ATLAS EXPLORATIONS LTD.

"PAY" VLMO DIAMOND DRILL RECORD, HOLE NO. PDDH 68-1

DD

PROPERTY PAY

SHEET NUMBER 1 SECTION FROM 0 TO 45 STARTED April 11/68

LATITUDE COMPLETED April 16/68

Location: Station 49+50S

DEPARTURE L56W. BEARING 208° SW ULTIMATE DEPTH 105 feet

ELEVATION DIP -45° PROPOSED DEPTH 800 feet

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0-30	0	Overburden												
30-37.5	70%	Light-dark grey phyllite with well defined												
		schistosity. Schistosity surfaces has sheen												
		due to concentrations of micas or chlorite.												
		Contains minor amount of carbonate as is												
		reactive with dilute HCl. Core angle 40°												
37.5-38	90%	Same as above with the exception of two												
		narrow (1") quartz carbonate veins.												
38-42	90%	Light-dark grey phyllite, core angle 25°.												
42-45	15%	Zone of very soft ground. Little core												
		recovery, mostly mud. Possibly narrow												
		shear zone.												

DD-117

DIAMOND DRILL RECORD, HOLE NO. PDDH 68-1

PROPERTY PAY

SHEET NUMBER 2 | SECTION FROM 45 TO 69 | STARTED April 11/68

LATITUDE | DATUM | COMPLETED April 16/68

LOCATION: Station 49+50S
DEPARTURE ~~L56W.~~ | BEARING 208° | ULTIMATE DEPTH 105 feet

ELEVATION | DIP -45° SW | PROPOSED DEPTH 800 feet

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU.	PB.	ZN.			AG.	CU.	PB.	ZN.
45-46	90%	Light-dark grey phyllite with well defined schistosity. Section cut by several narrow carbonate stringers at 80° to the schistosity. Core angle 30°.												
46-62	55%	Phyllite with several quartz-carbonate strings or elongate pods generally parallel to the schistosity. At 56' they appear crinulated and parallel to the core. Core angle 35°- 40°.												
62-69		Light-dark grey phyllite. No carbonate concentration or stringers. Core angle approx. 40°. Minor carbonate content as slowly reactive with H.Cl.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-1

PROPERTY PAY

SHEET NUMBER 3
LOCATION: Station 49+50S.
L56W.

SECTION FROM 69 TO 105

DATUM

BEARING 208°

DIP -45° SW

STARTED April 11/68

COMPLETED April 16/68

ULTIMATE DEPTH 105 feet

PROPOSED DEPTH 800 feet

DEPARTURE

ELEVATION

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
69-76	30%	Light-dark grey phyllite. 70-72 high % of graphite associated with quartz-carbonate vein. Vein contains minor euhedral pyrite. Phyllite contains minor amounts of pyrite as disseminations or concentrations parallel to schistosity. Core angle 30°.												
76-105	20%	Ground very borken and core recovery low. Hole making too much water to continue. Phyllite with minor carbonate content. No distinguishing features. Core angle 45°.												
		Hole terminated												

DD-117

09117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 1

LOCATION: 735 feet from ~~XXXXXXXX~~ PDDH 68-1 bearing 208°

DEPARTURE

ELEVATION

SECTION FROM 0 TO 58

DATUM

BEARING 208°

DIP -60° SW

STARTED May 13, 1968

COMPLETED May 20

ULTIMATE DEPTH 348'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0-27		Overburden boulders consist of silicified dolomite, pale green chert and dolomitic shale.												
27-37	< 1%	Dolomitic phyllite with high graphitic content. Moderately reactive in warm HCl. Several quartz-carbonate stringers.												
37-58	30%	Dark grey dolomitic phyllite or shale with high percentage of graphite. Very fine quartz-carbonate stringers carrying minor amounts of sphalerite. At 57.6 about 1 inch zone of light colour more carb. rich material. Core angle approx. 60°.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 2
LOCATION: 735 feet from
~~XXXXXXX~~ PDDH 68-1 bearing 208°

DEPARTURE

ELEVATION

SECTION FROM 58 TO 106.8

DATUM

BEARING 208°

DIP -60° SW

STARTED May 13, 1968

COMPLETED May 20

ULTIMATE DEPTH 348'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
58-92	5%	Very poor ground. Soft and broken. Core recovery nil in several places. Same rock type as above but no visible sphalerite.												
92-93	50%	Light to dark grey dolomitic shale with high percentage of diss. pyrite. Very minor sphalerite. Core angle 85°.												
93-106.8	3%	Broken ground. Core in form of mud. 106-106.8 Dark grey dolomitic shale cut by irregular quartz-carbonate stringers carrying minor amounts of sphalerite. 60-65°												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 3

LOCATION: 735 feet from ~~XXXXXXX~~ PDDH 68-1 bearing 208°

DEPARTURE

ELEVATION

SECTION FROM 106[8] TO 118

DATUM

BEARING 208°

DIP -60° SW

STARTED May 13, 1968

COMPLETED May 20

ULTIMATE DEPTH 348'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
106[8]-109	75%	Dark grey platy dolomitic shale. Low												
		percentage of quartz-carbonate stringers.												
		very minor sphalerite. Core angle 70°.												
109-111	50%	Dolomitic shale highly fractured and												
		filled with quartz-carbonate stringers.												
		Minor sphalerite.												
111-114	65%	Dark grey platy dolomitic shale with very												
		few quartz-carbonate stringers. No												
		visible sphalerite. Core angle 80°.												
114-118	75%	Dark grey dolomitic shale but not as platy												
		as section above. No visible sphalerite.												
		Core angle 80°.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 4
LOCATION: 735 feet from
~~XXXXXXXX~~ PDDH 68-1 bearing 208°

DEPARTURE

ELEVATION

SECTION FROM 118 TO 143

DATUM

BEARING 208°

DIP -60° SW

STARTED May 13, 1968

COMPLETED May 20

ULTIMATE DEPTH 348'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
118-129		Dark grey dolomitic shale with intermittent												
		zones of higher % quartz-carbonate stringers.												
		Most quartz-carbonate stringers carry												
		sphalerite in various amounts. Visual												
		estimate <1%. Sphalerite confined almost												
		entirely to stringers but some instances												
		a few specks can be found diss. in the												
		dolomite. Core angle 80°-85°.												
129-143	60%	Dark grey dolomitic shale but slightly												
		more platy than above section. Appears												
		finely banded due to thin bands of more												
		carbonaceous material. Quartz-carbonate												
		stringers few and sphalerite very minor.												

DD-117

DIAMOND DRILL RECORD, HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 5

SECTION FROM 143 TO 164

STARTED May 13, 1968

LOCATION: 735 feet from ~~XXXXXXX PDDH 68-1 bearing 208°~~

DATUM

COMPLETED May 20

DEPARTURE

BEARING 208°

ULTIMATE DEPTH 348'

ELEVATION

DIP -60° SW

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
143-152	30%	Ground broken and core recovery low.												
		Dark grey dolomitic shale 10% irregular												
		quartz-carbonate stringers with some												
		sphalerite. < 1%. Highest percent found												
		at 144^6. Core angle 75°.												
152-157	20%	Ground soft and broken. Broken pieces of												
		dolomitic shale. Minor sphalerite.												
157-164	55%	Dark grey dolomitic shale. Platy in some												
		sections for a few inches. Quartz-carbonate												
		stringers < 5% and irregularly spaced.												
		Sphalerite present in stringers. Core												
		angle 80°.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 6

LOCATION: 735 feet from ~~XXXXXXX PDDH 68-1 bearing 208°~~

DEPARTURE

ELEVATION

SECTION FROM 164 TO 204

DATUM

BEARING 208°

DIP -60° SW

STARTED May 13, 1968

COMPLETED May 20

ULTIMATE DEPTH 348'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
164-174	35%	Dark grey dolomitic shale but ground broken												
		and core highly fractured in several												
		places. Such as 164-166 and 168^{6}-171.												
		Percent of quartz-carbonate stringers												
		variable and contain minor amounts of												
		sphalerite. Core angle 70°.												
174-178	75%	Light-dark grey dolomitic shale with light												
		coloured more carbonaceous interbedded												
		Quartz-carbonate stringers 5%. Minor												
		sphalerite. Core angle 70°.												
178-204	35%	Dark grey-black dolomitic shale. Graphite												
		concentrations on lamination planes. Low												
		percentage of quartz-carbonate stringers.												
		No visible sphalerite but minor pyrite is												
		present in the quartz-carbonate stringers.												
		Core angle 75°												

DD - 117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 7

LOCATION: 735 feet from ~~XXXXXXX~~ PDDH 68-1 bearing 208°

DEPARTURE

ELEVATION

SECTION FROM 204 TO 230

DATUM

BEARING 208°

DIP -60° SW

STARTED May 13, 1968

COMPLETED May 20

ULTIMATE DEPTH 348'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
204-212	75%	Dark grey dolomitic shale highly fractured												
		and filled with quartz-carbonate stringers												
		10-15%. No visible sphalerite but minor												
		pyrite. Core angle 75°.												
212-230	60%	Ground very broken and soft core very												
		crumbled and sometimes composed of coarse												
		mud. Graphite content high. Quartz-												
		carbonate stringers few. Pyrite minor and												
		no visible sphalerite. Core angle approx.												
		75°.												

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 8

SECTION FROM 230 TO 266

STARTED May 13, 1968

LOCATION: 735 feet from ~~XXXXXXX~~ ~~PDDH 68-1 bearing 208°~~

DATUM

COMPLETED May 20

DEPARTURE

BEARING 208°

ULTIMATE DEPTH 348'

ELEVATION

DIP -60° SW

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
230-266		Medium grey argillaceous dolomite.												
		Moderately reactive in warm dilute HCl.												
		Very irregular fine concentrations of												
		argillaceous minerals darker coloured												
		streaks in the rock. When broken some												
		laminations planes have chlorite concentrations												
		giving sheen to the fresh surface. Per-												
		centage of quartz-carbonate stringers very												
		low, and therefore visible sphalerite												
		percent very low. Minor pyritic concentrations.												
		Core angle 70°.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 9
LOCATION: 735 feet from ~~XXXXXX~~ PDDH 68-1 bearing 208°

SECTION FROM 266 TO 294

STARTED May 13, 1968

DATUM

COMPLETED May 20

DEPARTURE

BEARING 208°

ULTIMATE DEPTH 348'

ELEVATION

DIP -60° SW

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
266-270	60%	Light to dark grey argillaceous dolomitic												
		grading into dark grey to black graphitic												
		dolomitic shale or phyllite. Percentage of												
		quartz-carbonate stringers low and visible												
		sphalerite nil. Core angle 60°.												
270-285	20%	Broken ground hard to core. Dark grey-black												
		graphitic dolomitic shale or phyllite.												
		Very fine quartz-carbonate stringers. No												
		visible sphalerite.												
285-294	60%	Dark grey-black graphitic dolomitic												
		phyllite irregularly interbedded with												
		lighter grey argillaceous dolomite with												
		high graphite content. Minor sphalerite in												
		quartz-carbonate stringers. Also minor												
		pyrite concentrations, some parallel to												
		foliations.												

DD - 117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-4

PROPERTY PAY

SHEET NUMBER 10

LOCATION: 735 feet from ~~XXXXXXX~~ PDDH 68-1 bearing 208°

DEPARTURE

ELEVATION

SECTION FROM 294 TO 347

DATUM

BEARING 208°

DIP -60° SW

STARTED May 13, 1968

COMPLETED May 20

ULTIMATE DEPTH 347'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
294-317	35%	Dark grey-black graphitic phyllite.												
		Moderately reactive in warm HCl. Graphite												
		gives rise to sheen on foliation surfaces.												
		No visible sphalerite and quartz-carbonate												
		stringers low. Small gouge zone at 293.												
		Core angle 65-70°.												
317-347		Broken ground. Fault. Low core recovery.												
		Could not penetrate. Hole abandoned.												

DD-117

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DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 1

LOCATION: 125' NE of PDDH 68-10

DEPARTURE

ELEVATION

SECTION FROM 35 TO 40

DATUM

BEARING 28°

DIP -60°

STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
35-40	60%	Host dolomite found at beginning of hole												
		(float 3" long). Sphalerite altered to												
		limonite residue. Approx. 5%.												
		Black fine grained shale. Diagnostic augen												
		structures illustrating mechanical stress.												
		some of these augen have been replaced by												
		pyrite. The augen zones are coarser grained												
		indicating faulting or shearing. Quartz-												
		carb. stringer cross cutting foliation.												
		Minor sphalerite in vein material and diss.												
		throughout matrix. Quartz-carb. stringers												
		3%. High degree of brecciation. Core angle												
		50°.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 2

LOCATION: 125' NE of PDDH 68-10 ~~XXXXXXX~~

DEPARTURE

ELEVATION

SECTION FROM 40 TO 67

DATUM

BEARING 28°

DIP -60°

STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
40-67	75%	Light grey fine grained dolomitic shale.												
		Low graphitic content. Higher quartz-carb.												
		vein material than in preceding section												
		(5-20%). Sphalerite present as disseminations												
		and as replacement in vein material. Sphalerite												
		present as disseminations and as replacement												
		in vien material. Sphalerite content varies.												
		Some sections (1-2") approx. 5-10%. The												
		sphalerite content is generally between 1												
		and 2%. There seems to be a significant												
		amount of pyrite (approx. 3%). At begin-												
		ning of section pyritization is 3" by 3/4".												
		Alteration products are limonitic residue												
		and suspected sphalerite altered to smith-												
		sonite. Occurs as pale yellow-green mineral												
		surrounding sphalerite.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 3

LOCATION: 125' NE of PDDH 68-10

DEPARTURE

ELEVATION

SECTION FROM 40 TO 84

DATUM

BEARING 28°

DIP -60°

STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
40-67	75%	Rock is very limy (fisses) under cold acid.												
		There seems to be good brecciation within												
		this part of matrix. Core angle between												
		45 and 65°. Average angle approx. 60°.												
67-70	0%	Broken zone.												
70-84	70%	Black fine grained dolomitic shale. High												
		graphite content on foliation planes.												
		Higher degree of brecciation than in 40-67.												
		Rather high precentage quartz-carb. vein												
		material (20%). Stringers are conformable												
		and cross cutting. Very low pyrite content.												
		Minor sphalerite in the form of disseminations.												
		Some sections have 50% sphalerite in quartz-												
		carb. stringers. Suspected sphalerite or smith-												
		sonite occurs as pale yellow-green mineral												
		~~in quartz strings. (This could be calcite).~~												
		Core angle varies from 10° - 70°. (Average 55°.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER ÷

SECTION FROM 84 TO 105

STARTED June 27, 1968

LOCATION: 125' NE from PDDH 68-10

DATUM

COMPLETED July 2, 1968

DEPARTURE

BEARING 28°

ULTIMATE DEPTH 289'

ELEVATION

DIP -60°

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
84-90	5%	Semi-broken zone. High degree of alteration.												
		Black fine grained dolomitic shale. Quartz-												
		carb. stringers approx. 15%. Minor smith-												
		sonite. High graphitic content.												
90-98	5%	Very poor core recovery. Black fine grained												
		dolomitic shale. High graphitic content												
		on foliation planes. Core angle 20°.												
98-105	70%	Black fine grained dolomitic shale. Very												
		high degree of brecciation. Quartz-carb.												
		stringers approx. 60%. Minor sphalerite												
		with replacement of calcite by smithsonite?												
		Smithsonite appears as yellow-green earthy												
		mineral with a white streak. Percentage												
		Smithsonite increases at end of section,												
		to 2-5%. Core angle 35°.												

DD - 117

DIAMOND DRILL RECORD, HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 5
LOCATION: 125' NE of PDDH 68-10
~~XXXXXXX~~

DEPARTURE

ELEVATION

SECTION FROM 105 TO 117

DATUM

BEARING 28°

DIP -60°

STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
105-112	45%	Black fine grained dolomitic shale. Higher												
		graphitic content than preceding section.												
		Also less quartz-carb. stringers than												
		before (20%). High degree of brecciation.												
		Some of the breccia filling is minor smith-												
		sonite. Core angle 35°. Semi-broken,												
		highly weathered zone.												
112-117	60%	Black fine grained shale. Quartz-carb.												
		stringers range from 10-30%. Minor												
		sphalerite and smithsonite. High graphitic												
		content on foliation planes. Core angle 40°.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 6

LOCATION: 125' NE of PDDH 68-10

DEPARTURE

ELEVATION

SECTION FROM 117 TO 139

DATUM

BEARING 28°

DIP -60°

STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
117-139	35%	Very poor core recovery. Semi-broken												
		material. Dark grey fine grained shale												
		(doesn't fiss). High degree of graphite on												
		foliation planes. Graphite displays very												
		high sheen on foliation planes. Low per-												
		centage of quartz-carb. stringers except												
		where mineralization occurs. Sphalerite												
		occurs at 122' for 2-3" (10-15%). The												
		mineralization occurs primarily as vein												
		material. Pyritization increases from 129'												
		to end of section. There is approx. 30%												
		pyrite over 3" at 234'. Lead occurs in small												
		cavity within quartz at 130'. The crystals												
		are ½ cm. wide. There is minor sphalerite												
		occurring sporatically throughout section.												
		Core angle 55°.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 7
LOCATION: 125' NE of PDDH 68-10
~~XXXXXXXX~~

DEPARTURE

ELEVATION

SECTION FROM 139 TO 197

DATUM

BEARING 28°

DIP -60°

STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
139-142	25%	Broken zone at beginning of section.												
		140'-141.5' is black fine grained dolomitic												
		shale. Highly brecciated with quartz-carb.												
		stringers filling fractures. 80-90% of												
		these stringers have been replaced by												
		sphalerite. Approx. 8" of this section												
		contains 20% sphalerite. Minor pyrite occurs												
		periodically in this section. Core angle												
		45°.												
142-168	5%	Broken zone.												
168-197	65%	Dark grey fine grained sandy dolomitic												
		shale. Low percentage quartz-carb. stringers												
		and lack of pronounced brecciation except												
		for a few sections. Significant pyrite at												
		175'. Core angle 55°.												

DD - 117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 8

LOCATION: 125' NE Of PDDH 68-10

~~LATITUDE~~

DEPARTURE

ELEVATION

SECTION FROM 197 TO 212

CHANGE ROLL CHANGE ROLL

DATUM

BEARING 28°

DIP -60°

STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
197-210	80%	Dark grey fine grained dolomitic shale.												
		Much more pyrite in this section than in												
		preceding one. Also higher concentration of												
		graphite on foliation planes. Pyritization												
		is by lots of dissemination and lense												
		structures. No visible sphalerite and minor												
		smithsonite? Core angle 30°. This angle												
		coincides with lineation.												
210-212	85%	Dark grey fine grained dolomitic shale.												
		Quartz-carb. stringers range from 20-40%												
		Yellow-green to yellow-brown mineral re-												
		placing the calcite. This yellow-brown mineral												
		is in some instances surrounding minor												
		sphalerite. It is very soft and powder-like												
		and is probably alteration of sphalerite												
		to smithsonite. High degree of brecciation.												

DD-117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 9

LOCATION: 125' NE of PDDH 68-10

~~XXXXXXXX~~

DEPARTURE

ELEVATION

SECTION FROM 212 TO 232

DATUM

BEARING 28°

DIP -60°

STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
212-215	70%	Same as 197'-210' except for minor												
		sphalerite altering to smithsonite at												
		beginning of section.												
215-228	80%	Same as 210' - 212' except for more												
		sphalerite and smithsonite alteration.												
		Core angle 45°.												
218-224	75%	Same as 212'-215'. Minor sphalerite at												
		end of section. Lineation angle 50-55°.												
		(Bedding planes). There is also a fracture												
		plane (65-80 angle) which crosses lineations.												
224-232	25%	Same as 215'-218'. Sphalerite and smith-												
		sonite replacing calcite in brecciated												
		quartz-carb. stringers. End of section												
		has more graphite and has broken appearance.												

DD - 117

DIAMOND DRILL RECORD,

HOLE NO. PDDH 68-11

PROPERTY PAY

SHEET NUMBER 10
LOCATION: 125' NE of PDDH 68-10
~~XXXXXXXX~~

DEPARTURE

ELEVATION

SECTION FROM 232 TO

DATUM

BEARING 28°

DIP -60°

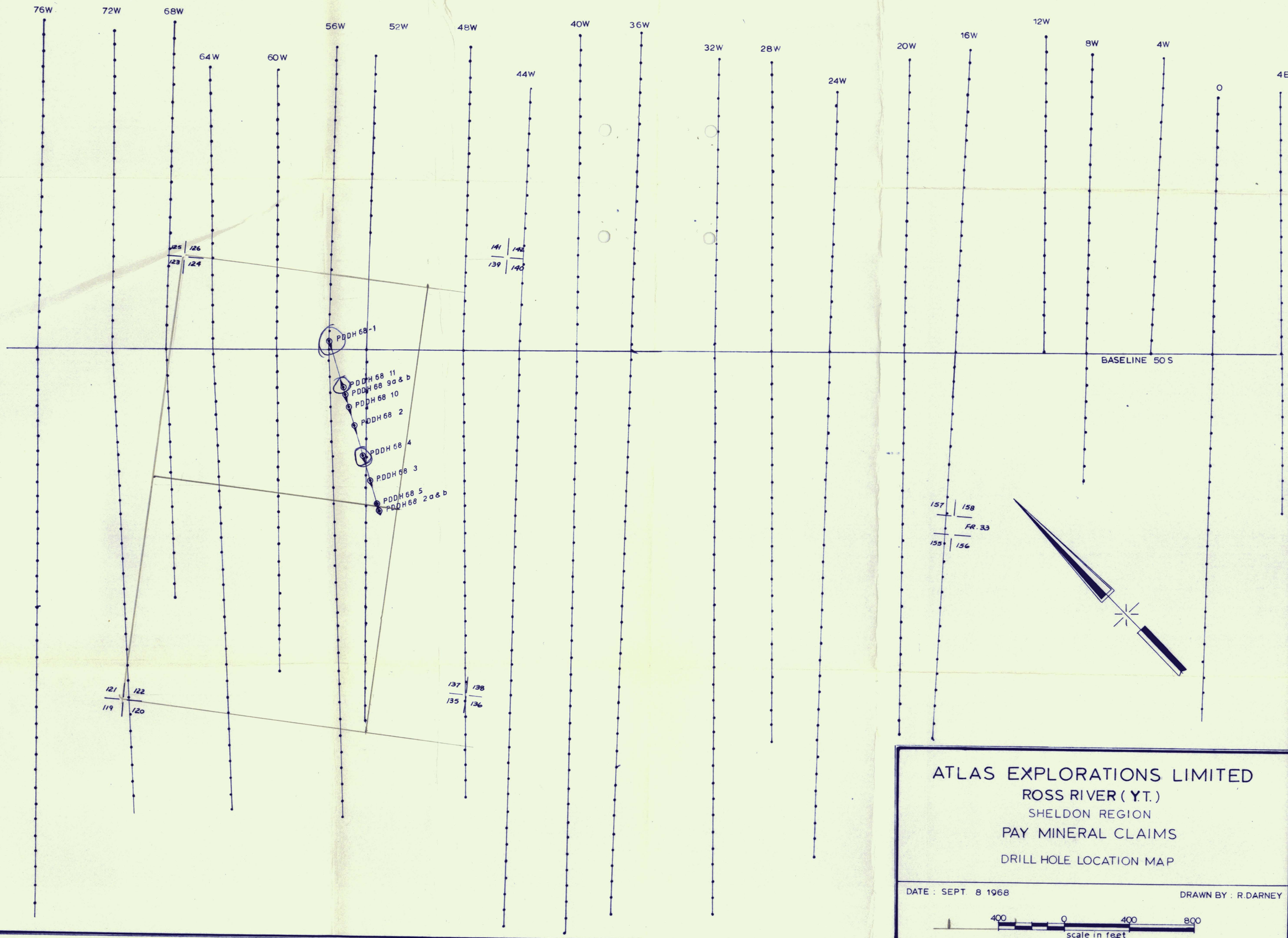
STARTED June 27, 1968

COMPLETED July 2, 1968

ULTIMATE DEPTH 289'

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CORE ASSAYS CU.	CORE ASSAYS PB.	CORE ASSAYS ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	SLUDGE ASSAYS CU.	SLUDGE ASSAYS PB.	SLUDGE ASSAYS ZN.
232-238	10%	Broken zone. Black fine grained shale.												
		Pyrite mineralization approx. 10%.												
238-244	45%	Dark grey to black fine grained dolomitic												
		shale. Good brecciation, with quartz-carb.												
		stringers approx. 10-20%. Very minor												
		sphalerite and about 1-2% pyrite.												
244-252	< 1%	Broken zone.												
252-289	40%	Light - dark grey phyllite with well												
		defined schistosity. Very high chlorite												
		content. Quartz vein from 257'-261'. There												
		is minor calcite within this vein material.												
		There is also quartz veining from 265'-276'.												
		Rock has diagnostic greasy lustre and white												
		streak due to chlorite. Very minor pyrite.												
		Core angle 30°.												



ATLAS EXPLORATIONS LIMITED

ROSS RIVER (Y.T.)

SHELDON REGION

PAY MINERAL CLAIMS

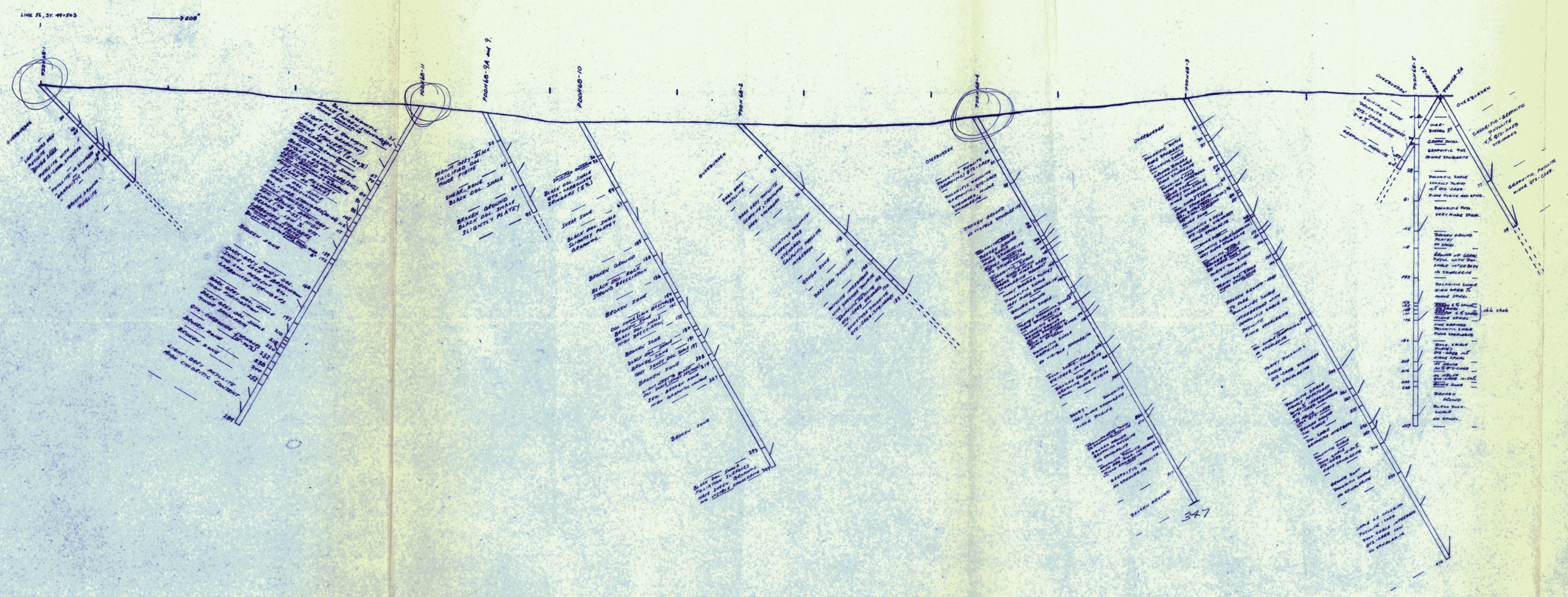
DRILL HOLE LOCATION MAP

DATE : SEPT. 8 1968

DRAWN BY : R.DARNEY

400 0 400 800

scale in feet



ATLAS EXPLORATIONS LTD.

PAY MINERAL CLAIMS

DRILL HOLE PROFILES

1, 2, 2a, 2b, 3, 4, 5, 9, 9a, 10, 11.

DRAWN BY: C. FLEMING
DATE: JULY 8, 1968

50 0 50 100
scale in feet

DD-117