92 J/9W

672990

GEOLOGICAL REPORT

ON THE

WHEELER LAKE PROPERTY

AL No. 3 - 8 Claims

SLOCAN MINING DIVISION

BRITISH COLUMBIA

LONGITUDE: 117° 02' W, LATITUDE 49° 46' N

FOR

AUCKLAND EXPLORATIONS LTD.

December 15th, 1984
Vancouver, British Columbia

D.P. Taylor, P.Eng.
Consulting Geologist

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Introduction

This report has been prepared at the request of Mr. J.M. Mirko, President of Auckland Explorations Ltd.

The property is located at Wheeler Lake, west of Ainsworth, Slocan M.D., B.C. (Figure 1).

The writer examined the property covered by the "Al" claims during property visits on June 28, 1983 in the company of J.T. Neelands, Consulting Geologist, and J.M. Mirko, and on October 5th, 1983. This report is based on data and obseravations obtained during the examinations and further data from a trenching program carried out by Korren Mine Services between June 19 to 24th, 1984. There is no other known data pertaining to the Wheeler Lake showings.

A first-phase programme of mineral exploration to trench and test the potential of known and unknown base-precious metal mineralization is recommended; diamond drilling is suggested in a follow-up programme.

Location

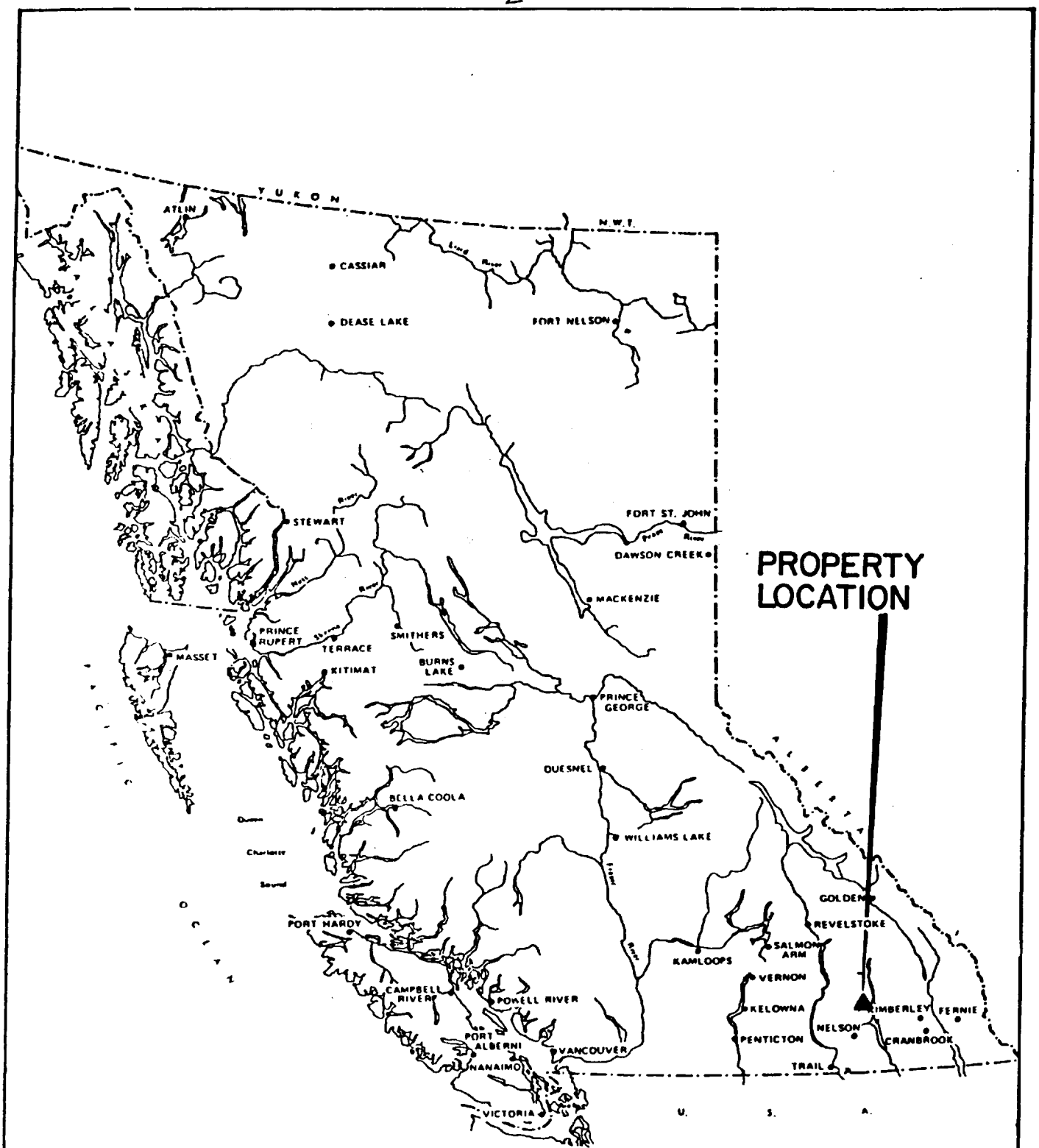
The claims are located about 9 km west of Ainsworth, B.C. in the Slocan Mining Division. The claim location line extends south 1500 metres from Wheeler Lake, (Figure 2). Topographical coordinates for the claims are: 49° 46'N, 117° 02' W.

N.T.S. Map Reference: 92J/9W.

Access

Access to the mineralized showings is by logging road and trail up Lendrum Creek from the Nelson-Ainsworth Highway or by local charter helicopter.

Surface access for the purposes of trenching by bulldozer and drilling is possible up the Lendrum Creek valley 3 km from the property to the end of the Lendrum Creek logging road. A road or cat-trail will have to be constructed from that point.



AUCKLAND EXPLORATIONS LTD.

WHEELER LAKE PROPERTY

LOCATION MAP

SLOCAN M.D., B.C.

0 200 400KM.

SCALE : AS SHOWN	N.T.S. 82F-14E
DATE : DEC. 1984	FIGURE Nº. 1

There is a helicopter pad, a 14' x 16' tent frame and other assorted equipment on the property to help facilitate work programs.

Physiography and Climate

The claim area lies in a mountainous region west of Kootenay Lake. All but the highest ridges and peaks have been glaciated. The main valleys are deeply covered by glacial deposits and recent alluvium.

The "Al" claims cover a small creek gully which slopes towards the south end of Wheeler Lake and lie at elevations from 1700 to 2100 metres. The mineral showings occur at an elevation of 1800 metres. Regionally the rock exposure is confined to the more rugged peaks and cirques, talus and alluvial deposits cover most downhill areas.

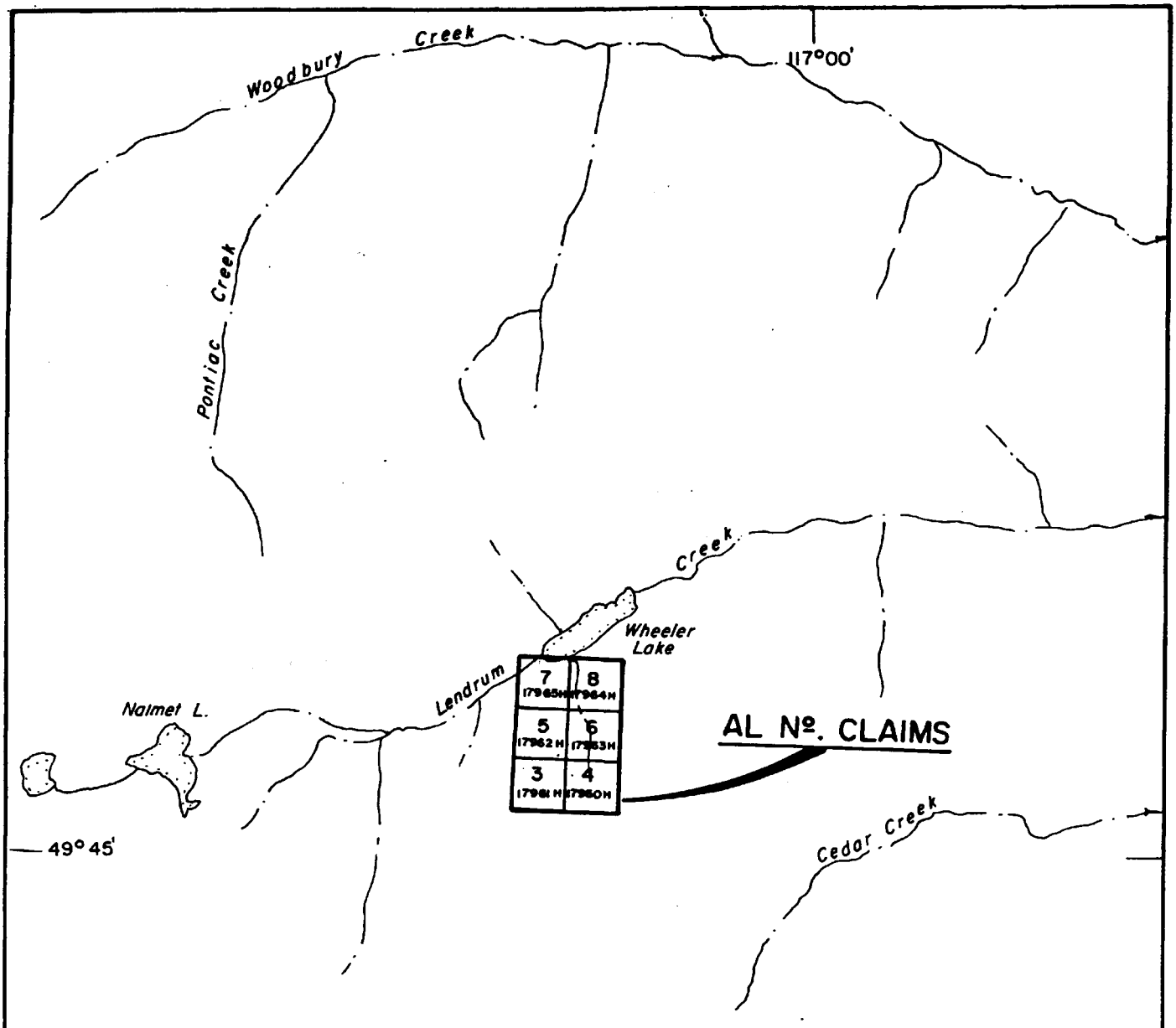
Vegetation in the claim area consists mostly of medium to large growth cedar, spruce and hemlock forest cover that reach heights of 30 metres.

Property Particulars and Ownership

The property consists of 6 located 2 post mineral claims in a group measuring 2 X 3 units.

The following particulars apply:

Claim numbers:	Al No. 3, Al No. 4, Al No. 5, Al No. 6, Al No. 7, Al No. 8.
Record numbers:	17961(H), 17960(H), 17962(H), 17963(H), 17965(H), 17964(H)
Month of Record:	July
Expiry Date:	July 24, 1985 for Al No. 3 - Al No. 5 and July 24, 1986 for Al No. 6 - Al No. 8



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WHEELER LAKE PROPERTY

CLAIM MAP

SLOCAN M.D., B.C.

0 1 2 3KM.

SCALE: 1:50,000	N.T.S. 82F-14E
DATE: DEC. 1984	FIGURE Nº. 2

These claims are under option to Auckland Explorations Ltd., which has acquired the right to purchase a 100% interest (subject to 10% net profit royalty) from E.H. Helgren by agreement dated December 5, 1984 (subject to regulatory authority approval). The agreements regarding the options have been examined by the writer and appear in order.

The claims were inspected en June 28, 1983 and appear to have been staked in accordance with the laws of the Province of B.C. On June 29th, 1984 J.M. Mirko filed a statement of exploration and development with B.C. Ministry of Mines showing $25,691.00 of work having been done on the Al No. 6 mineral claim. This statement considered only that work performed in the spring of 1984.

History

The showings on the claims were first discovered by a trapper working in the upper Lendrum Creek water shed in the 1950's. Subsequently the showings were staked by Hans Hansen of Ainsworth, B.C.

Mr. Hansen and associates have worked the claims periodically for the last 30 years trying to determine the source of high grade Ag, Au, Pb, Zn float. From September 15th, 1983 to October 5th, 1983 Chopper Mines Ltd. examined the property and took an option on it. After spending approximately $11,000.00 the option was later dropped due to lack of financing.

A further large trenching program was caried out by J.M. Mirko from June 19, 1984 to June 29, 1984. Korren Mine Services was retained to do the work which resulted in 8 hand trenches being cut with a total of more than 267.6 cu.metres of overburden being removed. This work was successful in exposing vein matter in outcrop and exposing the source of 5 high grade float occurences. The vein-shear zone is now known to be over 130 m. long with mineralization in all vein showings.

Regional Geology

The claims are underlain by a porphyritic granodiorite phase of the Nelson batholith which is of post lower Jurassic and pre-upper Cretaceous age. For the most part the eastern areas of the batholith are porphyritic. The granodiorite is a coarse, grey rock

that generally contains numerous white to flesh-coloured phenocrysts of twinned alkali feldspar. The ground mass is mostly coarsely hypidiomorphic, and it consists essentially of potash feldspar, plagioclase (sometimes zoned) and quartz, with accessory hornblende and biotite.

Property Geology

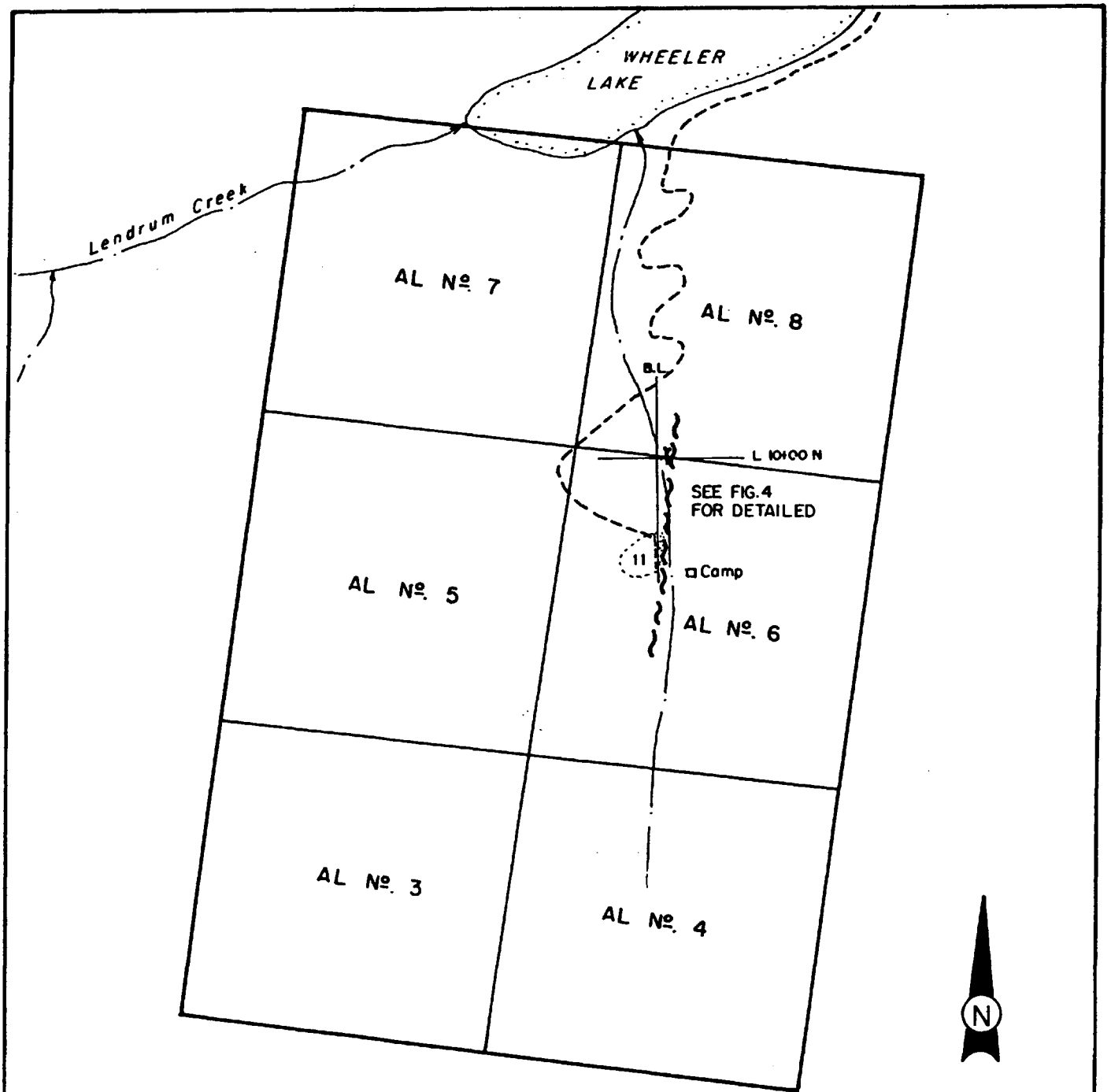
In the vicinity of the mineralization, outcrops of granodiorite are sparse due to about two metres of overburden. The porphyritic granodiorite mapped contains light grey feldspar phenocrysts that measure up to 4 cm in length and occur in a medium-to-coarse-grained matrix of quartz (15%) hornblende (10%) and feldspar (75%). The feldspar phenocrysts compose 20% of the rock and are randomly orientated. No lineation or foliation was observed. Similarily no structural features such as slickensides or jointing were noted. Alteration is restricted to the mineralized zones. The granite is broken by a major north-south bearing gash shear which is heavily mineralised by sulphides (Figure 3 and 4).

Mineralization

The mineralization exposed to date occurs in quartz rich veins occupying a N-S trending shear zone dipping at 15° to 30° to the east. The mineralized shear is now known to be at least 130 metres long and up to 4 metres wide. The difference in elevation between the uppermost mineralized trench and the lowest mineralized trench is 40 metres.

The quartz veins contain galena, sphalerite and pyrite. Grab samples were taken on June 28th, 1983 by the author and J.T. Neelands, F.G.A.C. The lack of fresh outcrop, poor exposure and the random occurences of mineralized float necessitated grab sampling. These samples are numbered Al-1 to Al-6 on the sample map.

On October 5th, 1983 the author took 6 more grab samples of float from new trenches which were not successful in exposing bedrock mineralization at that time. These samples are numbered from 7001 to 7006 on the sample map.



LEGEND

- 11 — Lower Cretaceous (?) – Nelson Plutonic Rocks
- Alteration Zone
- Fault Zone, Shear Zone
- Outcrop Boundary
- Adit
- Trail

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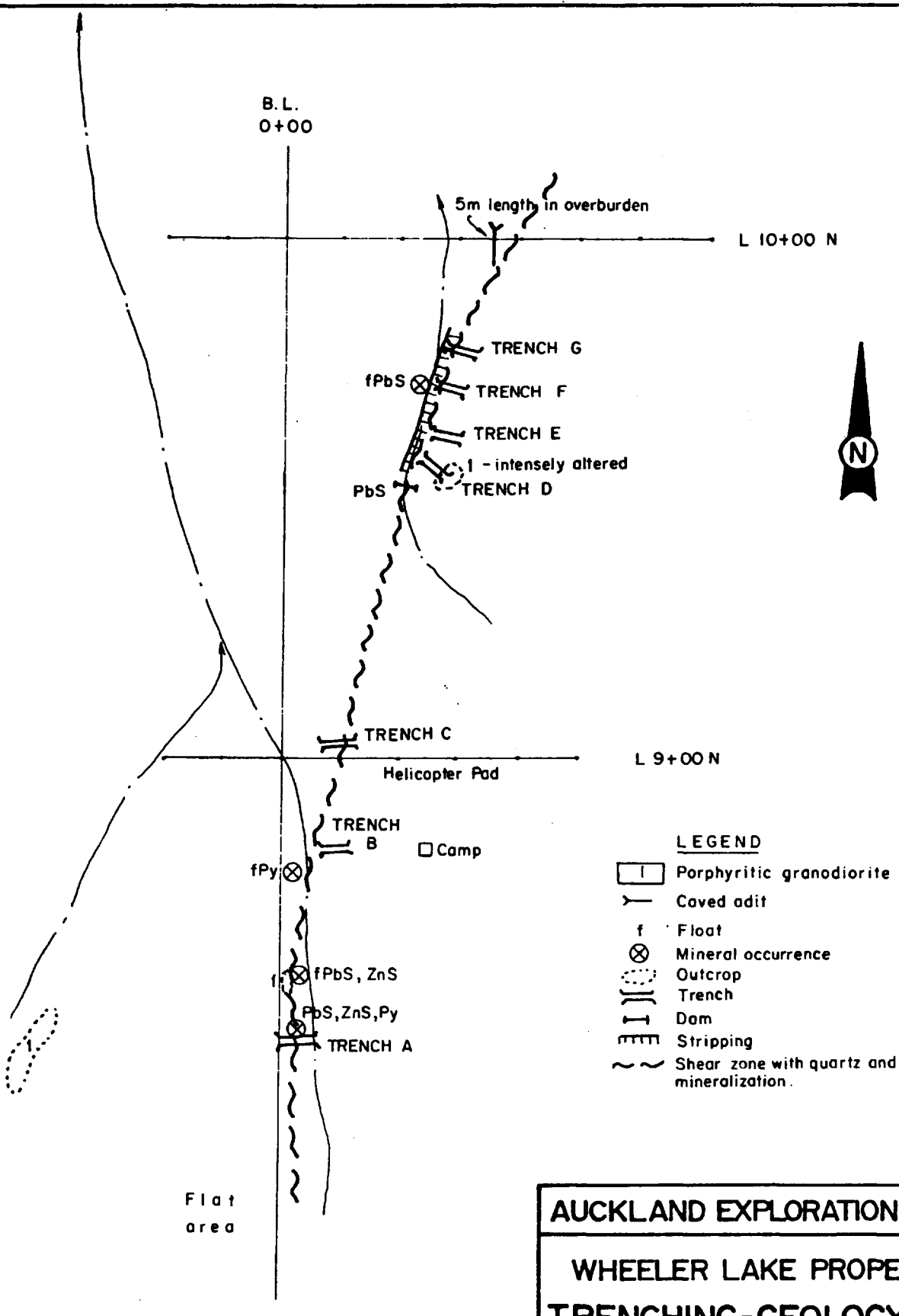
WHEELER LAKE PROPERTY

PROPERTY GEOLOGY MAP

SLOCAN M.D., B.C.

0 100 500 metres

SCALE: 1:10,000	N.T.S. 82F-14E
DATE: DEC. 1984	FIGURE Nº 3



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WHEELER LAKE PROPERTY

TRENCHING-GEOLOGY MAP

SLOCAN M.D., B.C.

0 10 50 metres

SCALE: 1:1000	N.T.S. 82F-14E
DATE: DEC. 1984	FIGURE Nº. 4

On June 29, 1984 after a successful trenching program to exposed bedrock, a more systematic sampling was performed.

These samples are numbered 7029 to 7051 on the sample map. All samples are described in the following tabulation.

June 28, 1983 Sampling

Sample No.	Location	Description
AL-1	8+6ON, 0+05E	Galena (40%) Sphalerite (10%) Pyrite (20%) Quartz (30%)
AL-2	8+66N, 0+05E	Galena (5%) in silicified granodiorite
AL-3	8+15N, 0+05E	Pyrite (10%) in silicified granodiorite
AL-4	9+60N, 0+25W	Pyrite (10%) Galena (3%) in silicified granodiorite. From Pit A.
AL-5	9+75N, 0+27W	Galena (60%) Pyrite (30%) Quartz (10%) From Pit C.
AL-6	9+80N, 0+30W	Galena (10%) Pyrite (5%) Quartz (15%) From Pit D.

SAMPLE RESULTS

	Pb%	Zn%	Ag oz/ton	Au oz/ton
AL 1	16.10	4.98	5.70	.014
AL 2	1.77	.18	5.98	.002
AL 3	.15	.06	.19	.012
AL 4	.62	1.42	1.12	.016
AL 5	46.80	6.85	14.25	.037
Al 6	27.20	6.50	8.35	.905

October 5, 1983 Sampling

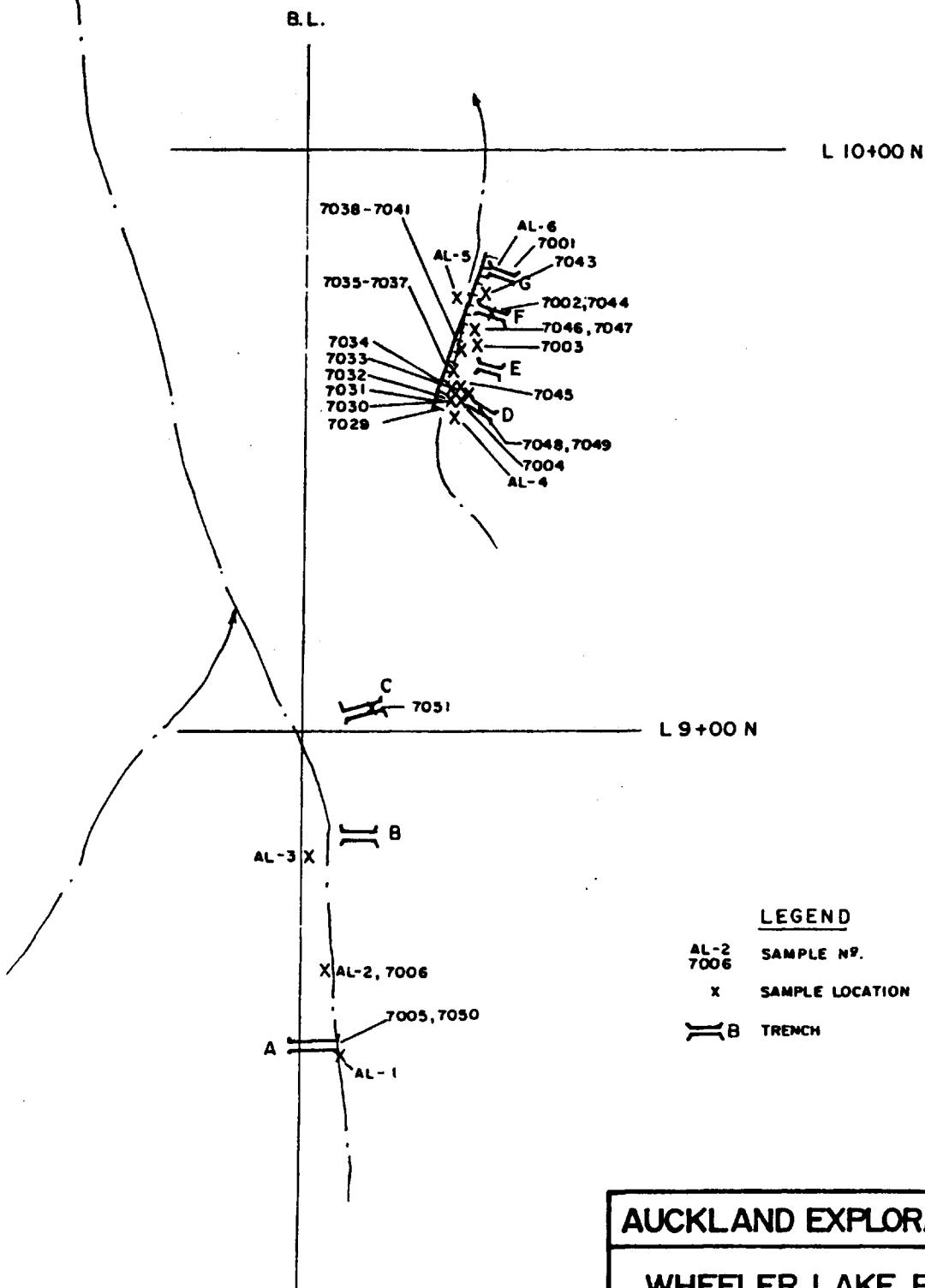
Sample No.	Location	Description
7001	Trench G	Quartz (30%), Zinc (4%), Pyrite (10%) Lead (6%)
7002	Trench F	Quartz (40%) Pyrite (20%) Zinc (12%) Lead (2%)
7003	Between Trench E and F	Quartz (40%) Pyrite (40%)
7004	Bottom of Trench D	Quartz (40%) pyrite (30%) minor lead (0.5%)
7005	Bottom of Trench A	Quartz (15%) Lead (20%) Zinc (10%) Pyrite (20%)
7006	Between Trench A and B	Quartz (20%) Lead (6%) Zinc (20%) Pyrite (15%)

SAMPLE RESULTS

	Ag. oz/ton	Au. oz/ton
7001	4.94	0.022
7002	9.52	0.010
7003	0.35	0.010
7004	0.80	0.008
7005	12.92	0.058
7006	7.94	0.858

June 29, 1984 Sampling

Sample No	Location	Description (including sample width)
7029	4 ft.N. of dam in stripping	20" across quartz with 15% Py.
7030	6.5 ft. N. of dam in stripping	16" across blocky quartz, 40% Py.
7031	2.5 ft. W. of 7030	2.5 ft. wall rock, 25% quartz, 5% Py.
7032	4.0 ft. N. of 7031	6" Quartz, 80% Py.
7033	D Trench	2 ft. white-green quartz rich clay
7034	Junction D Trench and Stripping	2.5 ft. minor quartz, pyrite in gouge
7035	6.0 ft. N. of 7034	12" gouge zone with clay
7036	15.0 ft. N. of D Trench in stripping	2 ft. high sulphides, Pb, Zn, Py.
7037	F.W. of 7036	10" wall rock, some Py.
7038	8.0 ft. N. of 7036	6" massive sulphides, Pb, Zn, Py.
7039	6" above H.W. of 7038	12" massive sulphides, Pb, Zn, Py.
7040	1.5 ft. below F.W. of 7041	5" massive sulphides, Pb, Zn, Py.
7041	12.0 ft. N. of 7039	2.0 ft. massive sulphides, Pb, Zn, Py.
7042	Trench G	6" massive sulphides, Pb, Zn, Py.
7043	Trench G to F	5" massive sulphides, along vein
7044	Trench F	Grab along vein
7045	Trench E to D	Grab along vein, 4" massive sulphides
7046	Trench E to F	Grab along vein, 5" massive sulphides
7047	Trench E to F	Composite chip samples along vein, 5" wide



AUCKLAND EXPLORATIONS LTD.

WHEELER LAKE PROPERTY

SAMPLE LOCATION MAP

SLOCAN M.D., B.C.

0 10 50 metres

SCALE: 1:1000	N.T.S. 82F-14E
DATE: DEC. 1984	FIGURE Nº. 5

7048	Trench D	Grab, 5" 80% Pyrite in clay, gouge
7049	Trench D	Grab, 1" high galena in clay, gouge
7050	Trench A	10", 80% Quartz, Py, Pb, Zn
7051	Trench C	8", 80% quartz, Py, Pb, Zn.

Assay results from these samples are appended to this report.

Conclusions

The Wheeler Lake showings are in a major north northeasterly trending gash shear contained within granodioritic rocks of the Nelson Batholithic Complex. Mineralization consists of argentiferous and auriferous galena, sphalerite and pyrite in a quartz gangue in the shear zone. The mineralized zone is open on both extensions and has not been investigated to any significant depth.

The potential for the development of an economically viable body of base and precious metal mineralization on this property must be considered good and further surface work is immediately recommended. In time the depth potential of the showing will have to be determined; this will involve a second stage of diamond drilling work.

Recommendation

A first phase exploration programme is recommended to expand and test the zones of mineralization.

Phase I

1. Construction of 3 km truck road to showings.

2. Detailed geological and structural mapping of known fault-shear zones, dykes and veins.

3. Prospecting of the whole claim block.

4. Broad soil geochemical survey of the claims for Pb, Zn, Ag.

5. VLF and magnetometer survey in the vicinity of the showings.

6. Back-hoe trenching of the geochemical anomalies and areas on strike from the mineralization.

7. Chip-channel sampling of all new showings.

Estimated Costs of this Work Program are:

Salaries Geologist	14 days x 300.00 p/d	$ 4,200.
Prospector	14 days X 150.00 p/d	2,100.
Blaster, Assistant	14 days x 150.00 p/d	2,100.
Camp (supplies, equipment, food, etc.)		4,000.
Equipment (Rock drill, picks, shovels, hammers, topofil, flagging, drill steel, etc.)		3,000.
Back-hoe trenching		2,200.
Fuel, Explosives		1,900.
Road Construction		10,000.
Truck including gas and insurance		1,500.
Helicopter, say 2 hours @ $500/hour		1,000.
Assays (bags, shipping, etc.)		2,000.
Engineering, reports, consulting, etc.		3,000.
Administration, Phone, etc.		900.
	Total	$ 35,900
	Contingencies @ 10%	3,590.
	Grand Total	$39,490.
	Say:	$40,000.

A further work program consisting primarily of diamond drilling will be contingent upon results of Phase I and should be initiated on the recommendations of a consulting geological engineer.

Respectfully Submitted

D. P. Taylor, P.Eng.

Vancouver, B.C.
December 15, 1984

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CERTIFICATE

I, DAVID P. TAYLOR, maintaining offices at Suite 480, 625 Howe Street, Vancouver, British Columbia, do hereby certify that:

1. I am a consulting geologist, conducting business from the above address.

2. I have practiced as an exploration geologist for the past sixteen years.

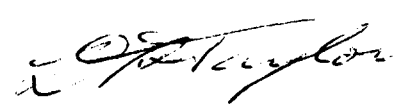
3. I am a graduate, (M.Sc.) of the Royal School of Mines, University of London, England, 1971.

4. I am a member, in good standing, of the Association of Professional Engineers of British Columbia.

5. I have no interest, either direct or indirect, nor do I expect to receive any interest, in the property subject of this report, nor in the securities of Auckland Explorations Ltd.

6. I consent to the use of this report in any Statements of Material Facts by Auckland Exploration Ltd.

DATED at Vancouver, British Columbia, this 15th day of December, 1984.



David P. Taylor, P.Eng.
Consulting Geologist

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705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Manwa Explorations,
370-625 Howe St.,
Vancouver, B.C.

PROJECT No. Chopper Resources
DATE: June 30/83.
File No. 3-451

SAMPLE No.	Pb %	Zn %	Ag oz/ton	Au oz/ton		
AL 1	16.10	4.98	5.70	.014		
2	1.77	.18	5.98	.002		
3	.15	.06	.19	.012		
4	.62	1.42	1.12	.016		
5	46.80	6.85	14.25	.037		
AL 6	27.20	6.50	8.35	.905		

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CANADA V7J 2C1

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TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TC : CHOPPER MINES

206-744 W.HASTINGS
VANCOUVER,B.C.
V6C 1A5

** CERT. # : A8312653-001-A
INVOICE # : I8312653
DATE : 25-JUL-83
P.O. # : NONE

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
7001	207	4.94	0.022	--	--	--	--
7002	207	9.52	0.010	--	--	--	--
7003	207	0.35	0.010	--	--	--	--
7004	207	0.80	0.008	--	--	--	--
7005	207	12.92	0.058	--	--	--	--
7006	207	7.94	0.858	--	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

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MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

(604)980-5814 OR (604)988-4524 TELEX: 04-352628

CERTIFICATE OF ASSAY

COMPANY: JOHN MIRKO
PROJECT:
ATTENTION: JOHN MIRKO

FILE: 4-499
DATE: JULY 9/84
TYPE: ROCK ASSAY

We hereby certify that the following are assay resu*certify* that the foltted.

SAMPLE NUMBER		AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	PB %	ZN %
7029	20"	0.2	0.01	.08	0.002	.06	.02
7030	16"	2.5	0.07	.12	0.003	.06	.02
7031	2.5'	0.1	0.01	.01	0.001	.04	.01
7032	6"	10.0	0.29	.40	0.012	.10	.03
7033	2'	4.1	0.12	.02	0.001	.25	.32
7034	2.5'	10.1	0.29	.14	0.004	.38	.34
7035	12"	2.1	0.06	.08	0.002	.19	.18
7036	2'	34.0	0.99	1.24	0.036	4.60	3.22
7037	10"	0.1	0.01	.02	0.001	.04	.04
7038	6"	198.0	5.77	15.00	0.437	16.80	10.20
7039	12"	107.0	3.12	11.10	0.324	9.00	5.41
7040	5"	50.2	1.46	3.08	0.090	2.76	3.62
7041	2.0'	72.0	2.10	6.12	0.178	1.85	6.49
7042	6"	452.0	13.18	35.50	1.035	21.30	1.52
7043	5"	240.0	7.00	1.92	0.056	26.40	8.02
7044	grab	226.0	6.59	47.10	1.374	9.02	14.45
7045	grab	173.0	5.05	10.65	0.311	19.50	6.55
7046	grab	122.0	3.56	1.22	0.036	14.80	5.40
7047	composite	187.0	5.45	18.60	0.542	17.00	4.70
7048	grab	29.0	0.85	.28	0.008	2.70	.06
7049	grab	19.8	0.58	4.45	0.130	1.74	.34
7050	10"	131.0	3.82	.74	0.022	9.60	4.94
7051	8"	30.2	0.88	1.42	0.041	3.49	1.07

Certified by

MIN-EN LABORATORIES LTD.