -with blue-gray qtz eyes, foliation (approx 40°) -moderately sericitized, moderately chloritized with occasionally strongly chloritized zones -3% medium grain pyrite over zone, usually found locally in fractures -at 96.3' 1/4" qtz stringer (45°), 15% coarse grain pyrite -at 96.9' 1/4" qtz stringer (50°), 3% medium grain pyrite with increase in pyrite in wallrock	18778	2.0	97.1	99.1	Tr	NIL	-	-
		99.1-100.6 intensely silicified zone, with qtz pods, 5% medium grain pyrite, 1% cpy								
		99.1-99.4 two 1/4" qtz stringer (60°), trace medium grain pyrite with increase in pyrite in wallrock	18779	1.5	99.1	100.6	Tr	NIL	Tr	NIL
		99.5-99.7 1 1/2 to 2" white waxy, well fractured qtz veinlet (55°) 5% fine grain to medium grain pyrite								
		99.7-100.3 QUARTZ VEIN (45°) 4" white waxy and greyish-white (in bands) qtz; 1/2 to 1% Ag associated with pyrite, 1% moly.; 10% pyrite as coarse grain in pods or fine grain to medium grain fracture filling								
		100.4-100.5 1" greyish-white qtz veinlet (55°); 5% medium grain pyrite, trace moly.								
100.6	108.7	QUARTZ VEIN -white waxy qtz, often with greyish bands (at least 2 generations of veining) -with inclusions of highly silicified sections of above unit -upper contact sharp and regular (55°), bottom contact lost in broken and ground core	18780	1.5	100.6	102.1	Tr	NIL	Tr	NIL
			18781	1.6	102.1	103.7	Tr	1.06	Tr	0.94
			18782	1.0	103.7	104.7	Tr	0.84	Tr	0.90

DEPTH		DESCRIPTION	sample number	width	from	to	ASSAYS			
							Re-Assayed			
from	to						Au oz/t	Ag oz/t	Au oz/t	Ag oz/t
		100.6-108.7 QUARTZ VEIN (con't)								
		-5% medium grain to coarse grain pyrite usually found locally in fractures, minor tourmaline, trace cpy, minor moly	18783	1.5	104.7	106.2	Tr	NIL	Tr	NIL
		-½ to 1% Ag over zone, found locally	18784	1.0	106.2	107.2	Tr	0.98	Tr	NIL
		100.6-101.3 intensely silicified tonalite inclusion; greyish white qtz with greenish mottled remnants of tonalite, 10% medium grain to coarse grain pyrite	18785	1.5	107.2	108.7	Tr	0.70	Tr	1.22
		101.3-103.7 white qtz with trace tourmaline, minor Ag, less than ½% pyrite at 102.5' fracture with one fine grain of Ag								
		102.9-103.2 missing and broken core at 103.5' ¼" band of tourmaline (60°)								
		103.7-104.8 white qtz with occasional inclusions of tonalite, trace Ag (103.9') 3% medium grain pyrite								
		104.4-104.6 broken and missing core								
		104.8-106.0 white waxy qtz, rich in pyrite and Ag, with occasional tonalite inclusion; 15% medium grain to coarse grain pyrite as stringers fracture filling; 1.5% Ag as grains and foils, often fracture filling, associated with pyrite and found throughout zone								
		106.0-106.9 white waxy qtz with a few silicified tonalite inclusions; 3% medium grain pyrite fracture filling, ½% Ag, trace moly								
		106.4' fracture with moly								
		106.7-106.8 3% fine Ag in clots								
		106.9-107.2 tonalite as in upper unit, 5% pyrite, sharp contacts at 55°								
		107.2-107.9 white qtz with minor inclusions, minor tourmaline; 3% medium grain euhedral pyrite mainly in inclusions								
		107.9-108.7 white waxy qtz, minor tourmaline, 5% fine grain pyrite in fractures 2% grains and foils of Ag in stringers								
108.7	109.9	STRONGLY SILICIFIED, MODERATE TO STRONGLY SHEARED TONALITE -same as 95.7-100.6'	18786	2.0	108.7	110.7	Tr	1.06	.04	--
		108.7-109.1 broken, missing and ground core								
109.9	142.0	MODERATE TO STRONGLY SHEARED TONALITE -similar to 81.5-95.7' -foliation (40-50°) moderately sericitized, chloritized, silicified, occasional hematite staining	18787	4.0	110.7	114.7	Tr	1.24	.18	--

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS					
from	to						As oz/t	Ag oz/t				
188.7	195.9	<p>MODERATELY HEMATITIZED, MODERATELY SHEARED TONALITE</p> <p>-similar to 81.5-95.7' but with moderate hematite staining</p> <p>-1% pyrite found locally as coarse grain stringers</p> <p>189.6-189.7 1/8" coarse grain pyrite stringers (50°)</p> <p>192.9-193.1 2" silicified mafic/intermediate dyke (80°), fine grain</p>										
195.9	202.8	<p>STRONGLY HEMATITIZED, MODERATELY TO STRONGLY SHEARED TONALITE</p> <p>-moderately silicitized, sericitized, chloritized, occasional strongly sheared zone, red and green to grey-green</p> <p>-foliation (40°), 3% coarse grain pyrite found locally associated with carbonate</p> <p>195.9-196.2 1 1/2" red hematite stained qtz veinlet (70°), 5% pyrite, 1% cpy</p> <p>197.0-197.1 1/2" semi-regular carbonate stringer (40°), with chlorite and qtz, 30% pyrite</p> <p>198.3-198.4 1" carbonate stringer (70°, with chlorite, qtz, minor tourmaline trace pyrite</p> <p>199.9-200.2 1/2" chlorite/carbonate stringer (25°), minor qtz, 30% pyrite and increase in pyrite in wallrock</p> <p>200.9-202.6 pyrite rich zone; 15% pyrite found mainly in carbonate</p> <p>201.5-201.7 fractures mostly filled with coarse grain pyrite (30°)</p> <p>201.8-202.6 carbonate pods, abundant chlorite, 30% pyrite with increase of pyrite in wallrock</p> <p>202.1-202.6 1/2" semi-regular carbonate stringer (15°), abundant chlorite, 20% pyrite in stringer</p>	18791	2.0	200.6	202.6	Tr	NIL				
202.8	212.0	<p>STRONGLY HEMATITIZED MODERATELY SHEARED TONALITE</p> <p>-same as 188.7-195.9' but with increase in hematite staining</p> <p>-occasional carbonate stringer (30-50°) of less than 1/2"</p> <p>-at 209.5' 1/2" qtz stringer (70°), minor carbonate, hematite stained</p>										
212.0	216.2	<p>STRONGLY SHEARED TONALITE</p> <p>-weakly hematite stained, shearing increases throughout zone</p> <p>-moderate silicitized, chloritized, and sericitized</p> <p>-foliation (40°), gradual upper contact, minor pyrite as fine grain to medium grain euhedral cubes disseminated throughout</p>	18792	4.0	212.6	216.6	Tr	NIL				

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS					
from	to						Au oz/t	Ag oz/t				
216.2	221.3	STRONGLY HEMATITIZED, STRONGLY TO INTENSELY SHEARED TONALITE -similar to 212.0-216.2' but strongly hematite stained and shearing increases, foliation at approx 30° -shearing increases towards bottom, foliation (40°), gradual upper contact, minor pyrite	18793	5.0	216.6	221.6	Tr	NIL				
221.3	231.4	STRONGLY TO INTENSELY SHEARED TONALITE -similar to 212.0-217.2' but with slightly stronger shearing, weakly hematitized -medium green, foliation (40°), moderately sericitized and chloritized with many rounded clots of carbonate especially near start of zone -minor medium grain euhedral pyrite 221.3-221.6 MAFIC INTRUSIVE (lamprophyre?) strongly sheared (foliation 40°) with boudinaged qtz pods between foliation layers; slightly hematite staining 221.6-223.1 QUARTZ VEIN whole zone is strongly silicified with a white qtz vein running parallel to core axis (0°) without crosscutting it; abundant ground and missing core; upper contact lost in missing core, lower contact sharp at 25°; with abundant chlorite and sericite especially in silicified wallrock zone; trace pyrite, minor tourmaline 226.0-226.4 strongly sericitized zone, friable	18794 18795	1.5 5.0	221.6 223.1	223.1 228.1	Tr Tr	NIL NIL				
231.4	233.7	MAFIC DYKE (MAFIC VOLCANIC INCLUSION ?) -dark green, fine grain, moderate foliation (40°) -some irregular carbonate stringers and pods approx. parallel to foliation, 1X medium grain euhedral pyrite										
233.7	281.6	MODERATELY SHEARED TONALITE -light grey and green, foliation (40°), weak to moderately chloritized and silicified -occasional hematite staining especially near top of zone, gradual decrease in intensity of shearing -occasional carbonate stringer (<1/4"), occasional fracture filled with chlorite (25-40°), 1X medium grain pyrite often fracture-filling	18796	3.5	261.8	265.3	Tr	NIL				

OROFINO RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY: Custom F.A.				VALUE		REFERENCE:			SAMPLE NUMBER	ASSAYED BY: Custom F.A.				VALUE	
	from	to		NW	SW	XR	THR	Am oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		NW	SW	XR	THR	Am oz/t	Ag oz/
438-87-2																			
	42.0	43.5	18773					Trace	Nil	X									
	66.7	68.7	18774					"	"										
	72.8	78.3	18775					"	"										
	78.3	80.3	18776					"	"										
	92.1	97.1	18777					"	"										
	97.1	99.1	18778					"	"										
	99.1	100.6	18779					"	"										
	100.6	102.1	18780					"	"										
	102.1	103.7	18781					"	"										
	103.7	104.7	18782					"	"										
	104.7	106.2	18783					"	"										
	106.2	107.2	18784					"	0.98										
	107.2	108.7	18785					"	0.70										
	108.7	110.7	18786					"	1.06										
	110.7	114.7	18787					"	1.24										
	146.0	148.0	18788					"	2.08										
	150.5	153.0	18789					"	1.46										
	165.5	168.5	18790					"	Nil										
	200.6	202.6	18791					"	"										
	212.6	216.6	18792					"	"										
	216.6	221.6	18793					"	"										
	221.6	223.1	18794					"	"										
	261.8	265.3	18796					"	"										

Re-Assayed

Francis T. Morris

OROFINO

RESOURCES LIMITED

P.O. BOX 143, 1 FIRST CANADIAN PLACE, TORONTO, CANADA M5X 1C7 TELEPHONE: (416) 382-8883 TELEX: 08-217788

Property: SEINE RIVER
 Location: 1169, 4+50W
 Co-ordinates:
 Claim: K-855729
 Section: 16+00S, Grid #1
 Length: 400'
 Elevation:
 Azimuth: 120° Dip: -45°

HOLE: 438-87-3
 Core size: BQ
 Assayed by: Custom F.A.
 Dip tests: @ 400'-42°
 Started: Sept. 5/87
 Completed: Sept. 10/87
 Logged by: D. Burrows; M. Stalker

DRILL LOG

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS							
from	to						As	Ag						
0.0	30.7	CASING												
30.7	36.5	BASALTIC TO ANDESITIC PORPHYRITIC DYKE OR XENOLITH -from 30.7-31.4 and 34.9-35.5 weakly hematized medium grain leucotonalite probably dykes within xenolith -variably orientated carb stringers at 3-4" spacing $\leq 2\text{mm}$ throughout section												
36.5	39.0	MASSIVE MEDIUM GRAIN LEUCOTONALITE-TRONDELJEMITE												
39.0	51.6	MEDIUM GRAIN MODERATELY SHEARED TONALITE-DIORITE -gradational from last section, similar carb stringers -at 44.0' qtz-carb-chlorite vein -0° -at 45.1' 50° qtz-carb-chlorite-tourmaline 1-2cm vein; minor pyrite -equivalent to medium grain chloritic varably of tonalite on surface												
51.6	55.6	MASSIVE TO WEAKLY FOLIATED TONALITE -mafics altered to chlorite plag relatively unaltered, trace pyrite -from 54.4-55.6' 2-3% pyrite in irregular microfractures	18797	6.0	54.0	60.0	Tr	Nil						
55.6	62.0	STRONGLY FOLIATED, TONALITE -45° fab, strong sericitization of plag giving blotchy appearance; also start of weak hematitic alterations -from 55.6-58.0' 1-2mm tourmaline stringers parallel to foliation and also blackish colours (?) due to disseminated tourmaline -some irregular carb stringers, trace pyrite												
62.0	71.0	VARIABLE MASSIVE TO MODERATELY SHEARED TONALITE -massive up to 64.0' then variably developed foliation, trace pyrite												

OROFINO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 OFFICE
 MAY 19 1988
 RECEIVED

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						Au oz/t	Ag oz/t			
71.0	83.0	<p>INTENSE PINK HEMATITIC () ALTERATION</p> <ul style="list-style-type: none"> -superimposed on weak-moderately foliated tonalite -loss of texture and decreased plag and qtz, chlorite remains -cut by irregular chlorite stringers, some with minor pyrite, otherwise trace pyrite -gradational to chloritic sericitized trondhjemite down hole <p>73.6-75.7 strongly foliated mafic diorite/lamprophyre dyke with sharp 45° contacts with pink tonalite</p> <ul style="list-style-type: none"> -one granitic (?) clast at 73.7' (dykes are similar to Goose-Egg Albitite dykes in Timmins Camp) -contour slivers of pink altered tonalite but no alteration is observed in dyke suggesting it intruded after this alteration -dyke is cut by at least two generations of qtz-carb (+ chlorite and tourmaline) veinlets at 74.5' 	18798	5.0	71.0	76.0	Tr	NIL			
			18799	5.0	76.0	81.0	Tr	NIL			
83.0	101.0	<p>WEAK-MODERATELY FOLIATED TRONDHJEMITE (0' SERICITIZED TONALITE)</p> <ul style="list-style-type: none"> -weak hematitic pink alteration in patches -at 88.6' ½cm 45° carb-chlorite vein with 5% pyrite within 1-2cm 88.7-89.2 3 irregular <1cm qtz-carb-chlorite veinlets ~5% py over this width 89.2-89.7 6" qtz-tourmaline-carb-sericite vein at ~50°, 4-5% pyrite 89.7-90.0 silicified chloritized zone with ≥10% pyrite including 30° py-chlorite stringers ~1cm to ½cm thick -at 100.2' 80° qtz-carb-chlorite (+ tourmaline) 2cm veinlet 	18800	2.0	88.0	90.0	Tr	NIL			
101.0	108.0	<p>WEAK TO MODERATE PINK HEMATITIC ALTERATION IN WEAKLY FOLIATED TONALITE</p> <ul style="list-style-type: none"> -cut by numerous chlorite-carb irregular veinlets with pyrite at 101.2; 105.3; 107.9 and 108.0' 	18801	6.0	101.0	107.0	Tr	NIL			
108.0	117.5	<p>MODERATELY SHEARED AND SERICITIZED TONALITE</p> <ul style="list-style-type: none"> -slightly hematized in patches -at 109.0-110.0' highly sericitized and sheared portion with two qtz-carb-chl. veins ¾ and 1" respectively; ≤1% pyrite -many 20°-50° chlorite (?tourmaline) filled microfractures 	18802	3.0	107.0	110.0	Tr	0.92			

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						As oz/t	Ag oz/t			
117.5	137.0	<p>MASSIVE GREY COARSE GRAINED TONALITE</p> <ul style="list-style-type: none"> -slightly hematized up to 123.0'; minor carbonate stringers + pyrite 1-2% -at 120.8' qtz-carb-tourmaline 45° lcm vein in 1' section of strongly sheared and sericitized tonalite 									
137.0	168.0	<p>MODERATELY SHEARED GREY SERICITIZED TONALITE</p> <ul style="list-style-type: none"> -with carbonate stringers -one relatively massive section from 153.0-155.0'; sheared tonalite is cut by carb-chlorite stringers may be parallel to 45-50° fabric -at 135.3' 90° qtz-carb-tourmaline-chlorite 1" vein; no sulphides in vein ~ 1-2% in sericitized wallrock -at 137.6' 45° 1/2" qtz-carb-chlorite-pyrite vein, with tourmaline filled microfractures at 137.0' -at 145.6 and 146.2' 1" 45° qtz-carbonate vein, minor tourmaline and cpy -at 155.4' 2" zone of shearing and chlorite-carb stringers -at 159.5 6" zone of shearing ~45° with carb-tourmaline stringers -at 162.9' 1" carb-chlorite vein with pyrite and minor cpy 									
168.0	188.0	<p>GREY MASSIVE TONALITE TO LEUCOTONALITE</p> <ul style="list-style-type: none"> -4-6" spaced carb (+ chlorite) stringers, small zones within of strong shearing -at 175.5-176.0' silicification, 2% pyrite in chloritic microfractures -increased pyrite (up to 5%) -at 177.5' over 3" associated with 50 2mm qtz veinlet -at 178.5' over 6" associated with 50 2mm qtz veinlet and silicification -at 184.8' over 2" associated with qtz and carbonate stringers with silicification 									
188.0	196.5	<p>STRONGLY FOLIATED CHLORITIZED TONALITE</p> <ul style="list-style-type: none"> -45° fabric defined by qtz elongation and allargando of chlorite -series of irregular carb stringers perpendicular to this ~45° fabric -also qtz eyes fractured perpendicular to long axis & veined by carbonate -at 189.0' carb-chlorite stringers -at 189.7' 80° qtz-carb with 5% within 2cm of vein, lcm vein -at 190.3' 70° carb 1/2cm stringers -at 192.3-193.0' 3 carb stringers -at 193.1' lcm 50° qtz-chlorite-pyrite vein -from 193.0-196.0' increased disseminated pyrite associated with silicification and carb stringers ~3-4% -at 194.9-195.3' 4" 45° qtz-carb-sericite vein with disseminate pyrite in adjacent wallrock, plus ~3% pyrite in vein associated with tourmaline filled fractures 	18803	4.0	192.0	196.0	Tr	WIL			

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						Au oz/t	Ag oz/t					
196.5	206.6	RELATIVELY MASSIVE COARSE GRAINED CHLORITIZED TONALITE -with irregular closely spread carb-chlorite stringers, trace pyrite											
206.6	244.1	MODERATELY FOLIATED (SHEARED) GREY TONALITE -with carb-chlorite stringers, trace pyrite, highly carbonated and sericitized -at 232.4-233.1' chloritized, silicified zone with 1/2" qtz-carb stringers -at 234.0' 40° 2" carb-qtz vein (+ tourmaline-chlorite) -at 235.1' irregular clot of qtz-carbonate-chlorite -at 238.6-244.1' lighter coloured silicified zone with 3-4% pyrite associated with carb crystal qtz stringers, 1" qtz vein at 243.7' -transitional into strongly sheared section down hole	18804	6.0	238.0	244.0	Tr	NIL					
244.1	251.2	STRONGLY FOLIATED AND SERICITIZED TONALITE -with paler patches of silicification interfingering with darker highly sericitized portions (especially with 6" of vein) 2-3% pyrite overall -at 249.3' 60° 3cm qtz-carb vein	18805	5.0	244.0	249.0	Tr	0.80					
			18806	3.0	249.0	252.0	Tr	1.06					
252.2	254.5	QUARTZ VEIN -mixture of fine qtz veins and stringers and wallrock inclusions especially at base; has 2' bleached zone beneath vein -portions with 10-15% pyrite; ~5% overall, ~1% cpy, ~1% MoS ₂ in places; cut by calcite (carb) filled fractures also minor tourmaline	18807	2.5	252.0	254.5	Tr	NIL					
254.5	267.6	MODERATELY TO STRONGLY FOLIATED TONALITE -at 261.9' 6" of very strongly foliated tonalite -at 262.2-262.6' qtz vein with 3-4% pyrite, carbonate trace -at 262.8-267.6' bleached (silicification, sericitization) -zone perhaps approaching near very strongly sheared section											
267.6	276.8	STRONG TO INTENSE SHEARING IN TONALITE -as 188.0-196.0 section (see previously) with carbonate microfractures perpendicular to extension direction parallel to 40° fabric; 1-2% pyrite -at 267.9' 2" 80° qtz-tourmaline-carbonate vein -at 271.6-272.2' moderate sheared bleached zone (as above) with 1"x1/2" qtz-tour-carb veins at top and base respectively -N.B. at 274.8-275.2' qtz-carb-pyrite vein (15-16% py, minor MoS ₂ and native Ag)	18808	5.0	269.5	274.5	Tr	1.12					
			18809	1.0	274.5	275.5	Tr	NIL					

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						As oz/t	Ag oz/t			
276.8	291.5	<p>MODERATELY TO STRONG SHEARED BLEACHED TONALITE</p> <p>280.0-290.0 irregular carbonate-qtz veins spaced at 3-6" intervals</p> <p>-at 283.5-291.0' pyrite $\geq 5\%$ as small stringers and clots in strongly sheared and silicified tonalite particularly at 284.0; 286.1 and 288.5'</p> <p>-at 289.9' 60° qtz-carb-tourmaline vein 1cm wide</p>	18810	4.0	283.0	287.0	Tr	NIL			
			18811	4.0	287.0	291.0	Tr	1.22			
291.5	303.6	<p>WEAKLY FOLIATED GREY TONALITE</p> <p>-foliated 40°</p> <p>-with 1% coarse grain euhedral pyrite, mostly in filling occurrence fractures with carbonate</p> <p>-at 292.8' 1/8" medium grain euhedral pyrite stringer (70°)</p> <p>-at 297.4-297.6' silicified zone with qtz and carbonate pods-stringers (1/2" - 1" long and wide) 75°; zone begins and ends with two 1/8" tourmaline stringers (75°), minor chlorite</p> <p>-at 306.5-306.8' 1/4" carb-qtz stringers (30°) with chlorite, 30% coarse grain py in stringers</p>									
303.6	326.6	<p>WEAKLY SHEARED TO MASSIVE TONALITE</p> <p>-with minor pyrite, gradational contact with above unit</p> <p>-with frequent fractures filled with carbonate, minor chlorite (35°-60°; $\leq 1/4$</p>									
326.6	335.7	<p>WEAKLY SHEARED GREY TONALITE</p> <p>-shearing gradually increases over zone</p> <p>-with fractures (25-45°) $< 1/4$" carbonate filled with minor chlorite</p>									
335.7	379.3	<p>MODERATELY SHEARED TONALITE</p> <p>-foliated (40°) gradual contact with above unit</p> <p>-1% medium grain to coarse grain euhedral pyrite disseminated through zone or in carbonate stringers</p> <p>337.3-338.1 strongly silicified and sericitized zone, shearing gradual gets stronger from 335.7 to end of this zone</p> <p>338.1-338.5 5" white qtz vein (contacts semi-regular 70-80°), minor chlorite, carbonate, wispy tourmaline bands start and end this zone, 10% py 3% cpy, pyrite mostly on two edges of zone as medium grain</p> <p>338.5-338.6 intensely silicified tonalite</p> <p>338.6-340.3 strongly silicified zone</p>	18812	2.0	335.4	337.4	Tr	1.02			
			18813	2.0	337.4	339.4	Tr	NIL			
			18814	2.0	339.4	341.4	Tr	NIL			

WELL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY: Custom F.A.				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
438-87-3	54.0	60.0	18797					Trace	Nil	X									
	71.0	76.0	18798					"	"										
	76.0	81.0	18799					"	"										
	88.0	90.0	18800					"	"										
	101.0	107.0	18801					"	"										
	107.0	110.0	18802					"	0.92										
	192.0	196.0	18803					"	"										
	238.0	244.0	18804					"	"										
	244.0	249.0	18805					"	0.80										
	249.0	252.0	18806					"	1.06										
	252.0	254.5	18807					"	"										
	269.5	274.5	18808					"	1.12										
	274.5	275.5	18809					"	"										
	283.0	287.0	18810					"	"										
	287.0	291.0	18811					"	1.22										
	335.4	337.4	18812					"	1.02										
	337.4	339.4	18813					"	"										
	339.4	341.4	18814					"	"										

Francis T. Marino

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS			
from	to						As oz/t	Ag oz/t		
		25.6-39.4 MAFIC VOLCANIC (con't)								
		34.0-34.5 5" white qtz vein, upper contact lost in missing core, bottom irregular ($\approx 70^\circ$); with 25% tourmaline, 20% carbonate (often ankerite stained) minor chlorite and 1% pyrite								
		35.0-36.4 moderate sheared tonalite intrusion (70°); same as 25.6-26.5								
		36.4-38.5 diorite dyke -- fine grain, grey with blue cordierite? rounded phenocrysts and large stretched dark phenocrysts similar to above lampro, both contacts sharp at 40° ; 5% pyrite								
		37.7-39.4 qtz vein -- white waxy qtz with some carbonate minor tourmaline; 2% cpy; with above diorite inclusion up to 1 1/2" long; .3' missing from zone and towards end of zone qtz is rusty and weathered looking and vuggy								
39.4	44.6	STRONGLY SHEARED AND STRONGLY SILICIFIED TONALITE -foliation 40° ; gradually gets less sheared towards bottom contact -2% fine grain to medium grain euhedral pyrite often in fractures, 2% cpy 44.1-44.2 1/4" qtz vein (60°) semi-irregular with 30% cpy, 5% pyrite in stringers	18819	5.0	39.6	41.6	Tr	NIL		
44.6	56.7	MODERATELY TO WEAKLY SHEARED TONALITE -decreases in intensity of shearing towards bottom, well fractured, often filled with chlorite -2% medium grain to coarse grain euhedral pyrite found locally associated with chlorite 51.1-52.6 zone is bleached pale green to cream, with dark chlorite and tourmaline in fractures and pyrite rich zone, 5% pyrite as above over zone 54.5-54.6 1/4" qtz vein (60°) 54.6-55.0 zone is bleached; same as 51.1-52.6	18820	6.0	51.0	57.0	Tr	NIL		
56.7	69.0	MAFIC VOLCANIC -medium grey to green grey; fine grain mafic, strongly altered, occasional carb qtz stringers/vein ($\leq 1/4"$) -upper contact missing in lost core, 1% medium grain euhedral pyrite 56.7-60.5 green and white mottled to banded due to high (40%) carb contact 61.7-63.6 moderately sheared tonalite; both contacts sharp, both at 60° ; occasional wispy tourmaline stringers	18821 18822 18823	4.0 2.0 1.5	57.7 65.5 67.5	61.7 67.5 68.0	Tr Tr Tr	NIL NIL NIL		

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS					
from	to						Au oz/t	Ag oz/t				
193.2	219.7	WEAKLY TO MODERATELY SHEARED MAFIC VOLCANIC, STRONGLY CARBONATIZED -medium grain, dark green, well strongly carbonatized, many fine grains of carb. -occasional carbonate or qtz stringers or pods ($\leq \frac{1}{4}$ ") and occasional to irregular vein -trace pyrite, more locally	18858	2.0	193.3	195.3	Tr	NIL				
		194.7-194.8 $\frac{1}{2}$ " granodiorite intrusion (60°)	18859	2.0	210.0	212.0	Tr	NIL				
		199.4-200.1 $\frac{1}{2}$ " irregular granodiorite intrusion ($\approx 5-20^\circ$)	18860	5.0	215.0	220.0	Tr	NIL				
		200.8-201.2 zone is bleached around $\frac{1}{2}$ " carbonate/qtz vein (75°) (from 200.8-200.9)										
		203.2-203.3 1" granodiorite intrusion (50°), partly replaced by carbonate and quartz, trace cpy										
		207.0-209.0 .5' of core missing										
		209.0-219.0 2' of core missing; especially in a few places listed below, broken core										
		-at 209.0-210.0' core broken missing and ground in pieces										
		-at 214.7-217.1' broken and missing core, 1-2" pieces										
		-at 217.1-217.6' broken and missing core, $\frac{1}{2}$ " pieces										
		-at 217.6-217.9' broken and missing core, 1-2" pieces										
		-at 217.9-218.7' broken and missing core, $\frac{1}{2}$ " pieces										
		210.3-210.4 $\frac{1}{2}$ " irregular carbonate stringers (55°) and pod, with 20% pyrite over .1' zone										
		210.7-210.8 $\frac{1}{2}$ " granodiorite intrusion (80°)										
		210.8-211.1 $\frac{1}{2}$ " carbonate/chlorite vein (40°) with increase in py in surrounding wallrock; 10% medium grain euhedral py, 1% cpy over .3' zone										
		215.6 part of at least $\frac{1}{2}$ " qtz vein in broken core ($\approx 30^\circ$) hematite stained, trace pyrite										
		216.3-216.7 1" intensely silicified granodiorite intrusion; low angle in broken core										
		217.1-217.6 with some pieces of silicified granodiorite intrusion										
		217.6-219.7 moderately to strongly silicified granodiorite; with 3% fine grain pyrite in stringer filling fractures or associated with tourmaline -at 217.9-218.4' broken pieces have 20% tourmaline, 5% fine grain to medium grain euhedral pyrite, 1% cpy -bottom contact (65°)										

} all approx.

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						Au oz/t	Ag oz/t	Cu ppb	Pb ppm	Zn ppm
219.7	235.2	<p>MODERATELY SHEARED, STRONGLY CARBONATED MAFIC VOLCANIC</p> <p>-fine grain to medium grain, dark green, moderately sheared, foliation (55°)</p> <p>-many carbonate stringers and pods occasionally with qtz as well, 1X fine grain to medium grain euhedral pyrite, more locally</p> <p>219.9-220.0 1/8" to 1/4" silicified granodiorite intrusion (65°), irregular</p> <p>223.1-223.3 1" strongly silicified tonalite (not granodiorite) (65°), trace cpy</p> <p>225.7-225.9 (once tonalite intrusion) 1" carbonate vein (45°), minor chlorite and qtz, 3X medium grain euhedral cubes pyrite</p> <p>226.8-226.9 (once tonalite intrusion) 1/2" carbonate vein (50°), minor chlorite</p> <p>227.1-227.2 1/4" tonalite intrusion (55°), semi-regular, being replaced by carb.</p> <p>228.2-228.3 1 1/2" irregular tonalite intrusion (55°) being replaced by carb and some quartz</p> <p>230.8 1/4" carbonate/qtz vein (70°)</p> <p>234.4-234.7 zone is vuggy 1/12-1/8" wide vags (carb dissolved away?); some carb still there, 5X medium grain euhedral pyrite, 7X cpy</p>									
235.2	306.0	<p>STRONGLY SHEARED, MODERATELY TO STRONGLY SILICIFIED MAFIC VOLCANIC</p> <p>-with occasional weird beige-brown mineral</p> <p>-moderate sericite with patches of strong sericite, dark green, fine grain, foliation (55°), with abundant carbonate pods and irregular stringers with qtz</p> <p>-weakly carbonatized except where strong sericite or silica (then no carb)</p> <p>-3X pyrite over total zone, 1-2X fine grain to medium grain throughout most of unit; locally rich (also locally barren), minor cpy, rich locally</p> <p>235.2-235.4 1" irregular fractured greyish qtz vein (65°), 5X fine grain to medium grain euhedral pyrite, 1X cpy, wallrock enrich in pyrite</p> <p>235.9-236.3 with 30X pyrite, fine grain in band, subparallel to foliation, with carbonate between bands; is it replacing chlorite?, with 5X cpy mostly around carbonate stringers and blebs</p> <p>245.0-249.3 moderately to strongly sericitized, light due to sericite (bluish-grey-green)</p> <p>-at 248.7-249.3' intensely sericitized</p> <p>249.8-250.5 2" chlorite/carbonate/sericite/qtz vein (15°), 3X fine grain to medium grain euhedral pyrite, trace cpy, trace pyrite; minor tourmaline, 10X sphalerite?</p> <p>250.7-252.0 5X pyrite over zone as mostly fine grain in short stringers following foliation; zone may also contain slightly more carbonate</p>	18862 18863 18864 18865 18866 18867 18868 18869 18870 18871 18872 18873 18874 18875	1.0 5.0 5.0 2.5 2.5 3.0 3.0 2.5 5.0 5.0 2.0 3.5 2.0 5.0	235.9 236.9 241.9 246.9 249.4 251.9 251.9 254.9 257.9 260.4 265.4 265.4 270.4 272.4 272.4 275.9 277.9 277.9	236.9 241.9 246.9 249.4 251.9 254.9 257.9 260.4 265.4 270.4 272.4 275.9 277.9 282.9	Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr Tr	NIL 0.92 1.04 0.88 0.92 NIL NIL NIL 0.80 0.82 NIL NIL NIL 0.54 0.82	348 484 246	253 215 178	166 150 100

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
							As oz/t	Ag oz/t	Cu ppb	Pb ppm	Zn ppm
306.0	333.1	<p>STRONGLY SERICITE, MODERATE TO STRONG SILICIC, STRONG SHEARED MAFIC</p> <p>-bleached to creamy pale green grey; occasional dark chlorite bands are only diorite minerals (some chlorite bleached)</p> <p>-with abundant carbonate stringer and pods; irregular</p> <p>-foliation at 65°</p> <p>-1% pyrite found locally usually with carbonate stringers and pods</p> <p>306.8-307.6 very bleached zone (yellow green) but all trace of dark colours green with 1% cpy; around 3/4" white qtz vein (60°) at 307.2-307.4</p> <p>308.7-308.8 1/2" greyish qtz vein (60°) with 10% tonalite</p> <p>309.0-309.4 zone is well carbonate and has qtz pools; with 20% chlorite, 5% tourmaline, 5% cpy with qtz, 5% fine grain pyrite as bands with a few coarse grain of pyrite</p> <p>314.4-314.5 1" int. silicic tonalite intrusion (65°)</p> <p>321.0-329.4 strongly to intensely silic mafic with whitish grey waxy qtz, 1% coarse grain pyrite, trace cpy</p> <p>-at 324.6-325.3 with 20% chlorite, 10% tourmaline</p> <p>-at 326.5-327.7 possible strongly sheared tonalite intrusion; both contacts at 50°</p> <p>-at 328.8-329.3' 1/2" chlorite/qtz/tourmaline vien; semi-irregular (25°)</p> <p>329.4-330.6 probable; strongly sheared, strongly sericitic tonalite inclusion; both contacts sharp (45°), with irregular carbonate staining (up to 1/2"); with 1% medium grain euhedral pyrite, trace cpy</p> <p>332.5-333.0 strongly silicified mafic zone with 20% chlorite minor tourmaline, 1/2% cpy, trace pyrite</p>	18881	5.0	304.9	309.9	Tr	NIL	144	170	102
			18882	4.5	309.9	314.4	Tr	0.98			
			18883	5.5	314.4	319.9	Tr	0.82			
			18884	4.5	319.9	324.4	Tr	0.80			
			18885	4.0	324.4	328.4	Tr	0.60			
			18886	1.5	328.4	329.9	Tr	0.78			
			18887	5.0	329.9	334.9	Tr	0.90	117	196	87
333.1	341.6	<p>STRONGLY SHEARED TONALITE INTRUSION</p> <p>-with strong sericite, upper contact (60°); lower contact (60°)</p> <p>333.1-335.2 only probable intrusion</p> <p>335.2 intrusion is sure</p> <p>335.7-341.6 strongly to intensely silicified intrusion</p> <p>340.8-341.1 3/4" carbonate/qtz vein (35°) with 15% tourmaline</p> <p>341.5-341.6 3/4" qtz vein (50°) which has bleached surrounding wallrock</p>	18888	4.5	334.9	339.4	Tr	NIL			
			18889	5.0	339.4	344.4	Tr	0.94			

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						Au oz/t	Ag oz/t	Cu ppb	Pb ppm	Zn ppm
341.6	372.6	WEAKLY TO MODERATELY SHEARED MAFIC VOLCANIC -weakly sheared sections are porphyritic with 20% pheno's mostly plagioclase -occasionally strongly sheared listed below; with occasional carbonate or qtz stringers or pods -sharp upper contact at 55°, lower contact sharp at (50°), trace pyrite, trace cpy -foliation at 60° 344.5-344.7 1 ^m moderately sheared tonalite intrusion (70°) 344.7-346.8 mafic is bleached pale green through zone -at 345.0-345.2' 2 ^m moderately sheared tonalite intrusion at 70° -at 345.2-345.8' with many carbonate stringers and pods, abundant sericite, 5% medium grain euhedral; pyrite through zone, mostly in qtz pods 346.8-347.1 3 ^m moderate to strongly silicic, moderately sheared tonalite intrusion at 60° 347.1-351.5 lamprophyre dyke; strongly sheared with dark grains of chlorite (now in semi-bands) with lots of qtz in between foliation, with minor tourmaline 348.4-349.3 moderate to strong silicic, moderately sheared ^{cored} tonalite intrusion at 60° 349.4-349.5 3/4 ^m strong silicic, moderately sheared tonalite intrusion at 65° 349.8-349.9 1 1/2 ^m intensely silicified, moderately sheared tonalite intrusion/qtz vein at 70°, 2% medium grain euhedral py 350.1-351.0 moderate to strong silicic, moderately sheared tonalite intrusion (upper sharp contact at 65°); (lower sharp contact at 40°); 1% medium grain euhedral pyrite 351.5-354.0 very porphyritic (weakly sheared) 354.0-354.1 1 ^m white qtz vein at 65° semi-regular 354.1-361.8 strongly silicified, moderately sheared tonalite inclusions; with 2% medium grain euhedral pyrite, occasional fractures filled with chlorite, trace cpy; both contacts sharp, upper (65°), lower (60°) -at 357.6-358.1' intensely silicified greeny-white waxy qtz 361.8-365.2 good porphyritic texture (weakly sheared) 365.2-368.6 lamprophyre dyke; moderately sheared, strongly silicified, medium grain with dark green grains of chlorite (large) -at 372.5-372.6' well sericite rich zones; 20% tourmaline, 1% medium grain euhedral pyrite, trace cpy 368.6-372.6 as 361.8-365.2	18890	2.5	344.4	346.9	Tr	0.94			
			18891	5.0	346.9	351.9	Tr	0.88			
			18892	5.0	351.9	356.9	Tr	1.12	140	190	86
			18893	4.0	356.9	360.9	Tr	1.06	144	180	75
			18894	3.5	365.0	368.5	Tr	1.26			

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 OFFICE
 MAY 19 1988
 RECEIVED

ORION
 RESOURCES LIMITED

ASSAY SUMMARIES

DRILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY: Custom F.A.				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
	438-87-4	25.6		31.6	18815				X	Trace	N11	X							
	31.6	34.6	18816				X	Trace	N11	X									
	34.6	37.6	18817				X	Trace	N11	X									
	37.6	39.6	18818				X	Trace	N11	X									
	39.6	41.6	18819				X	Trace	N11	X									
	51.0	57.0	18820				X	Trace	N11	X									
	57.7	61.7	18821				X	Trace	N11	X									
	65.5	67.5	18822				X	Trace	N11	X									
	67.5	68.0	18823				X	Trace	N11	X									
	69.0	74.0	18824				X	Trace	1.22	X									
	74.0	77.5	18825				X	Trace	N11	X									
	77.5	79.0	18826				X	Trace	N11	X									
	79.0	81.0	18827				X	Trace	N11	X									
	92.0	94.0	18828				X	Trace	N11	X									
	94.0	96.0	18829				X	Trace	N11	X									
	96.0	98.0	18830				X	Trace	N11	X									
	101.2	103.2	18831				X	Trace	N11	X									
	103.2	105.7	18832				X	Trace	N11	X									
	105.7	107.2	18833				X	Trace	N11	X									
	107.2	109.0	18834				X	Trace	N11	X									
	109.0	111.0	18835				X	Trace	N11	X									
	111.0	115.0	18836				X	Trace	N11	X									
	115.0	117.0	18837				X	Trace	N11	X									
	117.0	120.0	18838				X	Trace	N11	X									
	120.0	121.0	18839				X	Trace	N11	X									
	121.0	125.0	18840				X	Trace	N11	X									

Francis T. Mann

WELL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY: Custom F.A.				VALUE		REFERENCE:			RE-ASSAYED SAMPLE NUMBER	ASSAYED BY: Assayers (Ontario)				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
38-87-4	125.0	128.2	18841				X	Trace			X								
	128.2	130.7	18842				X	Trace			X								
	130.7	132.7	18843				X	Trace	N11		X								
	132.7	137.7	18844				X	Trace	N11		X								
	137.7	142.7	18845				X	Trace	N11		X								
	142.7	147.7	18846				X	Trace	N11		X								
	147.7	152.7	18847				X	Trace	N11		X								
	152.7	157.7	18848				X	Trace	N11		X								
	157.7	161.7	18849				X	Trace	N11		X								
	161.7	163.7	18850				X	Trace	N11		X								
	163.7	166.2	18851				X	Trace	N11		X								
	166.2	170.2	18852				X	Trace	0.50		X								
	181.3	183.3	18853				X	Trace	N11		X								
	183.3	186.8	18854				X	Trace	N11		X								
	186.8	188.3	18855				X	Trace	N11		X								
	188.3	192.3	18856				X	Trace	N11		X								
	192.3	193.3	18857				X	Trace	0.54		X								
	193.3	195.3	18858				X	Trace	N11		X								
	210.0	212.0	18859				X	Trace	N11		X								
	215.0	220.0	18860				X	Trace	N11		X								
	233.9	235.9	18861				X	Trace	N11		X								
	235.9	236.9	18862				X	Trace	0.92		X								
	236.9	241.9	18863				X	Trace	1.04		X								
	241.9	246.9	18864				X	Trace	0.88		X								
	246.9	249.4	18865				X	Trace	0.92		X								
	249.4	251.9	18866				X	Trace	N11		X		18866			.002	0.04		
	251.9	254.9	18867				X	Trace	N11		X								
	254.9	257.9	18868				X	Trace	N11		X								
	257.9	260.4	18869				X	Trace	0.82		X		18870			.001	.03		
	260.4	265.4	18870				X	Trace	N11		X								
	265.4	270.4	18871				X	Trace	N11		X								
	270.4	272.4	18872				X	Trace	N11		X								
	272.4	275.9	18873				X	Trace	N11		X								
	275.9	277.9	18874				X	Trace	0.54		X								
	277.9	282.9	18875				X	Trace	0.82		X		18875			.002	.03		
	282.9	286.9	18876				X	Trace	0.90		X								
	286.9	290.9	18877				X	Trace	1.42		X								

DRILL LOG

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						Au oz/t	Ag oz/t					
0.0	15.2	CASING 4.8-15.2 granite and tonalite boulders											
15.2	23.3	MODERATELY SHEARED TONALITE -moderate hematite stained, moderate to strongly silicified, with many irregular qtz and carbonate pods and stringers -zone is weathered and rusty especially towards top of zone till 25.2' -1% medium grain euhedral cubes of pyrite -at 15.2' zone starts with an 1/8" tourmaline bands (50°)	18899	3.1	15.2	18.3	Tr	NIL					
		15.7-16.3 1" semi-regular pink hematite stained qtz vein (10°)	18900	1.0	18.3	19.3	Tr	NIL					
		18.6-19.1 1 1/4" irregular white qtz vein (low angle, never crosses core), 20% chlorite, 10% carbonate, minor tourmaline, slightly hematite stained wallrock is slightly enriched in coarse grain pyrite	4837	5.0	19.3	24.3	Tr	NIL					
		19.2-23.3 strongly silicified zone											
23.3	81.9	MAFIC VOLCANIC -dark green-grey, fine grain to medium grain, often porphyritic with up to 35% plagioclase and other crystals -many irregular carbonate stringers and pods and an occasional qtz stringers -sharp and regular upper contact at 55°, foliation at approx. 40° -1% medium grain euhedral cubes of pyrite found locally	4838	2.5	24.3	26.8	Tr	NIL					
		23.3-27.0 strongly silicified mafic -at 25.1-25.2' intensely silicified tonalite intrusion at 75°; moderate hematite stained, with minor carbonate	4839	2.5	26.8	29.3	Tr	NIL					
		-at 26.6-26.8' 1" carbonate/qtz vein at 45°	4840	2.0	29.3	31.3	Tr	NIL					
		27.0-29.0 DIORITE DYKE; fine grain to medium grain matrix with large phenocrysts of blue rounded cordierite(?) and rounded white qtz eyes -moderate to strongly sheared, strongly silicified -3% medium grain to coarse grain cubes of pyrite occasionally through zone											

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE
MAY 19 1988
RECEIVED

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS				
from	to						Au oz/t	Ag oz/t			
184.7	201.6	<p>MODERATELY TO STRONGLY SILICIFIED, MODERATELY TO STRONGLY SHEARED TONALITE</p> <p>-grey tonalite, foliation (45°), occasional irregular carbonate stringer or pod and very occasional qtz pods</p> <p>-1X medium grain euhedral cubes of pyrite</p> <p>-at 187.7' 1/2" white qtz stringers (45°) with carbonate</p> <p>188.4-188.5 1/2" qtz/carbonate stringer (50°) with 5% tourmaline, 5% chlorite</p> <p>195.6-195.7 1/2" tourmaline/qtz/carbonate stringer (55°) with 5% tourmaline, 5% very fine grain pyrite in irregular stringers</p> <p>198.2-198.6 4" weakly sheared mafic xenolith (55°); at 198.4-198.5' 1/2" to 1" white qtz stringer (55°), trace hematite staining</p> <p>199.8-200.0 1" intensely silicified tonalite band/qtz vein (65°); minor carb, weakly hematite stained</p> <p>201.0-201.4 1/2" to 3/4" qtz/carbonate stringer (30°), 3% medium grain euhedral py</p>	4856	4.0	182.5	186.5	Tr	NIL			
201.6	206.5	<p>WEAKLY TO MODERATELY SHEARED MAFIC VOLCANIC (XENOLITH)</p> <p>-fine grain, dark green although most of unit is bleached lighter to medium green</p> <p>-foliation at 35°, many irregular carbonate stringer and pods and some qtz pods</p> <p>-both contacts sharp upper (40°), lower (50°), with occasional wispy tourmaline bands</p> <p>-1/2 medium grain pyrite, in chlorite filled fractures</p> <p>203.1-203.2 1/2" white semi-regular qtz stringer (50°) with white carbonate</p>	4857	5.5	201.5	207.0	Tr	NIL			
206.5	232.9	<p>MODERATE SILICIFIED, MODERATE TO STRONGLY SHEARED TONALITE</p> <p>-very similar to 184.7-201.6' but lighter and with up to moderate sericitization</p> <p>210.9-211.1 1" mafic (as 201.6-206.5) xenolith (45°)</p> <p>213.2-213.4 irregular mafic xenolith</p> <p>213.7-213.8 1/2" white qtz stringer (50°) with minor carbonate; faulted (65°) with up to 1/2" of displacement</p> <p>215.8-216.0 1 1/2" qtz/carb vein (55°), 2% fine grain euhedral cubes of pyrite, 2% cpy, trace hematite</p> <p>216.0-216.5 well carbonated zone, with many carbonate stringers, small -1%, 2% fine grain euhedral cubes of pyrite</p> <p>217.3-217.4 1 1/2" carb/greyish qtz vein (60°)</p> <p>218.1-218.2 1/2" chlorite/greyish qtz/carbonate stringer (55°)</p> <p>218.5-218.6 1/2" semi-regular greyish qtz stringer (75°) with minor carbonate</p>	4858	5.0	215.5	220.5	Tr	NIL			
			4859	1.0	228.7	229.7	Tr	NIL			

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS			
							Au oz/t	Ag oz/t		
from 279.9	to 293.0	<p>WEAKLY SILICIFIED, MASSIVE TO WEAKLY SHEARED MAFIC</p> <p>-medium green-grey, fine grain to medium grain, bleached looking mafic</p> <p>-moderately well fractured, foliation at approx 55°</p> <p>-trace pyrite, ½% cpy</p> <p>280.8-281.2 moderately silicified, moderately sheared tonalite intrusion (80°)</p> <p>282.9 ¼" chlorite/carbonate/qtz stringer (85°), minor tourmaline</p> <p>283.2 ¼" chlorite/carbonate/qtz stringers (85°), minor tourmaline</p> <p>284.2-284.3 1½" strongly silicified tonalite intrusion (85°)</p> <p>286.6-286.9 1" intensely silicified tonalite/white qtz vein (50°)</p> <p>287.3-288.1 zone is bleached to pale green</p> <p>287.7-288.1 strongly silicified tonalite intrusion (65°)</p> <p>290.4 ½" strongly silicified tonalite intrusion (75°)</p> <p>291.4 1/8" medium grain to coarse grain pyrite stringers (55°)</p> <p>291.6-291.7 1" moderately to strongly silicified tonalite intrusion (65°)</p> <p>292.8-293.1 broken core of moderately to weakly sheared tonalite; ends with mafic core pieces</p>	2865	2.0	282.0	284.0	Tr	NIL		
	293.0	END OF HOLE								

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 OFFICE
 MAY 19 1988
 RECEIVED

OROFINO
 RESOURCES LIMITED

ASSAY SUMMARIES

HILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY: Custom F.A.				VALUE		REFERENCE:			Re-Assayed SAMPLE NUMBER	ASSAYED BY:				VALUE	
	from	to		BW	SW	XR	THR	As oz/t	Ag oz/t	Drill Log	Sample Book	Assay Result		BW	SW	XR	THR	As oz/t	Ag oz/t
	438-87-5																		
	15.2	18.3	18899					Trace	Nil	X									
	18.3	19.3	18900					"	"										
	19.3	24.3	4837					"	"										
	24.3	26.8	4838					"	"										
	26.8	29.3	4839					"	"										
	29.3	31.3	4840					"	"										
	49.2	51.7	4841					"	"										
	57.8	58.8	4842					"	"										
	64.5	67.0	4843					"	"										
	67.0	68.5	4844					"	"										
	72.5	73.5	4845					"	"										
	81.0	83.0	4846					"	"										
	94.0	95.5	4847					"	"										
	104.0	105.5	4848					"	"										
	108.2	109.2	4849					"	"										
	153.2	154.7	4850					"	"										
	157.5	162.5	4851					"	"										
	162.5	167.5	4852					"	"										
	167.5	172.5	4853					"	"										
	172.5	177.5	4854					"	"										
	177.5	182.5	4855					"	"										
	182.5	186.5	4856					"	"										
	201.5	207.0	4857					"	"										
	215.5	220.5	4858					"	"										
	228.7	229.7	4859					"	"										
	243.0	244.0	4860					"	"										
	249.8	254.8	4861					"	"										
	254.8	259.8	4862					"	"										
	267.5	271.5	4863					"	"										
	275.0	276.0	4864					"	"										
	282.0	284.0	4865					"	"										

Francis T. Mann

DRILL LOG

DEPTH		DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS						
from	to						As oz/t	Ag oz/t					
0.0	9.0	CASING											
9.0	16.4	WEAKLY TO MODERATELY SHEARED GREYWACKE -dark grey, fine grain to medium grain foliated (55-65°) metasediment -occasional qtz pod or stringers throughout, very occasional carbonate stringer -1% fine grain pyrite, pyrite rich locally	4866	5.0	9.0	14.0	Tr	NIL					
		9.0-20.7 abundant broken and missing core; between 9.0-19.0' 2.5' of core is missing; between 19.6-20.7' 0.5' of core is missing; broken and missing core especially at (approx): 9.0-10.3' 1/2" and 2" pieces 10.7-10.9' 1" pieces 11.8-12.0' 1" pieces 12.3-12.5' 1" pieces 14.6-15.3' 1/2" to 1" pieces 15.9-16.7' 1" pieces 16.7-16.9' 1/2" pieces 17.2-18.3' 1/2" to 1" pieces 19.6-20.7' 1/2" to 1" pieces	4867	2.0	14.0	16.0	Tr	NIL					
		9.0-10.4 zone with many thin (< 1/8") vuggy carbonate stringer subparallel to foliation; 3% medium grain euhedral pyrite											
		9.0-26.9 core is weathered and vuggy and occasionally rusty, decreasing towards end of zone											
16.4	23.7	MODERATELY TO STRONGLY SHEARED GREYWACKE WITH QTZ/CHERT BANDS -greywacke (as 9.0-16.4') is banded with carbonate and qtz/chert bands and boudinaged stringers (up to 1/2") with 35% qtz/chert, 15% carbonate -3% very fine grain to fine grain euhedral pyrite mainly in carbonate bands	4868	4.0	16.0	20.0	Tr	NIL					
		21.1-21.2 contorted (folded) bands 21.2-21.3 fractured (20°) with displacement up to 1/2"	4869	4.0	20.0	24.0	Tr	NIL					

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE

MAY 19 1988

RECEIVED

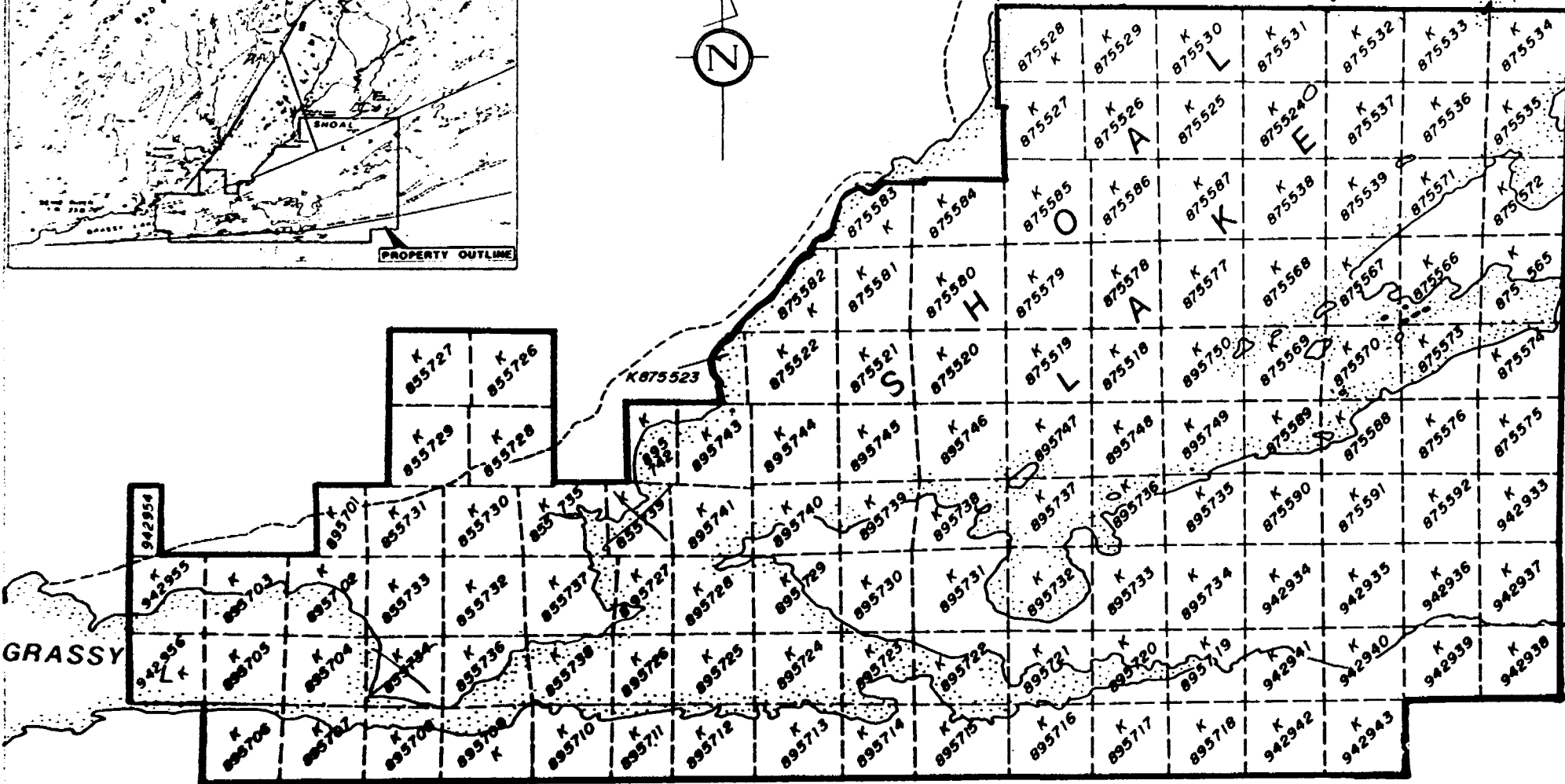
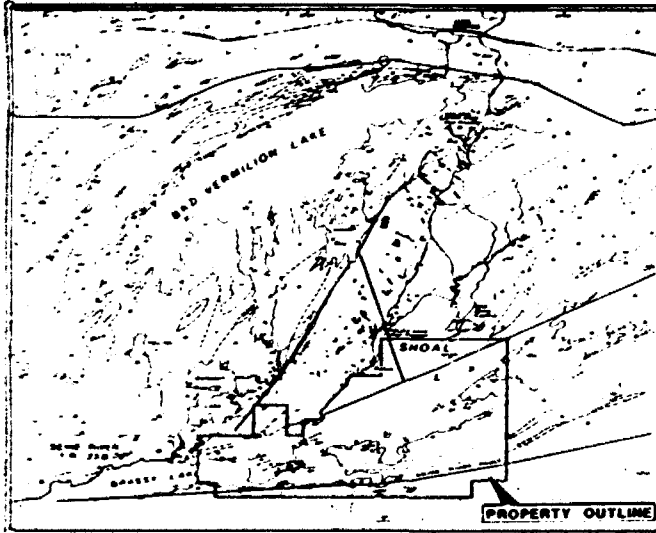
OROFINO

RESOURCES LIMITED

ASSAY SUMMARIES

MILL HOLE NUMBER	FOOTAGE		SAMPLE NUMBER	ASSAYED BY: Custom F.A.				VALUE		REFERENCE:			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
438-87-6																			
	9.0	14.0	4866					Trace	Nil	X									
	14.0	16.0	4867					"	"										
	16.0	20.0	4868					"	"										
	20.0	24.0	4869					"	"										
	24.0	29.0	4870					"	"										
	29.0	34.0	4871					"	"										
	34.0	37.0	4872					"	"										
	37.0	42.0	4873					"	"										
	42.0	47.0	4874					"	"										
	82.5	83.5	4875					"	"										
	95.0	96.0	4876					"	"										
	97.5	99.5	4877					"	"										
	112.5	114.0	4878					"	"										
	120.7	121.7	4879					"	"										
	144.0	145.0	4880					"	"										
	155.5	157.0	4881					"	"										
	237.0	238.5	4882					"	"										
	238.5	243.5	4883					"	"										
	243.5	248.0	4884					"	"										
	248.0	251.0	4885					"	"										
	251.0	252.5	4886					"	"										
	252.5	254.0	4887					"	"										
	254.0	259.0	4888					"	"										
	259.0	264.0	4889					"	"										
	264.0	269.0	4890					"	"										
	269.0	274.0	4891					"	"										
	274.0	279.0	4892					"	"										
	279.0	284.0	4893					"	"										
	284.0	288.0	4894					"	"										
	294.5	295.5	4895					"	"										
	306.5	309.0	4896					"	"										
	321.5	324.5	4897					"	"										
	331.0	333.0	4898					"	"										
	335.0	336.0	4899					"	"										

Re-Assayed



Francis T. Mann
 March 28, 1988

OROFINO RESOURCES LIMITED
 SEINE RIVER OPTION Proj 438
 MINE CENTRE AREA, RAINY RIVER DISTRICT, ONT.
 NTS 52C/10

CLAIM MAP

SCALE 1 in. = 1/2 MILE

SEINE RIVER ASSESSMENT - PROJECT 638

March 24, 1988

<u>Claim</u>	<u>Man-Days</u>	<u>Claim</u>	<u>Man-Days</u>
K-855730,	100	K-895718,	10
K-855731,	100✓	K-895721.	5
K-855734	25	K-895722.	40
K-855735,	135	K-895723.	40
K-855738,	130	K-895724,	45
K-855799	110	K-895726.	100
K-875523,	30	K-895727.	130
K-875535,	5	K-895728.	115
K-875566,	30	K-895729.	140
K-875567,	5	K-895730,	20
K-875574,	30	K-895731.	15
K-875582,	15	K-895732,	45
K-875588,	20	K-895733,	10
K-895701,	100✓	K-895736.	20
K-895704,	60	K-895737,	30
K-895705,	60	K-895739,	30
K-895706,	100	K-942940	30
K-895707,	100	K-942941	15
K-895708,	40	K-942942	30
K-895710,	10	K-942934,	10
K-895713,	20	K-942935,	22
K-895714,	10	K-942936.	10
K-895715,	25	K-942938,	10
K-895716,	10	K-942954.	140
K-895717,	10	K-942955,	40
		K-942956,	60

2,442 Man-Days
 - 135

 2,307

KENORA
 MINING DIV.
RECEIVED
 MAR 31 1988
 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM



Ministry of
Natural
Resources

Report
of Work

DOCUMENT NO.

W8801-128



52C10NE0039 33 BAD VERMILION LAKE

900

Project #638 **BAD VERMILION**
6-2665 The Min

Name and Postal Address of Recorded Holder: **DROFINO RESOURCES LIMITED**

Inspector's Licence No.: **T 931**

P.O. Box 143, 2701 - First Canadian Place, Toronto, Ontario, Canada **M5X 1C7**

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 2442 2307	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
For Performance of the Following work. (Check one only)									
<input type="checkbox"/> Manual Work	See attached list of 51 claims								
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.									
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.									
<input type="checkbox"/> Power Stripping									
<input checked="" type="checkbox"/> Diamond or other Core drilling									
<input type="checkbox"/> Land Survey									

All the work was performed on Mining Claims(s): K-855726, K-855729, K-855731, K-895701, K-855737

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

JKS - 300 and LONGYEAR 38

Triangle Drilling Co. Ltd.
106 Fielding Road
R.R. #2
Lively, Ontario
POM 2E0

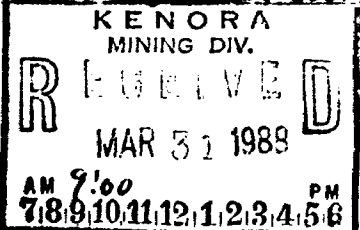
ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE

MAY 19 1988

RECEIVED

438-87-1	650' ✓
438-87-2	350' ✓
438-87-3	400' ✓
438-87-4	400' ✓
438-87-5	293' ✓
438-87-6	349' ✓
<hr/> 2,442'	

August 25, 1987 to September 18, 1987



Date of Report: **March 25, 1988**

Recorded Holder or Agent (Signature): *Francis T. Manns*

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:
Dr. Francis T. Manns, 42 Highfield Road
Toronto, Ontario M4L 2V1

Date Certified: **March 25, 1988**

Certified by (Signature): *Francis T. Manns*

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	855726	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil