DIAMOND DRILLING

TOWNSHIP: Silk

REPORT No.: 11

WORK PERFORMED BY: Orofino Resources Ltd.

CLAIM No.	HOLE No.	FOOTAGE	DATE	NOTE
P 520308	83-28	501	July/83	(1)

NOTES: (1) #208-83

NORTHGATE EXPLORATION LIMITED

Property: Orofino
Location: L132+00W
Co-ordinates: 1000'S BL[1] & 30'W
Section:
Length: 501'
Elevation:
Azimuth: 150° Dip: 45°

HOLE: 83 - 28
Core size: AQ
Dip Tests: 501' -42°
Started: July 7, 1983
Completed: July 11, 1983
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
0.0	12.0	CASING					
12.0	12.5	TUFF: very fine grain, grey black siliceous lapilli tuff, fine grain tuff, graphitic tuff, alternating layers pyritic graphite, amorphous acid tuff, fine kernal lapilli acid dark grey tuff, foliation parallel bedding 20°TCN, chert lenses					
12.5	36.7	RHYOLITE: white to light cream, porphyritic, amygdaloidal, very fine grain vitreous matrix, abundant subhedral phenos cream feld. and avoidal colourless anygdules, secondary minute fractures of brittle matrix lined with discontinuous po., lensing clusters fine brown mica parallel fabric lineation 40°TCN 22.5-23.1 breccia type qtz vein marginal fine po., tensional lenses po., pulsing injection	7557	.6	22.5	23.1	
		from 27' colour darkening to grey to dark grey, mica more abundant, some phenocrysts, amygdules; from 31.5-32.2 vertical brecciated qtz vein parallel core (slice along core) barren 33.5-36.7 very fine py, po., mix with brown mica disseminated thru matrix, 4 to 5%? includes .4' barren cb. vein at lower Ct.	7558	3.2	33.5	36.7	
36.7	96.0	TUFF: as described 12.0; lighter grey with dark bands, clear sharp bedding with variable 20° to 40°TCN, abundant chert bands and lenses, thin cb. lenses parallel bedding and in fractures at 10° to 40°TCN, local minor arching of beds which are 3 mm. to several cm. thick, several massive segments of lapilli tuff (fine rounded fragments in very fine grain matrix) 66.2-67.0 barren cb., branching vein at 20°TCN all features strongly conformable with local angle of bedding, dark grey to brown chert bands brittle, fractured, bleached parallel to fractures, rare py, fine clustered along bedding and in cross fractures only very local at 83', cb. qtz 3 cm. with minor py-po.					
96.0	96.8	BRECCIA: angular fragments, explosive brx., non oriented, multi-sized fragments very fine grain, slightly more basic matrix with abundant later cb.					

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Azimuth: Dip:

Dip Tests:
Started:
Completed:
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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
		96.0 - 96.8 (con't) injected in matrix, clustered fine po within rhyolite fragments, some in situ fracturing of fragments, a crude orientation 40°TCN					
96.8	181.8	TUFF: as above 36.7-96.0; light grey green dacitic tuff - longer segments (5') massive lapilli tuff with lesser segments bedded tuff - chert 20° to 30°TCN, trace fine py and po., fragments of lapilli tuff predominantly rhyolitic with minor clustered amphibole chlorite (mafics), at 106.6 inter-fragmental Ct. of lapilli tuffs at 115.0 to 116.2, qtz feld. cb. barren, vein slice at 90°TCN, isolated segments of some vein thru lower 4' of core with minor clustered po. below 116.2 ratio of bedded, 5 mm. average, alternately coloured, water lain tuff to lapilli tuff about 1::1 with many recurring sharp Cts. between two types; thru bedded cherty ash tuff some clustered lensing po. (minor) suggests in situ crystallization variation in size of lapilli fragments and thickness over short widths makes for confusion with very thin amygdoloidal dacitic flow segments <1' thick, from 140.5-148.6 continuous segment brownish green lapilli tuff, abnormal thickness from 148.6-149.0 very dark blue black very fine grain siliceous delicately bedded tuff, 20°TCN from 171.2-181.8 continual segment of lapilli tuff fabric with 15% stretched 5 mm. to 1 cm. amygdules throughout, oriented 10°TCN, <1% pale py mainly along c'b'd slips					
181.8	189.6	DIABASE: fine to med. grain, grey, running along db. contact, plagioclase, pyroxene in diabasic array, massive, py 2 to 4% at 187' 4 cm. wedge of amygdaloidal rock above, additional wedge 189', lower Ct. 70°TCN					
189.6	192.6	HORNFELS: silicified, baked equivalent of ash tuff (finely bedded) and small widths lapilli tuff, 10°to 20°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
192.6	232.3	DIABASE: as above 181.8-189.6; fine grain Ct. phase, dark blue green 192.6-197', grading to med. grain massive cental portion - 4% py thru fine grain and med. grain, upper blue black Ct. 45°TCN, lower 10°TCN, with 2' fine grain border phase, 3% py					
232.2	246.3	TUFF: intimate mixture lapilli tuff, finely bedded ash tuff, chert lineses with fine grain ash tuff, stretched white (feld.) rhyolite TCN 10° and 20°, lithic fragments in very fine grain, light brown matrix with very fine py <1%, characterized by short lengths of various fragmental phases, highly variable explosive sequence in latter stages of volcanism, met'm has stretched and deformed rhyolite fragments parallel bedding					
246.3	254.0	DIABASE: med. grain dark grey-green, minimal fine grain Ct. phase, upper Ct. 30° TCN, lower 10°; usual 'diabasic' fabric, plag. laths., pyroxene in typical orientation, dyke is massive, featureless with 3% py in isolated clusters, sporadically porphyritic with some larger plag. and some pyroxene, rare fractures with thin cb. fill					
254.0	256.9	TUFF: as above 232.3-246.3; considerable compositional and colour variation over 1 cm. widths with intermittent 5 mm. chert lenses, minor py, all low ∠ to CN					
256.9	259.9	DACITE: very light grey, lightly cb'td, fine grain matrix with abundant chl. clusteres, rosettes and partial lenses, alt'r't'n masked original fabric, minor py, massive, featureless					
259.9	287.2	TUFF: as above 232.3-246.3; extremely variable com'n over short widths, 5 to 15° TCN 268.4-268.8 black slatery siltstone with authegenic blebs fine grain pyr-marcasite similar to modules in graphitic tuff, 5°TCN					
287(	289.5	ANDESITE: med. grain, med. brown, featureless massive andesite but scattered light amygdules					

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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
289.5	328.0	TUFF: well bedded, variable, cherty, consistent thin chert bands, lenses 295.0-300.0 py fine authigenic 8% associated with chert parallel bedding	7559	5.0	295.0	300.0	
		300.0-305.0 as above, authigenic 5% associated with chert and acid tuff from 305' several segments crystal tuff, rhyolitic matrix with ovoidal qtz. feldspar augen (mis of qtz. feld.)	7560	5.0	300.0	305.0	
		305.0-311.0 in situ 4% py, lenses cb. with py, threading of fine py in cracks of xstall tuff, total 8% py, cb. fracture 1 cm. with cpy	7561	6.0	305.0	311.0	
		311.0-317.0 several small wiggy veins, mainly in situ py parallel bedding	7562	6.0	311.0	317.0	
		322.0-328.0 rhyolitic bedded tuff with strands of pyritic ash tuff, pumice and crystal tuff, py 2 types, conformable and in cracks, 6 to 8% thin strands rhyolite, chert lenses, Cb. vein .8' barren	7563	6.0	322.0	328.0	
328.0	336.8	RHYOLITE: light green white fine grain siliceous matrix, porphyritic, abundant qtz and subhedral feld. phenos and aggregated chlorite metacrysts, fine py					
336.8	341.0	QTZ CB. VEIN: several en echelon segments qtz cb. vein with intervening rhyolite 336.8-341.0 minor marginal py rimming barren qtz. cb. veins, 10° to 40°TCN	7564	4.2	336.8	341.0	
341.0	345.0	RHYOLITE: more pure than above, med. grey, strongly porphyritic, feld. 3 mm. parly resorbed, carbonated, high ratio metacrystic chl. relicts					
345.0	359.6	TUFF: light brown, fine grain bedded tuff, varying intensity brown colour,					
359.6	363.6	CRYSTAL TUFF: rhyolitic cream white base with crs. orbicular qtz in profusion, some impure grey green augen, similar size, chloritic impurities within rare clustered py, noduels oriented 5°TCN, much fine cb. with cream and green augen					

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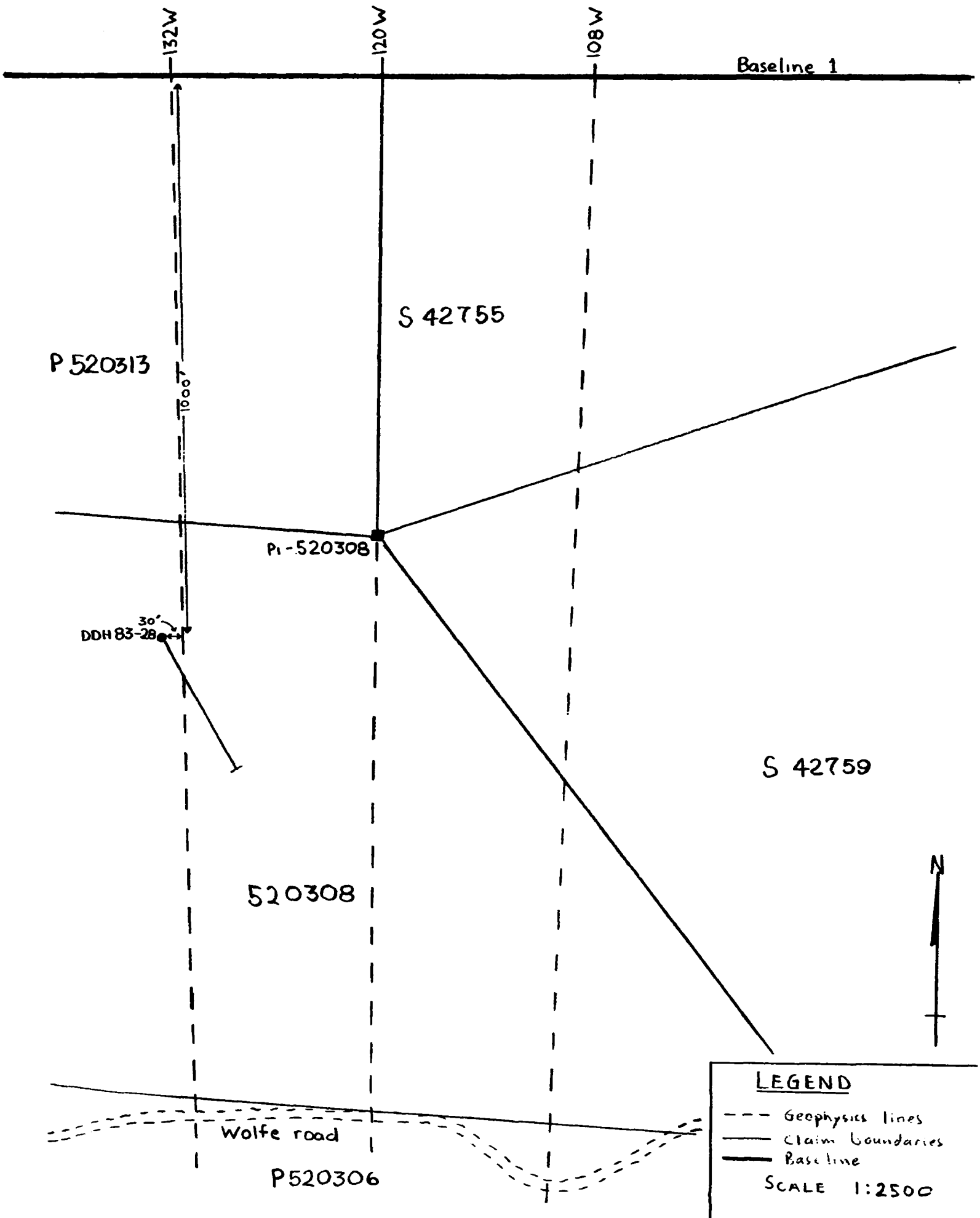
DEPTH from	DEPTH to	DESCRIPTION NOTE: All angles are measured with respect to the long core axis.	sample number	width	from	to	ASSAYS
363.6	383.0	TUFF: brown bedded compositional layering, minute fragments in predominant type with interlayered rhyolitic bands, brittle, cut by innumerable fractures and threads with thin bleached rims along bedding and cracks predominantly ash tuff with water lain features, grading of beds indicate tops normal, chert as lenses and beds					
383.0	387.4	FAULT: dark black soft mortared fault gouge, contorted shaley with irregular nodules and schlieren qtz with later cb. schlieren and fracture fills, movement induced black slatey rock into thick tuff sequence, Cts. 45°TCN					
387.4	422.0	TUFF: as above 363.6-383.0; minor to trace py, authigenic po. in parallel grannular lenses with rhyolite (rare)					
422.0	433.6	RHYOLITE: fine grain white siliceous matrix, ovoidal qtz to 3 mm., subhedral phenoscrysts cream feld., chloritic metacrystic aggregated clots (relict mafics), thin en echelon fractures lined with fine py					
433.6	434.0	DIABASE (LAMPROPHYRE): black fine grain stringer dyke, brittle, 5% py as 3 mm. nodules in fine undecipherable matrix, Cts. 45°TCN, minute xenoliths diabase					
434.0	455.8	RHYOLITE: as described 422.0-433.6; fine cream matrix, qtz augen, subhedral feld. phenos.; at 439-440 and at 445-446 qtz cb. 1 cm. vein, clost py 3% 90°TCN, rare py aggregates, cb. stringers with trace sph., flat contacts					
455.8	501.0	TUFF: some alternation of tuffs, predominance of lapilli tuff with thin rhyolite and chert bands, longer segments of each individual rock type, need microscopic analysis to determine rock exactly, concretionary in situ fine po. in chert (note: great quantity fine fragments but megascopically no resemblance to turbidite) 471.5-472.2 multiple cb. vein with 5% py 45°TCN and wedge of strange c. grain talcose dyke with 20% fuchsite 474.1-474.7 same strange talcose white dyke, coarse grain with 20% fuchsite	7565	.7	471.5	472.2	
	501.0	END OF HOLE					

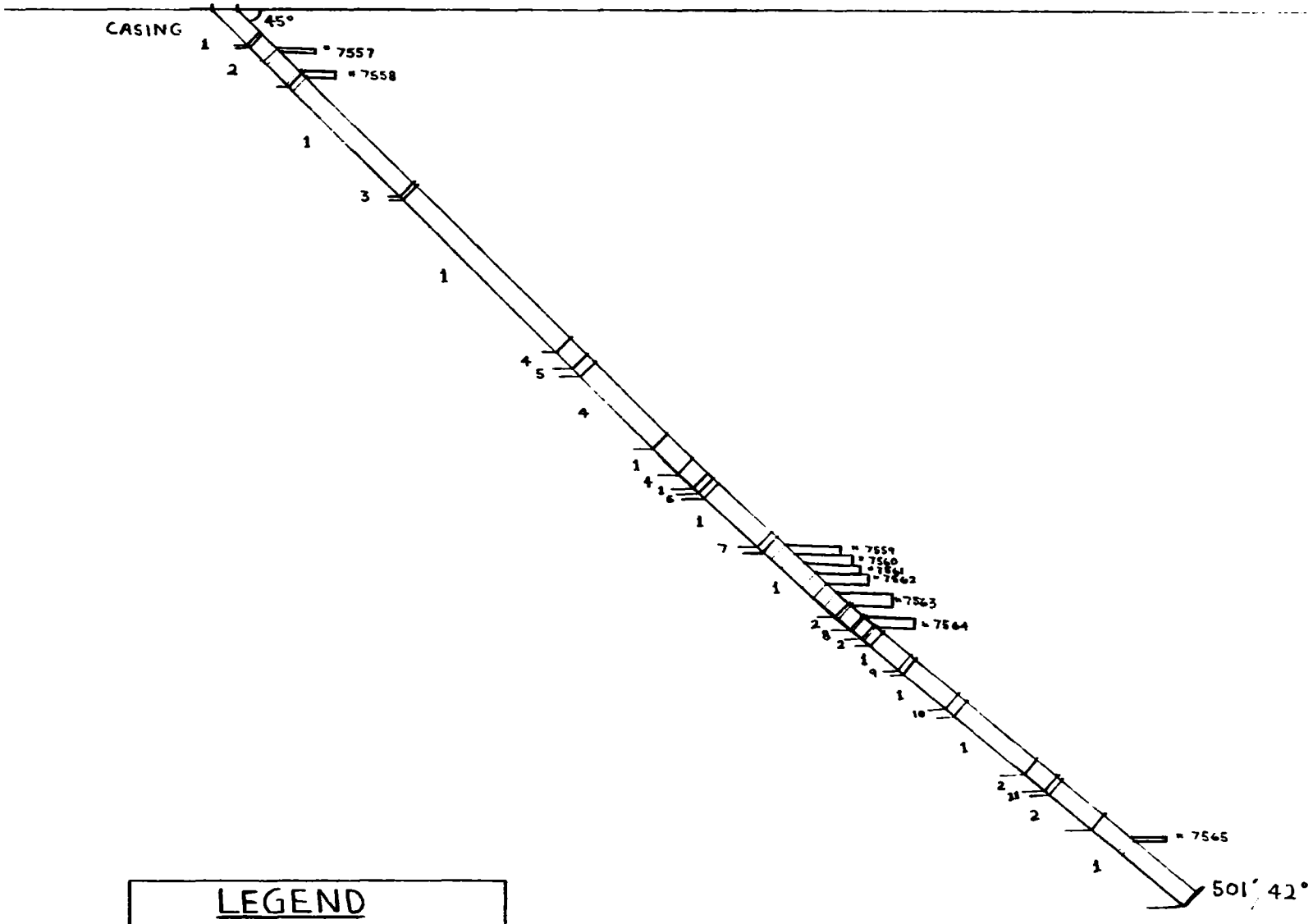
W. F. Gilman

LOCATION MAP OF ASSESSMENT HOLE DDH 83-28



CROSS SECTION OF DDH 83-28 – ASSESSMENT HOLE
WEST BLOCK OROFINO CLAIMS

DDH 83-28 (1000 ft. south of baseline 1, 30 ft. west of line 132 W)



LEGEND

1	TUFF
2	RHYOLITE
3	BRECCIA
4	DIABASE
5	HORNFELS
6	DACITE
7	ANDESITE
8	Qtz, Carbonate VIEN
9	CRYSTAL TUFF
10	FAULT
11	LAMPROPHYRE

SCALE

50 ft. 0 50 ft.

Ministry of Natural Resources
Ontario

Report of Work

#208

The Mi

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900

Name and Postal Address of Recorded Holder	Prospector's Licence No.
Orofino Resources Limited	T-931
P.O. Box 143, 1st Canadian Place, Toronto, Ontario M5X IC7	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 501	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.
for Performance of the following work. (Check one only)	P	520308	60	X	XXXXXX		P	520307	21
☐ Manual Work		520309	60						
☐ Shaft Sinking Drifting or other Lateral Work.		520310	60						
☐ Compressed Air, other Power driven or mechanical equip.		520311	60						
☐ Power Stripping		520312	60						
☒ Diamond or other Core drilling		520313	60						
☐ Land Survey		520314	60						
		520315	60						

All the work was performed on Mining Claim(s): 520308

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

Morissette Diamond Drilling
Haileybury, Ontario

Longyear Drill

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
AUG 23 1983
RECEIVED

PORCUPINE MINING DIVISION
RECEIVED
AUG 03 1983
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

RECORDED
AUG 03 1983
Receipt No. _____

Date of Report	Recorded Holder or Agent (Signature)
Aug 3/83	

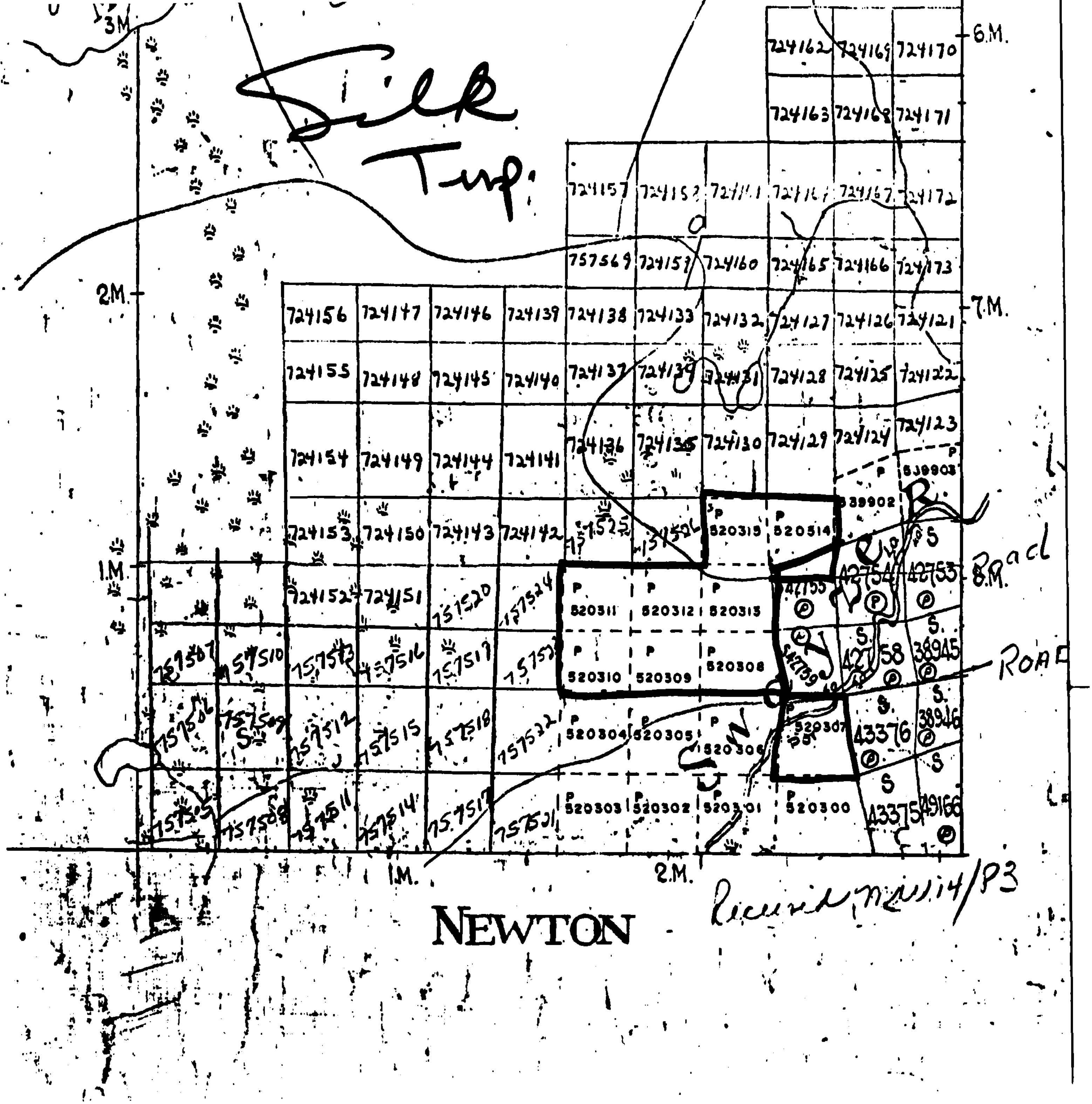
Certification Verifying Report of Work

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	Date Certified	Certified by (Signature)
Warren Gilman 107 Wilson Avenue, Timmins, Ontario	Aug 3/83	

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 Organization		



Silk Twp.
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