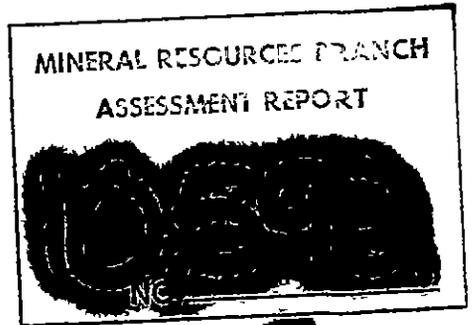


82-511-105928

DIAMOND DRILL PROGRAM ON THE  
QR MINERAL CLAIMS, QUESNEL RIVER AREA  
BRITISH COLUMBIA  
CARIBOO M.D.

NTS 93A12  
52°41'N, 121°48'W



by

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FOX GEOLOGICAL CONSULTANTS LTD.  
410 - 675 W. Hastings St.  
Vancouver, B.C.



for

Dome Exploration (Canada) Limited  
(Project 180)

CLAIMS  
QR 1-8

July 10, 1982.

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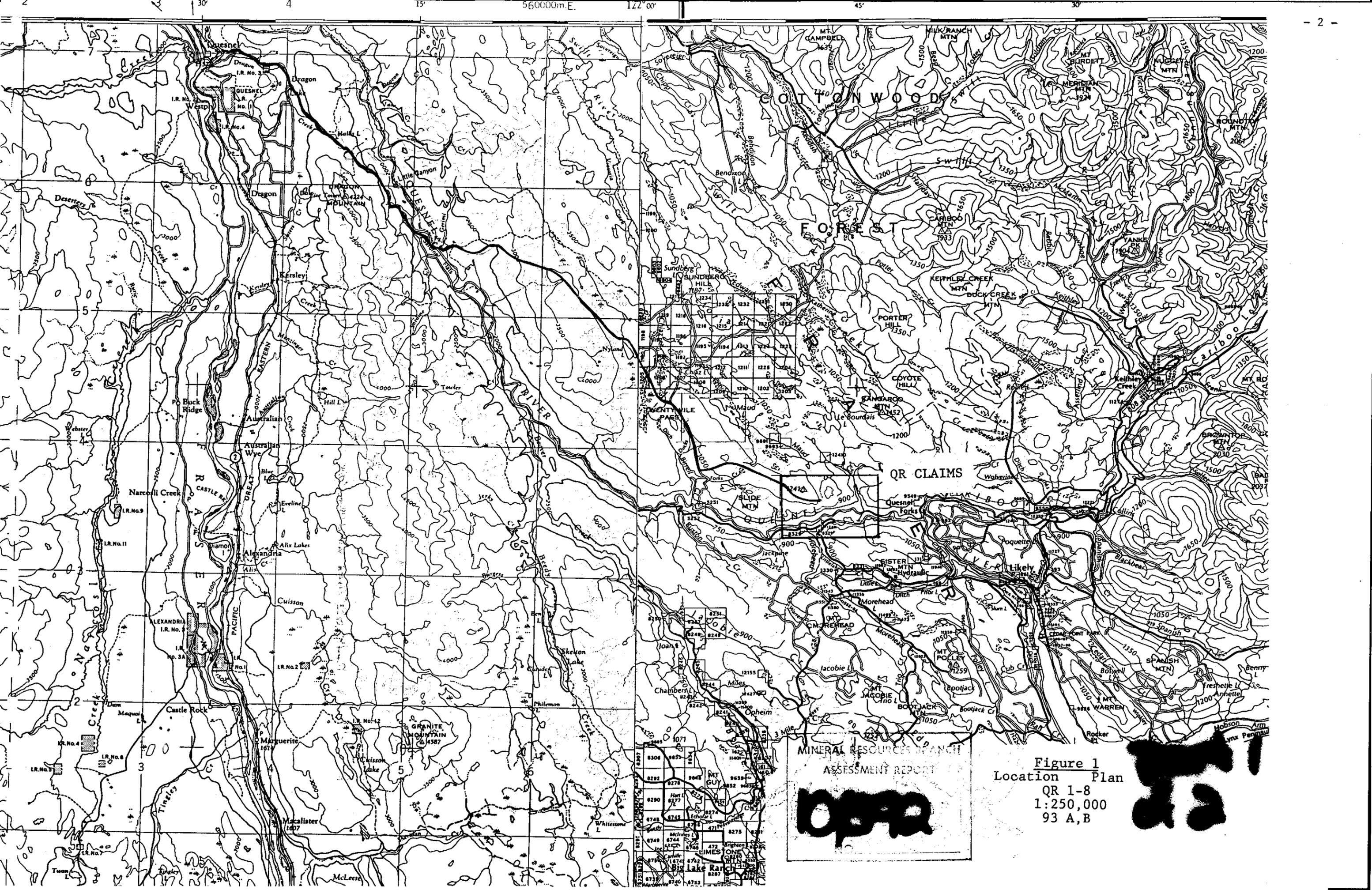
## INTRODUCTION

Results of diamond drilling work done on the QR claims between March 7 and April 21, 1982 are given in this report. The program was designed to evaluate a gold prospect originally staked in 1975 and explored by a series of drilling programs in 1976, 1977, 1978, 1980, and 1981. A total of 109 diamond drill holes comprising 19,700 metres has been drilled to date.

## LOCATION, ACCESS AND TOPOGRAPHY

The Quesnel River property is situated 58 kilometres southeast of Quesnel and 10 kilometres west of Quesnel Forks (Figure 1). Access to the site is by a series of gravel-surfaced roads from Quesnel to Sardine Flats to Maud Lake (45 kms) and a rough, four-wheel drive access trail from Maud Lake to the Quesnel River camp, a distance of 12 kilometres.

Local terrain consists of rolling hill country typical of the interior plateau region and deeply incised valleys of Quesnel River and Maud Creek near the south and east boundaries of the QR claim block. Relief from the Quesnel River to summit areas northwest of the deposit is 500 metres. The deposit, at an elevation of 1000 metres, is situated in a low depression between the Quesnel River to the south and a swampy, muskeg-filled valley that drains northerly to Maud Creek.



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**DPR**

Figure 1  
Location Plan  
QR 1-8  
1:250,000  
93 A, B



CLAIM INFORMATION

The property consists of eight mineral claims (130 units), and four placer claims (Figure 2). A report supporting assessment work to advance all claims to 1992 was filed with the B.C. Department of Mines on October 7, 1981. Work performed this year will advance expiry dates one year to 1993.

X-Group (4 claims, 60 units)

<u>Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Expiry Date</u>
QR 1	504	20	October 18, 1993.
QR 3	506	20	October 18, 1993.
QR 5	508	10	October 18, 1993.
QR 6	509	10	October 18, 1993.

Y-Group (4 claims, 70 units)

<u>Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Expiry Date</u>
QR 2	505	20	October 18, 1993.
QR 4	507	20	October 18, 1993.
QR 7	1830	15	August 8, 1993.
QR 8	1831	15	August 8, 1993.

Placer Claims

<u>Lease No.</u>	<u>Expiry Date</u> (Date of issue)
7967	December 31, 1982.
7968	December 31, 1982.
7969	December 31, 1982.
7970	December 31, 1982.



GEOLOGY

The Quesnel River property covers a dioritic stock and mineralized volcanic strata exposed on the north side of the Quesnel River. The property is situated 15 kilometres north of the Cariboo Bell copper-gold prospect situated on Polley Mountain. The Quesnel River prospect is associated with a small alkaline intrusion consisting of diorite, monzodiorite and monzonite that intrudes a thick succession of augite basalt, trachybasalt, felsic breccia, and volcanic wackes and sediments. Bedrock exposures on the property are confined to rocky summits and on steep slopes of the Quesnel River valley. The remainder of the area consists of gentle slopes where bedrock is covered by several metres of glacial till.

Dark grey basaltic flows and layers of unstratified autobreccia form rocky summits and ridges in the north half of the property. Poorly bedded volcanic wackes and sedimentary grits outcrop at lower elevations to the south and form steep limonite-stained bluffs above the Quesnel River near the north boundary of the QR 4 claim. The bluffs comprise a conspicuous gossan zone visible for many miles to the south. The sediments strike easterly, dip 60° south, and overlie the basaltic rocks exposed to the north.

Augite diorite and biotite monzodiorite form a composite stock exposed on steep bluffs and talus slopes north of the Quesnel River. The stock is exposed along the valley side for 1000 metres. Outcrops of diorite extend southerly almost to the Quesnel River but the stock is apparently covered by thick accumulations of glacial clays south of the River. The east and north part of the stock is highly fractured and altered to K-feldspar veinlets and irregular patches of epidote. Pyrite is abundant and forms disseminated grains and films on fractures.



180-55

Hole 55 cored basaltic rocks from 425m to 447m, fine grained, pyritic, weakly propylitized siltstone and basaltic wacke to 485m, and weakly altered basalts to 534.9m.

180-82

One drill hole, 180-82 extension, was drilled on the main mineralized zone during the spring program. The hole cored pyritic sediments, argillite and hornblende porphyry dykes to 241.7m; mixed calcareous basalt and siltstone to 252.8m; and pyritic, carbonate-rich basalt to 306.3m. Propylitized basalts and tuffs of the main zone were not intersected.

180-83

Drill hole 83 (333.5m) was collared at 11897E and 10364N and drilled southerly at  $-50^{\circ}$ . Calcareous basalts were cored from surface to 152.5m; weakly altered basalts to 188m; propylitized basalts to 232m; pyritic propylites, calcareous sediments and epidote-rich basalts to 319m; and propylitic basalts to 333.5m.

180-84

Drill hole 84 (408.4m) was collared 100 metres west of hole 83 and drilled south to test the north zone horizon. Calcareous basalts were cored from surface to 205.8m; weakly propylitized basalt, propylite and hornblende porphyry dykes to 327m; propylite, siltstone, propylitic basalts from 327m to 372.6m; and interlayered epidote-rich propylite and weakly altered basalt to 408.4m.

180-85

Hole 85 was collared on section 11600E and drilled north to test the basalt-sediment contact zone below Aldo's Fault. The hole cored pyritic siltstones and hornblende porphyry dykes to 187.4m; propylitic tuff and propylite to 191m; propylitized siltstone to 206m; altered basaltic rocks and propylite to 217m; altered basalts and felsic dykes to 343.8m; siltstone and propylite to 353m; and altered basalts and interlayered propylite to 417.6m.

180-86

Hole 86 was collared 100 metres west of 85 on section 11500E. The hole cored pyritic siltstone from surface to 255.6m; propylite to 260.4m; and weakly altered basalt to 336.1m.

180-87

Hole 87 was collared on section 11400E, 100 metres west of hole 86. Pyritic siltstones and hornblende porphyry dykes were cored to 194.9m; weakly altered basalt to 213m; propylite to 217.5m; interlayered propylitic basalt and thin propylite units to 260m; pyrite-rich propylite to 270.9m; propylitic basalt and hornblende porphyry dykes to 301m; and weakly altered basalts to 321.6m.

180-88

Holes 88, 89, and 90 were collared on section 11150E. All holes were drilled north at  $-50^{\circ}$ . Hole 88, the northernmost hole, cored pyritic siltstone and argillite to 44m; weakly altered basalt and related tuffs to 102.1m; fault gouge, monzonite and sheared monzonite to 125m; and pyritic hornfels to 350.5m.

180-89

Hole 89 was collared 100 metres south of hole 88 and drilled north to a depth of 217 metres. Black, pyritic, calcareous and locally graphitic argillite was cored to 71.9m; calcareous basalt to 98m; weakly altered basalt to 131.5m; chloritic gouge to 134.4m; and monzonite and diorite to 217.0m.

180-90

Drill hole 90 was collared 100 metres south of 89 and is the southernmost hole on section 11150E. The hole was drilled north to a depth of 167.6 metres. Black, calcareous argillite rich in pyrite and pyrrhotite was cored to 72.2m; calcareous basalt and basalt to 148.1m; pyritic gouge from 148.1m to 150.8m; and pinkish monzonite to 167.6m.

180-91

Hole 91 was collared 104 metres south of 85 and drilled north to a depth of 383.1 metres. Pyritic siltstones and numerous hornblende porphyry dykes were intercepted from surface to 286m; weakly altered basalt cut by numerous hornblende porphyry dykes were cored to 383.1 metres.

180-92

Hole 92 cored pyritic siltstone, argillite and hornblende porphyry dykes to 143.5m; propylite and calcareous basalt to 147.2m; propylitic basalt, hornblende porphyry dykes and thin layers of pyritic propylite to 191.7m; and pyritic, weakly calcareous basalt and hornblende porphyry to 243.8m.

DISBURSEMENTS

Salaries

T. Bruland, geologist, 47 days @ \$150	\$ 7050	
I. McCosh, sampler, 47 days @ 65	3055	
J. Fitzgerald, sampler, 47 days @ 65	3055	
P.E. Fox, supervisor, 20 days @ 300	<u>6000</u>	\$ 19,160

Drilling Expense

J.T. Thomas Contractor, 3442 metres BQWL		264,741
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Assays

Acme Analytical Laboratories Ltd. Cu, Au, Ag assays by A.A. 3442 assays		47,378
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Camp materials and construction

Two 14 X 16 buildings, wages for two carpenters		26,938
---	--	--------

Bulldozer charges

Plowing access roads, drill site preparation, clearing camp area. Purmal Excavating Ltd. invoice	\$ 14,758	
Prairie Creek Logging	1,430	
Trio Logging	<u>1,782</u>	17,970

TOTAL		<u>376,187</u>
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<u>'X' Group</u>	<u>m</u>	<u>'Y' Group</u>	<u>m</u>
55	110	82 extension	146
83	333	@	\$ 109/m
84	408		<hr/>
85	418		15,914
86	344		
87	321		
88	350		
89	217		
90	167		
91	383		
92	244		
	<hr/>		
	3295 m		
	@ 109/m		
	<hr/>		
	\$ 362,450		

Total drilled            3,442m  
Total cost                \$ 376,187  
Unit cost                 \$    109 per metre

All work paid by Dome Exploration (Canada) Limited

Prepared by  
FOX GEOLOGICAL CONSULTANTS LTD.



P.E. Fox Ph.D. P.Eng.  
July 10, 1982.

CERTIFICATE

I, Tor Bruland, of the City of Vancouver, Province of British Columbia, hereby certify as follows:

1. I graduated from the University of Bergen, Norway, in 1980 with a Cand. Real in geology. This degree is considered to be a qualification between the M.Sc and the Ph.D. in North America.
2. I have practised my profession as a geologist since 1980.
3. I worked in the Quesnel River property supervising drilling and logging the drill core, from February to June 1982.

Dated at Vancouver, B.C., this 11th day of March, 1983.

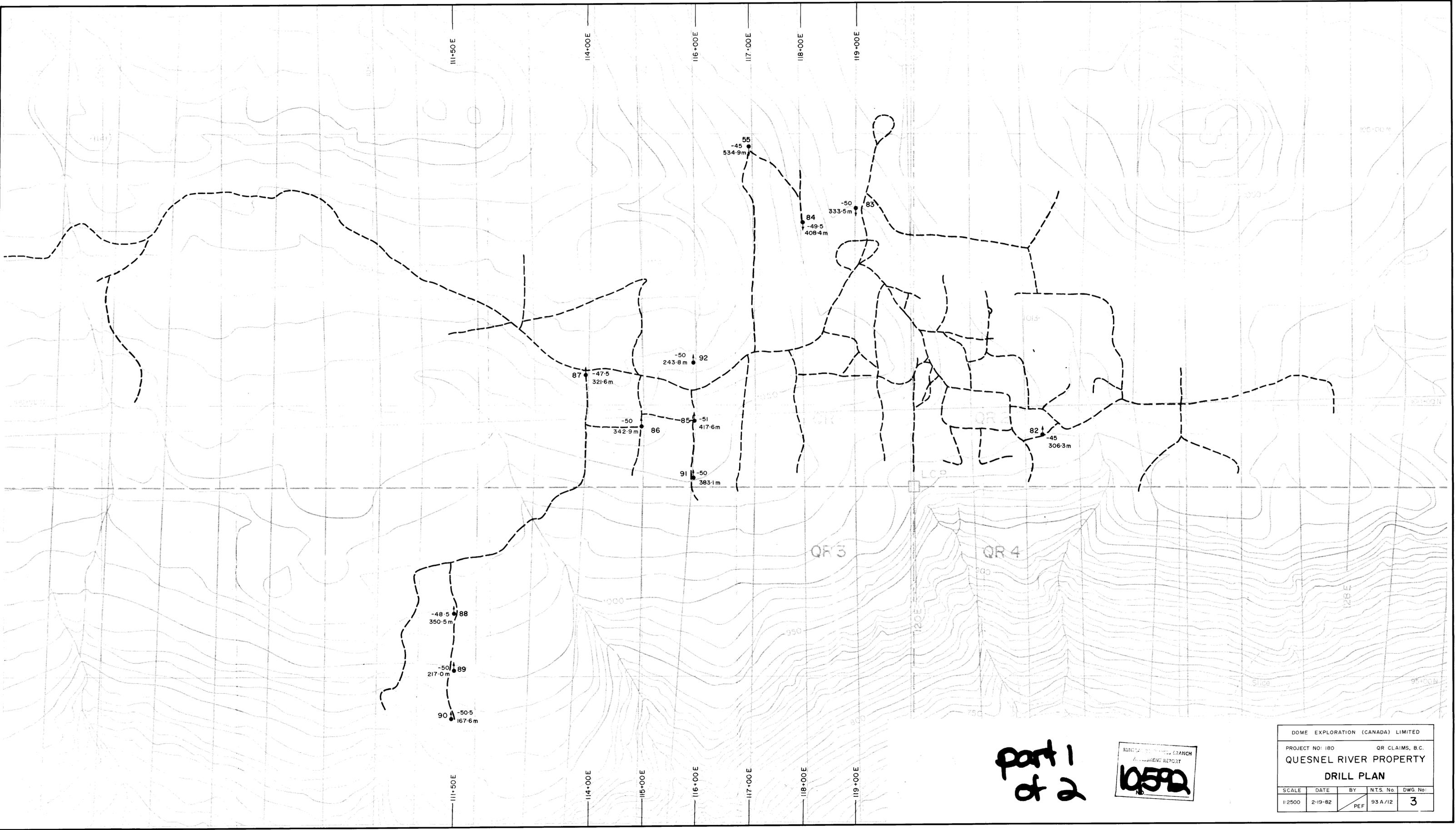
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Tor Bruland

APPENDIX I

DRILL LOGS

(Bound Separate)



part 1  
of 2

MINING BRANCH  
ASSESSMENT REPORT  
10592

DOME EXPLORATION (CANADA) LIMITED				
PROJECT NO: 180		QR CLAIMS, B.C.		
QUESNEL RIVER PROPERTY				
DRILL PLAN				
SCALE	DATE	BY	NTS. No	DWG No:
1:2500	2-19-82	PEF	93 A/12	3