2593

FAWN BAY DEVELOPMENT CO. LTD.

RAM GROUP

104-P-3, LIARD M.D., B.C.

59° 14' N. Lat., 129° 24½' W. Long.

EXPLORATION PROGRESS REPORT

on

WORK CONDUCTED BETWEEN

June 25th and Oct. 11, 1969.

by

I. BOROVIC

P.H. SEVENSMA CONSULTANTS LTD.

and

P.H. SEVENSMA, Ph.D., P. Eng.

P.H. SEVENSMA CONSULTANTS LTD.

November 19, 1969.

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FAWN BAY DEVELOPMENT CO. LTD.

RAM GROUP

104-P-3, LIARD M.D., B.C.

1. INTRODUCTION

A program of exploratory work was undertaken to investigate a tetrahedrite occurrence on Mt. Pendleton near Cassiar, B.C. All work was under the direction of P.H. Sevensma, Ph.D., P. Eng. with field assistants G. Norgard, student and I. Borovic, geologist, providing technical supervision of the work program and compiling geological and geochemical data from surveys of the property. Geologic mapping, soil sampling, road construction and limited bulldozer trenching were employed to evaluate the mineral occurrence and to establish targets which might warrant drilling. Five exploratory holes were completed prior to October 11, 1969 when the work was suspended.

2. PROPERTY

The property consists of the following 52 claims:

Sol 1 - 20	Nos. 920581 to 920600
Sol 21 & 22	Nos. 920565 and 920566
Cold 1 - 14	Nos. 920527 to 920540
Ram 1 - 4	Nos. 920501 to 920504
Late 5 - 16	Nos. 920515 to 920526

The main showing is located at an elevation of about 4,600' on the Northwest slope of Mt. Pendleton, some 1,500' above the McDame Creek valley.

Access is by a 2 - 3 mile truck-road from Centreville on the Cassiar Highway near mile 68, about 20 road miles East of Cassiar.

To the East, Mt. Pendleton rises to an elevation of 7,101' characterizing the strong local relief of the Cassiar Mountain belt.

Timber is plentiful on the lower part of the claim group and water is available during most of the season in the small creek below the showings.

3. GEOLOGY

All outcrops within the claim area were mapped on a scale of 1" = 400' and plotted on a topographic base map prepared from existing photography.

The area is underlain by metamorphosed Palaeozoic sediments and volcanics of the Sylvester group. Regional geology by the G.S.C. published as map 1110A "McDame" has provided a basis for subsequent work.

Quartz veins, frequently in zones of intense fracturing, have been observed to carry sparse to heavy disseminations of tetrahedrite from which high silver values have been obtained.

The showing occurs in sediments interbedded with volcanic flows near or at the base of the Sylvester formation of Devono-Mississipian age.

Folding observed indicates a regional anticlinal structure which plunges to the Southeast. Mean bedding attitude observed is $108^{\circ}/60^{\circ}$ SW and may vary up to 5° in strike and 20° on dip from this

mean. Folding has produced small structures which reveal a plunge to the SE which varies from 25° to 38°. Faulting along the creek below the showing has occurred and a good slickenslide surface has been developed. The attitude of this surface is 146°/78° SW.

4. MINERALIZATION

The showings consist of quartz veins carrying tetrahedrite and more or less interbedded with the wallrock of argillites, schists and tuffs. The main showing is a rather crumbly zone with much loose rock.

The quartz carries in places fragments of schists and tuffs and in some parts is laced with small veinlets of tetrahedrite. In some places quartz contains disseminations and patches of the same mineral.

Malachite and azurite appear to be the result of the weathering of tetrahedrite.

Sample results, as assayed by Coast Eldridge and reported on Assay Certificate 1706 (September 18, 1968) are as follows:-

1091 - character sample, 46.3 ^{oz}Ag./T., 5.38 % Cu.

1092 - character sample, 5.0 ^{oz} Ag./T., 0.5% Cu.

The average grade of the mineralized material in the main showing was estimated and may be summarized by stating that it is expected to lie between 1% Cu + 9 ^{oz}/t. Ag. and 1.7% Cu. + 15 ^{oz}/t. Ag.

In addition to the main showing two new showings were sampled and assayed by Crest Laboratories. Results are as follows:-

Showing R (character sample) - 0.29 % Cu., 14.7 ^{oz} Ag./T.,
Ref. Lab #62, July 31, 1969.

Showing S (character sample) - 1.26% Cu., 18.9 ^{oz} Ag./T.,
Ref. Lab #76, August 6, 1969.

On the basis of the foregoing results it was determined that significant amounts of silver might be present in a system of quartz veins carrying minor sulphide values.

A program of geological mapping and soil sampling was pursued with the objective of delineating the area of greatest interest.

5. GEOCHEMICAL SURVEY

As the topography and drainage pattern is characterized by steep slopes and long narrow valleys scantly covered by primarily residual soil, a reconnaissance soil survey was conducted along contour lines.

Traverses at 3,750, 4,500, 4,750, 5,000, 5,250 and 5,750 elevations were run and sample sites were located at approximately 200 foot spacing.

A detailed grid was established on the inferred strike of the main showing and samples were taken at 100 foot intervals along grid lines 200' apart.

A. Prodecure

Samples were taken from shallow holes made with a mattock. The holes varied from 1" in diameter and 8" deep to 2' in diameter and 1.5' deep. Mineral soil free of organic matter was selected and placed in kraft bags without further preparation.

All samples were analyzed for Cu., Ag., and Zn. and some for Pb. by Crest Laboratories of Vancouver, B.C., using the following method:

1. Weight of sample analyzed: 1.00 gr.
2. Mesh size: 80
3. Digestion Method: hot $HCLO_4$ - HNO_3, reflux.
4. Analysis: Atomic Absorption.

B. Results

1. Copper

The background is about 10 - 40 p.p.m., threshold about 40 - 100 p.p.m. Results have been contoured at 100 p.p.m. and 200 p.p.m.

The most significant values occur on line 0+00 400' - 500' S. and lines 4+00 E. and 6+00 E. around 400' N. Values above 200 p.p.m. are believed to be significant in this area.

2. Zinc

The zinc background is about 40 - 100 p.p.m. Values above 150 p.p.m. are considered anomalous.

3. Silver

The background is about 0.5 - 1.5 p.p.m., threshold 2 - 3 p.p.m. Anomalous values are over 3 p.p.m.

4. Lead

Only a few samples were assayed for lead, as this metal was not thought to be significant.

C. Summary

High grade tetrahedrite in quartz is not expected to produce large or intense alteration halos, and geochemical results were

better than anticipated. The coincidence of Cu. over 100 p.p.m., Ag. over 3 p.p.m. and Zn. over 150 p.p.m. is judged significantly anomalous.

6. CORE-HOLE DRILLING

Two drilling targets were chosen and five holes were drilled for a total of 790'.

Tabular Summary of Drilling Results:

D.D. Hole	Length	Qtz. vein Intersection	Width	True Width	Rec.	% Rec.	Location
F #1	226'	28' - 63'	35'	20'-25'	3.5'	10%	Main "P.H.S. 1" showing.
F #2	183'	37' - 57'	20'	16'-18'	1'	5%	" " "
F #3	98'	70' - 78'	8'	5'	4'	50%	"R" showing.
F #4	145'	-	-	-	-	-	" "
F #5	138'	87' - 119'	32'	20'	2'	6.25%	" "

Holes F #1 and F #2 were drilled on the main showing known as "P.H.S. 1". They both intersected the quartz vein: F #1 from 28' - 63' and F #2 from 37' - 57'. The wallrock is grey to black argillite and massive greenish grey tuff.

Holes F #3, F #4 and F #5 were drilled on the lower showing known as "R". F #3 and F #5 intersected mineralized quartz vein, F #3 from 70' - 78' and F #5 from 87' - 119'.

Wallrocks are argillites and graphitic schists.

Recovery was extremely poor in all holes.

Samples from the D.D. Holes F #1, F #3 and F #5 were sent to Crest Laboratories (B.C.) Ltd. and assay results are given in the attached logs.

No commercially significant values were obtained.

7. SUMMARY

The soil survey has revealed a pattern of heavy metal distribution suggestive of several scattered sources, possibly of the vein fault type. The geochemical anomalies are not explained by the known showings and further prospecting aided by bulldozer stripping may be warranted in these areas.

Drilling failed to provide evidence of any appreciable mineral concentration at depth which, despite the very poor core recovery, might be expected from the nature of surface showings. Results are not however, conclusive and further study is warranted.

Respectfully submitted,

for I. Borovic,
P.H. SEVENSMA CONSULTANTS LTD.

November 19, 1969.

RECOMMENDATIONS

The Ram Group showing has been located originally in 1899 by B. O'Neil as the Apple Jack, and is reported upon in the B.C.M. of Mines Report for the year 1900, pages 783 and 785, when 16 samples taken in the working tunnel showed values in silver of from 5.8 oz/t to 168 oz/t silver and of from 0.28% to 33.02% Cu. No widths are given for these assays. The tunnel is no longer in existence.

Two new showings have been located in this summer's work, respectively 200' NW and 1200' SE of the original discovery.

The geochemical reconnaissance has revealed several anomalous areas, the most interesting one of which lies about 3000' south of the original showing, where an 1800' x 600' silver anomaly with the highest values in the area (5.5 and 6.9 p.p.m. Ag) is near-coincident with a zinc anomaly and lies adjacent to an area up to 3000' "long" and up to 2000' "wide" with copper in the 100 - 332 p.p.m. range. These anomalies are better than the ones that appear related to the known showing areas.

The minor drilling done is inconclusive due to the very poor core recovery.

The geochemical results and the occurrence of several showings suggest that the original discovery is more than a mineralogical curiosity.

Before any further drilling is contemplated on this property, a program of stripping of the "5" showing area, of the detailed grid area North of the showings and especially of the anomalous area 3000' South of the main showing area is recommend.

In conjunction with this work, plane-table geological mapping will be required at a scale of 1" = 50'. Further drilling may then be undertaken.

An approximate cost estimate of this work is as follows:

Bulldozer work: 200 hours @ $35	$7,000
Camp construction	2,000
Geological mapping, 2 man-months	3,000
Camp operation, 150 man days @ $10	1,500
Mobilization, transportation, etc.	3,500
Engineering and supervision, 15%	2,500
Administration, 10%	2,000
Contingencies, 15%	3,000
	$24.500

If results warrant, a second stage of drilling would require a minimum of 2000' of drilling, estimated to cost in the vicinity of $40,000.

Respectfully submitted,

P.H. Sevensma, Ph.D., P.Eng.
P.H. SEVENSMA CONSULTANTS LTD.

November 21, 1969.

ASSAY — LOG

P. H. Sevensma Consultants Ltd.
715 — 850 West Hastings St., Vancouver 1,B.C.

COMPANY Fawn Bay Development Ltd.,
1111 - 409 Granville Street,
Vancouver, B.C.

Property : Ram Group

Brg. N 20 E

Sample no.	From	To	Length	Rec.%	Rock type	oz/t. Au.	oz/t. Ag.	% Cu.			
1	28'	30'	2'	(4") 17%	Qtz. chips & sludge.	0.01	0.3	0.04			
2	30'	35'	5'	(7")	" " "	tr.	0.5	0.02			
3	35'	42'	7'		" " "	0.01	0.3	0.01			
4	42'	47'	5'		" " "	0.01	0.1	0.01			
5	47'	52'	5'	(18")	" " "	tr.	tr.	0.01			
6	52'	55'	3'		" " "	tr.	tr.	0.01			
7	55'	59.5'	4.5'		" " "	tr.	tr.	tr.			
8	59.5'	63'	3.5'	(16")	" " "	tr.	tr.	tr.			
9	124.5'	129'	4.5'		Py. in qtz. & tuff.	tr.	0.1	tr.			
End of hole at 226'											

D. H. Sevensma

ASSAY REPORT : Crest Laboratories (B.C.) Ltd., Lab. No. 264

DATE : September 29, 1969

HOLE No. F # 1

ASSAY — LOG

P. H. Sevensma Consultants Ltd.
715 — 850 West Hastings St., Vancouver 1,B.C.

COMPANY Fawn Bay Development Ltd.,
1111 - 409 Granville Street,
Vancouver, B.C.

Property : Ram Group

Brg. S 65 W

Sample no.	From	To	Length	Rec.%	Rock type	oz/t. Au.	oz/t. Ag.	% Cu.
143	73'	78'	5'	≥ 50%	Vein qtz.	tr.	2.7	0.10
End of hole at 98'								

ASSAY REPORT : Crest Laboratories (B.C.) Ltd., Lab. No. 316

DATE : October 14, 1969

HOLE No. F #3

Diamond Drill Geological Log

P.H. SEVENSMA CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY: Fawn Bay Development Ltd
1111 - 409 Granville Street,
Vancouver, B.C.

Objective:

Logged by: P.H. Sevensma & I. Borovic Date: Sept. 21, 1969.

Drilling Started: Sept. 17, 1969 Drilling Completed: Sept. 21, 1969

Samples Submitted to: (Lab.)-Date:

Lat.:	Long.:	Place:	App.Bear.:	App.Dip.:	Length:
			N 20 E	-55°	226'

From	To	Length	Recov.	Remarks:	Lithology	Sampling
0'	12'	12'	0	No core.		
12'	28'	16'	8'	(Broken core) Black rusty argillite, 1¼" to 1" chips.		
28'	30'	2'	4"	Broken chips including some quartz chips.		
30'	42'	12'	7"	(Broken quartz chips) Quartz argillite chips. Other material sludge - black to grey sand.		
42'	59.5	17.5	18"	18" of quartz chips (inclusions of slate, black in places).		
59.5'	63'	3.5	16"	Quartz with minor black argillite inclusions.		
63'	75'	12'	28"	Mainly massive volcanic tuff, some 8" of white quartz.		
				65' - 66.5' sludge (black to grey sand).		
				71' - 72.5' sludge (black to grey sand).		
75'	83'	8'	8'	Black to grey thin bedded to well laminated argillite. Dip 70° to 80° to core. Some 2% - 3% of pyrite.		
83'	91'	8'	8'	Massive greenish grey volcanic rock (possible tuff). Some 2% - 3% pyrite.		
91'	96'	5'	5'	Grey to black irreg. laminated argillite. Bedding 60° against core axis.		
96'	107'	11'	11'	Greenish grey massive volcanic rock (possible tuff). Some indistinct bending.		
107'	116'	9'	9'	Grey massive rock, probably tuff + pyrite, 4% - 5%. Numerous 1/16" to 1/2" quartz veins at 45° - 60°		
				to core. (Pyrite 4% - 5%) Very fine pyrite.		
116'	118'	2'	2'	Clayish - obliterated rock, probably obl. volcanic rock.		
118'	120'	2'	2'	Black, massive argillite.		
120'	121'	1'	1'	Start of quartz veins with black argillite inclusions.		
121'	132.5	10.5	10.5'	Grey, massive volcanic rock with very irregular quartz veinlets. Width from 1/8" to 1/16".		
				Split 124.5' to 129'. Rock in quartz carry at least 10% pyrite.		
132.5'	146'	13.5	12'	Massive, grey volcanic rock (tuff), occasional narrow quartz veins,		
				45° against core axis.		
146'	147'	1'	1'	Quartz vein with greenish grey inclusions of volcanic rock (tuff).		
				Pyrite — more than 10%.		

Property: Ram Group

Hole No.: F #1

Core Size: B.Q.

P.H. Sevensma

Diamond Drill Geological Log

P.H. SEVENSMA CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY: Fawn Bay Development Ltd.
1111 - 409 Granville Street,
Vancouver, B.C.

Objective:

Logged by: P.H. Sevensma & I. Borovic Date: Sept. 21, 1969.

Drilling Started: Sept. 17, 1969. Drilling Completed: Sept. 21, 1969.

Samples Submitted to: (Lab.)-Date:

Lat.:	Long.:	Place:	App.Bear.:	App.Dip.: -55°	Length: 226'

From	To	Length	Recov.	Remarks:
147'	149.5'	2.5'	2.5'	Greenish grey, massive volcanic rock (possible tuff), some indistinct bedding. More than 10% pyrite - disseminated.
149.5'	164'	14.5'	14'	Greenish grey, massive volcanic rock; fractured. Quartz veinlets 45° at core.
164'	166'	2'	1.5'	Grey volcanic rock (tuff). Quartz veins 45° to core - thickness from 1/16" to 1".
166'	175'	9'	8'	Dark grey to black argillite. Very indistinctive schistosity. 0° to core. Quartz veins 0° to core. Pyrite to 10%.
175'	177'	2'	1.5'	Quartz veins with greenish grey inclusions of tuffs. Minor pyrite.
177'	179'	2'	2'	Grey argillite with quartz veins, 0° to core.- brecciated.
179'	187'	8'	8'	Dark grey argillite. Schistosity - bedding 45° to core.
187'	189'	2'	1.7'	Black graphitic schists. Quartz veinlets 25° to core. Some pyrite (to 2%).
189'	193'	4'	4'	Grey argillite. Bedding 90° to core.
193'	195'	2'	2'	Graphitic schists. Pyrite to 5%.
195'	226'	31'	31'	Dark grey to black argillite. Bedding 70° to core. Minor pyrite.
	226'			End of hole.

P.H. Sevensma

Property: Ram Group

Hole No.: F #1

Core Size: B.Q.

Lithology | Sampling

Diamond Drill Geological Log

P.H. SEVERSMA CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY: Fawn Bay Development Co.,
1111 - 409 Granville Street,
Vancouver, B.C.

Objective:

Drilling Started: Sept. 21, 1969. Drilling Completed: Sept. 24, 1969.

Logged by: I. Borovic Date: Sept. 27, 1969.

Samples Submitted to: (Lab.)-Date:

Lat.:	Long.:	Place:	App.Bear.:	App.Dip.:	Length:
			N 20 E	-70°	183'

From	To	Length	Recov.	Remarks:
0'	10'	0'	0'	Casing.
10'	37'	27'	7'	Dark grey, argillite. Bedding 90° to core. Sludge was taken. Same as in hole no. 1.
37'	57'	20'	1'	Badly broken quartz - sludge.
57'	97'	40'	12'	Black argillite. Bedding 40° to core.
				73' - 80' = sludge.
87'	118'	21'	21'	Grey, greenish, massive volcanic tuff. Pyrite more than 4%. Small quartz veins.
118'	120'	2'	2'	Quartz vein. Quartz intercalated with argillites and tuffs. Pyrite content more than 10%.
				Bedding 45° to core.
120'	123'	3'	3'	Grey volcanic tuff. Slightly chloritized.
123'	129'	6'	6'	Black tuff.
129'	130'	1'	1'	Quartz vein, 25° to core. Massive white quartz - Pyrite more than 5%.
130'	172'	42'	42'	Grey, massive greenish tuff (some 10% - 15% pyrite). Quartz vein 167' - 169.5'. Quartz intercalated
				with chloritized tuffs.
172'	183'	11'	11'	Black to grey thin bedded to well laminated argillite. Bedding 45° to core.
	183'			End of hole.

Property: Ram Group
Hole No.: F #2
Core Size: B.Q.

Lithology | Sampling

Diamond Drill Geological Log

P.H. SEVENS & CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY: Fawn Bay Development Ltd.
1111 - 409 Granville Street,
Vancouver, B.C.

Objective:

Drilling Started: Sept. 27, 1969. Drilling Completed: Sept. 30, 1969.

Logged by: I. Borovic Date: Sept. 29 & 30, 1969.

Samples Submitted to: (Lab.)-Date:

Lat.:	Long.:	Place:	App.Bear.:	App.Dip.:	Length:
			S 65 W	-55°	98'

From	To	Length	Recov.	Remarks:
0'	4'	0	0	Casing.
4'	67'	63'	27'	Grey- dark grey argillite, intercalated with narrow quartz veins. Quartz veins 30° to 40° to core.
				Core badly fractured and recovery is very poor.
67'	70'	3'	2'	Grey thin bedded argillite. Some 2% - 3% pyrite occurs in argillite and in small quartz veins.
70'	78'	8'	4'	Quartz vein. Quartz interbedded with black shales. Bedding 20° to core. Tetrahedrite occurs from
				73' - 78'.
78'	85'	7'	7'	Grey, massive volcanic rock. Probably tuff.
85'	87'	0'	0	Sludge - sand, dark grey - same as in holes F#1 and F#2.
87'	89'	2'	1'	Dark grey brecciated argillite - probably fault zone.
89'	98'	0'	0'	Sand - sludge.
	98'			End of hole.

Property: Ram Group

Hole No.: F #3

Core Size: B.Q.

Lithology | Sampling

ASSAY — LOG

P. H. Sevensma Consultants Ltd.
715 — 850 West Hastings St., Vancouver 1,B.C.

COMPANY Fawn Bay Development Ltd.,
1111 - 409 Granville Street,
Vancouver, B.C.

Property : Ram Group
Brg. S 30 W

Sample no.	From	To	Length	Rec.%	Rock type	oz/t. Au.	oz/t. Ag.	% Cu.
7251 B	87'	89'	2'		Qtz. chip	tr.	0.3	0.04
7252 B	89'	94'	5'	< 10%	Qtz. chip	tr.	0.1	0.06
7253 B	94'	104'	10'		Qtz. chip	tr.	0.2	0.04
7254 B	Grab samples from upper showing.					tr.	2.2	0.44
End of hole at 138'								

Note:
7254 B - Representative sample of 25' wide crushed zone at the drill-collar of hole F #1.

P. H. Sevensma

ASSAY REPORT : Coast Eldridge, File # 460-A-9068 DATE : October 21, 1969. HOLE No. F#5 Page 1 of 1

Diamond Drill Geological Log

P.H. SEVENSMA CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY: Fawn Bay Development L
1111 - 409 Granville Street,
Vancouver, B.C.

Objective:

Drilling Started: Oct. 1, 1969. Drilling Completed: Oct. 3, 1969.

Logged by: I. Borovic Date: Oct. 3 & 4, 1969.

Samples Submitted to: (Lab.)-Date:

Lat.:	Long.:	Place:	App.Bear.:	App.Dip.:	Length:
			S	-55°	145'

From	To	Length	Recov.	Remarks:
0'	20'	20'	0'	Casing.
20'	35'	15'	4'	Badly broken core. Dark grey argillite.
35'	94'	59'	50'	Graphitic schists. Thin bedded, grey to black rock. Fractures filled with pyrite. Bedding 20° - 30° to core.
94'	122'	28'	12'	Grey argillites. Gash veins. Pyrite to 10%. Badly broken core.
122'	145'	23'	1'	Sand, calcite - fault zone? Some pyrite in calcite veins.
	145'			End of hole.

Property: Ram Group
Hole No.: F #4
Core Size: B.Q.

Lithology | Sampling

Diamond Drill Geological Log

P.H. SEVEN CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY: Fawn Bay Development Ltd
1111 - 409 Granville Str
Vancouver, B.C.

Objective:

Drilling Started: Oct. 4, 1969. Drilling Completed: Oct. 7, 1969.

Logged by: Date:

Samples Submitted to: (Lab.)-Date:

Lat.:	Long.:	Place:	App.Bear.:	App.Dip.:	Length:
			S 30 W	-55°	138'

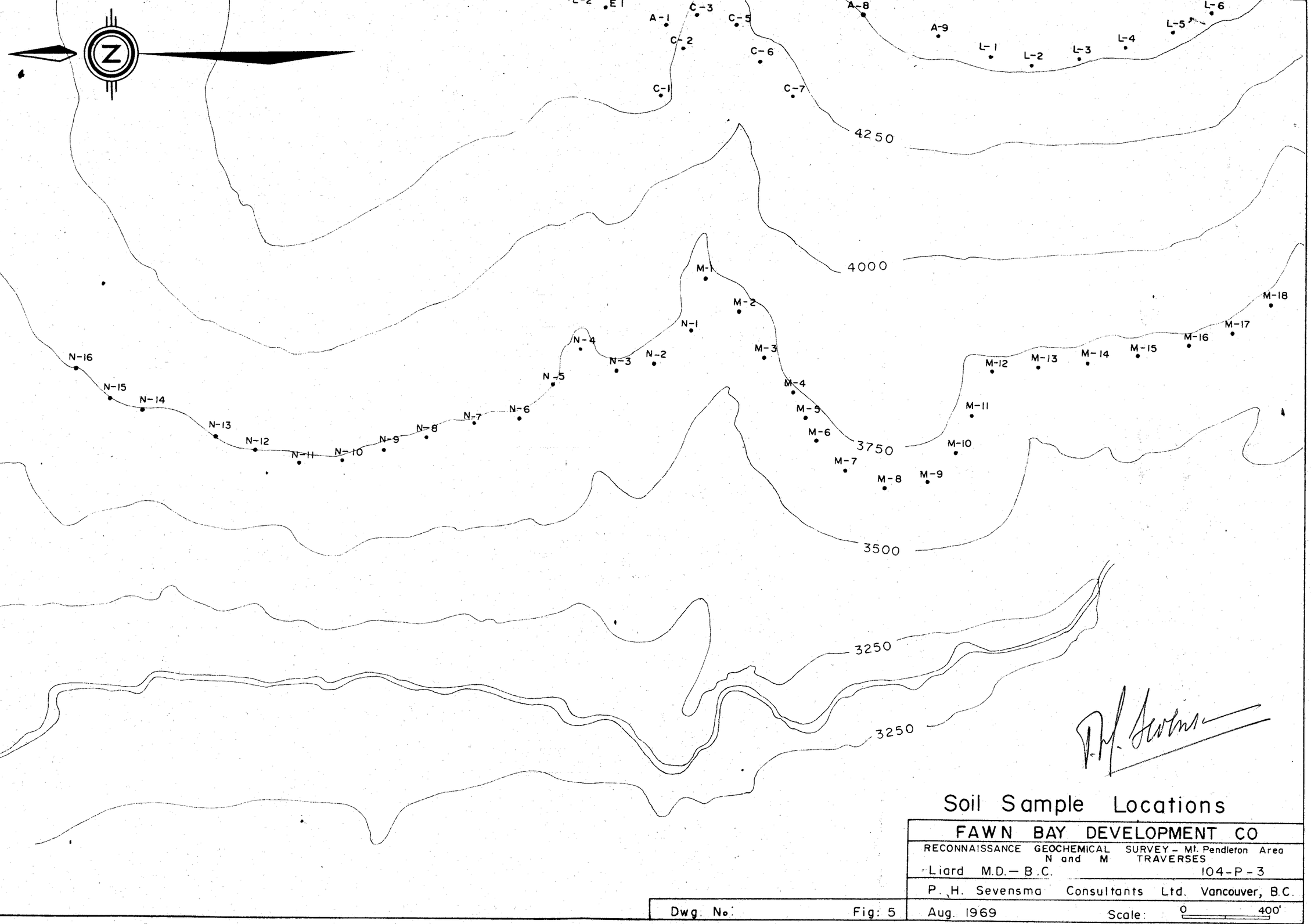
From	To	Length	Recov.	Remarks:
0'	20'	20'	0	Casing.
20'	39'	19'	10'	Grey, thin bedded argillite. Bedding 50° to core.
39'	68'	29'	12'	Black thin bedded, fractured graphitic schists. Pyrite to 5%.
68'	83'	15'	12'	Grey, thin bedded argillite. Pyrite to 5%. Narrow quartz veins.
83'	87'	4'	2'	Rusty graphitic schists and quartz gash veins. Pyrite.
87'	119'	32'	2'	Quartz vein (probably). Only small pieces of quartz recovered from the vein. In some of them tetrahedrite occurs.
119'	125'	6'	4'	Grey argillite. Badly broken core. Pyrite occurs occasionaly.
125'	138'	13'	10'	Grey, thin bedded argillite. Pyrite occurs to 1%.
	138'			End of hole.

Property: Ram Group

Hole No.: F #5

Core Size: B.Q.

Lithology	Sampling

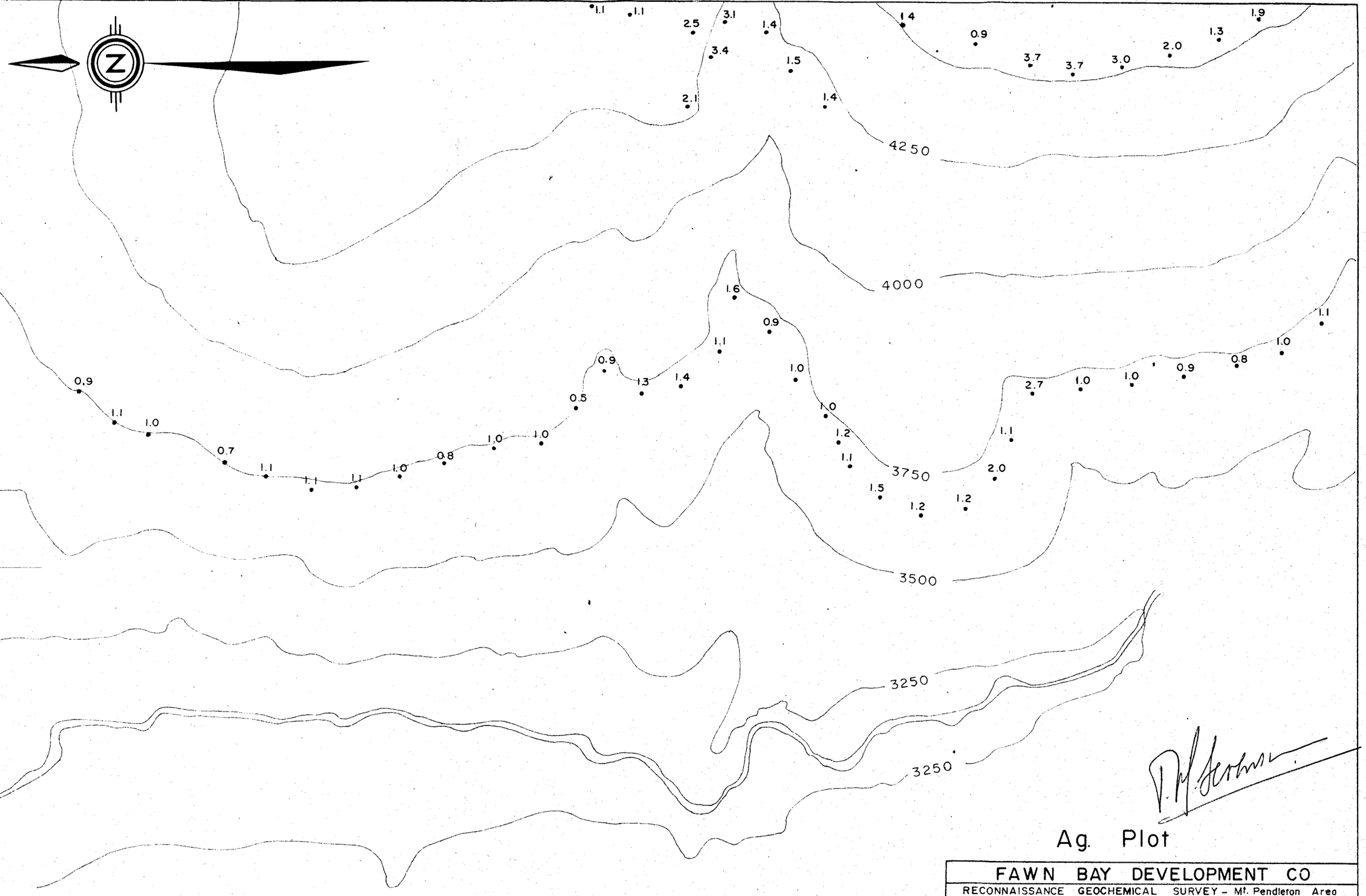


Soil Sample Locations

FAWN BAY DEVELOPMENT CO	
RECONNAISSANCE GEOCHEMICAL SURVEY – Mt. Pendleton Area N and M TRAVERSES	
Liard M.D. – B.C.	104-P-3
P. H. Sevensma Consultants Ltd. Vancouver, B.C.	
Dwg. No: Fig: 5	Aug. 1969 Scale: 0 400'

BCIL 2604 P.H.S.

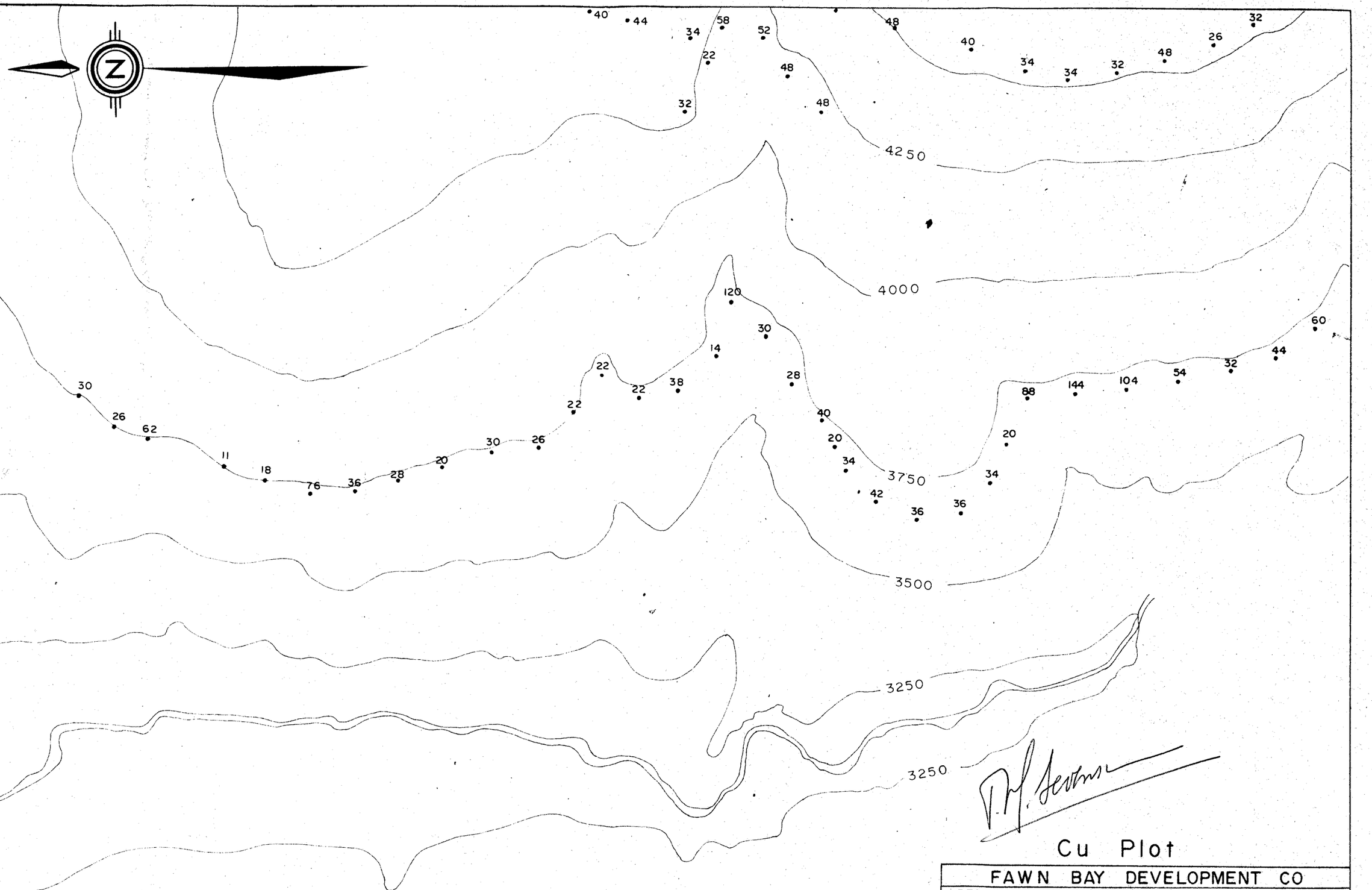
6



Ag. Plot

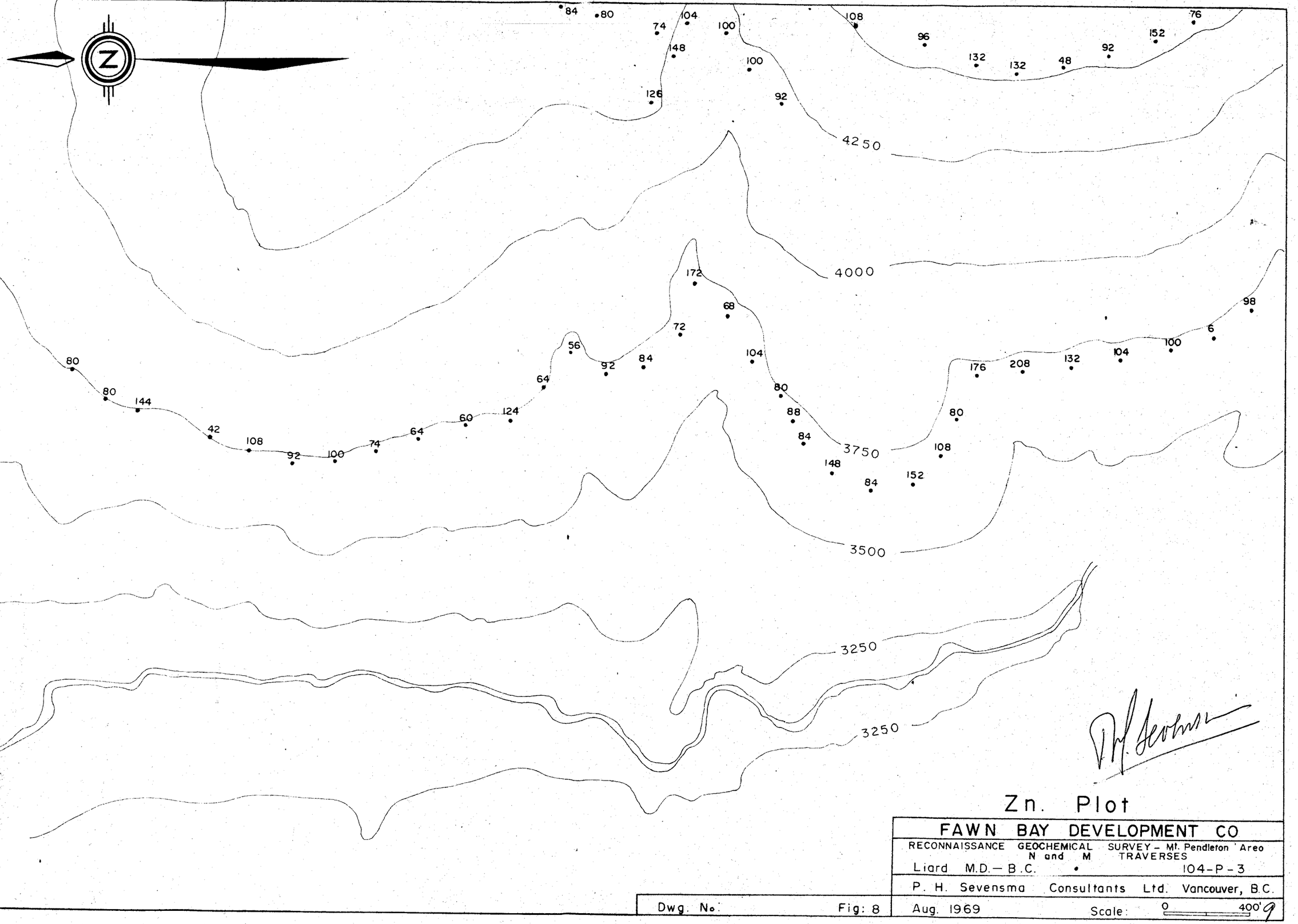
FAWN BAY DEVELOPMENT CO	
RECONNAISSANCE GEOCHEMICAL SURVEY – Mt. Pendleton Area N and M TRAVERSES	
Liard M.D. – B.C.	104-P.-3
P. H. Sevensma Consultants Ltd. Vancouver, B.C.	
Dwg. No: Fig: 6	Aug. 1969 Scale: 0 400'

BCIL 2604 P.H.S.



Cu Plot

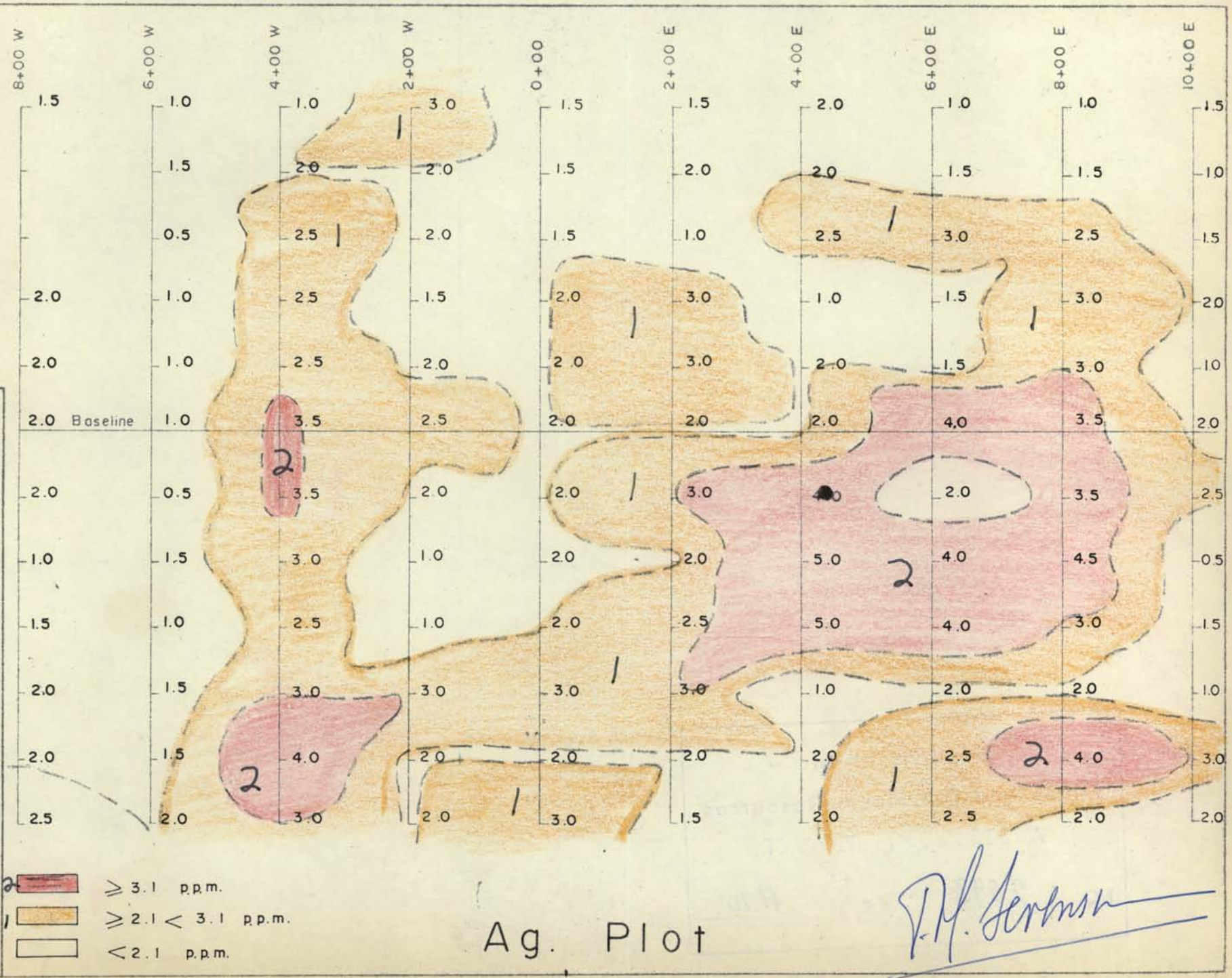
FAWN BAY DEVELOPMENT CO	
RECONNAISSANCE GEOCHEMICAL SURVEY – Mt. Pendleton Area N and M TRAVERSES	
Liard M.D. – B.C.	104-P-3
P. H. Sevensma Consultants Ltd. Vancouver, B.C.	
Dwg. No: Fig: 7	Aug. 1969 Scale: 0 400'



Zn. Plot

FAWN BAY DEVELOPMENT CO	
RECONNAISSANCE GEOCHEMICAL SURVEY – Mt. Pendleton Area N and M TRAVERSES	
Liard M.D. – B.C.	104-P-3
P. H. Sevensma Consultants Ltd. Vancouver, B.C.	
Dwg. No. Fig: 8	Aug. 1969 Scale: 0 400'

BCIL 2604 P.H.S.



FAWN BAY DEVELOPMENT CO.

RAM GR.-Detailed Grid Geochemical Survey

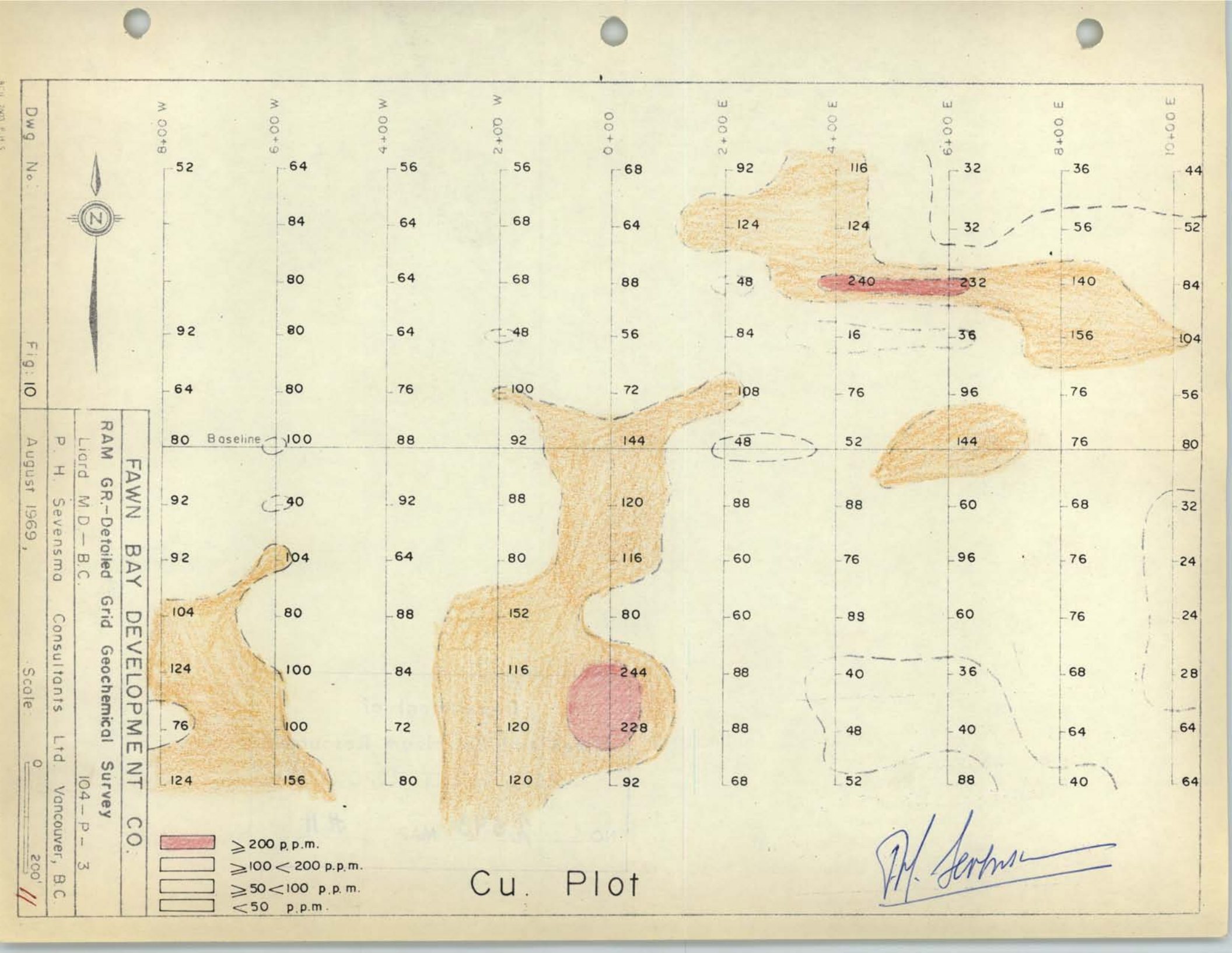
Liard M.D.—B.C.

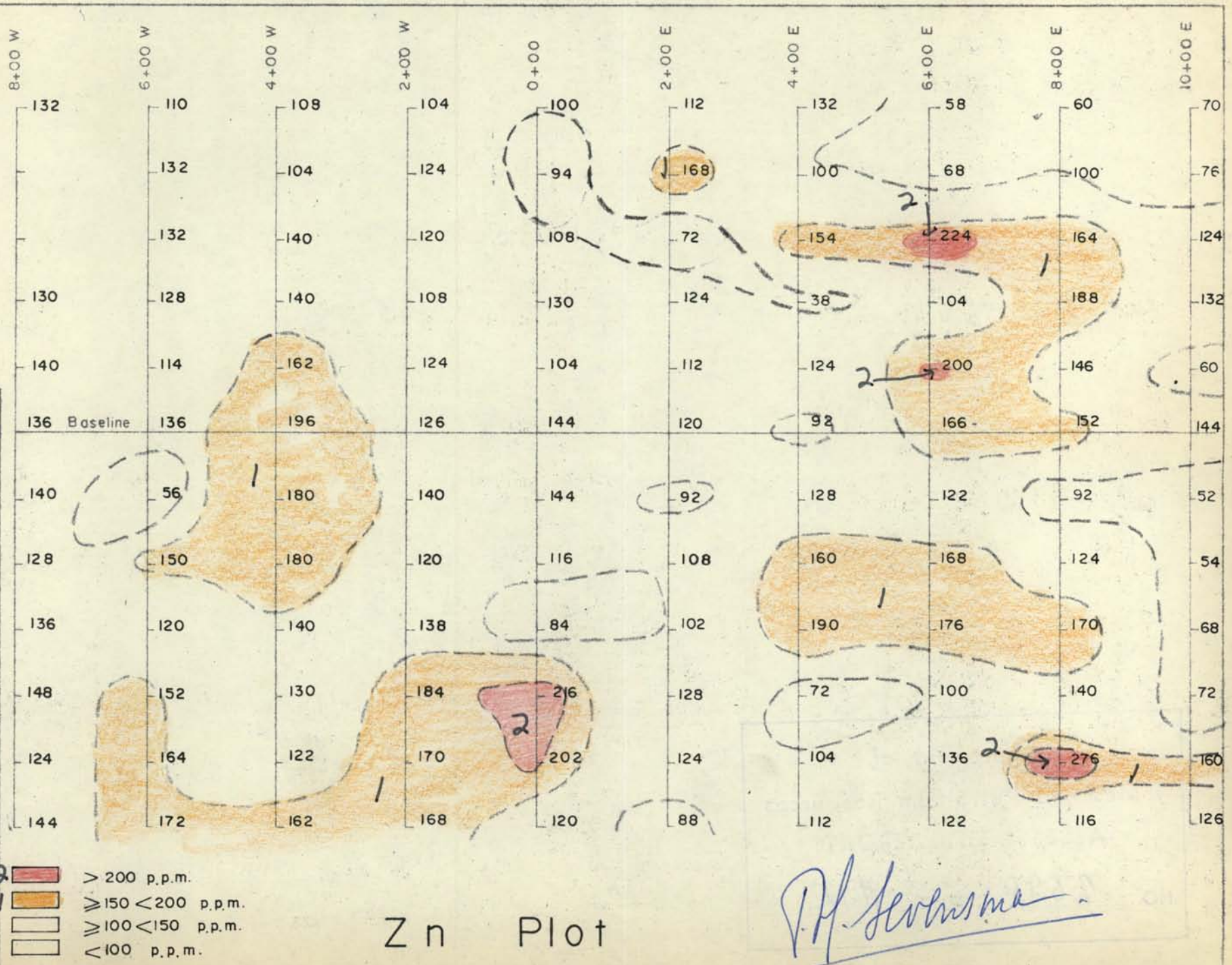
104—P—3

P. H. Sevensma Consultants Ltd. Vancouver, B.C.

Dwg. No. Fig: 9

August 1969, Scale: 0 200'


8+00 W
6+00 W
4+00 W
2+00 W
0+00
2+00 E
4+00 E
6+00 E
8+00 E
10+00 E
Baseline
≥ 200 p.p.m.
≥ 100 < 200 p.p.m.
≥ 50 < 100 p.p.m.
< 50 p.p.m.
Cu. Plot
FAWN BAY DEVELOPMENT CO.
RAM GR.-Detailed Grid Geochemical Survey
Liard M.D. — B.C.
104 — P — 3
P. H. Sevensma Consultants Ltd. Vancouver, B.C.
August 1969,
Scale 0 200'
Dwg No. Fig: 10



FAWN BAY DEVELOPMENT CO.

RAM GR.-Detailed Grid Geochemical Survey

Liard M.D. — B.C.

104 — P — 3

P. H. Sevensma Consultants Ltd. Vancouver, B.C.

Dwg. No: Fig: 11

August 1969, Scale: 0 200'

SOL 3
SOL 4
SOL 1
SOL 2
4550
4500
4450
4600
4650
RAM 3
RAM 4
34°
40°
28°
45°
31°
41°
30°
35°
25°
78°
"R" Showing
"P.H.S." Showing
D.D.H F°3
D.D.H. F°5
D.D.H. F°4
D.D.H F°2
D.D.H F°1

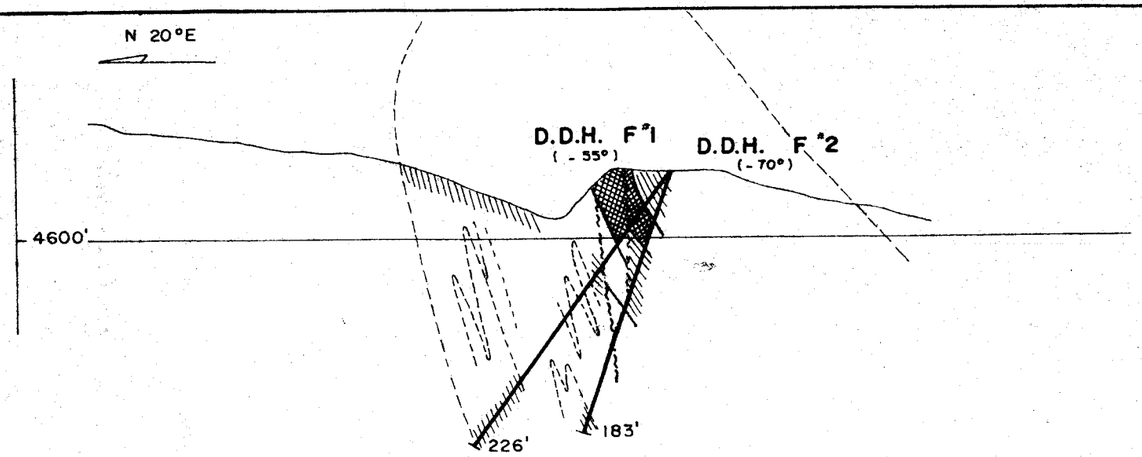
L E G E N D

34° Strike and dip of bedding
Vertical fracture
78° Strike and dip of fault plane
25° Direction and plunge of ~~folding~~
Fault (approximate)
Claim post inspected
Road

NOTE : Claim boundary RAM 3 & 4 approximate.

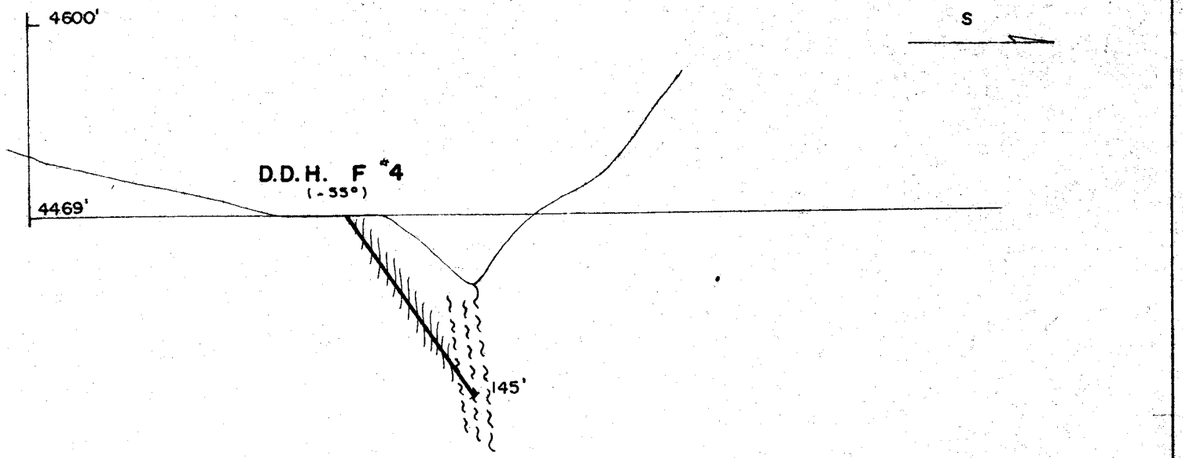
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2693 MAP #13

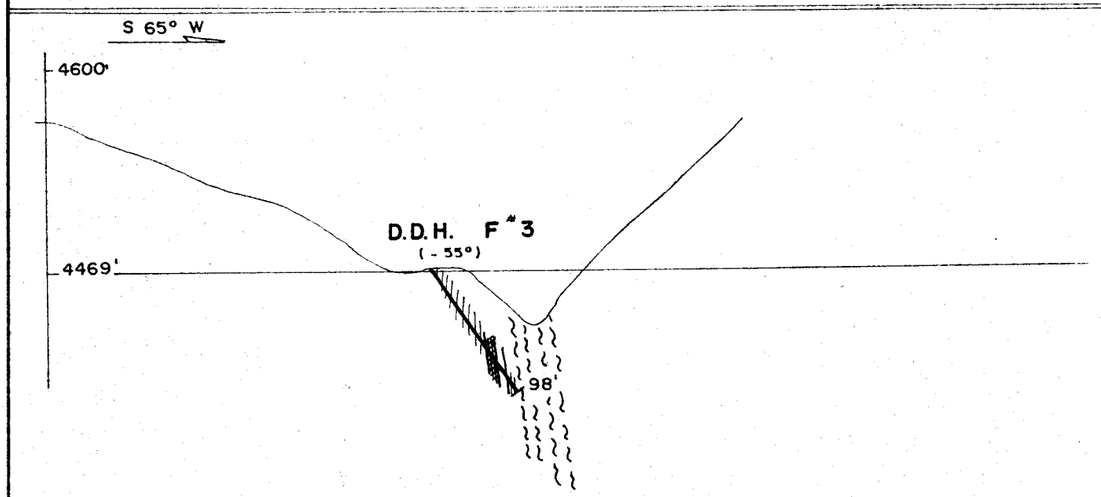
FAWN BAY DEVELOPMENT CO.
D.D. HOLES — PLAN
Liard M.D.—B.C. 104 - P - 3
P. H. Sevensma Consultants Ltd. Vancouver, B.C.

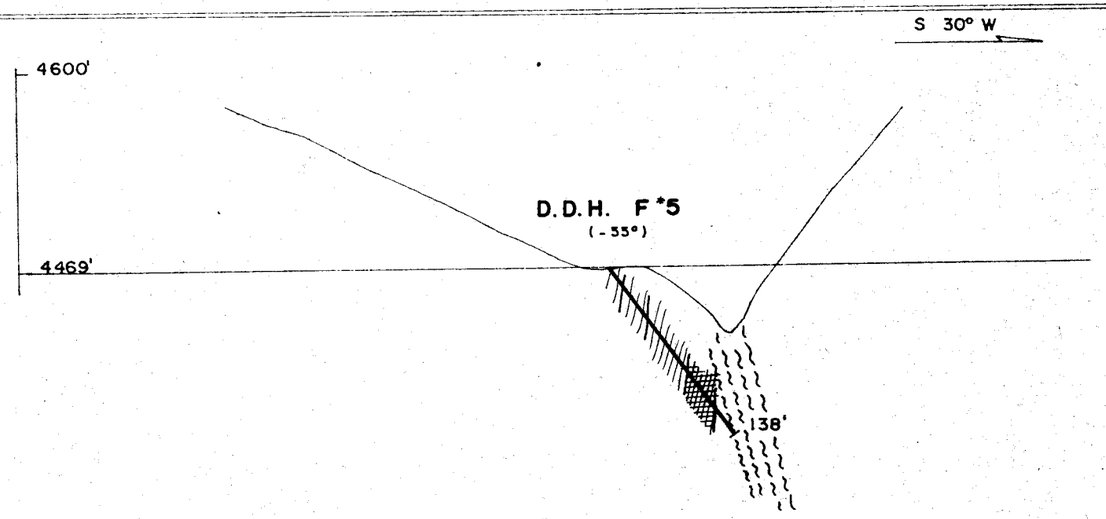


LEGEND

- Argillite
- Tuff
- Quartz vein
- Faulted zone







FAWN BAY DEVELOPMENT CO.

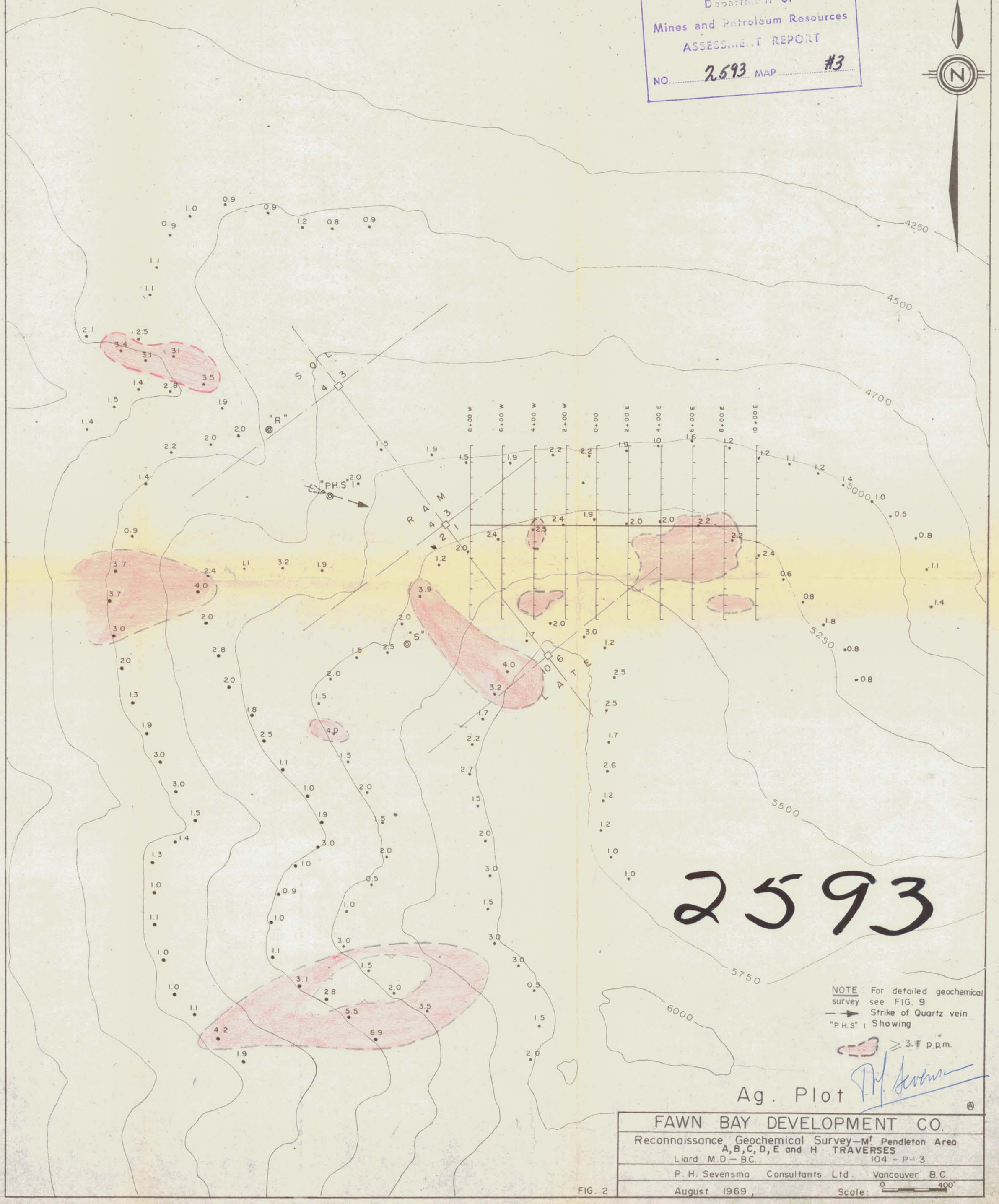
D.D. HOLES — SECTIONS

Liard M.D.— B.C. 104 – P – 3

P. H. Sevensma Consultants Ltd. Vancouver, B.C.

Dwg. No. Fig: 13

Oct. 1969, Scale: 0 100'



NOTE: For detailed geochemical survey see FIG. 9
→ Strike of Quartz vein
"P.H.S" 1 Showing
≥ 3.1 p.p.m.

Ag. Plot

FIG. 2

FAWN BAY DEVELOPMENT CO.	
Reconnaissance Geochemical Survey—Mt. Pendleton Area A, B, C, D, E and H TRAVERSES	
Liard M.D.— B.C.	104 - P- 3
P. H. Sevensma Consultants Ltd.	Vancouver B.C.
August 1969,	Scale: 0 400'

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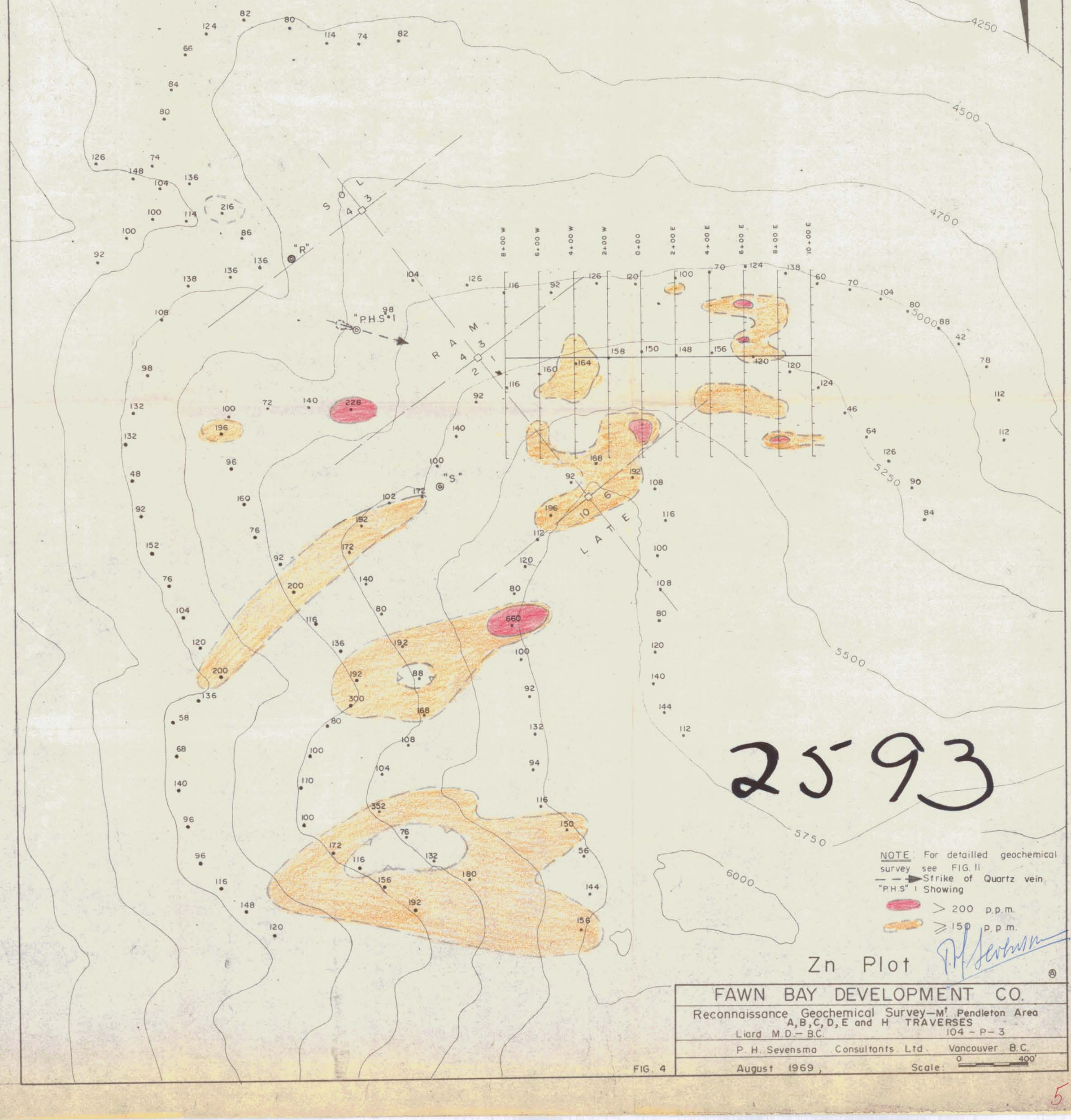
3



2593

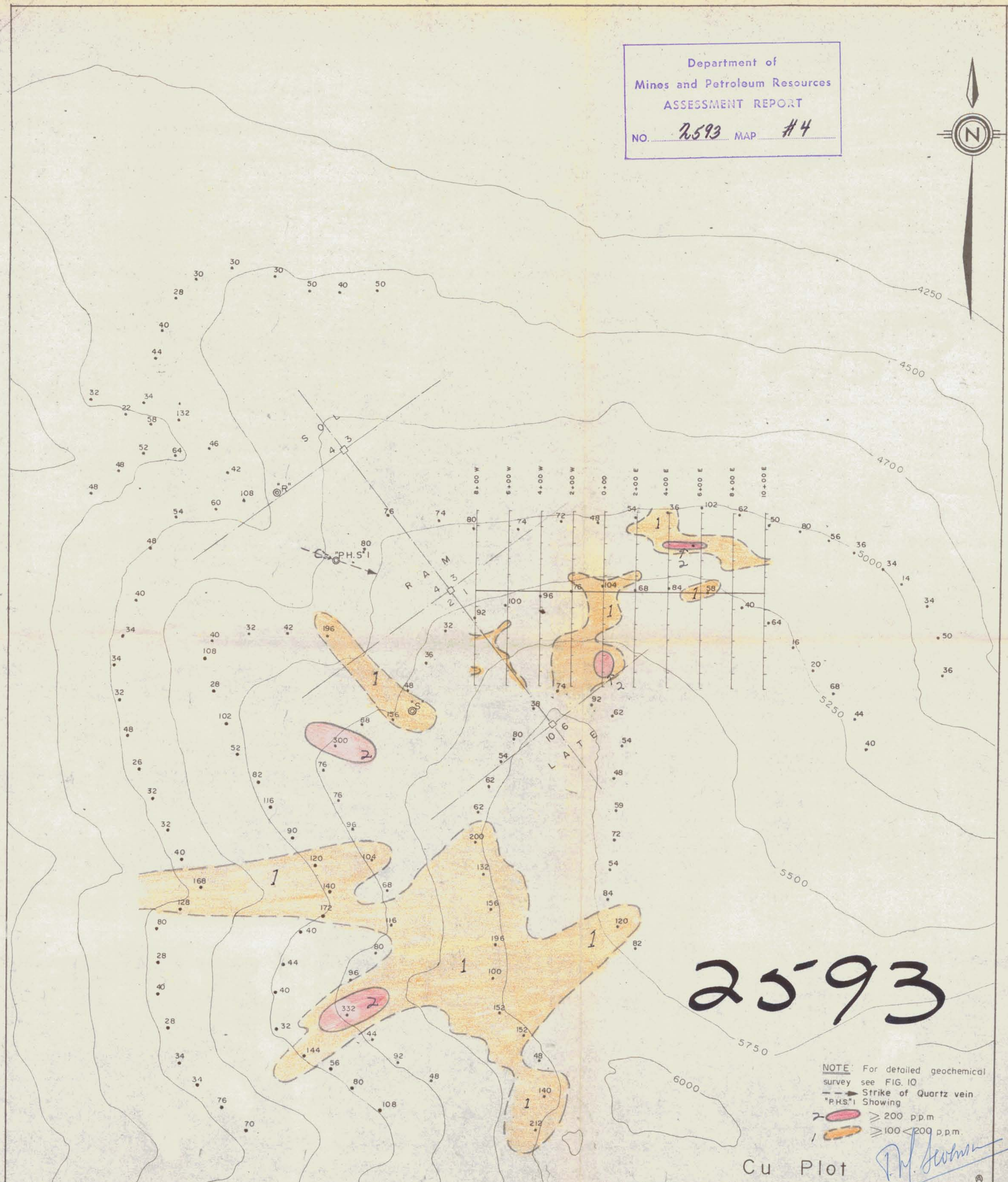
NOTE: For detailled geochemical survey see FIG. II
Strike of Quartz vein
"P.H.S" 1 Showing
> 200 p.p.m.
≥ 150 p.p.m.

Zn Plot

FIG. 4

FAWN BAY DEVELOPMENT CO.	
Reconnaissance Geochemical Survey—Mt. Pendleton Area A, B, C, D, E and H TRAVERSES	
Liard M.D.— B.C.	104 - P - 3
P. H. Sevensma Consultants. Ltd.	Vancouver B.C.
August 1969,	Scale: 0 400'

5



FAWN BAY DEVELOPMENT CO.

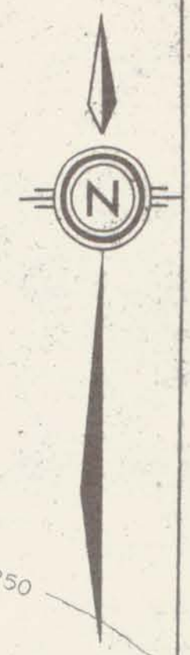
Reconnaissance Geochemical Survey–Mt. Pendleton Area
A, B, C, D, E and H TRAVERSES
Liard M.D.– B.C. 104 - P - 3

P. H. Sevensma Consultants. Ltd. Vancouver B.C.

August 1969, Scale: 0 — 400'

FIG. 3

4



E-1 E-2 E-3 E-4 E-5 E-6 E-7 E-8 E-9

A-1 A-2 A-3 A-4 A-5 A-6 A-7 A-8 A-9

B-1 B-2 B-3 B-4 B-5 B-6

C-1 C-2 C-3 C-4 C-5 C-6 C-7

D-1 D-2 D-3 D-4 D-5 D-6 D-7 D-8 D-9 D-10 D-11 D-12 D-13 D-14 D-15 D-16 D-17 D-18 D-19 D-20 D-21 D-22 D-23 D-24 D-25 D-26 D-27 D-28 D-29 D-30 D-31 D-32 D-33 D-34 D-35

8+00 W 6+00 W 4+00 W 2+00 W 0+00 2+00 E 4+00 E 6+00 E 8+00 E 10+00 E

H-1 H-2 H-3 H-4 H-5 H-6 H-7 H-8 H-9 H-10 H-11 H-12 H-13 H-14 H-15 H-16 H-17

I-1 I-2 I-3 I-4 I-5 I-6 I-7 I-8 I-9

J-1 J-2 J-3 J-4 J-5 J-6 J-7 J-8 J-9 J-10 J-11 J-12 J-13 J-4 J-15 J-16

K-1 K-2 K-3 K-4 K-5 K-6 K-7 K-8 K-9 K-10 K-11 K-12 K-13 K-14 K-15 K-16 K-17 K-18

L-1 L-2 L-3 L-4 L-5 L-6 L-7 L-8 L-9 L-10 L-11 L-12 L-13 L-14 L-15 L-16 L-17 L-18

"R" "S" "PH.S." 1

4250 4500 4700 5000 5250 5500 5750 6000

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→ PH.S.1 Strike of Quartz vein Showing

P.H. Sevensma

Soil Sample Locations

FIG. 1

FAWN BAY DEVELOPMENT CO.	
Reconnaissance Geochemical Survey—Mt. Pendleton Area A, B, C, D, E and H TRAVERSES	
Liard M.D.—B.C.	104 - P - 3
P. H. Sevensma Consultants Ltd.	Vancouver B.C.
August 1969,	Scale: 0 400'

2

SHOWING "R"
MAIN SHOWING
SHOWING "S"
RIVER GROUP
RAM 1
RAM 2
RAM 3
ROAD
PROPERTY BOUNDARY (APPROX.)

LEGEND

Map Symbols

- Strike & dip of bedding
- Strike & dip of slaty cleavage or rock cleavage
- Strike & dip of composition plane may be equivalent to rock cleavage
- Strike & dip of joints
- Direction & plunge of minor fold
- Geological contact approximate
- Geological contact assumed
- Geological contact inferred
- Outcrop boundary and number
- Fault, approximate
- Fault, inferred
- Claim post location approximate

Stratigraphic sequence Sylvester Volcanics

- Serpentinite intrusive (McDame intrusive)
- Dike rock or sil rock
- Green stone overlying interbedded sequence
- Argillite, Phyllite } interbedded sequence overlaying rock unit 1 folding easily observed in LS
- LS
- Argillite Host Rock, brown fine grained, pyrite xLs present in various locations, typical colour is dark brown. Hardness less than five (5). This rock unit is highly sheared and a prominent rock cleavage or fracture cleavage is easily discerned.

Stratigraphic sequence for Mt Pendleton Area

- Serpentinite intrusive rock (McDame Intrusive) mainly dark green in colour with poor amphibole fiber
- Greenstone altered volcanic rocks, tuff and/or agglomerates
- Dike rock or sill rock infected parallel to rock cleavage or bedding before intrusion or accompanying intrusion of the Serpentinite (4) or after intrusion
- Argillite & phyllite and slate various colours } interbedded sequence
- Limestone and chert interbedded overlies the host rock of the main showing. Limestone shows folding and deformation.
- Argillite dark brown in colour, host rock for main showing. This rock unit is highly deformed and due to the incompetent nature a pronounced rock cleavage has developed which may represent axial plane cleavage related to the deformation and folding of this rock unit. This rock unit may in places show pyrite crystals imbedded as a result of metamorphism possibly.

FAWN BAY DEVELOPMENT COMPANY LTD.

RAM GROUP, Cassiar, B.C.

GEOLOGICAL MAP

LIARD M.D. 104-P-3

SCALE

FEET 800 400 0 400 800 FEET

TOPOGRAPHY BY: McELHANNEY ENG. LTD.

GEOLOGY BY: P.H. SEVENSMA CONSULTANTS

AUGUST, 1969

FIG. A

ALTAIR drafting services ltd.

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