DIAMOND DRILLING

TOWNSHIP: TWEEDSMUIR REPORT NO: 11

WORK PERFORMED FOR: Granges Exploration Ltd.

RECORDED HOLDER: Same as Above [xx]
: Other [ ]

Claim No.	Hole No.	Footage	Date	Note
882188	BAG 1	172.18m	Feb/88	(1)
	BAG 2	120.38m	Feb/88	(1)
882189	BAG 3	99.04m	Feb/88	(1)
882190	BAG 4	117.33m	Feb/88	(1)
1003407	BAG 5	102.09m	Feb/88	(1)
1003411	BAG 6	92.95m	Feb/88	(1)
1003408	BAG 7	80.76m	Feb/88	(1)
	BAG 8	83.81m	Feb/88	(1)
1003406	BAG 9	102.09m	Feb/88	(1)
882188	BAG 10	144.76m	Feb/88	(1)
	BAG 11	129.52m	Feb/88	(1)
	BAG 12	144.76m	Feb-Mar/88	(1)

Notes: (1) W8801.096, filed in Sept/88

DIAMOND DRILLING REPORT

ON

BAG LAKE AND SIOUX CLAIMS

K882188 AND K1003408

SITUATED IN THE

KENORA MINING DIVISION, TWEEDSMUIR TOWNSHIP

UNDER OPTION TO

GRANGES EXPLORATION LTD.

23RD FLOOR

885 WEST GEORGIA STREET

VANCOUVER, B.C.

V6C 3E8

MARCH 28, 1988

G.W. ZBITNOFF
(A.L. NAUSS)

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ENCLOSURES

INTRODUCTION

Claim blocks 882188, 882189, 882190, 1003407, 1003408, 1003406 and 1003411 are situated in Tweedsmuir Township, District of Kenora, in the Kenora Mining Division of Ontario. The claims can be accessed via highway 71 heading north towards Whitefish Bay.

Claims number 882188, 882189 and 882190 are held under option to Granges Exploration Ltd. of Vancouver, B.C. from H.R. Haggberg and R.R. Tinkess of Nestor Falls, Ontario. Claims 1003406, 1003407, 1003408 and 1003411 are held by Granges Exploration Ltd. of

GEOPHYSICAL SURVEYING

21.42 km of linecutting and chaining were completed on the claims by Breezeway Exploration Services Inc. of Winnipeg, Manitoba, establishing a grid for geophysical surveying.

A total of 19.0 km of VLF/Magnetometer surveying was completed by Northwest Geophysics Ltd. of Thunder Bay, Ontario, using an Omni Plus unit. The Omni Plus unit is a combined VLF/Magnetometer system manufactured by EDA Instruments Inc. of Toronto, Ontario.

Nine first priority anomalies were located as a result of the VLF/Magnetometer survey and twelve diamond drill holes were planned to further investigate them.

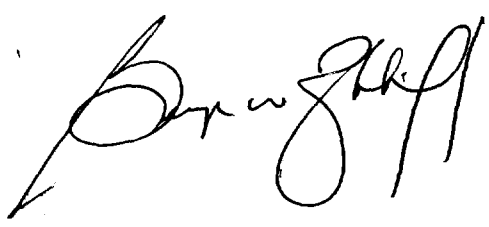
DIAMOND DRILLING

A total of 12 diamond drill holes were drilled on the property for a total of 1389.67 m (4559.28 ft). These holes were drilled by N. Morissette Canada Inc. of Haileybury, Ontario during the period of February 5, 1988 to March 1, 1988. The programme was supervised by B. Gaboury, geologist for Granges Exploration Ltd.

The following is a summary of results, but for more information please contact Granges in order to see the appended logs and record sheets or to view the core.

SUMMARY OF DIAMOND DRILLING RESULTS

Hole No.	Claim	Intersection (m)	Au g/t
BAG-1	882188	9.19 - 9.44	3.25
		19.72 - 19.93	7.62
		67.87 - 68.16	2.96
BAG-2	882188	43.54 - 43.92	1.61
		51.53 - 51.96	3.42
BAG-3	882189	No significant mineralization	
BAG-4	882190	29.20 - 29.42	4.24
		43.90 - 43.98	1.81
		48.69 - 49.01	8.69
BAG-5	1003407	No significant mineralization	
BAG-6	1003411	No significant mineralization	
BAG-7	1003408	No significant mineralization	
BAG-8	1003408	No significant mineralization	
BAG-9	1003406	38.16 - 38.43	2.65
BAG-10	882188	14.30 - 14.69	5.58
		14.69 - 14.90	19.55
		14.90 - 15.30	2.08
		43.42 - 43.61	7.06
		50.01 - 50.17	2.34
		57.03 - 57.28	34.90
		57.28 - 57.54	1.57
		76.54 - 76.81	3.24
		116.90 - 117.40	2.06
		117.92 - 118.26	8.79
BAG-11	882188	25.86 - 26.38	2.23
		90.39 - 90.61	1.82
		102.33 - 102.63	2.92
		102.63 - 102.94	4.44
		102.94 - 103.11	4.30
BAG-12	882188	No significant mineralization	



EXPENDITURES

CLAIM K882188: 2334 feet (711.60 m) diamond drilling on diamond drill holes Bag 1, 2, 10, 11 and 12

= 2334 assessment days

CLAIM K1003408: 539 feet (164.57 m) diamond drilling on diamond drill holes Bag 7 and 8

= 539 assessment days

TOTAL ASSESSMENT DAYS APPLIED = 2720 (SEE REPORT OF WORK FORMS)

STATEMENT OF QUALIFICATIONS
GEORGE W. ZBITNOFF
5160 CLIFF PLACE
DELTA, B.C.

Name: Zbitnoff, George William

Birth Date: August 15, 1938

Birthplace: Saskatoon, Saskatchewan

Graduated with Grade 12 matriculation from Blaine Lake High School in 1955.

Graduated from University of Saskatchewan with a B.A. (Geology and chemistry majors) in 1963.

Professional Associations:

- Member of the Association of Professional Engineers of the Province of Manitoba.
- Member of the Association of Professional Engineers of the Province of British Columbia since 1973.
- Member of the Canadian Institute of Mining and Metallurgy.

Experience:

- Pre-graduation experience in geology with the Department of Mineral Resources of Saskatchewan.
- May 1962 - Two and one half years, field geologist with Hudson Bay Exploration and Development, Flin Flon area.
- January 1965 - Six years, field and resident geologist with Noranda Exploration Ltd., Flin Flon area.
- February 1971 - Twelve and one half years, Assistant Manager, Granges Exploration Aktiebolag in Vancouver, B.C.
- November 1983 to present - Vice President Exploration, Granges Exploration Ltd. in Vancouver, B.C.
- Active geological experience in all provinces of Canada and parts of the United States and Mexico.
- Participated in the discovery of Trout Lake Mine.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property: BAG L. | Project No.: 515 | Depth: 172.18 m | Date Began: Feb 5 1988

Hole No.: BAG 1 | Co ord.: 0+20S | Horizontal Length: 136.5 M | Date Completed: Feb 7 1988

Claim No.: 882188 | 0+10W | Core Size: BQ | Drilled By: Morissette

Grid No.: | Angle & Direction: -45° E | Elevation: | Logged By: B. Gaboury

PL.

INTERVAL FEET / (METRES)	DESCRIPTION
0 - 3.05	Casing (core recovered from 2.45 m)
2.45 - 9.19	Massive Andesite medium fine grained, dark green, practically untoliched; contains ~5% thin tensional qtz-carb. veinlets. Veinlets between 7.0 & 8.0 m have bleached alteration haloes; overall 1% py; majority of qtz veinlets have core angles of 45-50°; 8.0 - 9.19 ; rock is mottled & silicified.
9.19 - 26.73	Quartz - Feldspar Porphyry moderately to well silicified, bleached light greyish yellow to green; contains 10-20% vaguely discernible kaolinized feldspar phenocrysts up to 2mm wide, plus 10-20% rounded somewhat clear qtz phenocrysts up to several mm wide; contains bluish grey py-bearing qtz veins up to several tens of cm wide (these) have diffuse contacts & display a relict porphyritic texture with kaolinized feldspar phenocrysts (so these are more correctly termed intervals of silica flooding); "qtz veins" contain py as well as some hematite; overall ~1% py except in rock adjacent to "qtz veins" where py content increases, the rock also contains some thin chloritic py-bearing stringers of all possible orientations, some weak sericitization displayed on fracture surfaces; qtz veining & py mineralization decrease substantially below 23.01 m: 9.19 - 9.44; banded white to grey qtz vein with 7-10% medium grained dissem. py banding is parallel the upper contact and is oriented ~55° to core axis.

core SAMPLE RECORD								
FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.	
8.69	9.19	.50	2458	.20	1.30			
9.19	9.44	.25	2459	3.25	1.70			
9.44	10.04	.60	2460	.19	.2			
10.04	10.67	.63	2461	.22	.1			
10.67	11.22	.55	2462	.13	.2			
11.22	11.74	.52	2463	.19	.1			
11.74	12.24	.50	2464	.07	.1			
12.24	12.72	.48	2465	.21	.4			
12.72	13.29	.57	2466	.56	.3			
13.29	13.76	.47	2467	.03	.3			
13.76	14.17	.41	2468	.18	.2			
14.17	14.71	.54	2469	.02	.4			
14.71	15.17	.46	2470	.09	.2			
15.17	15.54	.37	2471	.27	.1			
15.54	15.82	.28	2472	.25	.7			
15.82	16.28	.46	2473	.18	.1			
16.28	16.70	.42	2474	.31	.3			
16.70	17.00	.30	2475	.30	.3			
17.00	17.72	.72	2476	.21	.2			
17.72	18.01	.29	2477	.29	.4			
18.01	18.48	.47	2478	.08	.6			
18.48	18.98	.50	2479	.22	.3			
18.98	19.43	.45	2480	.47	.2			
19.43	19.72	.29	2481	.99	.4	}	3.775	g/t / .50z
19.72	19.93	.21	2482	7.62	1.8			
19.93	20.59	.66	2483	.55	.3			
20.59	21.09	.50	2484	.05	.1			
21.09	21.62	.53	2485	.44	.2			
21.62	22.21	.59	2486	.89	.5			
22.21	22.40	.19	2487	1.18	.6			
22.40	23.01	.61	2488	.24	.4			
23.01	23.47	.46	2489	.10	.3			
23.47	64.90	41.43	waste					
64.90	65.40	.50	2490	.04	2.5			
65.40	65.80	.40	2491	.22	1.9			
65.80	66.09	.29	2492	1.38	1.6	}	1.102	g/t / 2.36z
66.09	66.50	.41	2493	.70	.9			
66.50	67.00	.50	2494	1.30	1.7			

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

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Property: BAG L. | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 1 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET/(METRES)	DESCRIPTION	Core SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
11.22 – 11.74 :	grey qtz vein with 1-3% fine to medium grained py ; weakly banded at ~ 62° to core axis.	67.00	67.50	.50	2495	.70	2.1		
		67.50	67.87	.37	2496	.15	2.3		
		67.87	68.16	.29	2497	2.96	2.7		
		68.16	68.40	.24	2498	.04	2.1		
11.74 – 12.24 :	~ 15% diffuse grey qtz veins up to ~5cm wide oienfed 45-65° to core axis . These contain 1-3% fine py.	68.40	68.67	.27	2499	.26	1.7		
		68.67	69.07	.40	2500	.10	1.9		
		69.07	69.41	.34	7751	.07	2.0		
		69.41	69.91	.50	7752	.01	2.4		
12.24 – 12.72 :	banded grey qtz vein with numerous cross-cutting fractures ; contains 1-2% fine py ; Upper CA ~ 35° lower CA ~ 55°	69.91	90.20	20.29	waste				
		90.20	90.70	.50	7753	.04	2.2		
		90.70	91.01	.31	7754	.41	2.5		
		91.01	91.51	.50	7755	.02	2.2		
		91.51	92.01	.50	7756	.05	2.3		
13.76 – 14.17 :	silicified interval with 1-2% py as silicious pyritic stringers up to 2mm wide with bluish grey silicious alteration halaes up to ~1 cm wide , CA's ~ 45°.	92.01	92.51	.50	7757	.02	2.1		
		92.51	93.01	.50	7758	.01	1.8		
		93.01	93.50	.49	7759	.01	2.1		
		93.50	94.00	.50	7760	.04	2.0		
		94.00	102.55	8.55	waste				
15.54 – 15.82 :	brecciated silicious mottled grey & yellowish interval with 1-2 % py.	102.55	103.05	.50	7761	.07	1.9		
		103.05	103.20	.15	7762	.01	1.8		
		103.20	103.70	.50	7763	.05	1.9		
		103.70	121.61	17.91	waste				
16.70 – 17.00 :	silicified bluish grey & yellowish mottled interval with minor cross-cutting pyritic stringers ; overall 1-2% fine py.	121.61	122.11	.50	7764	.10	1.8		
		122.11	122.32	.21	7765	.01	2.1		
		122.32	122.91	.59	7766	.01	2.3		
		122.91	123.37	.46	waste				
17.72 – 18.01 :	brecciated , silicified pink , bluish grey, dark grey & yellowish mottled interval with ~ 2% fine py ; includes two py stringers <1 mm wide at ~70° to core axis.	123.37	123.95	.58	7767	.01	1.7		
		123.95	124.28	.33	7768	.15	1.5		
		124.28	124.78	.50	7769	.52	1.7		
		124.78	130.28	5.50	waste				
		130.28	130.78	.50	7770	.01	1.8		
18.48 – 20.59 :	bluish grey to pinkish colored qtz vein with 20% wallrock inclusions ; generally moderately brecciated ; contains occassional thin chloritic (sometimes pyritic) stringers at steep (≥ 70°) core angles ; contains some clear narrow tensional qtz veinlets (no sulfides) at very shallow core angles (< 20°) plus others at steeper (40-60°) angles.	130.78	131.15	.37	7771	.10	1.2		
		131.15	131.52	.37	7772	.01	2.2		
		131.52	131.95	.43	7773	.01	1.8		
		131.95	132.50	.55	7774	.02	2.2		
		132.50	141.93	9.43	waste				
		141.93	142.43	.50	7775	.01	1.9		
		142.43	142.76	.33	7776	.02	2.0		
		142.76	143.23	.47	7777	.05	1.8		
		143.23	143.61	.38	7778	.24	2.0		

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

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Property BAG L. Project No. 512 Depth Date Began
Hole No. BAG 1 Co ord. Horizontal Length Date Completed
Claim No. Core Size Drilled By
Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	DESCRIPTION
	18.48 - 19.72 ; 1-2% fine to med. fine py.
	19.72 - 19.93 ; 6-8% py as stringers, blebs & fine to med. disseminations
	19.93 - 20.59 ; 1-2% med. fine to fine py ; banding at ~42° to core axis.
	20.59 - 21.09 : interval with 1-2% py in chloritic stringers with bluish grey qtz oriented at CA's near 0°.
	21.62 - 22.21 ; brecciated, silicified interval with bluish-grey silicic alteration haloes up to ~ 1 cm wide enveloping fractures (which exhibit varying core angles) ; overall ~ 1% fine py.
	22.21 - 22.40 ; brecciated, mottled pink to bluish grey qtz vein with 1-3% py as disseminations & in stringers at variable core angles; contains non-sulfide-bearing qtz veinlets at near 0° core angles.
	22.40 - 23.01 : ≤ 1% py in an interval containing 7-10% blue-grey "qtz veins" at CA's consistently near 50°. These veins consist of very thin py stringers in silicic envelopes up to 1 cm wide.
26.73 - 30.12	Altered Andesite mottled dark green, unsilicified, carbonatized andesite. This rock consists of patches of cream-colored patches of white silicic material in a dark chloritic groundmass which gives the rock a glomero-porphyritic texture ; contains occassional chloritic stringer (CA's of 35-45° to core axis), << 3% qtz veinlets (< 2mm wide), many of which have CA's of 35-45° but some are down to near 0°, overall

core SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
143.61	144.13	.52	7779	.01	2.1		
144.13	146.75	2.62	waste				
146.75	147.25	.50	7780	.01	2.2		
147.25	147.80	.55	7781	.01	1.9		
147.80	148.30	.50	7782	.01	2.2		
148.30	153.96	5.66	waste				
153.96	154.46	.50	7783	.04	2.0		
154.46	154.96	.50	7784	.01	1.7		
154.96	155.26	.30	7785	.01	1.8		
155.26	155.76	.50	7786	.01	1.6		
155.76	156.26	.50	7787	.01	2.3		
156.26	156.84	.58	7788	.06	1.8		
156.84	159.15	2.31	waste				
159.15	159.65	.50	7789	.05	1.6		
159.65	160.11	.46	7790	.01	2.0		
160.11	160.61	.50	7791	.10	.7		
160.61	160.96	.35	7792	.05	1.2		
160.96	161.46	.50	7793	.01	1.9		
161.46	172.18	10.72	waste				

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DIAMOND DRILL LOG

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Property BIG L. Project No. 512 Depth Date Began

Hole No. BAG 1 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/(METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	≤ 1% dissem. py ; rock is virtually unfoliated.								
30.12 - 48.49	Quartz - Feldspar Porphyry								
	reddish colored porphyry containing 10% rounded qtz phenocrysts ≤ 3 mm wide & 40-50% feldspar phenocrysts up to 8 mm wide as well as ~ 5% small white kaolinized feldspar phenocrysts, << 3% very narrow (≤ 1 mm) qtz veinlets (with bleached alteration haloes several mm wide) usually at ~ 80° to core axis ; rock is silicified & hematized:								
	34.33 - 35.05 ; minor fault zone ; green altered, fractured section with limonitization along fractures.								
	34.60 - 34.87 ; gravelly rubble								
	35.00 ; narrow clay seam.								
	38.19 - 38.77 ; unsilicified interval, kaolinized ; contains 10-15% fine irregular limonite clots:								
	38.36 - 38.50 ; rubbly interval with fine limonite-bearing red clay (minor fault)								
	41.09 - 41.14 ; blocky rubble								
	41.74 - 48.49 ; rock looses reddish color ; all other characteristics are unchanged. sharp lower contact at ~ 90° to core axis.								
48.49 - 98.40	Altered Andesite								
	similar to interval 26.73 - 30.12 ; contains numerous								

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DIAMOND DRILL LOG

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Property BAG L. Project No. 515 Depth Date Began

Hole No. BAG 1 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	chloritic wisps & stringers or "slips" up to several mm wide oriented at 40-50° to core axis; these may locally be cross-cut by fine tensional qtz veinlets (CA's ~50° in opposite direction to chloritic stringers); contains ≤ 1% py overall; the rock is mildly brecciated & contains 1-3% qtz veinlets as thin tensional fracture infillings with variable core angles. Lower contact is brecciated, sheared & epidotized:								
	56.00 - 56.38 : numerous chloritic stringers at ~80° to core axis.								
	65.40 - 69.41 : brecciated, bleached, light grey, silicified, mildly sheared interval with 30-40% white qtz veining & ~5% dissem. py, overall. There is a minor set of very narrow tensional qtz veinlets oriented at ~90° to shearing direction:								
	65.80 - 66.50 : white qtz - carb vein with 20-30% wallrock inclusions; some banded grey sections (these exhibit CA's of the order of 45°; 4-6% py as disseminations and stringers								
	67.87 - 68.16 : sheared qtz vein with 4-6% py & dissem-inations & thin stringers concordant with shearing (CA's ~45°)								
	68.40 - 68.70 : silicified interval with 30% qtz veins, 4-6% py as stringers concordant with shearing & qtz veins & as disseminations.								

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

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Property: BAG L | Project No.: 515 | Depth | Date Began
Hole No.: BAG 1 | Co ord. | Horizontal Length | Date Completed
Claim No. | | Core Size | Drilled By
Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	CA ~ 40°								
	90.28 - 93.50 ; brecciated, very mildly sheared interval with ≤ 1% py, tr po & ~ 5% qtz veinlets ;								
	90.70 - 91.01 ; moderately well sheared, contains small qtz - carb veinlets & 2 closely spaced 2 mm wide sheared dirty colored fine py bands at ~ 85° to core axis ; shearing varies from 45° to 80° to core axis.								
	93.07 - 93.50 ; moderately well sheared interval containing a 5cm wide white qtz vn at ~ 70° to core axis ; overall contains tr py & tr po.								
98.40 - 100.69	Quartz - Feldspar Porphyry mauve colored, somewhat silicified ; contains ~ 40% readily discernible feldspar phenocrysts up to several mm wide plus < 5% qtz phenocrysts. Also contains < 1% py ; practically no qtz veinlets. upper CA 45° lower CA 30°								
100.69 - 172.18	Gabbro medium coarse to coarse grained rock with ~ 50° chloritized matic minerals ; contains occassional irregular masses of cream colored carbonate plus ≤ 3% fine hairlike qtz veinlets (which near the upper contact are oriented ~ 90° to the QF porphyry - Gabbro								

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

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Property: BAG L | Project No.: 515 | Depth | Date Began
Hole No.: BAG 1 | Co ord. | Horizontal Length | Date Completed
Claim No. | | Core Size | Drilled By
Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	contact. The gabbro is slightly sheared near the upper contact, otherwise it is basically unfoliated. Occassional intervals of very mild brecciation & chloritization as well as occassional epidotized shears & fractures up to 2cm wide oriented ~45° to core axis:								
	103.05 - 103.15 ; sheared qtz vein at ~35° to core axis, peripheral chloritization to 20 cm of each side of this interval. No visible sulfide mineralization, small tensional qtz veinlets diverge at ~90° away from this vein.								
	108.10 - 108.16 ; minor sheared interval with qtz veinlets at ~75° to core axis.								
	120.80 - 121.40 ; brecciated interval with cream-colored irregular carb veins at ~0° to core axis; 5cm wide epidote band at ~20° to core axis at beginning of interval.								
	122.11 - 123.37 ; patchy shearing with bleaching & minor qtz veining:								
	122.11 - 122.32 ; mild shearing with ~1% py & tr. po. CA 45°								
	122.91 - 123.37 ; mild to moderately strong shearing, ~1% py, tr po CA 45°,								
	123.37 - 124.28 ; moderately well sheared; 20% qtz veinlet up to 3 cm wide, 2-3% py as dissemirations & stringers concordant with shearing (CA 240°)								
	130.78 - 131.95 ; bleached, brecciated & sheared interval with 20-25% qtz-carb veins (abundant coarse cream colored carb in veins)								

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GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property: BIG L | Project No.: 515 | Depth | Date Began
Hole No.: BAG 1 | Co ord. | Horizontal Length | Date Completed
Claim No. | | Core Size | Drilled By
Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET / (METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	overall < 1% py except:								
	131.15 - 131.52 : well-sheared silica flooded interval with 1-3% dissem. py & py stringers								
	139.25 - 142.43 : numerous unmineralized epidotized fractures & some hairlike qtz veinlets at 45-50° to core axis. Veinlets comprise < 3% of interval								
	142.43 - 143.61 : brecciated, sheared & bleached interval;								
	142.43 - 142.76 : brecciated; 2% dissem py, ~5% qtz-carb fracture infillings.								
	142.76 - 143.23 : bleached, sheared & mildly contorted with ~20% narrow qtz-py veinlets at all possible orientations (these were affected by the subsequent shearing), overall 3-5% py as dissemin-ations & stringers								
	143.23 - 143.61 : mild shearing & bleaching; 1-2% py overall.								
	147.25 - 147.80 : mildly to moderately well sheared interval with 5-8% qtz veinlets up to 1cm wide plus ~5% dissem py.								
	149.00 - 152.40 : abundant hairlike epidotized fractures oriented ~55° to core axis.								
	154.46 - 156.26 : mildly sheared interval:								
	154.46 - 155.26 : bleached & silicified; 10-15% qtz veinlets up to ~1cm wide, 1-2% py.								

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property: BAG L. | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 1 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET/(METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	155.26 - 155.76 ; very bleached, silica flooded, unsheared, tr py.								
	155.76 - 156.26 ; unbleached, unsilicified, slightly sheared, 1-2% py.								
	160.11 - 160.96 ; moderately well brecciated, sheared & silicified interval with 20-30% irregular white & greenish qtz veinlets (white ones are concordant with shearing whereas greenish ones have variable CA's) ; < 1% py.								
172.18	End of Hole — Hole uncemented/casing removed.								
	Acid test 111.23 m ; 33°, Acid test 169.14 m ; 31°								
	Core Angles								
	9.30 m ; 55° banding // contact								
	11.45 m ; 62° banding.								
	26.73 m ; 50° contact.								
	68.00 m ; 45° shearing								
	68.50 m ; 40° shearing // qtz veins								
	131.15 m ; 45° shearing								
	122.20 m ; 45° shearing								
	123.00 m ; 45° shearing								
	123.95 m ; 40° shearing.								
	143.50 m ; 70° irregular shearing.								
	147.25 m ; 45° shearing.								
	156.20 m ; 43° shearing.								
	160.61 m ; 30° shearing.								

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property: BHG L. Project No. 515 Depth: Date Began:

Hole No. BHG 1 Co ord. Horizontal Length: Date Completed:

Claim No. Core Size: Drilled By:

Grid No. Angle & Direction: Elevation: Logged By:

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD (sludge)								
		FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.	
		0	7.62	7.62	no	sludge	recovery			
		7.62	10.67	3.05	8897	.62	1.6			
		10.67	13.71	3.04	8898	.33	1.2			
		13.71	16.76	3.05	8899	.18	.9			
		16.76	19.81	3.05	8900	.80	2.5			
		19.81	22.86	3.05	8901	.05	.7			
		22.86	25.90	3.04	8902	1.34	1.8			
		25.90	28.95	3.05	8903	.10	1.6			
		28.95	32.00	3.05	8904	.01	1.0			
		32.00	35.05	3.05	8905	.04	.8			
		35.05	38.09	3.04	8906	.20	.5			
		38.09	41.14	3.05	8907					
		41.14	44.19	3.05	8908	.01	1.7			
		44.19	47.24	3.05	8909	.01	1.4			
		47.24	56.38	9.14	8910	.20	2.0			
		56.38	65.52	9.14	8912	.01	.9			
		65.52	74.66	9.14	8913	.25	1.3			
		74.66	83.81	9.15	8914	.02	2.7			
		83.81	92.95	9.14	8915					
		92.95	102.09	9.14	8916	.01	2.2			
		102.09	123.42	21.38	8917	.17	1.9			
		123.42	135.61	12.19	8918	.02	7.6			
		135.61	147.80	12.19	8919	.18	1.5			
		147.80	159.99	12.19	8920	.01	1.8			
		159.99	169.14	9.15	8921	.10	2.1			
		169.14	172.18	3.04	sample lost.					

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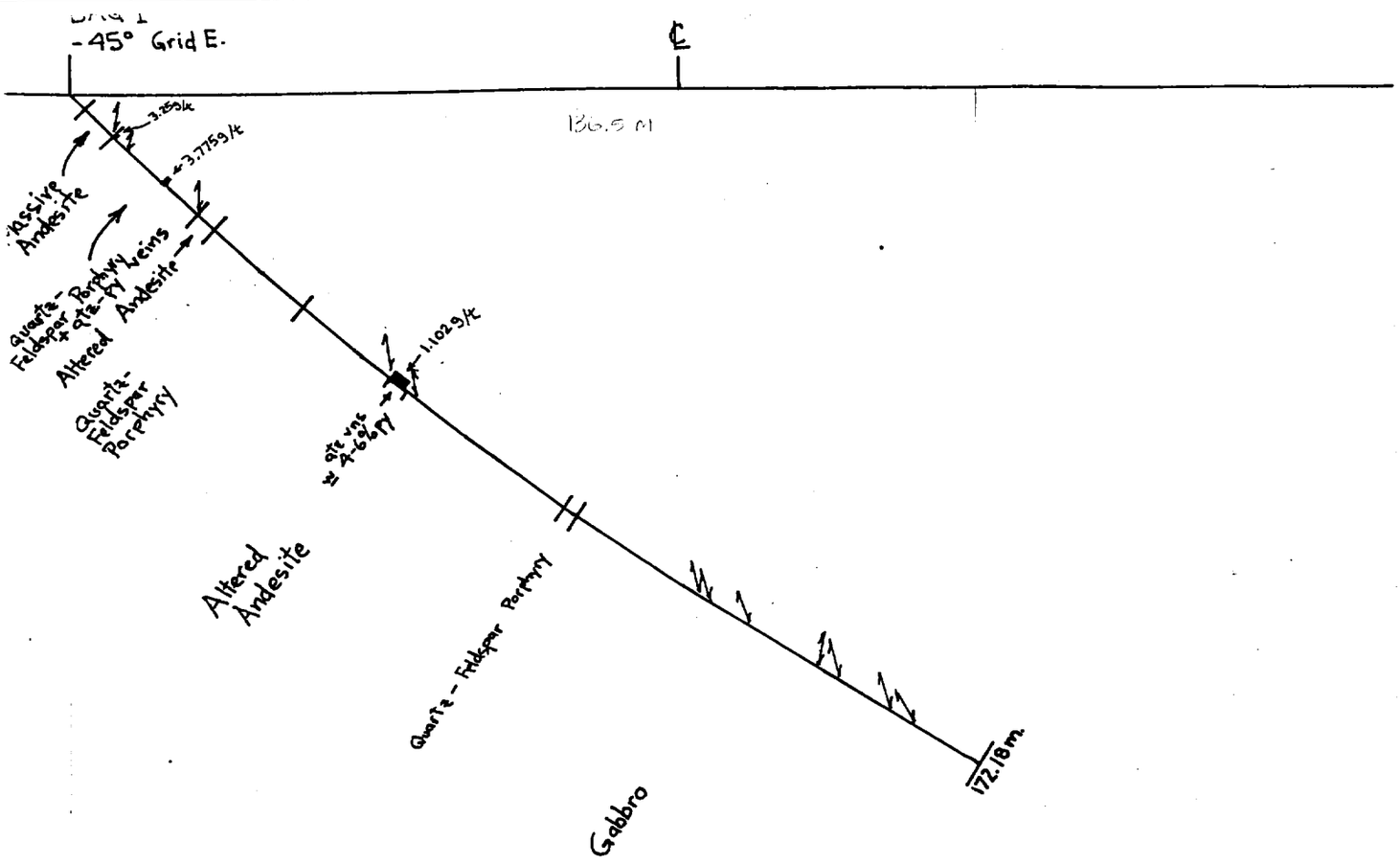

GRANGES EXPLORATION LTD.
BAG L. OPTION
Project 515
Section 0+20 S / 0+10 W
Scale 1:1000
Looking Grid N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property: BAG L. | Project No.: 215 | Depth: 120.38 m | Date Began: FEB 7, 1988

Hole No.: BAG 2 | Co ord.: 1+07 S | Horizontal Length: 92.5 M | Date Completed: FEB 9, 1988

Claim No.: 882188 | 0+75E | Core Size: BQ | Drilled By: Morissette

Grid No.: | Angle & Direction: -45° Grid E | Elevation: | Logged By: B. Gabaury

PL.

INTERVAL FEET/(METRES)	DESCRIPTION
0 - 3.05	Casing (core recovery from 1.60 m)
1.60 - 58.20	Gabbro
	medium coarse to coarse grained intrusive with ~50% chloritized matic minerals up to several mm in diameter in a light, greenish grey feldspathic groundmass; relatively unfoliated; generally < 1% py & < 3% thin qtz veinlets:
	4.07 - 4.57 ; very mildly sheared, contorted & carbonatized section with thin py stringers at 0 - 25° to core axis; overall 1 - 3% py.
	6.70 ; ~ 5cm wide pebbly interval
	11.65 ; 2mm wide sheared py stringer at ~15° to core axis
	11.75 ; 1-2 mm wide sheared py stringer at ~15° to core axis.
	15.38 - 16.76 ; somewhat bleached interval with narrow (≤ 1cm wide) silicified pyritic shears with tr po generally oriented at 30 - 40° to core axis; these comprise 5-8 % of interval.
	34.15 - 34.30 ; rubbly interval with clayey gouge.
	34.30 - 38.35 ; very slightly bleached interval with very mild shearing; < 3% qtz veining & < 1% py.
	38.35 - 38.95 ; moderately well sheared & bleached interval with 10 - 15% thin qtz veinlets; somewhat silicified; contains ~ 1% py as fine disseminations & thin stringers parallel to foliation.

Core SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	3.05	3.05	casing	(no	samples)		
3.05	3.57	.52	waste				
3.57	4.07	.50	7794	.02	2.4		
4.07	4.57	.50	7795	.01	.8		
4.57	5.07	.50	7796	.03	1.7		
5.07	11.07	6.00	waste				
11.07	11.57	.50	7797	.04	1.6		
11.57	11.89	.32	7798	.01	1.1		
11.89	12.39	.50	7799	.01	.9		
12.39	14.88	2.49	waste				
14.88	15.38	.50	7800	.01	1.2		
15.38	15.67	.29	7801	.10	2.2		
15.67	16.17	.50	7802	.01	1.9		
16.17	16.76	.59	7803	.01	2.0		
16.76	17.26	.50	7804	.01	1.8		
17.26	37.85	20.59	waste				
37.85	38.35	.50	7805	.02	2.1		
38.35	38.95	.60	7806	.07	2.2		
38.95	39.45	.50	7807	.08	1.9		
39.45	43.04	3.59	waste				
43.04	43.54	.50	7808	.01	2.3		
43.54	43.92	.38	7809	1.61	1.8		
43.92	44.19	.27	7810	.63	1.9		
44.19	44.87	.68	7811	.02	1.7		
44.87	45.37	.50	7812	.01	1.8		
45.37	49.68	4.31	waste				
49.68	50.10	.42	7813	.01	2.0		
50.10	50.23	.13	7814	.02	2.1		
50.23	50.73	.50	7815	.01	2.2		
50.73	51.15	.42	7816	.05	2.1		
51.15	51.53	.38	7817	.20	1.9		
51.53	51.96	.43	7818	3.42	1.8		
51.96	52.46	.50	7819	.27	1.9		
52.46	54.40	1.94	waste				
54.40	54.90	.50	7820	.02	1.7		
54.90	55.30	.40	7821	.08	1.6		
55.30	55.53	.23	7822	.25	1.9		
55.53	55.73	.20	7823	.01	1.8		
55.73	56.23	.50	7824	.06	1.9		
56.23	82.28	26.05	waste				

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property: BAG L. | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 2 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET/~~METRES~~	DESCRIPTION
39.85 - 40.35	minor fault ; blocky, rubbly interval which includes a 10 cm wide section of pebbly clay gouge.
43.54 - 43.92	bleached, moderately well sheared, brecciated interval with ~1% py, silicified
43.92 - 44.87	10-15% anastomosing sheared qtz veins, with chloritic selvages, oriented 0-15° to core axis ; no visible sulfides.
50.10 - 50.23	mildly sheared, bleached interval ; no visible sulfides.
50.23 - 51.53	somewhat bleached, unsheared, ~1% py+po
51.53 - 51.96	bleached, sheared, silicified interval with 3-5% py as dissemimtions & stringers concordant with shearing
54.90 - 58.20	mildly to moderately well sheared & chloritized ; no visible sulfides. except:
55.30 - 55.53	2-3% py in sheared qtz-carb vein ; some cross-cutting sigmoidal tensional qtz veinlets oriented 90° to qtz vein ; CA (vein) = 35°.
58.20 - 63.07	Quartz - Feldspar Porphyry mottled grey ; contains 5-10% qtz phenocrysts up to 3mm dia. and 40-50% very diffuse greenish feldspar phenocrysts up to several mm dia ; << 1% fine dissem. py & << 3% qtz veining ; rock also contains ~5% smaller chalky kaolinized feldspar phenocrysts ; mildly brecciated near bottom contact.

core SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
82.28	82.76	.48	7825	.02	2.1		
82.76	83.24	.48	7826	.03	1.6		
83.24	83.72	.48	7827	.01	2.1		
83.72	120.38	36.66	waste				
120.38		EOH					

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Page 3 of 4

Property: BAG L. | Project No.: 515 | Depth | Date Began
Hole No.: BAG 2 | Co ord. | Horizontal Length | Date Completed
Claim No. | | Core Size | Drilled By
Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET (METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
63.07 - 120.38	Massive Andesite								
	green, medium fine grained, ≤ 3% fine tensional qtz veinlets (oriented 40-60° to core axis near top of section); occassional intervals of mild brecciation where qtz veining (fracture infillings at varying core angles) increase to near 5%; overall ≤ 1% fine dissem py:								
	81.76 - 82.24 : 30% sheared qtz veins with no visible sulfides; oriented ~ 20-30° to core axis.								
	83.35 - 87.90 : occassional thin qtz veinlet oriented ~ 40° to core axis.								
	87.90 - 90.85 : Dacite band; greyish somewhat more silicic band otherwise similar to enveloping andesite; bottom contact is sharp with CA = 40°.								
120.38	End of Hole — hole uncemented, casing removed. Acid test 120.38m: 34°								
	Core Angles								
	36.00 m : 45° shearing								
	38.60 m : 45° shearing								
	38.95 m : 63° shearing								
	43.70 m : 70° shearing (irregular & contorted)								
	51.80 m : 45° shearing // qtz veinlets.								
	55.00 m : 33° shearing								
	90.85 m : 40° contact								

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GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 4 of 4

Property: BAG L. | Project No.: 515 | Depth: | Date Began:

Hole No.: BAG 2 | Co ord.: | Horizontal Length: | Date Completed:

Claim No.: | | Core Size: | Drilled By:

Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET/METRES	DESCRIPTION	sludge SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au oz/t	Ag oz/t	Cu.	Zn.
		0	7.62	7.62	8922	.01	2.4		
		7.62	10.67	3.05	8923	.01	2.3		
		10.67	13.71	3.04	8924	.01	2.0		
		13.71	16.76	3.05	8925	.02	1.1		
		16.76	19.81	3.05	8926	.04	1.3		
		19.81	22.86	3.05	8927	.01	.6		
		22.86	25.90	3.04	8928	.01	1.8		
		25.90	28.95	3.05	8929	.20	.7		
		28.95	32.00	3.05	8930	.02	1.6		
		32.00	35.05	3.05	8931	.01	1.3		
		35.05	38.09	3.04	8932	.42	1.8		
		38.09	41.14	3.05	8933	.04	2.2		
		41.14	44.19	3.05	8934	.25	2.5		
		44.19	47.24	3.05	8935	.03	3.6		
		47.24	50.28	3.04	8936	.24	7.8		
		50.28	53.33	3.05	8937	.08	2.1		
		53.33	56.38	3.05	8938	.20	2.4		
		56.38	59.43	3.05	8939	.01	1.9		
		59.43	62.47	3.04	8940				
		62.47	65.52	3.05	8941				

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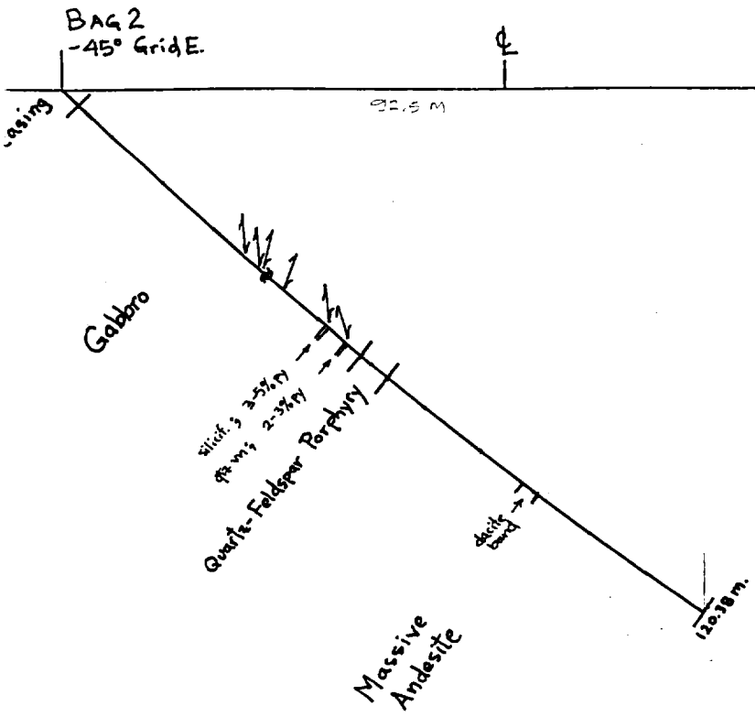

GRANGES EXPLORATION LTD.

BAG L. OPTION

Project 515

Section 1+07 S / 0+75 E

Scale 1:1000

Looking Grid N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 4

Property: BAG L. | Project No.: 515 | Depth: 99.04 m | Date Began: FEB 10, 1988

Hole No.: BAG 3 | Co ord.: 2+00 S | Horizontal Length: [illegible] | Date Completed: FEB 11 1988

Claim No.: 882189 | 1+38 E | Core Size: BQ | Drilled By: Morissette

Grid No.: | Angle & Direction: -55° Grid E | Elevation: | Logged By: B. Gaboury

INTERVAL FEET (METRES)	DESCRIPTION
0 - 3.05	Casing (core recovery from 1.05 m)
1.05 - 18.00	Massive Andesite dark green, medium fine grained, unfoliated; contains ≤ 2% qtz veinlets (generally ≤ 1mm wide) & ≤ 1% fine dissem. py
18.00 - 21.74	Feldspar Porphyry fairly dark grey porphyry with 50-60% white feldspar phenocrysts up to 3mm dia. plus ~ 3-5% irregular black mafic (hornblende?) phenocrysts up to 2mm in dia., ≤ 1% fine py, almost no qtz veining, weakly to non foliated. upper contact CA 35° lower contact CA 42°
21.74 - 75.90	Massive Andesite same as interval 1.05 - 18.00 m. 25.90 - 51.18 ; weakly brecciated with ≤ 3% irregular tensional qtz veinlets ≤ 1cm wide of variable CA's. Degree of brecciation decrease again below 51.18. 41.14 - 41.30 ; blocky, rubbly 42.24 - 42.60 ; minor fault, blocky rubbly interval with a 1-2 cm wide clay seam at 70-80° to core axis. 45.42 - 45.61 ; well brecciated,

core SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	3.05	3.05	casing				
3.05	44.92	41.87	waste				
44.92	45.42	.50	7828	.02	1.8		
45.42	45.61	.19	7829	.01	2.3		
45.61	46.11	.50	7830	.01	2.1		
46.11	46.47	.36	7860				
46.47	46.97	.50	7831	.01	1.9		
46.97	47.16	.19	7832	.22	2.0		
47.16	47.66	.50	7833	.02	1.9		
47.66	49.28	1.62	waste				
49.28	49.78	.50	7834	.03	1.7		
49.78	50.12	.34	7859				
50.12	50.52	.40	7835	.02	1.8		
50.52	50.91	.39	7836	.01	2.0		
50.91	51.18	.27	7837	.02	1.8		
51.18	51.68	.50	7838	.02	1.9		
51.68	78.53	26.85	waste				
78.53	78.83	.30	7839	.01	1.2		
78.83	79.26	.43	7840	.03	.6		
79.26	79.46	.20	7841	.19	.5		
79.46	79.96	.50	7842	.18	1.2		
79.96	80.46	.50	7843	.21	1.3		
80.46	80.96	.50	7844	.04	1.1		
80.96	81.46	.50	7845	.02	.6		
81.46	82.00	.54	7846	.01	.2		
82.00	82.61	.61	7847	.02	.5		
82.61	83.11	.50	7848	.09	.3		
83.11	83.50	.39	7849	.02	.2		
83.50	83.81	.31	7850	.03	1.3		
83.81	84.31	.50	7851	.01	1.1		
84.31	87.33	3.02	waste				
87.33	87.83	.50	7852	.04	1.4		
87.83	88.33	.50	7853	.05	1.2		
88.33	88.83	.50	7854	.13	2.1		
88.83	89.05	.22	7855	.47	1.3		
89.05	89.55	.50	7856	.01	1.8		
89.55	90.05	.50	7857	.02	1.0		
90.05	90.55	.50	7858	.01	1.3		
90.55	99.04	8.49	waste				
99.04		EOH					

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GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property BAG L. Project No. 515 Depth Date Began

Hole No. BAG 3 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET (METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	silicified interval with 1-2% py overall.								
	46.97 - 47.16 : brecciated, bleached, slightly sheared & silicified, tr - 1% py								
	49.78 - 50.12 : brecciated, bleached, sheared; contains 20 - 30% qtz veining, tr py + cpy, veins // shearing.								
	50.91 - 51.18 : brecciated, bleached, sheared; contains ~40% broken qtz veins concordant with shearing, tr - 1% py								
75.90 - 79.26	Andesitic to Dacitic Ash Tuff.								
	greyish medium fine to medium grained, very weakly foliated, 2 3% qtz veinlets up to ~ 1 cm wide at variable CA's, lighter grey volc fragments range up to ~ 5mm dia, overall 1-2% py; becomes more silicified toward bottom of interval.								
79.26 - 80.46	Intrusive Breccia.								
	rock composed of 50 - 60% light colored (bleached Andesite or dacite) volcanic fragments plus ~ 20% qtz vein fragments in a light greenish grey fine grained pyritic groundmass; overall 3-5% very fine to medium fine disseminated py.								
80.46 - 83.61	Feldspar Porphyry								
	light greenish porphyry containing 40 - 60% cream colored feldspar phenocrysts up to several mm dia., <1% py overall; contains ~ 5% fine tensional qtz veinlets of varying CA's due to brecciated nature of this rock.								

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property BAG L. Project No. 515 Depth Date Began

Hole No. BAG 3 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
83.61 - 90.65	Massive Andesite.								
	light grey green to dark grey green, medium fine grained; contains ≤ 1% py & ≤ 3% fine qtz veinlets at variable CA's, generally mildly silicified:								
	87.83 - 89.05 ; silicified, numerous silicious veinlets at ~45° to core axis (some with py); overall ~1% py except 88.83 - 89.05 ⇒ 1-2% py.								
	89.55 - 90.05 ; moderately well brecciated; ~5% fine qtz veinlets, ≤ 1% py.								
90.65 - 96.26	Feldspar Porphyry								
	similar to 80.46 - 83.61 except it is not brecciated; contains << 2% qtz veining & <1% py.								
96.26 - 99.04	Massive Andesite								
	similar to 83.61 - 90.65; brecciated near upper contact with porphyry, but brecciation diminishes downhole.								
99.04	End of Hole — hole uncemented, casing removed.								
	Core Angles								
	20.75 m ; 60° weak shearing								
	47.05 m ; 35° shearing								
	50.00 m ; 30° shearing								
	51.00 m ; 30° shearing								
	79.26 m ; 20° contact								
	80.46 m ; 5° contact								
	90.65 m ; 70° contact.								
	96.26 m ; 80°-90° contact.								

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 4 of 4

Property BAG L. Project No. 515 Depth Date Began

Hole No. BAG 3 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	DESCRIPTION	sludge SAMPLE RECORD								
		FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.	
		0	13.71	13.71	8942	.03	5.7			
		13.71	16.76	3.05	8943	.02	2.3			
		16.76	19.81	3.05	8944	.17	1.2			
		19.81	22.86	3.05	8945	.04	5.9			
		22.86	25.90	3.04	8946	.02	1.8			
		25.90	28.95	3.05	8947	.03	2.1			
		28.95	32.00	3.05	8948	.02	2.0			
		32.00	35.05	3.05	8949	.01	2.1			
		35.05	38.09	3.04	8950	.02	1.9			
		38.09	41.14	3.05	8951	.01	1.8			
		41.14	44.19	3.05	8952	.03	2.0			
		44.19	47.24	3.05	8953	.03	2.1			
		47.24	50.28	3.04	8954	.02	1.7			
		50.28	53.33	3.05	8955	.01	1.3			
		53.33	56.38	3.05	8956	.01	1.9			
		56.38	59.43	3.05	8957	.02	2.1			
		59.43	62.47	3.04	8958	.03	1.8			
		62.47	65.52	3.05	8959	.01	2.0			
		65.52	68.57	3.05	8960	.02	1.6			
		68.57	71.62	3.05	8961	.03	1.9			
		71.62	74.66	3.04	8962	.02	1.8			
		74.66	77.71	3.05	8963	.02	1.9			
		77.71	80.76	3.05	8964	.18	1.6			
		80.76	83.81	3.05	8965	.02	.8			
		83.81	86.85	3.04	8966	.11	1.2			
		86.85	89.90	3.05	8967	.04	1.9			
		89.90	92.95	3.05	8968	.37	1.3			
		92.95	96.00	3.05	8969	.16	.8			
		96.00	99.04	3.04	8970	.02	1.7			

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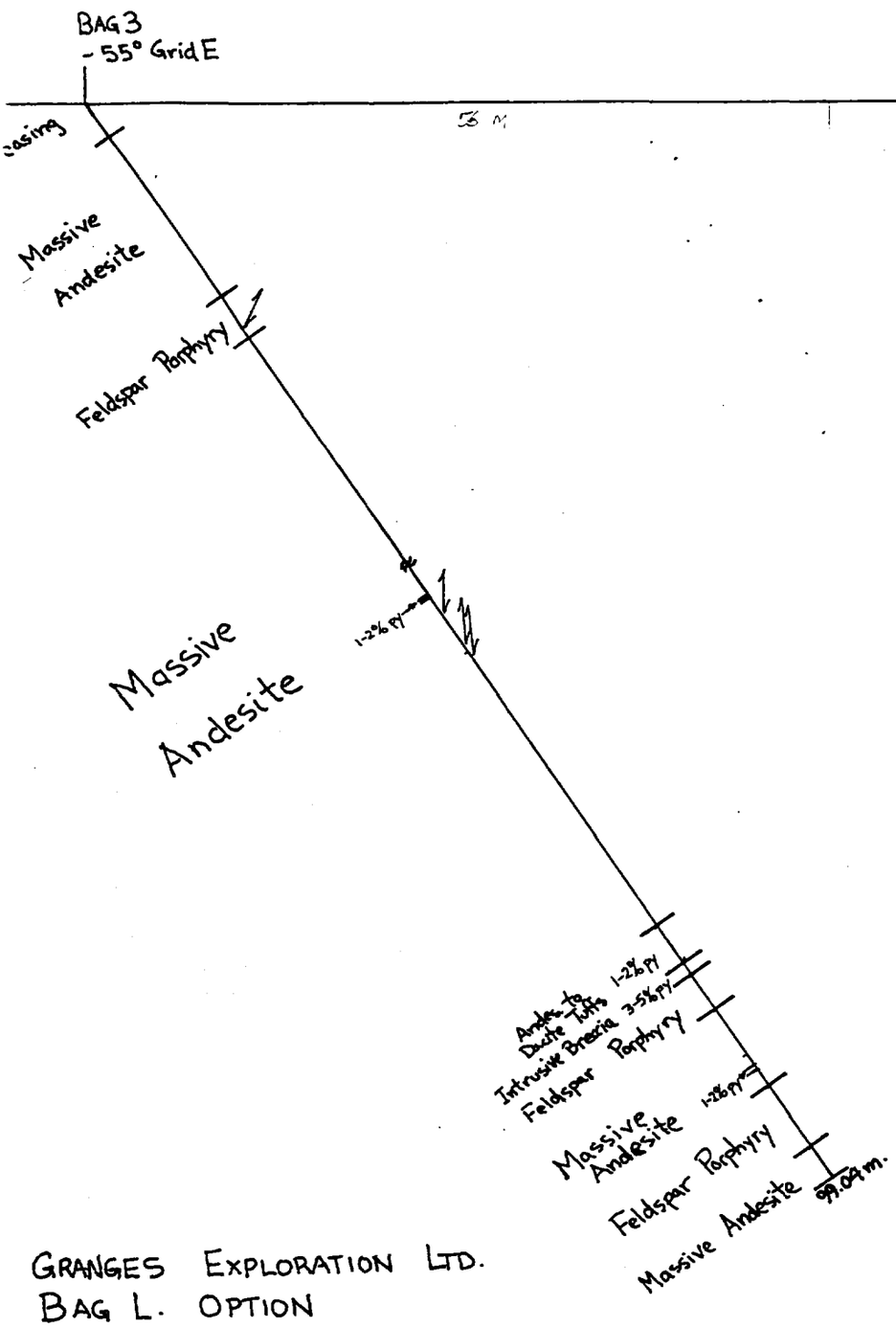

GRANGES EXPLORATION LTD.
BAG L. OPTION
Project 515
Section 2+00S / 1+38E
Scale 1:500
Looking Grid N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 6

Property: BAG L | Project No.: 512 | Depth: 117.33 m | Date Began: FEB 12, 1988
Hole No.: BAG 4 | Co ord.: 2+00 S | Horizontal Length: [illegible] | Date Completed: FEB 13, 1988
Claim No.: 882190 | 0+95W | Core Size: BQ | Drilled By: Morissette
Grid No.: | Angle & Direction: -55° Grid E | Elevation: | Logged By: B. Gaboury

PL.

INTERVAL FEET / (METRES)	DESCRIPTION
0 - 3.66	Casing (core recovered from 3.55 m)
3.55 - 21.72	Massive Andesite green, medium fine grained, generally unfoliated (with the exception of localized mildly foliated sections); contains 3-5% irregular tensional qtz veinlets up to ~1 cm wide at varying CA's giving the rock an appearance of mild brecciation, overall < 1% py; 3.55 - 4.47 ; weak foliation 7.92 - 8.22 ; weak foliation 16.31 - 18.40 ; mildly foliated.
21.72 - 22.86	FAULT ZONE ; blocky, rubbly andesite plus pebbly clayey green gouge.
22.86 - 63.47	Altered Andesite mottled green, medium fine grained, basically unfoliated rock which contains splotchy white silicic patches such as those encountered in the "altered andesites" encountered in BAG 1 (appears glomeroporphyritic); the rock also contains patchy epidotization and occassional chloritic stringers with no preferred orientation (except in foliated sections); contains ± 3% qtz veinlets up to 2mm wide (many are oriented ~ 55° to core axis near the top of the interval, otherwise they exhibit variable CA's); contains < 1% py; 27.93 - 32.00 ; mildly to moderately well foliated interval: 29.20 - 29.42 ; 3% py as disseminations & stringers concordant with foliation

core SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
0	3.66	3.66	casing				
3.66	28.70	25.04	waste				
28.70	29.20	.50	7861	.02	1.6		
29.20	29.42	.22	7862	4.24	2.0		
29.42	29.92	.50	7863	.05	1.8		
29.92	42.16	12.24	waste				
42.16	42.66	.50	7864	.03	.6		
42.66	42.89	.23	7865	.02	1.5		
42.89	43.40	.51	7866	.16	.3		
43.40	43.90	.50	7867	.04	1.1		
43.90	43.98	.08	7868	1.81*	3.5		
43.98	44.48	.50	7869	.01	.7		
44.48	48.19	3.71	waste				
48.19	48.69	.50	7870	.03	1.4		
48.69	49.01	.32	7871	8.69	1.2		
49.01	49.51	.50	7872	.09	1.8		
49.51	111.47	61.96	waste				
111.47	111.97	.50	7873	.02	.2		
111.97	112.38	.41	7874	.07	.3		
112.38	112.88	.50	7875	.02	.2		
112.88	117.33	4.45	waste				
117.33		EOH					

* METALLIC GOLD

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DIAMOND DRILL LOG

Property: BAG L. | Project No.: 515 | Depth | Date Began
Hole No.: BAG 4 | Co ord. | Horizontal Length | Date Completed
Claim No. | | Core Size | Drilled By
Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET / (METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	42.66 - 42.89 ; sheared silicic vein with chloritic selvages plus coarse irregular blebs of py ; CA ~ 25°								
	43.90 - 43.98 ; sheared silicic vein similar to 42.66 - 42.89 ; contains a 2 - 5 mm wide massive band of py + cpy ; CA ~ 25°.								
	48.69 - 49.01 : brecciated, sheared, contorted & silicified interval with a 5 cm wide irregular qtz - chl - py vein at ~ 50° to core axis ; interval contains 2 - 4 % dissem. py overall.								
	49.51 - 63.47 ; degree of alteration decreases & rock begins to look like the massive andesite at the top of the hole.								
63.47 - 74.17	Porphyritic Dacite olive colored, very fine grained silicious dacite with ~ 10% feldspar phenocrysts up to several mm in dia. ; < 1% py & 3-5% barren grey qtz veinlets, up to 3 cm wide at CA's varying from 20 - 70° ; rock is unfoliated.								
74.17 - 79.13	Altered Andesite similar to interval 22.86 - 63.47 m ; < 1% py, < 2% qtz veinlets ; 74.90 ; 5 mm wide chloritic shear at ~ 20° to core axis 75.46 ; 1 cm wide chloritic shear at 20° to core axis 77.70 - 78.25 ; very mildly foliated.								

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GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property BAG L. Project No. 515 Depth Date Began

Hole No. BAG 4 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
79.13 - 88.88	Porphyritic Dacite same as interval 63.47 - 74.17 m, mildly brecciated sections with a haphazard system of fine tensional qtz veinlets. Last 2.0 m is silicified but there are no visible sulfides.								
88.88 - 109.95	Altered Andesite same as 22.86 - 63.47 m, "glomeroporphyritic - like" texture is not a prominent but the rock has patchy epidotization and narrow chloritic stringers & shears; this rock has 2-4% large fractured & partially deteriorated cream colored feldspar phenocrysts up to 1cm wide in addition to the cream colored patches which give the rock its "glomeroporphyritic - like" texture: 88.88 - 93.45 ; mildly brecciated & sheared; <1% py & 5-8% tensional qtz veinlets up to ~1cm wide at all possible CA's. The degree of brecciation decreases below this interval. 97.50 - 98.10 ; several short chloritized, sheared sections (≤2cm wide) at ~40°-50° to core axis; no visible sulfides.								
109.95 - 114.52	Dacite Fine grained olive to greyish colored silicic rock similar to the porphyritic dacite between 63.47 - 74.17 m except for the lack of phenocrysts; <1% py, <2% qtz veining: 111.97 - 112.38 ; very silicified, silica flooded greyish interval with no visible sulfides.								

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Page 4 of 5

Property BAG L. Project No. 515 Depth Date Began
Hole No. BAG 4 Co ord. Horizontal Length Date Completed
Claim No. Core Size Drilled By
Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET / METRES	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
114.52 - 117.33	Altered Andesite same as 22.86 - 63.47 m ; very mildly sheared; contains chloritic stringers somewhat concordant with foliation.								
117.33	End of Hole Hole uncemented casing left in hole.								

Core Angles

3.97 m	52°	fol
7.97 m	47°	fol
16.75 m	45°	fol
22.95 m	42°	fol
29.40 m	40°	fol
42.75 m	25°	chlor. shear.
59.00 m	37°	fol
63.47 m	12.5°	Contact.
74.17 m	24°	contact.
74.90 m	20°	chlor. shear
75.46 m	20°	chlor. shear.
78.01 m	35°	fol.
89.00 m	30°	fol.
93.40 m	30°	fol.
115.80 m	32°	weak fol.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

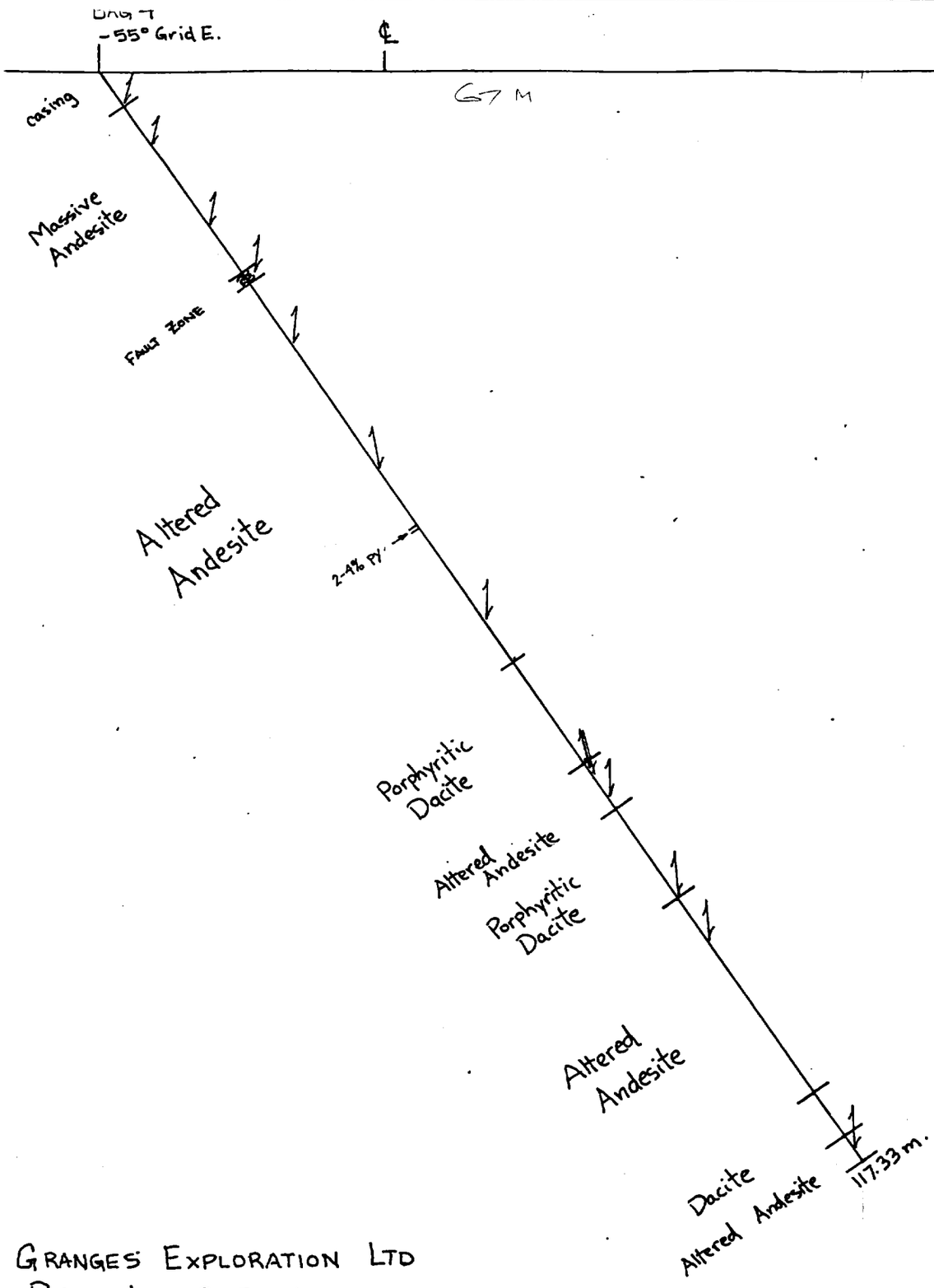
Property BAG L Project No. 515 Depth Date Began

Hole No. BAG 4 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET/METRES	DESCRIPTION	SLUDGE SAMPLE RECORD								
		FROM	TO	WIDTH	SAMPLE	Au. g/t	Ag. g/t	Cu.	Zn.	
		0	4.57	no	sludge	recovery				
		4.57	7.62	3.05	8971	.02	5.8			
		7.62	10.67	3.05	8972	.01	2.5			
		10.67	13.71	3.04	8973	.12	3.8			
		13.71	16.76	3.05	8974	.04	1.8			
		16.76	19.81	3.05	8975	.33	4.4			
		19.81	22.86	3.05	8976	.02	2.1			
		22.86	25.90	3.04	8977	.03	2.7			
		25.90	28.95	3.05	8978	.02	2.2			
		28.95	32.00	3.05	8979	.59	2.1			
		32.00	35.05	3.05	8980	.07	1.6			
		35.05	38.09	3.04	8981	.08	3.0			
		38.09	41.14	3.05	8982	.14	1.8			
		41.14	44.19	3.05	8983	.09	1.0			
		44.19	47.24	3.05	8984	.23	1.4			
		47.24	50.28	3.04	8985	.94	1.8			
		50.28	53.33	3.05	8986	.10	.9			
		53.33	56.38	3.05	8987	.39	1.8			
		56.38	59.43	3.05	8988	.05	3.3			
		59.43	62.47	3.04	8989	.42	2.7			
		62.47	65.52	3.05	8990	.13	1.7			
		65.52	68.57	3.05	8991	.04	3.8			
		68.57	71.62	3.05	8992	.02	.9			
		71.62	74.66	3.04	8993	.05	1.2			
		74.66	77.71	3.05	8994	.03	1.7			
		77.71	80.76	3.05	8995	.07	1.8			
		80.76	83.81	3.05	8996	.03	5.6			
		83.81	86.85	3.04	8997	.14	8.1			
		86.85	89.90	3.05	8998	.08	1.5			
		89.90	92.95	3.05	8999	.02	3.8			
		92.95	96.00	3.05	9000	.06	16.7			
		96.00	99.04	3.04	9001	.01	374.0			
		99.04	102.09	3.05	9002	.02	1.8			
		102.09	105.14	3.05	9003	.02	1.9			
		105.14	108.19	3.05	9004	.08	1.2			
		108.19	111.23	3.04	9005	.02	1.4			
		111.23	114.28	3.05	9006	.03	2.0			



GRANGES EXPLORATION LTD
BAG L. OPTION
Project 515
Section 2+00 S / 0+95W
Scale 1:500
Looking Grid N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 2

Property BAG L. Project No. 515 Depth 102.09 m Date Began FEB 15, 1988

Hole No. BAG 5 Co ord. 10+00S Horizontal Length [illegible] Date Completed FEB 16, 1988

Claim No. 100 3407 2+20 E Core Size BQ Drilled By Morissette

Grid No. Angle & Direction -55° Grid E. Elevation Logged By B. GABOURY

INTERVAL FEET / METRES	DESCRIPTION
0 - 3.67	Casing (core recovery from 3.04 m)
3.04 - 102.09	Massive Andesite.
	fine to medium fine grained, green; contains <1% py & <3% qtz veinlets (<1 mm wide) at variable core angles; weakly to usually non-foliated:
	12.67 - 13.70 : rubbly
	12.90 - 13.05 : fractured, blocky, rubbly ground.
	13.60 - 13.71 : blocky, rubbly.
	13.71 - 37.00 : dark green, finer grained; contains 3-5% qtz veining (as fracture infillings containing cream-colored carb.), ≤1% py; locally porphyritic (contains intervals with 10% small chloritic mafic phenocrysts up to 2 mm wide), generally mildly brecciated:
	13.96 - 14.20 : fractured, blocky & rubbly; contains one semi-healed fracture at ~20° to core axis.
	19.75 : ~3 cm wide incipient shear (epidotized) at ~20° to core axis.
	25.55 - 25.70 : brecciated, somewhat sheared, epidotized; no visible sulfides.
	39.40 - 42.55 : medium fine grained, 5-10% qtz veining, ≤1% py+po, very weak foliation.

Core SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	3.04	casing	(no core recovery)				
3.04	38.90	35.86	waste				
38.90	39.40	.50	7876	.16	2.2		
39.40	39.57	.17	7877	.14	1.8		
39.57	40.07	.50	7878	.03	2.0		
40.07	40.57	.50	7879	.06	2.1		
40.57	40.73	.16	7880	.56	1.7		
40.73	41.23	.50	7881	.01	2.0		
41.23	41.75	.52	7882	.01	2.0		
41.75	41.90	.15	7883	.07	1.4		
41.90	42.55	.65	7884	.01	1.7		
42.55	43.05	.50	7885	.02	.9		
43.05	81.34	38.29	waste				
81.34	81.84	.50	7886	.09	1.6		
81.84	82.46	.62	7887	.18	.5		
82.46	82.96	.50	7888	.05	.4		
82.96	102.09	19.13	waste				
102.09	EOH						

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DIAMOND DRILL LOG

Property: BAG L. | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 5 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

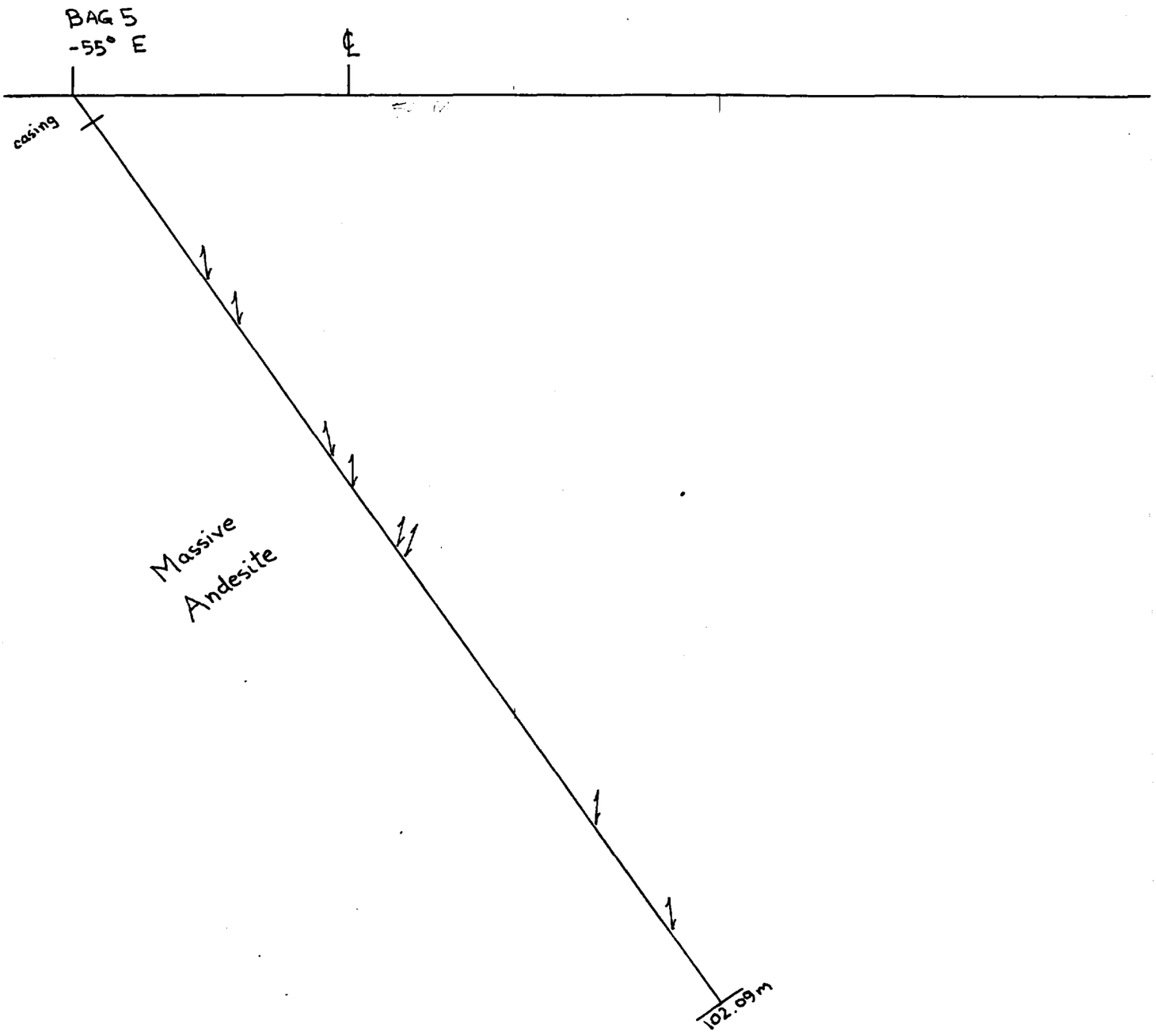
INTERVAL FEET (METRES)	DESCRIPTION
49.00 - 49.50	several short (<5 cm wide), blocky rubbly sections.
49.50 - 52.00	weakly foliated interval with <1% py, <2% qtz veinlets up to 3mm wide.
55.00 - 58.20	some qtz veinlets with bright pink manganiterous carb (core angles are variable).
81.84 - 82.46	sheared, chloritized & silicified interval with no visible sulfides.
83.50 - 102.09	dark green fine grained, mildly brecciated andesite similar to the interval 13.71 - 37.00 (ie contains sections with 5-10% small matic phenocrysts, 3-5% fine qtz - carb - (epid) tensional fracture infillings in brecciated portions, <1% py.
102.09	End of Hole — hole uncemented, casing pulled.

Core Angles

20.80 m	30°	incipient shearing
25.70 m	30°	incipient shearing
40.40 m	25°	very weak shearing
43.75 m	35°	foliation.
50.78 m	49°	foliation.
52.00 m	55°	foliation.
82.00 m	40°	shearing.
94.00 m	30°	very weak incipient shearing.

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au. g/t	Ag. g/t	Cu.	Zn.
0	3.67		no sludge				
3.67	7.62	3.95	9007	.02	2.1		
7.62	13.71	6.09	9008	.01	1.8		
13.71	19.81	6.10	9009	.02	3.9		
19.81	25.90	6.09	9010	.02	1.6		
25.90	32.00	6.10	9011	.04	1.4		
32.00	38.09	6.09	9012				
38.09	44.19	6.10	9013	.03	.6		
44.19	50.28	6.09	9014	.01	1.0		
50.28	56.38	6.10	9015	.02	1.2		
56.38	62.47	6.09	9016	.01	1.3		
62.47	68.57	6.10	9017	.01	1.1		
68.57	74.66	6.09	9018	.03	2.2		
74.66	80.76	6.10	9019	.01	2.4		
80.76	86.85	6.09	9020	.06	2.0		
86.85	92.95	6.10	9021	.01	2.1		
92.95	99.04	6.09	9022	.02	1.7		
99.04	102.09	3.05	9023	missing.			
102.09	EOH						



GRANGES EXPLORATION LTD.
BAG L. OPTION
Project 515
Section 10+00 S / 2+20 E
Scale 1:500
Looking Grid N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 2

Property: BAG L. | Project No.: 515 | Depth: 92.95m | Date Began: FEB 18 1988

Hole No.: BAG 6 | Co ord.: 16+05.5 S | Horizontal Length: 52 M | Date Completed: FEB 19 1988

Claim No.: 1003411 | 3+52 W | Core Size: BQ | Drilled By: Morissette

Grid No.: | Angle & Direction: -55° Az 065 | Elevation: | Logged By: B. GABOURY

INTERVAL FEET (METRES)	DESCRIPTION
0 - 15.85	Casing (core recovery from 13.70 m)
13.70 - 92.95	Massive Andesite
	dark green, medium fine to fine grained, weakly to non-foliated; contains ≤ 3% qtz - carb veins at various CA's (occassionally contain some py) up to ~ 1 cm wide, ~ 1% py overall, mild patchy epidotization (generally as bands or as spheroids up to several mm across, somewhat reminesent of amygdales):
	18.40 - 18.61 : blocky, rubbly
	44.80 - 47.67 : mildly to moderately well foliated interval of crudely banded andesitic tuffs with ≤ 3% qtz veining & 1-2% dissem. py, somewhat chloritic.
	Below ~ 53.30 m rock has no foliation, qtz veining drops to < 3% ; py+po < 1%.
	66.94 - 67.26 : brecciated, epidotized & silicified; contains a po/cpy stringer up to 1 cm wide (tapers out at both ends) trending ~ 5-10° to core axis cross-cutting a qtz-epid vein with a core angle of 70-80°.
	77.82 - 77.97 : clayey pebbly rubble (minor fault)
92.95	End of Hole

Core SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	13.70	casing; no core recovery					
13.70	44.30	30.60	waste				
44.30	44.80	.50	7889	.01	2.1		
44.80	45.30	.50	7890	.02	1.8		
45.30	45.80	.50	7891	.01	1.6		
45.80	46.30	.50	7892	.01	1.1		
46.30	46.74	.44	7893	.02	1.7		
46.74	47.24	.50	7894	.04	1.0		
47.24	47.67	.43	7895	.02	.9		
47.67	48.17	.50	7896	.01	1.1		
48.17	66.44	18.27	waste				
66.44	66.94	.50	7897	.01	1.9		
66.94	67.26	.32	7898	.02	2.1		
67.26	67.76	.50	7899	.01	1.6		

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DIAMOND DRILL LOG

Page 2 of 2

Property: BAG 'L' | Project No.: 515 | Depth: | Date Began:

Hole No.: BAG 6 | Co ord.: | Horizontal Length: | Date Completed:

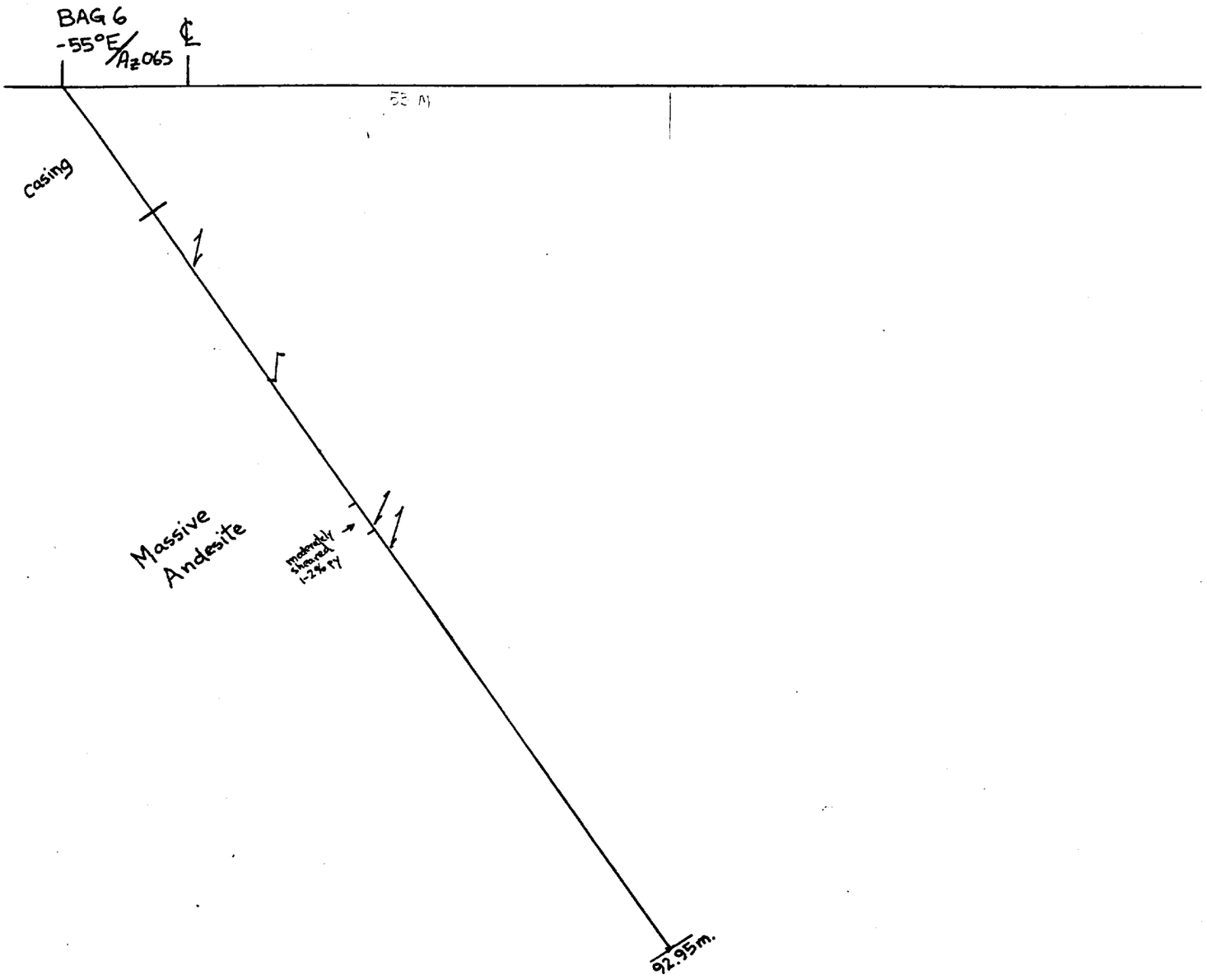
Claim No.: | | Core Size: | Drilled By:

Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET (METRES)	DESCRIPTION
	CORE ANGLES
19.53 m	57° shearing
32.00	40° chloritic fractures
47.20	60° foliation
49.67	52° very weak foliation

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	13.71	13.71	9024	.07	1.8		
13.71	25.90	12.29	9025	.03	1.1		
25.90	32.00	6.10	9026	.02	1.3		
32.00	38.09	6.09	9027	.14	1.8		
6.10	44.19	6.10	9028	.08	1.6		
44.19	50.28	6.09	9029	.04	1.4		
50.28	56.38	6.10	9030	.02	1.3		
56.38	62.47	6.09	9031	.09	1.1		
62.47	68.57	6.10	9032	.16	1.8		
68.57	74.66	6.09	9033	.18	1.4		
74.66	80.76	6.10	9034	.02	1.7		
80.76	86.85	6.09	9035	.01	15.8		
86.85	92.95	6.10	9036	.01	11.6		
92.95	EOH						



GRANGES EXPLORATION LTD.
BAG L. OPTION
Project 515
16+05.5S/3+52W ; -55°/Az 065
Scale 1:500
Looking N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 2

Property: BAG L. | Project No.: 515 | Depth: 80.16 m | Date Began: FEB 20/88
Hole No.: BAG 7 | Co ord.: 18+14S | Horizontal Length: 47 m | Date Completed: FEB 20/88
Claim No.: 1003408 | 0+70E | Core Size: BQ | Drilled By: Morissette PL
Grid No.: 1 | Angle & Direction: -55°/A2070 | Elevation: | Logged By: B. Gaboury

INTERVAL FEET/(METRES)	DESCRIPTION
0 - 3.05	Casing (Core recovered from 2.65m)
2.65 - 36.55	Massive Andesite green, medium fine grained, generally non-foliated, some porphyritic sections with 5-10%, sometimes stretched, chloritized mafic phenocrysts up to 3mm dia., minor epidotized bands; contains ≤ 3% qtz - carb - (epid.) veinlets up to ~5mm wide at various core angles, <1% py; minor amygdaloidal sections (small white, spheroidal grains) often associated with porphyritic intervals: 15.12 - 15.53 : mildly foliated interval with two 10cm wide sheared qtz veins with no visible sulfides. 27.50 - 29.00 : weakly to moderately well foliated, 3% thin (≤ 3mm wide) qtz veinlets concordant with foliation: 28.31 - 28.58 : dark brown well-foliated section with 1-2% dissem. py & ~10% broken qtz veinlets (includes one thin clay - py seam of the order of a few mm. wide).
36.55 - 54.80	Pillowed Andesites moderately to mildly brecciated, medium fine to fine grained; contains veinlets of chloritic/silicious dark green material containing lighter green andesitic fragments (pillow selvages). These veinlets are up to several cm wide and are oriented at all possible CA's. These also have peripheral bleaching into the host andesite; contains <1% py+po (but some fractured

Core SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au. g/t	Ag. g/t	Cu.	Zn.
0	2.65	casing (no core recovery)					
2.65	14.62	11.97	waste				
14.62	15.12	.50	7900	.01	1.8		
15.12	15.53	.41	7901	.02	2.0		
15.53	16.03	.50	7902	.02	1.7		
16.03	27.81	11.78	waste				
27.81	28.31	.50	7903	.02	1.8		
28.31	28.58	.27	7904	.06	1.9		
28.58	29.08	.50	7905	.03	1.3		
29.08	52.66	23.08	waste				
52.66	52.66	.50	7906	.02	1.7		
52.66	53.00	.34	7907	.01	1.8		
53.00	53.50	.50	7908	.01	1.6		
53.50	80.76	27.26	waste				
80.76	EOH.						

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Page 2 of 2

Property: BAG L. Project No. 515 Depth: Date Began:
Hole No. BAG 7 Co ord. Horizontal Length: Date Completed:
Claim No. Core Size: Drilled By:
Grid No. Angle & Direction: Elevation: Logged By:

INTERVAL FEET/METRES	DESCRIPTION
	sections with up to 3% py (eg 52.66 – 53.00 m)
54.80 – 80.76	Massive Andesite
	similar to interval 2.65 – 36.55 ; contains 4-8% qtz – carb – (epid) veinlets up to 1 cm wide at varying CA's giving the rock a brecciated appearance; generally non-foliated, degree of brecciation decreases noticeably downhole, such that qtz veining is ≤ 3% below 71.62 m ; ≤ 1% py tpo.
80.76	End of Hole casing pulled, hole uncemented
	Core Angles
	9.10 m : 50° very weak fol.
	10.67 m : 62° very weak fol
	15.05 m : 90° fol
	28.00 m : 35° fol // qtz vnlts
	28.40 m : 40° fol (shearing)
	36.30 m : 58° very weak fol

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	3.05	no sludge recovery					
3.05	4.57	1.52	9037	.03	3.2		
4.57	7.62	3.05	9038	.02	1.9		
7.62	10.67	3.05	9039	.06	1.4		
10.67	13.71	3.04	9040	.01	1.7		
13.71	16.76	3.05	9041	.01	1.3		
16.76	19.81	3.05	9042	.01	1.1		
19.81	22.86	3.05	9043	.01	.8		
22.86	25.90	3.04	9044	.03	1.2		
25.90	28.95	3.05	9045	.14	1.8		
28.95	32.00	3.05	9046	.02	3.7		
32.00	35.05	3.05	9047	.01	1.6		
35.05	38.09	3.04	9048	.12	1.7		
38.09	41.14	3.05	9049	.03	2.0		
41.14	44.19	3.05	9050	.02	1.3		
44.19	47.24	3.05	9051	.02	1.1		
47.24	50.28	3.04	9052	.01	1.4		
50.28	53.33	3.05	9053	.01	5.8		
53.33	56.38	3.05	9054	.01	4.2		
56.38	59.43	3.05	9055	.03	4.1		
59.43	62.47	3.04	9056	.02	3.8		
62.47	65.52	3.05	9057	.02	3.1		
65.52	68.57	3.05	9058	.05	5.9		
68.57	71.62	3.05	9059	.03	3.6		
71.62	74.66	3.04	9060	.02	3.1		
74.66	77.71	3.05	9061	.01	2.4		
77.71	80.76	3.05	9062	sample missing.			

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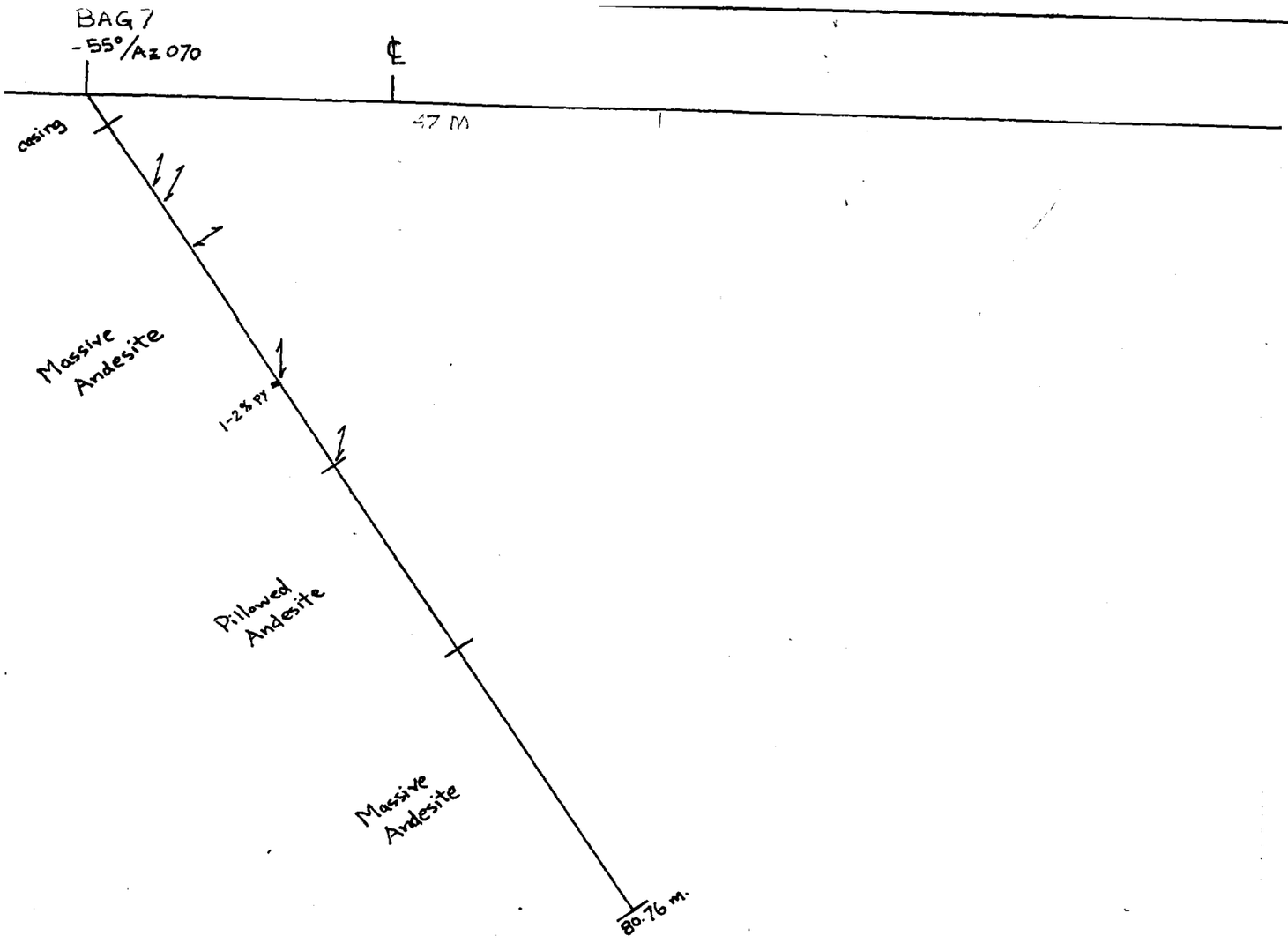

GRANGES EXPLORATION LTD.
BAG L. OPTION
Project 515
18+14S/0+70E ; -55°/Az 070
Scale 1:500
Looking N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 2

Property: BAG L. | Project No.: 515 | Depth: 83.81 m. | Date Began: FEB 21/88

Hole No.: BAG 8 | Co ord.: 17+13 S | Horizontal Length: 48 M | Date Completed: FEB 22/88

Claim No.: 1003408 | 2+00 E | Core Size: BQ | Drilled By: Morissette

Grid No.: 1 | Angle & Direction: -55°/Az 077 | Elevation: | Logged By: B. Gaboury

INTERVAL FEET (METRES)	DESCRIPTION
0 - 24.38	Casing
24.38 - 25.37	Massive Andesite boulder
25.37 - 25.87	granitic & andesitic pebbles plus one dacitic cobble.
25.87 - 50.48	Pillowed Andesite fine to medium fine grained, green, generally unfoliated, contains occassional irregular dark chloritic veinlet (≤ 3cm wide) with small andesitic fragments & qtz. These veinlets have peripheral bleaching & chloritization into the adjacent hostrock and show no preferred orientation; overall ≤ 1% py & ≤ 3% chloritic & qtz veinlets ≤ 3cm wide, minor occassional white amygdales: 36.00 - 36.35 : mildly foliated interval 47.24 - 50.48 : mildly brecciated, foliated interval with ≤ 1% py & 5-10% narrow tensional qtz veinlets, many of which are concordant with foliation: 50.28 - 50.48 : sheared & silicified, 20-30% qtz veining, ~1% py + po.
50.48 - 83.81	Massive Andesite green, medium fine to fine grained, generally non-foliated, contains < 3% thin qtz veinlets (< 1cm wide usually) at various CA's, < 1% py, occassional white amygdale up to .5cm wide. Hyaloclastite - pillow selvages are rarely observed in this interval.

CORE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au. g/t	Ag. g/t	Cu.	Zn.
0	24.38	casing; no core recovered					
24.38	25.87	.49	hdrs & pebbles				
25.87	47.33	21.46	waste				
47.33	47.83	.50	7909	.02	2.0		
47.83	48.33	.50	7910	.02	1.8		
48.33	48.76	.43	7911	.16	.1		
48.76	49.28	.52	7912	.02	1.7		
49.28	49.78	.50	7913	.01	1.0		
49.78	50.28	.50	7914	.01	1.3		
50.28	50.48	.20	7915	.02	.9		
50.48	50.98	.50	7916	.02	2.0		
50.98	83.81	32.83	waste				
83.81	E.O.H.						

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Page 2 of 2

Property BAG L | Project No. 515 | Depth | Date Began
Hole No. BAG 8 | Co ord. | Horizontal Length | Date Completed
Claim No. | | Core Size | Drilled By
Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET/~~METRES~~	DESCRIPTION
83.81	End of Hole casing pulled, hole uncemented.
	Core Angles
	36.15 m : 57° fol
	48.40 m : 65° shearing
	50.28 m : 40° shearing.

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au. g/t	Ag. g/t	Cu.	Zn.
0	25.90	25.90	no	sludge	recovery		
25.90	28.95	3.05	9063	.02	10.2		
28.95	32.00	3.05	9064	.01	3.4		
32.00	35.05	3.05	9065	.03	2.1		
35.05	38.09	3.04	9066	.02	1.9		
38.09	41.14	3.05	9067	.01	2.2		
41.14	44.19	3.05	9068	.02	2.6		
44.19	47.24	3.05	9069	.01	2.0		
47.24	50.28	3.04	9070	.02	3.2		
50.28	53.33	3.05	9071	.02	3.9		
53.33	56.38	3.05	9072	.01	3.6		
56.38	59.43	3.05	9073	.08	2.3		
59.43	62.47	3.04	9074	.03	2.1		
62.47	65.52	3.05	9075	.09	1.7		
65.52	68.57	3.05	9076	.04	1.9		
68.57	71.62	3.05	9077	.02	2.6		
71.62	74.66	3.04	9078	.07	2.0		
74.66	77.71	3.05	9079	.09	1.9		
77.71	80.76	3.05	9080	.05	3.4		
80.76	83.81	3.05	9081	.04	1.6		

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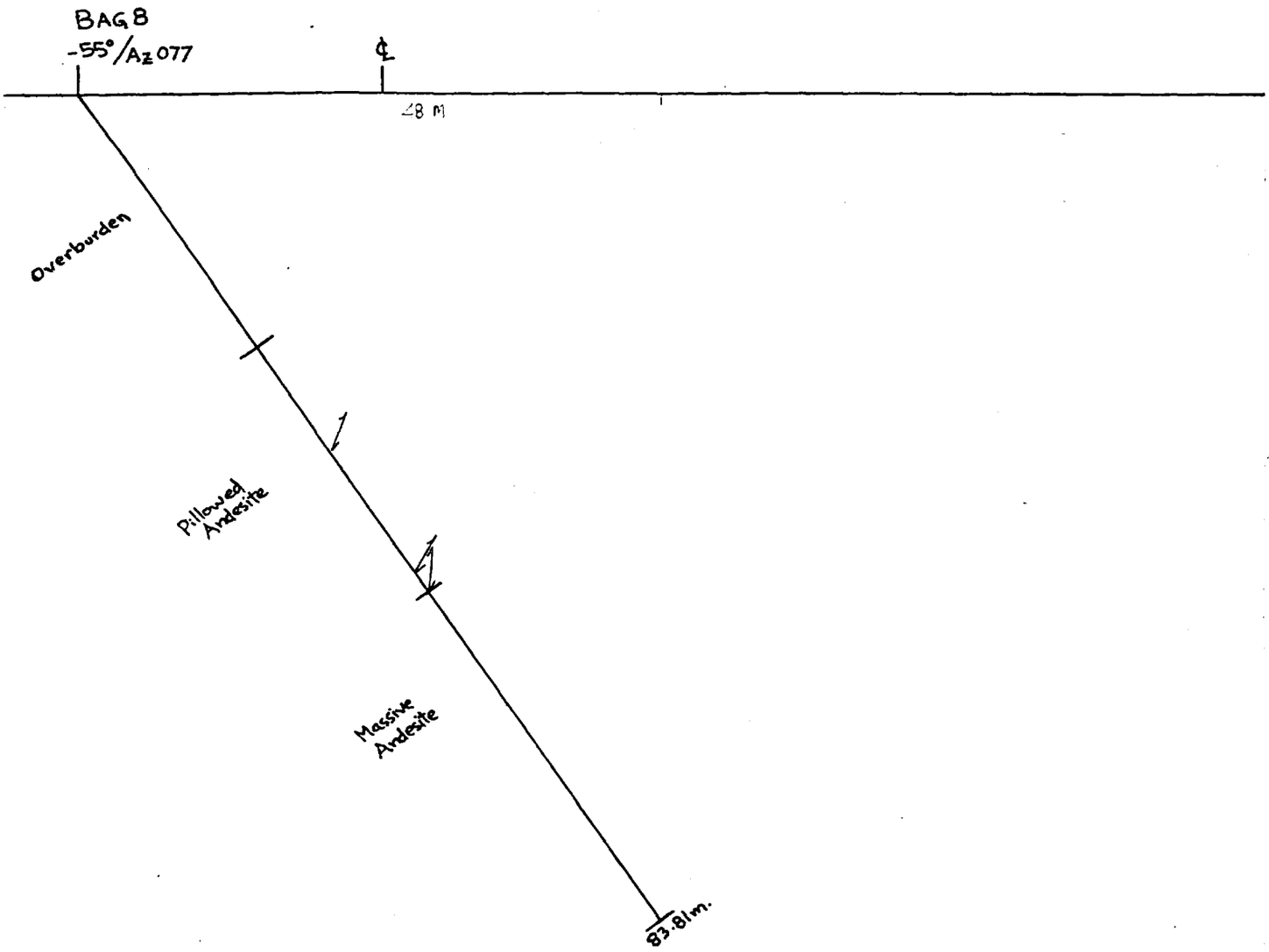

GRANGES EXPLORATION LTD
BAG L. OPTION
Project 515
17+13S/2+00E ; -55°/Az 077
Scale 1:500
Looking N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 4

Property: BAG L | Project No.: 515 | Depth: 102.07 m | Date Began: FEB 22/88
Hole No.: BAG 9 | Co ord.: 15+00S | Horizontal Length: 50 M | Date Completed: FEB 23/88
Claim No.: 1003406 | 2+19E | Core Size: Bq | Drilled By: Morissette
Grid No.: 1 | Angle & Direction: -55° Grid E. | Elevation: | Logged By: B. Gaboury

INTERVAL FEET (METRES)	DESCRIPTION
0 - 3.05	Casing (core recovery from 2.20m)
2.20 - 38.90	Massive Andesite
	medium fine grained, green, mildly to non-foliated, some mildly brecciated portions, contains 3-5% brecciated or contorted (often feathered) qtz-carb veinlets up to ~ 1cm wide (many are sheared into the plane of the foliation; overall ~ 1% py:
	2.20 - 13.95 : more intense brecciation; 5-10% qtz veining:
	7.32 - 7.45 : sheared qtz-chl vein concordant with foliation, tr py.
	18.11 - 19.03 : Fault Zone; blocky, pebbly rubble; minor clayey gouge.
	21.30 - 21.43 : Fault Zone; pebbly clayey rubble
	21.63 - 21.68 : blocky, rubbly
	22.13 - 22.23 : blocky, rubbly.
	37.09 - 38.43 : brownish colored, altered, sheared & brecciated interval with 1-2% py overall:
	37.38 - 37.50 : moderately well-sheared, ~30% fine concordant qtz stringers, 1-3% py
	38.16 - 38.43 : well-sheared, silicified with ~30% concordant qtz veinlets, 5-8% py; some later stage barren qtz veinlets at ~90°

CORE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	2.20	2.20	casing	; no	core	recovery	
2.20	5.65	3.45	waste				
5.65	6.15	.50	7917	.02	2.1		
6.15	6.39	.24	7918	.02	1.8		
6.39	6.82	.43	7919	.03	1.7		
6.82	7.32	.50	7920	.02	1.9		
7.32	7.45	.13	7921	.01	1.6		
7.45	7.95	.50	7922	.02	1.7		
7.95	36.59	28.64	waste				
36.59	37.09	.50	7923	.11	1.4		
37.09	37.38	.29	7924	.18	1.6		
37.38	37.50	.12	7925	.17	1.9		
37.50	37.86	.36	7926	.14	1.8		
37.86	38.16	.30	7927	.17	1.7		
38.16	38.43	.27	7928	2.65	1.2		
38.43	38.75	.32	7929	.12	.7		
38.75	38.90	.15	7930	.21	1.1		
38.90	39.40	.50	7931	.03	.9		
39.40	68.23	28.83	waste				
68.23	68.73	.50	7932	.04	.3		
68.73	69.09	.36	7933	.03	.6		
69.09	69.59	.50	7934	.02	.4		
69.59	70.09	.50	7935	.05	.7		
70.09	70.46	.37	7936	.02	.5		
70.46	70.96	.50	7937	.02	.4		
70.96	71.17	.21	7938	.03	1.0		
71.17	71.67	.50	7939	.01	1.7		
71.67	73.33	1.66	waste				
73.33	73.83	.50	7940	.02	1.2		
73.83	74.07	.24	7941	.06	1.1		
74.07	74.58	.51	7942	.07	1.3		
74.58	80.50	5.92	waste				
80.50	80.98	.48	7943	.03	1.1		
80.98	81.48	.50	7944	.05	1.2		
81.48	81.98	.50	7945	.02	1.5		
81.98	82.48	.50	7946	.03	1.1		
82.48	82.98	.50	7947	.02	.9		
82.98	83.46	.48	7948	.01	1.0		
83.46	83.89	.43	7949	.02	1.1		
83.89	84.39	.50	7950	.01	1.7		

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Page 2 of 4

Property BAG L | Project No. 515 | Depth | Date Began
Hole No. BAG 9 | Co ord. | Horizontal Length | Date Completed
Claim No. | | Core Size | Drilled By
Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET / METRES	DESCRIPTION	CORE SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
	to direction of shearing.	84.39	91.39	7.00	waste	.			
	38.43 - 38.75: sheared qtz-chl vein with some pink carb; tr py.	91.39	91.89	.50	7951	.01	1.8		
		91.89	92.39	.50	7952	.01	2.6		
		92.39	92.89	.50	7953	.02	1.0		
		92.89	93.39	.50	7954	.01	0.9		
		93.39	93.89	.50	7955	.01	1.1		
38.90 - 47.31	Feldspar Porphyry	93.89	94.22	.33	7956	.03	0.5		
		94.22	94.80	.58	7957	.02	2.2		
	consists of ~60% light colored feldspar phenocrysts up to 8 mm dia plus 3-5% irregular matic (Hornblende) phenocrysts up to 2mm dia in a reddish brown to greyish groundmass; contains <2% qtz-carb veinlets up to ≈3mm wide & ≤1% py overall, generally unfoliated.	94.80	95.15	.35	7958	.03	4.3		
		95.15	95.65	.50	7959	.06	1.5		
		95.65	96.00	.35	7960	.07	3.2		
		96.00	96.50	.50	7961	.02	1.4		
		96.50	97.00	.50	7962	.02	3.7		
		97.00	97.40	.40	7963	.02	1.3		
		97.40	97.72	.32	7964	.01	1.2		
		97.72	98.22	.50	7965	.03	2.0		
	39.90 - 40.50 ; stoped, mildly sheared, andesite blocks with pink qtz-carb veinlets.	98.22	102.09	3.87	waste				
		102.09	EOH						
47.31 - 56.75	"Altered Andesite								
	mottled green, brecciated and somewhat sheared medium fine grained; contains qtz-carb wisps (many with dark green chloritic selvages), chloritic stringers & epidote-carb stringers and patches up to several cm wide at all possible CA's; overall <3% qtz veins; vein fragments and ~1% dissem. py.								
56.75 - 65.70	Feldspar Porphyry								
	similar to interval 38.90 - 47.31, brownish grey groundmass; <2% very fine qtz veinlets, <1% py. Phenocrysts become less easily discernible below 63.00 m.								

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GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 3 of 4

Property: BAG L. | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 9 | Co ord. | Horizontal Length: | Date Completed:
Claim No. | Core Size: | Drilled By:
Grid No. | Angle & Direction | Elevation: | Logged By:

INTERVAL FEET/(METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
65.70 - 80.70	Gabbro dark green, medium to coarse grained, contains numerous bands or irregular patches of epidotization up to several tens of cm wide as well as occassional (< 2%) thin qtz-carb veinlets with no preferred CA's, ≤ 1% py, generally unfoliated. Becomes more chloritized and carbonatized below ~ 76.00 m: 68.73 - 69.59 : band of epidotization with some qtz veinlets at ~ 80° to core axis; contains 1-3% py as wisps & blebs. 70.96 - 71.17 : sheared epidote band with minor cross-cutting qtz veinlets; 1-3% py 73.83 - 74.07 : sheared epidote - qtz band with 1-3% py								
80.70 - 83.85	Felsite Dike (altered Feldspar Porphyry?) grey, silicified, fine grained rock with some faintly visible ghost phenocrysts, contains no appreciable qtz veining, 1-3% fine dissem. py.								
83.85 - 97.72	"Altered Andesite" mottled green & beige (beige to pink irregular silicified patches up to several cm wide with a fragment-like appearance in a homogenized chloritic contorted green "andesitic" groundmass). Although the rock maintains a brecciated appearance, "alteration" decreases rapidly below 85.60 m, overall ≤ 1% py, minor qtz veinlet fragments.								

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DIAMOND DRILL LOG

Page 4 of 4

Property: BAG L. | Project No.: 215 | Depth: | Date Began:
Hole No.: BAG 9 | Co ord. | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET / METRES	DESCRIPTION
	91.89 - 97.72 ; conturted, brecciated interval with 1-3% py as stringers, blebs & disseminations; ~ 3-5% hairlike silicified epidote stringers at various CA's:
	93.89 - 95.15 ; several 2-3 cm wide qtz-chl-carb-calc-silicate-py-magnetite veinlets at ~ 0° to core axis. Several sections of veins contain ≥ 1% euhedral fine mgt crystals & a tan colored fibrous mineral (tremolite?); overall 1-2% py.
97.72 - 102.09	Feldspar Porphyry
	~ 50% light colored, diffuse feldspar phenocrysts in a dark grey silicified groundmass; < 3% thin qtz veinlets and ~ 1% dissem. py.
102.09	End of Hole casing pulled, hole uncemented.

Core Angles

4.65 m	35°	fol	48.80 m	40°	fol
7.80 m	47°	fol	53.00 m	36°	fol
10.67 m	45°	fol	56.75 m	36°	contact
19.21 m	50°	fol	65.70 m	80°	contact
20.71 m	30°	fol	71.00 m	30°	shearing
27.60 m	48°	fol	73.90 m	34°	shearing
33.50 m	50°	fol (poor)	80.70 m	90°	contact
37.45 m	58°	shearing.	80.60 m	35°	shearing.
38.25 m	43°	shearing.	83.85 m	45°	contact
38.75 m	40°	fol // qtz vnlt.	97.72 m	50°	contact.
38.90 m	40°	contact.			
40.00 m	44°	fol			
47.31 m	27°	contact			

sludge SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	7.62	7.62	9082	.01	2.1		
7.62	10.67	3.05	9083	.01	3.0		
10.67	13.71	3.04	9084	.02	2.0		
13.71	16.76	3.05	9085	.01	2.1		
16.76	19.81	3.05	9086	.01	2.2		
19.81	22.86	3.05	9087	.04	2.0		
22.86	25.90	3.04	9088	.01	1.9		
25.90	28.95	3.05	9089	.01	2.0		
28.95	32.00	3.05	9090	.03	1.8		
32.00	35.05	3.05	9091	.01	2.1		
35.05	38.09	3.04	9092			MISSING	
38.09	41.14	3.05	9093	.64	1.6		
41.14	44.19	3.05	9094	.02	1.2		
44.19	47.24	3.05	9095	.10	1.5		
47.24	50.28	3.04	9096	.01	1.9		
50.28	53.33	3.05	9097	.20	2.1		
53.33	56.38	3.05	9098	.01	2.2		
56.38	59.43	3.05	9099	.03	1.0		
59.43	62.47	3.04	9100	.01	0.6		
62.47	65.52	3.05	9151	.19	1.1		
65.52	68.57	3.05	9152	.11	0.8		
68.57	71.62	3.05	9153	.20	0.6		
71.62	74.66	3.04	9154	.04	0.9		
74.66	77.71	3.05	9155	.03	0.7		
77.71	80.76	3.05	9156	.18	0.4		
80.76	83.81	3.05	9157	.04	1.1		
83.81	86.85	3.04	9158	.07	0.9		
86.85	89.90	3.05	9159	.09	0.8		
89.90	92.95	3.05	9160	.03	0.7		
92.95	96.00	3.05	9161	.05	1.4		
96.00	99.04	3.04	9162			MISSING	
99.04	102.09	sample missing					
102.09	EOH.						

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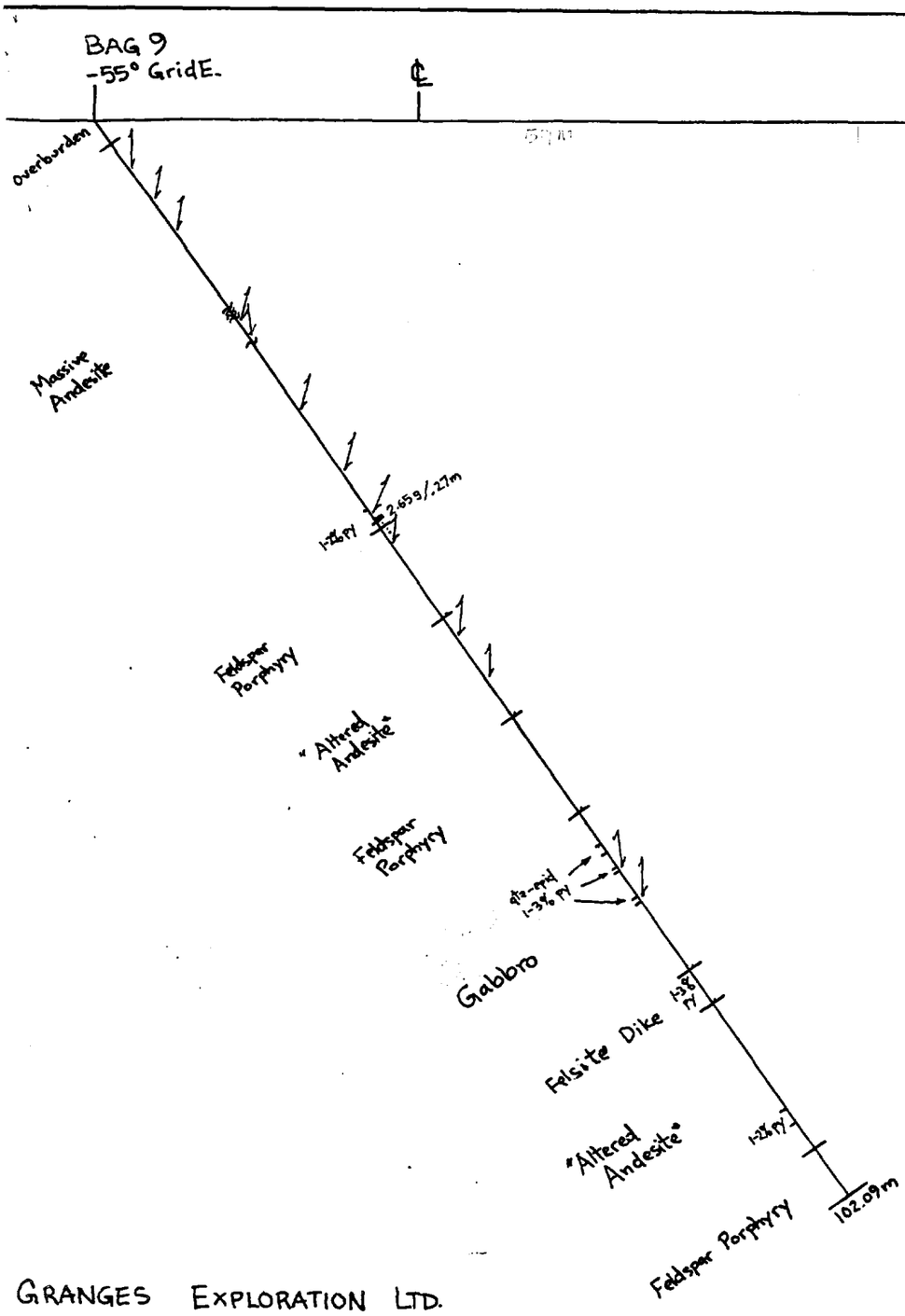

GRANGES EXPLORATION LTD.
BAG L. OPTION
Project 515
Section 15+00S / 2+21E
Scale 1:500
Looking Grid N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 7

Property: BAG L. | Project No.: 517 | Depth: 144.76 | Date Began: FEB 26/88

Hole No.: BAG 10 | Co ord.: 0+20S | Horizontal Length: 144.5M | Date Completed: FEB 27/88

Claim No.: 882188 | 0+35W | Core Size: BQ | Drilled By: Morissette

Grid No.: 1 | Angle & Direction: -45° Grid E | Elevation: | Logged By: B. Gaboury

INTERVAL FEET/METRES	DESCRIPTION
0 - 3.66	Casing (Core recovery from 1.19m)
1.19 - 50.01	Massive Andesite medium fine grained, green to dark brownish grey, generally brecciated (containing cross-cutting white tensional qtz veinlets up to several mm wide at varying CA's). Contains ~ 4-8% qtz veinlets at varying CA's although, in sheared intervals, many are concordant with fabric, occassional low core angle qtz-epid veinlet or irregular patch of epidotization: 3.56 - 3.88 : 20-25% qtz-carb veins up to 10cm wide, CA's 60-65°, tr py, abundant beize carb as well as some pink carb. 6.21 - 6.56 : brecciated, very weakly sheared. 9.61 - 9.89 : bleached, sheared interval with 10-15% concordant sheared qtz-carb veinlets plus concordant dirty brown py stringers; overall 1-2% py. 13.71 - 14.90 : moderately well-sheared, bleached light greenish, mildly silicified interval with 4-6% py as stringers dissemination & large blebs often concordant with fabric, occassional silicious band of fine beize carb; some cross-cutting white qtz veinlets & grey silica-flooded intervals: 14.30 - 14.69 : brecciated, carbonatized, silica flooded interval with 7-10% py 14.69 - 14.90 : grey silica flooded mildly foliated with 3-5% py 15.30 - 15.59 : 5cm wide qtz-chl-(carb) vein with

CORE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	~~Cu~~	~~Zn~~
0	1.19	casing; no core recovery					
1.19	3.06	1.87	waste				
3.06	3.56	.50	7966	.05	3.9		
3.56	3.88	.32	7967	.01	2.2		
3.88	4.57	.69	7968	.02	2.3		
4.57	5.07	.50	7969	.03	1.9		
5.07	5.71	.64	7970	.01	1.8		
5.71	6.21	.50	7971	.01	2.1		
6.21	6.56	.35	7972	.02	1.7		
6.56	6.91	.35	7973	.02	1.5		
6.91	7.41	.50	7974	.01	1.6		
7.41	7.91	.50	7975	.04	1.4		
7.91	8.41	.50	7976	.02	1.3		
8.41	8.91	.50	7977	.01	1.6		
8.91	9.20	.29	7978	.01	1.9		
9.20	9.61	.41	7979	.01	1.8		
9.61	9.89	.28	7986	.01	1.7		
9.89	10.49	.60	7981	.01	1.4		
10.49	10.99	.50	7982	.01	1.3		
10.99	13.21	2.22	waste				
13.21	13.71	.50	7983	.03	1.8		
13.71	14.30	.59	7984	.80	1.2		
14.30	14.69	.39	7985	5.58	1.7		
14.69	14.90	.21	7986	19.55	1.9		
14.90	15.30	.40	7987	2.08	1.7	1.0M =	7.11g/t Au
15.30	15.59	.29	7988	.19	1.2		
15.59	16.09	.50	7989	.21	1.3		
16.09	41.61	25.52	waste				
41.61	42.36	.75	7990	.02	1.5		
42.36	42.86	.50	7991	.04	1.9		
42.86	43.42	.56	7992	.20	1.4		
43.42	43.61	.19	7993	7.06	1.2		
43.61	44.11	.50	7994	1.10	1.4		
44.11	44.61	.50	7995	.69	1.3		
44.61	48.00	3.39	waste				
48.00	48.50	.50	7996	.02	1.9		
48.50	49.00	.50	7997	.04	1.3		
49.00	49.50	.50	7998	.03	1.6		
49.50	50.01	.51	7999	.14	1.8		
50.01	50.17	.16	8000	2.34	1.7		

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

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Property: BAG L | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 10 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET (METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	~~Cu~~	~~Zn~~
	tr py along selvages (CA's ~ 45°) plus adjacent sheared section with abundant (20-30% irregular cross-cutting fine qtz veinlets), 1-2% py, tr hem in one small qtz veinlet.	50.17	50.51	.34	9251	.01	1.8		
		50.51	51.10	.59	9252	.01	1.3		
		51.10	51.38	.28	9253	.06	1.3		
		51.38	52.04	.66	9254	.01	1.8		
		52.04	52.44	.40	9255	.01	0.6		
		52.44	52.79	.35	9256	.03	1.1		
24.40 - 42.86	poorly to non-foliated, qtz veinlet frequency falls to <3% below ~ 35.00 m; no preferred orient. of vnlts.	52.79	53.37	.58	9257	.01	1.0		
		53.37	53.48	.11	9258	.02	.3		
		53.48	53.81	.33	9259	.08	.7		
		53.81	54.18	.37	9260	.18	1.3		
42.36 - 42.86	several broken rubbly intervals up to ~8cm wide	54.18	54.59	.41	9261	.02	.8		
		54.59	55.09	.50	9262	.01	1.9		
		55.09	55.59	.50	9263	.01	2.1		
42.86 - 44.61	mildly to moderately well sheared interval with 5-10% qtz veinlets & veinlet fragments up to 1cm wide (often rotated into direction of shearing, overall 1-2% py.	55.59	56.09	.50	9264	.01	1.7		
		56.09	56.61	.52	9265	.05	1.8		
		56.61	57.03	.42	9266	1.38	1.6		
		57.03	57.28	.25	9267	34.90	2.2		
		57.28	57.54	.26	9268	1.57	1.3	0.93	M: 10.49 g/t Au
		57.54	57.94	.40	9269	.83	.9		
43.42 - 43.61	bleached, well-sheared interval with 5% py as disseminations & stringers ~ concordant with fabric.	57.94	58.29	.35	9270	.44	1.1		
		58.29	58.42	.13	9271	.26	.8		
		58.42	58.92	.50	9272	.05	1.2		
		58.92	59.43	.51	9273	.02	.7		
		59.43	59.93	.50	9274	.04	.9		
43.61 - 44.11	mildly sheared, 5-10% qtz veinlets up to ~.5cm wide (usually concordant with fabric).	59.93	60.29	.36	9275	.03	1.0		
		60.29	60.45	.16	9276	.03	.8		
		60.45	61.04	.59	9277	.01	1.2		
		61.04	61.26	.22	9278	.72	.9		
		61.26	61.54	.28	9279	.02	1.4		
47.49 - 47.65	blocky interval with 5cm wide clayey gouge seam.	61.54	61.88	.34	9280	.01	.7		
		61.88	62.47	.59	9281	.04	1.1		
		62.47	62.95	.48	9282	.05	.9		
48.50 - 50.01	mildly foliated, <2% qtz veining, chloritized, 1-2% dissem py.	62.95	63.45	.50	9283	.02	1.3		
		63.45	63.95	.50	9284	.04	1.5		
		63.95	64.40	.45	9285	.01	1.1		
		64.40	64.90	.50	9286	.06	1.2		
50.01 - 52.04	"Altered Andesite"	64.90	65.06	.16	9287	.03	.7		
		65.06	65.56	.50	9288	.56	1.8		
	medium fine grained, moderately sheared; contains lighter colored silicic irregular splotches up to several mm	65.56	66.06	.50	9289	.01	1.9		
		66.06	66.47	.41	9290	.02	1.4		

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

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Property BAG L. Project No. 515 Depth Date Began
Hole No. BAG 10 Co ord. Horizontal Length Date Completed
Claim No. Core Size Drilled By
Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET / METRES	DESCRIPTION
	in dia in a dark green chloritic groundmass; overall 5-10% qtz-carb veins;
	50.01 - 50.17 : well sheared, bleached; 5-8% py+po as concordant stringers and large blebs; includes a 2.5 cm wide dirty white qtz vein.
	50.17 - 50.51 : moderately well sheared; 1-2% po as blebs.
	51.10 - 51.38 : ~30% white qtz veins with peripheral bleaching, tr-1% py CA of larger vein ~50°.
52.04 - 54.59	Quartz - Feldspar Porphyry
	beige to greenish; contains ~10% qtz phenocrysts up to 3mm dia, 5-10% cream colored kaolinized feldspar phenocrysts in a silicified, bleached groundmass which probably contained ~50% larger feldspar phenocrysts (no longer discernible); contains ~10% fine silicic cross-cutting veinlets at all CA's, ≤1% very fine dissem py:
	53.48 - 53.81 : well silicified, light colored interval with tr visible py.
54.59 - 57.28	"Altered Andesite"
	similar to interval 50.01 - 52.04 m; contains numerous chloritic wisps and stringers subparallel to foliation, mildly contorted, ≤1% py up to 56.61 m:
	56.38 - 59.41 : mislatch, ground core, recovery ~90%

CORE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.	
66.47	66.85	.38	9291	.01	1.8			
66.85	67.35	.50	9292	.03	.9			
67.35	74.79	7.44	waste					
74.79	75.29	.50	9293	.01	.7			
75.29	75.79	.50	9294	.04	1.4			
75.79	76.30	.51	9295	.03	1.8			
76.30	76.54	.24	9296	.38	2.1			
76.54	76.81	.27	9297	3.24	1.7			
76.81	77.31	.50	9298	.05	2.0			
77.31	77.86	.55	9299	.02	1.9			
77.86	78.36	.50	9300	.01	1.1			
78.36	86.43	8.07	waste					
86.43	86.93	.50	9301	.01	1.8			
86.93	87.13	.20	9302	.02	1.2			
87.13	87.33	.20	9303	.24	2.1			
87.33	87.83	.50	9304	.01	2.0			
87.83	88.33	.50	9305	1.01	1.9			
88.33	88.82	.49	9306	.18	2.2			
88.82	89.22	.40	9307	.03	1.8			
89.22	89.45	.23	9308	.04	2.0			
89.45	89.95	.50	9309	.01	1.2			
89.95	116.40	26.45	waste					
116.40	116.90	.50	9310	.03	1.7			
116.90	117.40	.50	9311	2.06	1.6			
117.40	117.92	.52	9312	.98	1.7			
117.92	118.26	.34	9313	8.79	1.8	1.36%	= 3.32	g/t Au
118.26	118.75	.49	9314	.22	1.9			
118.75	144.76	26.01	waste					
144.76	EOH							

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

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Property: BAG L | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 10 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET/(METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	56.61 - 57.03 : bleached, sheared ? contorted, carbonatized interval with ~1-3% py+po, mainly as disseminations								
	57.03 - 57.28 : bleached, sheared, carbonatized ; 10% py as medium coarse grained blebs & minor stringers concordant with foliation.								
57.28 - 65.06	Quartz - Feldspar Porphyry								
	mildly silicified, beige to yellow-green ; contains 3-5% fine qtz phenocrysts & ~10% still visible diffuse kaolinized feldspar phenocrysts in a fine grained groundmass whose majority of feldspar phenocrysts are no longer clearly visible, <1% fine py as disseminations along narrow fractures, or along the chloritic selvages of narrow white irregular qtz veinlets up to ~1 cm wide at all possible orientations. Frequency of qtz veining : 5-10% :								
	58.29 - 59.43 : occassional thin chl - py - (qtz) stringer ≤ 2mm wide at ~55° to core axis :								
	58.29 - 58.42 : white qtz vein with several thin dark chl-py stringers at ~42° to core axis ; <1% py								
	61.04 - 61.26 : light colored bleached interval with a 2.5 cm wide qtz-py vein at ~80° to core axis plus several narrow qtz-chl veinlets at ~30° to core axis ; overall 1-3% py as stringers and disseminations								
61.06 - 66.85	"Altered Andesite"								
	mildly sheared & contorted interval similar to 54.59-57.28 m ; overall ≤3% qtz veinlets up to 5 mm wide,								

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GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

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Property BAG L | Project No. 515 | Depth | Date Began

Hole No. BAG 10 | Co ord. | Horizontal Length | Date Completed

Claim No. | | Core Size | Drilled By

Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET / (METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	1-3% dissem. py								
66.85 - 75.29	Quartz - Feldspar Porphyry beige colored, contains ~ 5% kaolinized white feldspar phenocrysts up to 2 mm wide & ~ 50% irregular beige colored feldspar phenocrysts up to 5mm wide (these are discernible only in certain portions of the interval), weakly to non-foliated, ≤ 3% qtz-carb veinlets up to ~ 5 mm wide, <1% very fine py.								
75.29 - 77.86	"Altered Andesite similar to 54.59 - 57.28; mildly to moderately well sheared; contains abundant chloritic wisps & stringers semi-parallel to foliation; 1-3% py as disseminations and larger blebs, overall 3-5% qtz-carb veinlets, many of which cross-cut foliation at ~ 35° to core axis: 76.54 - 76.81: somewhat bleached interval with two concordant white qtz veins (each ~ 2cm wide) with abundant cream colored carb, overall ~ 3% py.								
77.86 - 86.93	Quartz - Feldspar Porphyry very similar to the interval 66.85 - 75.29, poorly to non-foliated, ≤ 2% qtz veining, ~ 1% fine py								
86.93 - 89.45	"Altered Andesite" similar to 54.59 - 57.28; sheared, mottled green, some portions contain numerous small dark chloritic mafic porphyroblasts (≤ 1mm dia), 3-5% irregular thin often horsetailing qtz-carb veinlets up to .5 cm wide often oriented at ~ 10° to core axis; overall 1-2% py.								

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property: BAG L | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 10 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET / METRES	DESCRIPTION
	86.93 - 87.13 ; well-sheared, bleached, silica flooded interval with numerous thin qtz veinlets at very shallow core angles (0-10°), 1-3% dissem py.
89.45 - 98.25	Quartz-Feldspar Porphyry similar to those encountered uphole; with 5-10% qtz phenocrysts (≤ 3mm dia), 5% white kaolinized feldspar phenocrysts (≤ 3mm dia) and ~60% diffuse greenish feldspar phenocrysts (≤ 5mm dia) (these are fairly easily discernible as opposed to those quartz-feldspar porphyries encountered uphole, < 2% qtz veining, < 1% fine dissem py.
98.25 - 132.30	"Altered Andesite" similar to interval 54.59 - 57.28, dark green, poorly foliated, contorted, contains 4-8% irregular tensional qtz veinlets at all possible CA's (but there are several in the upper part of this interval that cross-cut chloritic stringers & wisps at core angles of ~30°), ≤ 1% dissem py, numerous irregular discontinuous chloritic stringers & wisps often trending ~50-55° to core axis (eg interval 103.59 - 104.59). Starts developing a "glomeroporphyritic-like" texture below 119.76 m and becomes well-developed shortly thereafter.
	116.90 - 118.26 ; interval contains short, intensely sheared intervals at ~80-90° to core axis; 10-15% sheared beige qtz-carb veins with py (≤ 2cm wide) at 70-90° to core axis; overall 1-3% py: 117.92 - 118.26 ; 15 cm wide beige, silicif.

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au. g/t	Ag. g/t	Cu.	Zn.
0	3.05	3.05	no	sludge	recovery		
3.05	4.57	1.55	9163			MISSING	
4.57	7.62	3.05	9164	.12	1.2		
7.62	10.67	3.05	9165	.17	1.8		
10.67	13.71	3.04	9166	.16	1.4		
13.71	16.76	3.05	9167	3.62	1.7		
16.76	19.81	3.05	9168	.15	1.5		
19.81	22.86	3.05	9169	.97	0.8		
22.86	25.90	3.04	9170	.18	6.3		
25.90	28.95	3.05	9171	.27	2.0		
28.95	32.00	3.05	9172	.04	2.2		
32.00	35.05	3.05	9173	.23	1.6		
35.05	38.09	3.04	9174	.16	1.4		
38.09	41.14	3.05	9175	.05	1.2		
41.14	44.19	3.05	9176	.23	1.7		
44.19	47.24	3.05	9177	.97	2.0		
47.24	56.38	9.14	9128	.03	1.8		
56.38	65.52	9.14	9129	1.04	1.5		
65.52	74.66	9.14	9130	.04	1.4		
74.66	89.90	15.24	9131	.01	1.0		
89.90	105.14	15.24	9132	.02	1.2		
no	sludge		recovery	below	105.14 m.		

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

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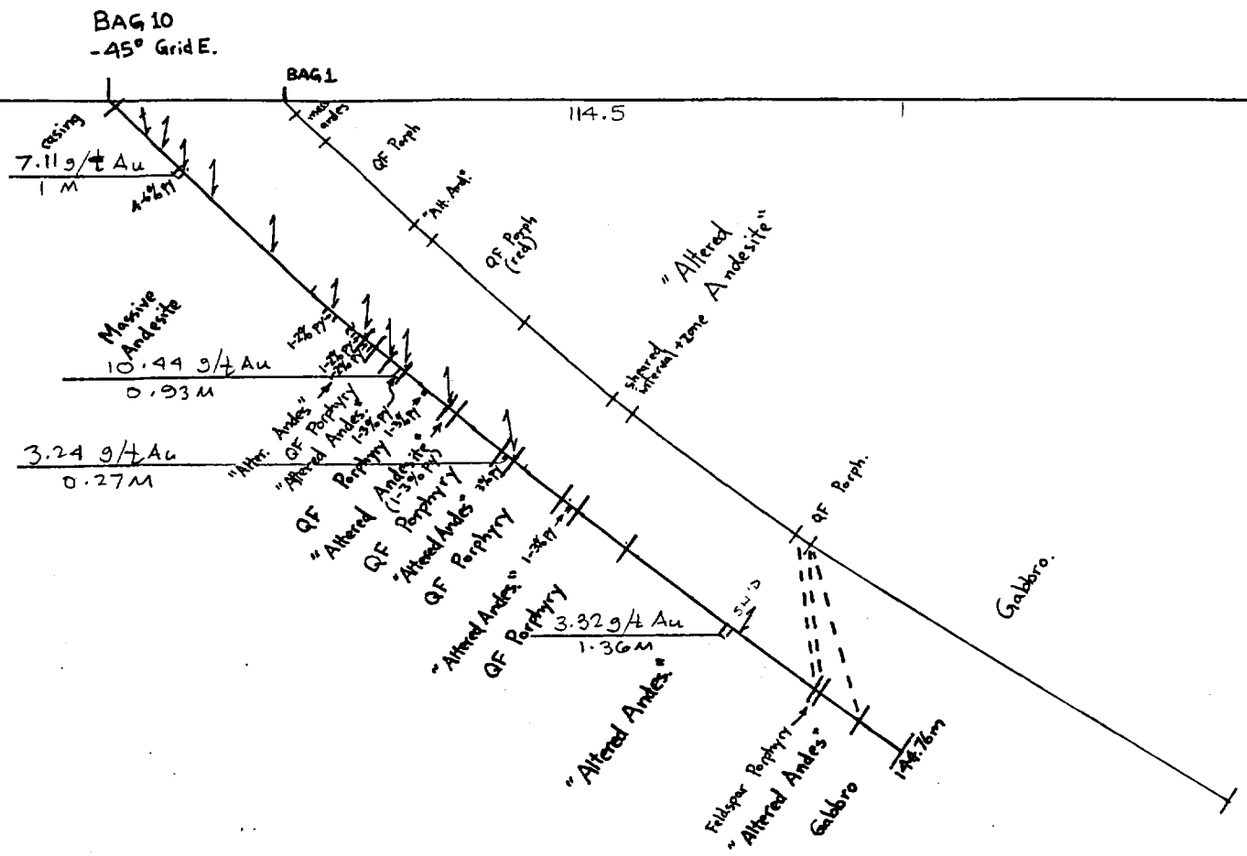
Property: BAG L | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 10 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET / METRES	DESCRIPTION	SLUDGE SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	sheared qtz-carb. vein with ~5% py as thin stringers & blebs, hostrock also carries ~5% py (± tr po) as blebs.								
132.30 - 133.40	Feldspar Porphyry ~40% white feldspar phenocrysts up to 5mm in dia in a brownish grey fine grained groundmass, unfoliated, no qtz veining, <1% py.								
133.40 - 140.55	"Altered Andesite" similar to 98.25 - 132.30 m.; grades into:								
140.55 - 144.76	Gabbro chloritic, coarse grained; 50% chloritized mafic minerals in a lighter green feldspathic groundmass, occassional epidotized fractures.								
144.76	End of Hole — hole uncemented, casing left in hole; Acid test 144.76m: 30°								

Core Angles

6.45 m: 35° weak shearing	57.15 m: 55° shearing.
9.65 m: 57° shearing, slickenslides rake ~0° to CA.	65.06 m: 45° shearing // contact
13.71 m: 49° shearing	66.85 m: 23° contact
14.30 m: 40° shearing	77.20 m: 48° shearing
19.50 m: 50° shearing.	86.93 m: 43° shearing // contact
31.45 m: 50° shearing.	87.25 m: 65° shearing.
43.42 m: 67° shearing	93.50 m: 57° fracture slickenslides rake 45° to CA.
43.75 m: 45° shearing.	96.55 m: 38° " " "rake p°."
49.80 m: 55° shearing.	98.25 m: 80° irregular contact
50.35 m: 50° shearing.	118.12 m: 85°-90° shearing.
54.59 m: 50° shearing // contact	132.30 m: 55° contact
	133.40 m: 55° contact



GRANGES EXPLORATION LTD
BAG L. OPTION
PROJECT 515
SECTION 0+20S / 0+35W
Scale 1:1000
Looking Grid N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 7

Property: BAG L | Project No.: 215 | Depth: 129.52 m | Date Began: FEB. 27/88
Hole No.: BAG 11 | Co ord.: 0+05 N | Horizontal Length: | Date Completed: FEB. 28/88
Claim No.: 882188 | 0+20 W | Core Size: BQ | Drilled By: Morissette
Grid No.: 1 | Angle & Direction: -45° Grid E | Elevation: | Logged By: B. Gaboury

INTERVAL FEET (METRES)	DESCRIPTION
0 - 3.66	Casing (core recovery from 3.32m)
3.32 - 27.04	Massive Andesite
	medium fine grained, unfoliated, very mildly brecciated; contains ~ 5% thin qtz - (epid.) veinlets up to 5 mm wide at all possible CA's, ≤ 1% fine py:
	12.00 - 15.00 ; many quartz veinlets oriented ~ 30° to core axis.
	17.32 - 17.98 ; brecciated interval with ~ 10% irregular qtz veinlets, mildly sheared portions, ~ 2% py:
	17.32 - 17.62; blocky, rubbly, pebbly
	18.60 - 18.70 ; blocky, rubbly
	20.58 - 21.03 ; well sheared, silicified & bleached interval with 20-25% qtz veins up to 2 cm dia, 1-3% py
	21.03 - 21.53 ; brecciated, bleached, silicified; 1-2% py
	25.86 - 27.04 ; moderately well sheared interval with 1-2% py overall :
	25.86 - 26.38 ; well-sheared, silicified interval with 3% py as blebs & stringers; includes a 10 cm band of silicified light colored quartz-feldspar porphyry ~ concordant with shearing.
27.04 - 34.55	Quartz - Feldspar Porphyry
	pink ↔ beige ↔ maroon colored; contains 5-10% qtz phenocrysts & 40-60% feldspar phenocrysts (some

CORE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	3.32	3.32	casing; no core recovery				
3.32	16.26	12.94	waste				
16.26	16.76	.50	9315	.06	2.2		
16.76	17.32	.56	9316	.03	1.7		
17.32	17.62	.30	9317	.03			
17.62	17.98	.36	9318				
17.98	18.48	.50	9319	.02	2.1		
18.48	18.98	.50	9320	.04	1.6		
18.98	19.48	.50	9321	.08	1.4		
19.48	19.98	.50	9322	.07	1.7		
19.98	20.58	.60	9323	.02	1.9		
20.58	21.03	.45	9324	1.10	1.1		
21.03	21.53	.50	9325	.20	1.8		
21.53	22.03	.50	9326	.09	1.5		
22.03	25.36	3.33	waste				
25.36	25.86	.50	9327	.03	1.9		
25.86	26.38	.52	9328	2.23	1.7		
26.38	27.04	.66	9329	.01	2.3		
27.04	27.52	.48	9330	.03	1.2		
27.52	33.55	6.03	waste				
33.55	34.05	.50	9331	.01	.8		
34.05	34.55	.50	9332	.02	.7		
34.55	34.71	.16	9333	.01	1.4		
34.71	35.26	.55	9334	.01	1.9		
35.26	35.59	.33	9335	.04	1.6		
35.59	36.09	.50	9336	.02	1.7		
36.09	46.73	10.64	waste				
46.73	46.23	.50	9337	.18	1.5		
46.23	46.56	.33	9338	.29	1.1		
46.56	46.91	.35	9339	.42	1.3		
46.91	47.45	.54	9340	.98	1.9		
47.45	47.95	.50	9341	.04	1.7		
47.95	48.45	.50	9342	.01	1.8		
48.45	48.95	.50	9343	.01	2.0		
48.95	49.45	.50	9344	.02	1.2		
49.45	49.60	.15	9345	.01	2.1		
49.60	49.89	.29	9346	.02	2.2		
49.89	50.39	.50	9347	.02	2.2		
50.39	50.82	.43	9348	.40	2.0		
50.82	51.32	.50	9349	1.33	2.3		

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property: BAG L | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 11 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET / METRES	DESCRIPTION	CORE SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
	replaced by pinkish limonitized kaolinite, mild localized shearing, << 2% qtz veining, no visible sulfides.	51.32	51.62	.30	9350	.73	2.1		
		51.62	51.95	.33	9351	.21	2.2		
		51.95	52.45	.50	9352	.01	2.0		
		52.45	52.85	.40	9353	.02	2.3		
		52.85	53.26	.41	9354	.03	1.8		
34.55 - 38.64	"Altered Andesite"	53.26	53.77	.51	9355	.01	2.3		
		53.77	54.27	.50	9356	.37	2.2		
	poorly to mildly sheared, medium fine to medium grained, mottled greenish, contains ~ 5% small dark chloritic matic porphyroblasts; contains lighter colored discrete irregular silicic patches up to ~ 5mm wide (sometimes with brownish limonitized fractures) in a softer chloritic (carbonatized ?) groundmass; overall ≤ 3% qtz veinlets up to .5cm wide at all possible orientations, ~ 1% py as blebs!	54.27	54.77	.50	9357	.02	1.6		
		54.77	55.27	.50	9358	.18	1.0		
		55.27	55.69	.42	9359	.01	1.3		
		55.69	56.19	.50	9360	.02	1.0		
		56.19	88.90	32.71	waste				
		88.90	89.40	.50	9361	.77	2.0		
		89.40	89.90	.50	9362	.19	1.6		
		89.90	90.39	.49	9363	.18	2.3		
		90.39	90.61	.22	9364	1.82	2.2		
		90.61	91.11	.50	9365	.03	2.1		
		91.11	91.70	.59	9366	.02	1.6		
		91.70	91.82	.12	9367	.03	2.0		
		91.82	92.32	.50	9368	.01	2.1		
		92.32	95.85	3.53	waste				
38.64 - 39.74	Feldspar Porphyry	95.85	96.35	.50	9369	.02	1.8		
		96.35	96.85	.50	9370	1.23	2.0		
	contains ~ 40 - 60% white feldspar phenocrysts up to 5mm dia in a dark brownish grey, fine grained groundmass; < 2% very thin qtz veinlets at all orientations, no visible py, non-foliated.	96.85	97.15	.30	9371	1.12	1.0		
		97.15	97.47	.32	9372	.36	1.2		
		97.47	97.97	.50	9373	.05	1.0		
		97.97	98.37	.40	9374	.04	1.4		
		98.37	98.79	.42	9375	.02	1.7		
		98.79	99.29	.50	9376	.01	2.0		
39.74 - 48.95	"Altered Andesite"	99.29	99.84	.55	9377	.03	2.1		
		99.84	100.34	.50	9378	.02	1.5		
	same as interval 34.55 - 38.64 m	100.34	100.84	.50	9379	.04	1.2		
		100.84	101.34	.50	9380	.01	1.8		
	46.23 - 47.45: brecciated, very mildly sheared, somewhat bleached interval with ~50% qtz veining & 1-2% py;	101.34	101.84	.50	9381	.01	2.0		
		101.84	102.01	.17	9382	.03	1.7		
		102.01	102.33	.32	9383	.03	1.2		
		102.33	102.63	.30	9384	2.92	1.3		
	46.23 - 46.91: white qtz vein with ~ 20% bleached pyritic wallrock inclusions with carb - rich	102.63	102.94	.31	9385	4.44	2.1		
		102.94	103.11	.17	9386	4.30	2.0		
		103.11	103.61	.50	9387	.16	1.4		

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Page 3 of 7

Property: BAG L. | Project No.: 512 | Depth: | Date Began:
Hole No.: BAG 11 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET (METRES)	DESCRIPTION	CORE SAMPLE RECORD							
		FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
	selvages, overall 1-2% py.	103.61	104.10	.49	9388	.01	1.0		
		104.10	129.52	25.42	waste				
		129.52	EOH.						
48.95-49.60	Feldspar Porphyry								
	same as interval 38.64 - 39.74 m.								
49.60-53.77	"Altered Andesite"								
	same as interval 34.55 m - 38.64 m.								
	50.39 - 51.95 ; bleached, brecciated, silicified; 35-40% qtz veins at all possible orientations (most are ≤ 2cm wide), 3-5% py								
	50.39 - 50.82 ; 15-20% qtz-carb veining; 3-5% dissem. py.								
	50.82 - 51.32 ; well-brecciated, silica-flooded, well bleached, 3-5% py as disseminations and some stringers at ~45° to core axis (identical in appearance to the silica flooded portion of the interval which ran 1.102 g/2.36 m in BAG 1)								
	51.32 - 51.95 ; 15-20% qtz-carb veinlets up to 1cm wide with bleached wallrock selvages, 3-5% py overall, rock has a coarse grained gabbroic texture.								
	53.26 - 53.77 : mildly sheared interval with ~1-2% dissem. py; includes a sheared qtz veinlet at ~60° to core angle (concordant with shearing)								

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property: BAG L. | Project No.: 512 | Depth: | Date Began:
Hole No.: BAG 11 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET/(METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
53.77 - 55.69	Feldspar Porphyry similar to interval 38.64 - 39.74 m except feldspars are more diffuse and it contains ~ 5% small hornblende phenocrysts, almost no quartz veining, 1-2% fine py.					1	1		
55.69 - 63.89	"Altered Andesite" mottled green, medium grained, "glomeroporphyritic-like, contains occassional large fracture white feldspar porphyroblast and occassional irregular chloritic stringer, < 2% thin qtz veinlets at all orientations, ~1% py as disseminations, some sections with 10-15% chloritic mafic porphyroblasts up to ~ 2mm dia in a fine green homogenized chloritic groundmass (eg near lower contact), chloritic stringers generally trend 40-50° to core axis.								
63.89 - 68.73	Quartz - Feldspar Porphyry 5-10% qtz phenocrysts & ~ 50-60% white feldspar phenocrysts in a beize to grey fine grained groundmass, < 2% qtz veinlets at all orientations, ~ 1% medium fine py, occassional slickenslided fracture at ~ 45° to core axis.								
68.73 - 78.08	"Altered Andesite" very similar to interval 55.69 - 63.89 m.; < 2% qtz veining, ≤ 1% py.								
78 - 86.43	Quartz - Feldspar Porphyry ~ 10% qtz phenocrysts & 50-60% diffuse greenish feldspar phenocrysts plus ~ 5% smaller white kaolinized feldspar phenocrysts in a greenish grey groundmass, < 2% qtz veining, ~ 1% py.								

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GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property BAG L. Project No. 515 Depth Date Began

Hole No. BAG 11 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET (METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
86.43 - 122.17	"Altered Andesite"								
	very similar to interval 55.69 - 63.89 m:								
	86.43 - 108.40 : 10-15% small chloritized mafic porphyroblasts in a greenish homogenized medium fine grained chloritic groundmass:								
	90.39 - 90.61 : sheared, contorted, carbonatized & silicified beige interval with ~3% py as blebs & stringers at ~60° to core axis (concordant with shearing)								
	91.70 - 91.82 : sheared, carbonatized, silicified beige interval, tr py CA's 65-70°								
	96.35 - 97.47 : brecciated & very mildly sheared, mildly bleached interval with abundant cross-cutting chloritic stringers, patchy silicification, 1-2% dissem py.								
	98.37 - 98.79 : ~2 cm wide qtz-carb-epid-py veinlet at ~10° to core axis								
	101.84 - 102.01 : bleached, sheared, carbonatized; 1-3% dissem. py.								
	102.33 - 103.11 : bleached, carbonatized, silicified interval with localized silicified shears; ~3% py:								
	102.63 - 102.94 : well-sheared, silica-flooded, bleached interval with 3-5% py as stringers & disseminations; abundant cream colored carbonate.								

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GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Page 6 of 7

Property: BAG L. | Project No.: 515 | Depth | Date Began
Hole No.: BAG 11 | Co ord. | Horizontal Length | Date Completed
Claim No. | Core Size | Drilled By
Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET / (METRES)	DESCRIPTION
	108.40 - 122.17 ; rock aquires "glomeroporphyritic-like" texture :
	119.28 - 122.17 : appearance of patches where rock is medium coarse grained gabbroic in texture and composition ; the other portions consist of ~5-10% small chloritic matic porphyroblasts in a fine grained chloritic groundmass
122.17 - 128.89	Gabbro
	chloritized , medium coarse grained , minor epidotized fractures.
128.89 - 129.52	Quartz - Feldspar Porphyry
	<5% qtz phenocrysts & ~ 50% white feldspar phenocrysts in a dark grey - brown groundmass , generally non-foliated , <3% qtz veinlets , ≤ 1% py.
129.52	End of Hole
	hole unsemented , casing left in hole
	Acid test 129.52 m : 32°

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	7.62	7.62	9133	.01	1.4		
7.62	10.67	3.05	9134	.02	1.5		
10.67	13.71	3.04	9135	.01	0.8		
13.71	16.76	3.05	9136	.01	1.0		
16.76	19.81	3.05	9137	.01	0.5		
19.81	22.86	3.05	9138	.20	1.8		
22.86	25.90	3.04	9139	.02	1.7		
25.90	28.95	3.05	9140	.18	2.1		
28.95	32.00	3.05	9141	.01	0.7		
32.00	35.05	3.05	9142	.01	1.6		
35.05	38.09	3.04	9143	.12	6.2		
38.09	41.14	3.05	9144	.08	2.4		
41.14	44.19	3.05	9145	.03	3.2		
44.19	47.24	3.05	9146	.14	2.2		
47.24	50.28	3.04	9147	.19	1.9		
50.28	53.34	3.05	9148	.42	2.3		
53.34	56.38	3.05	9149	.43	3.8		
56.38	59.43	3.05	9150	.39	2.2		
59.43	62.47	3.04	9101	.22	2.0		
62.47	65.52	3.05	9102	.10	2.3		
65.52	68.57	3.05	9103	.20	1.9		
68.57	71.62	3.05	9104	.12	1.0		
71.62	74.66	3.04	9105	.08	1.7		
74.66	77.71	3.05	9106	.2	2.1		
77.71	80.76	3.05	9107	.07	1.7		
80.76	83.81	3.05	9108	.08	1.8		
83.81	86.85	3.04	9109	.02	1.0		
86.85	89.90	3.05	9110	.01	2.0		
89.90	92.95	3.05	9111	.61	2.1		
92.95	96.00	3.05	9112	.07	2.2		
96.00	99.04	3.04	9113	.21	2.3		
99.04	102.09	3.05	9114	.39	2.4		
102.09	105.14	3.05	9115	.41	1.9		
105.14	108.19	3.05	9116	.24	2.5		
108.19	111.23	3.04	9117	.42	2.3		
111.23	114.28	3.05	9118	.08	1.8		
114.28	117.33	3.05	9119	.18	1.9		
117.33	120.38	3.05	9120	.09	1.6		
120.38	123.42	3.04	9121	.02	1.5		
123.42	126.47	3.05	9122	.01	1.7		

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GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Property: BAG L. | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 11 | Co ord. | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET / METRES	DESCRIPTION
	CORE ANGLES
17.98 m	60° shearing
20.80 m	32° shearing
26.10 m	42° shearing
29.62 m	37° slickenslided fracture ; rake = 0°
34.55 m	40° shearing // contact
35.26 m	45° shearing.
38.64 m	49° contact
39.74 m	44° contact.
46.91 m	47° shearing
55.69 m	32° contact
63.89 m	52° contact
65.86 m	55° slickenslided fracture ; rake 75°
66.55 m	47° slickenslided fracture ; rake 80°
68.73 m	45° contact.
78.08 m	40° contact.
86.43 m	37° contact.
90.50 m	60° shearing.
91.75 m	67° shearing.
97.00 m	54° shearing.
101.90 m	60° shearing.
102.42 m	75° shearing.
102.65 m	75° shearing.

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au oz/t	Ag g/t	Cu.	Zn.
126.47	129.52	3.05	9123	.02	1.9		

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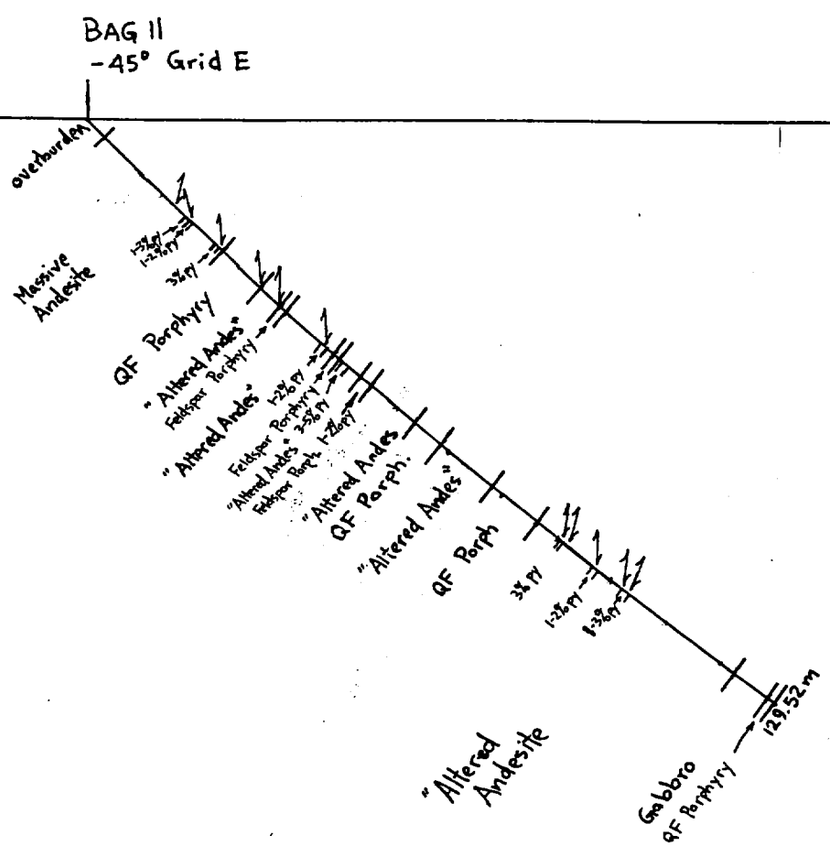

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BAG L. OPTION
PROJECT 515
Section 0+05N / 0+20W
Scale 1:1000
Looking Grid N.

GRANGES EXPLORATION LTD.

DIAMOND DRILL LOG

Page 1 of 5

Property: BAG L. | Project No.: 515 | Depth: 144.76 m. | Date Began: FEB 28/88
Hole No.: BAG 12 | Co ord.: 0+45S | Horizontal Length: [illegible] | Date Completed: MARCH 1/88
Claim No.: 882188 | 0+30W | Core Size: BQ. | Drilled By: Morissette
Grid No.: 1 | Angle & Direction: -45° Grid E | Elevation: | Logged By: B. Gaboury

INTERVAL FEET (METRES)	DESCRIPTION
0 - 3.66	Casing (no core recovery)
3.66 - 3.90	granitic pebbles
3.90 - 25.57	Massive Andesite
	mildly to non-foliated, green, medium fine grained, overall 3-5% qtz-carb veinlets up to 1cm wide at all orientations, ≤ 1% py; foliation decreases below 19.80m:
	3.90 - 4.70 : blocky, rubbly interval with limonite-coated fractures
	5.67 - 5.82 : rubbly, pebbly interval ; minor fault.
	6.44 - 6.69 : rubbly, pebbly, limonitized ; minor fault
	9.07 - 9.53 : brecciated silicified greyish bleached interval with 1-3% dissem py, some coarse, cream-colored carb.
	11.07 - 11.22 : bleached, silicified interval similar to 9.07 - 9.53, 1-2% py.
25.57 - 35.02	"Altered Andesite"
	mottled green medium fine grained; contains ~5% sub-mm sized flesh-colored carb crystals and up to 10% small mafic chloritic porphyroblasts in a green, chloritic, locally epidotized groundmass; mildly brecciated containing 3-5% qtz-carb-(chl)-(epid) fracture infillings (no preferred orientation), ~1% medium fine dissem py; becomes darker colored & somewhat mildly sheared below 32.00m.
35.02 - 68.89	Quartz-Feldspar Porphyry
	unfoliated; varies from reddish, limonitized to greenish

CORE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	3.66	3.66	casing ; no core recovery				
3.66	3.90	.24	pebbles ; no core recovery				
3.90	8.57	4.67	waste				
8.57	9.07	.50	9389	.04	1.8		
9.07	9.53	.46	9390	.16	1.7		
9.53	10.03	.50	9391	.03	1.6		
10.03	10.63	.60	9392	.01	2.1		
10.63	11.07	.44	9393	.02	1.5		
11.07	11.22	.15	9394	.12	1.0		
11.22	11.72	.50	9395	.19	1.2		
11.72	39.39	27.67	waste				
39.39	39.89	.50	9396	.04	1.0		
39.89	40.46	.57	9397	.58	1.7		
40.46	40.96	.50	9398	.03	.8		
40.96	48.78	7.82	waste				
48.78	49.28	.50	9399	.01	.9		
49.28	49.78	.50	9400	.22	1.2		
49.78	50.18	.40	9401	.02	.9		
50.18	61.81	11.63	waste				
61.81	62.31	.50	9402	.17	1.0		
62.31	62.50	.19	9403	.18	.8		
62.50	63.00	.50	9404	.06	.8		
63.00	63.50	.50	9405	.01	.7		
63.50	63.90	.40	9406	.03	1.5		
63.90	64.03	.13	9407	1.00	.8		
64.03	64.50	.47	9408	.13	.6		
64.50	65.00	.50	9409	.01	.7		
65.00	68.32	3.32	waste				
68.32	68.89	.57	9410	.01	.5		
68.89	69.32	.43	9411	.04	1.5		
69.32	69.82	.50	9412	.01	2.0		
69.82	70.32	.50	9413	.02	1.2		
70.32	72.69	2.37	waste				
72.69	73.19	.50	9414	.01	1.6		
73.19	73.52	.33	9415	.35	1.7		
73.52	73.80	.28	9416	.02	1.0		
73.80	74.30	.50	9417	.01	1.0		
74.30	80.94	6.64	waste				
80.94	81.44	.50	9418	.01	.9		
81.44	81.56	.12	9419	.01	2.0		

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DIAMOND DRILL LOG

Page 2 of 5

Property BAG L | Project No. 515 | Depth | Date Began

Hole No. BAG 12 | Coord. | Horizontal Length | Date Completed

Claim No. | | Core Size | Drilled By

Grid No. | Angle & Direction | Elevation | Logged By

INTERVAL FEET (METRES)	DESCRIPTION	CORE SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
	silicified ; contains 60-70% feldspar phenocrysts, 5-10% qtz phenocrysts, 5-10% small, matic, chloritic (hornblende) phenocrysts (~ 5% of feldspar phenocrysts are smaller light-colored & kaolinized) ; contains 3-5% pinkish limonitized qtz-carb veinlets, with bleached greyish wallrock selvages, ≤5mm wide at all possible orientations ; contains ~1% py up to 45.29 m & <1% py below 45.29 m:	81.56	81.96	.40	9420	.04	1.6		
		81.96	82.34	.38	9421	.03	1.5		
		82.34	82.84	.50	9422	.01	2.1		
		82.84	90.36	7.52	waste				
		90.36	90.86	.50	9423	.01	1.9		
		90.86	91.15	.29	9424	.01	1.8		
		91.15	91.65	.50	9425	.04	1.7		
		91.65	103.58	11.93	waste				
	38.71 - 39.87 : silicified	103.58	104.08	.50	9426	.02	2.0		
		104.08	104.57	.49	9427	.07	1.4		
	39.87 - 42.91 : greenish silicified ; feldspar phenocrysts are not readily discernible:	104.57	104.94	.37	9428	.20	1.0		
		104.94	105.44	.50	9429	.01	.9		
		105.44	105.94	.50	9430	.01	1.6		
	39.87 - 40.46 : brecciated, silicified interval with cross-cutting qtz-carb-(py)-(limy) veinlets up to 2cm wide at all orientations ; includes a 10 cm wide chloritic shear at ~40° to core axis, some fractures are slickenslided with ~10° rakes, 1-2% py.	105.94	106.59	.45	9431	.01	1.0		
		106.59	106.78	.19	9432	.85	1.2		
		106.78	107.28	.50	9433	.02	1.8		
		107.28	107.78	.50	9434	.03	1.1		
		107.78	108.31	.53	9435	.04	2.0		
		108.31	108.86	.55	9436	.08	1.8		
		108.86	109.39	.53	9437	.06	1.9		
		109.39	109.71	.32	9438	.39	1.6		
		109.71	110.21	.50	9439	.05	1.7		
	51.18 - 68.89 : rock loses its reddish color & feldspar phenocrysts become more readily discernible, less silicified, no quartz veining, <1% py :	110.21	110.71	.50	9440	.03	1.6		
		110.71	111.10	.39	9441	.01	1.4		
		111.10	111.41	.31	9442	.01	1.0		
		111.41	111.91	.50	9443	.02	1.4		
	49.28 - 49.78 : Minor Fault ; well-sheared, well-sericitized rubble.	111.91	118.23	6.32	waste				
		118.23	118.57	.34	9444	.01	1.2		
		118.57	118.68	.11	9445	.09	1.6		
	62.31 - 64.50 : greenish, silicified ; ~1% py	118.68	119.28	.60	9446	.01	2.0		
		119.28	119.88	.60	9447	.02	1.6		
	62.31 - 62.50 : 3cm wide qtz-py vein with chloritic selvages, CA's ~33°.	119.88	120.50	.62	9448	.02	1.5		
		120.50	120.75	.25	9449	.05	1.7		
		120.75	121.25	.50	9450	.01	2.0		
		121.25	121.75	.50	9451	.03	2.1		
	63.50 - 63.90 : bleached yellowish section with a 5cm qtz-chl-py stringer at ~18° to core axis.	121.75	144.76	23.01	waste				
		144.76	EOH						

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DIAMOND DRILL LOG

Property BAG L. Project No. 515 Depth Date Began

Hole No. BAG 12 Co ord. Horizontal Length Date Completed

Claim No. Core Size Drilled By

Grid No. Angle & Direction Elevation Logged By

INTERVAL FEET (METRES)	DESCRIPTION	SAMPLE RECORD FROM	TO	WIDTH	SAMPLE	Au.	Ag.	Cu.	Zn.
	63.90 - 64.03 : sheared qtz-carb-py vein at ~43° to core axis (~2cm wide)								
68.89 - 96.60	"Altered Andesite"								
	mottled green, mildly sheared, contains irregular greyish patches up to several mm dia in a dark greenish medium fine grained chloritic groundmass. Some sections with ~10% sub-mm sized chloritized mafic porphyroblasts, contains cross-cutting chloritic stringers:								
	68.89 - 69.82 : chloritic, mildly sheared, carbonatized interval with ~10% qtz-carb veinlets, 1-2% py.								
	71.87 - 72.66 : 40 cm of ground core.								
	73.19 - 73.80 : sheared, chloritic interval with 10% qtz-py veinlets, ~2% dissem. py.								
	81.44 - 82.34 : interval with mild to moderate but patchy shearing & 10% qtz-chl-(py) veinlets:								
	81.44 - 81.56 : qtz-chl vein with tr py, CA ~37°								
	below 83.60 m rock acquires "glomeroporphyritic-like" texture; it also contains occassional large fractured feldspar porphyroblast, basically unfoliated:								
	90.86 - 91.15 : two sheared qtz-chl veins; one 10cm wide at CA ~40°, the other 3cm wide at CA ~50° in opposite direction to the first vein; tr py in both.								
96.60 - 97.20	Feldspar Porphyry								
	40-50% white feldspar phenocrysts in a fine grained dark brownish grey groundmass.								

Use Black Pen Only

GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property: BAG L | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 12 | Co ord.: | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET (METRES)	DESCRIPTION
97.20 - 111.41	"Altered Andesite"
	similar to interval 68.89 - 96.60 m.
	103.08 - 110.71 : mildly to moderately well-sheared interval with 10-15% sheared greyish pyritic silicified bands up to 2cm wide, frequency of these bands is ~4 veinlets per metre, many at fairly steep CA's, overall ~1% py, ~5% small dissem. flesh colored carbonate crystals;
	* 104.08 - 104.57 : bleached, well-sheared, 1-2% py
	* 104.57 - 104.94 : brecciated, silica-carb flooded interval with 20-30% bleached, pyritic wallrock inclusions with carb-rich selvages; ~bottom 10 cm of the interval is sheared at ~60° to core axis, overall 1-2% py.
	* 106.59 - 106.78 : sheared, bleached, carbonatized, silica-flooded, greyish interval with 1-2% py
	109.39 - 109.71 : moderately well-sheared; contains ~20% fine qtz veinlets, overall ~1% py.
111.41 - 144.76	Gabbro
	chloritized, medium coarse grained, unfoliated; contains minor qtz-epid-chl veinlets, minor sheared chloritic intervals;

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
0	7.62	7.62	9124	.01	2.0		
7.62	10.67	3.05	9125	.01	2.1		
10.67	13.71	3.04	9176	.03	1.6		
13.71	16.76	3.05	9177	.03	1.9		
16.76	19.81	3.05	9178	.07	2.1		
19.81	22.86	3.05	9179	.18	1.8		
22.86	25.90	3.04	9180	.03	1.4		
25.90	28.95	3.05	9181	.11	1.7		
28.95	32.00	3.05	9182	.04	1.8		
32.00	35.05	3.05	9183	.03	1.9		
35.05	38.09	3.04	9184	.08	1.6		
38.09	41.14	3.05	9185	.19	0.9		
41.14	44.19	3.05	9186	.18	1.3		
44.19	47.24	3.05	9187	.24	1.2		
47.24	50.28	3.04	9188	.06	0.8		
50.28	53.33	3.05	9189	.22	1.7		
53.33	56.38	3.05	9190	.17	1.2		
56.38	59.43	3.05	9191	.68	0.6		
59.43	62.47	3.04	9192	.41	1.3		
62.47	65.52	3.05	9193	.93	0.4		
65.52	68.57	3.05	9194	.91	1.0		
68.57	71.62	3.05	9195	.52	1.1		
71.62	74.66	3.04	9196	.34	7.9		
74.66	77.71	3.05	9197	.06	1.8		
77.71	80.76	3.05	9198	.02	1.7		
80.76	83.81	3.05	9199	.03	1.6		
83.81	86.85	3.04	9200	.02	1.7		
86.85	89.90	3.05	9201	.02	1.2		
89.90	92.95	3.05	9202	.03	1.8		
92.95	96.00	3.05	9203	.18	1.3		
96.00	99.04	3.04	9204	.07	1.4		
99.04	102.09	3.05	9205	.02	0.8		
102.09	105.14	3.05	9206	.17	1.3		
105.14	108.19	3.05	9207	.19	0.9		
108.19	111.23	3.04	9208	.04	2.0		
111.23	114.28	3.05	9209	.16	1.8		
114.28	117.33	3.05	9210	.03	2.1		
117.33	120.38	3.05	9211	.15	1.2		
120.38	123.42	3.04	9212	.11	2.0		
123.42	126.47	3.05	9213	.03	0.9		

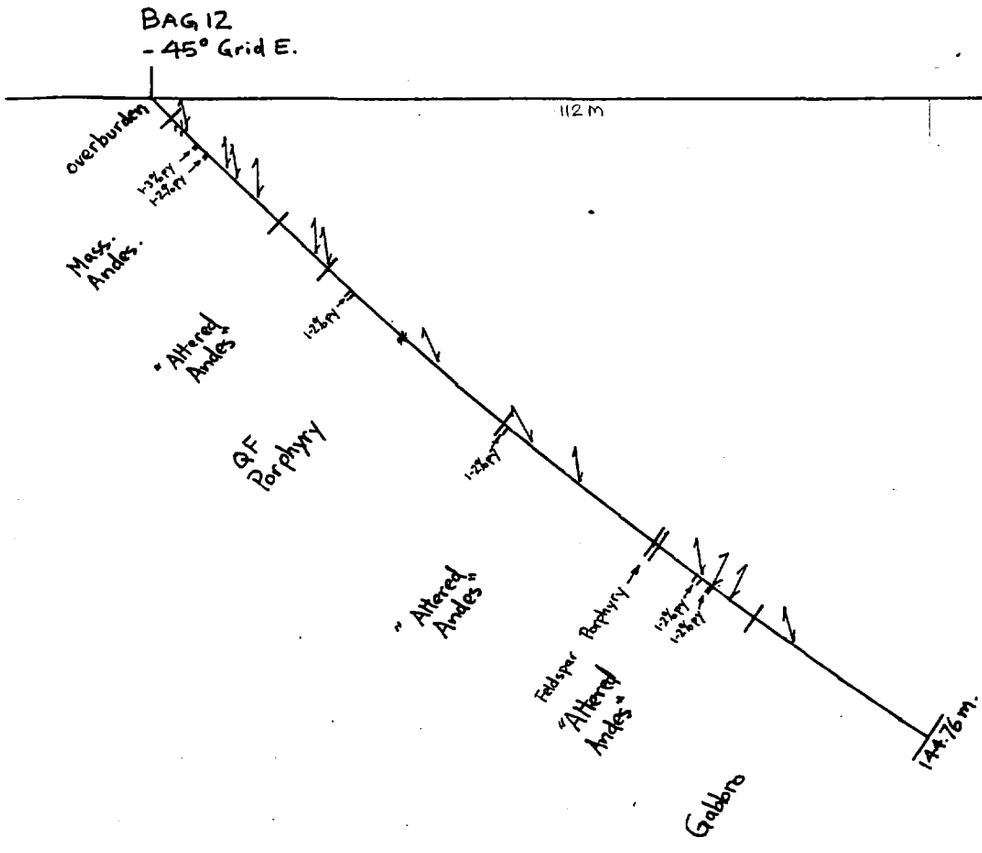
GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG

Property: BAG L. | Project No.: 515 | Depth: | Date Began:
Hole No.: BAG 12 | Co ord. | Horizontal Length: | Date Completed:
Claim No.: | | Core Size: | Drilled By:
Grid No.: | Angle & Direction: | Elevation: | Logged By:

INTERVAL FEET (METRES)	DESCRIPTION
	118.51 - 118.68 ; chloritized, sheared ; 20% horsetailing fine qtz veinlets ; tr py overall.
	118.68 - 121.75 ; patchy chloritized, sheared homogenized gabbro with tr py.
144.76	End of Hole hole uncemented, casing left in hole
	Acid Test. 144.76 m : 31°
	CORE ANGLES
	5.55 m ; 40° shearing
	6.07 m ; 33° shearing
	14.46 m ; 42° shearing
	16.46 m ; 37° shearing
	20.56 m ; 45° shearing
	32.10 m ; 45° shearing
	34.90 m ; 39° shearing
	35.02 m ; 45° contact
	49.28 m ; 58° slickenslided fracture ; rake = 90°
	56.00 m ; 25° shearing with slickenslides raking ~ 20° to core axis
	73.19 m ; 23° shearing // qtz veinlets
	82.25 m ; 45° shearing
	96.60 m ; ~85° contact
	97.20 m ; ~85° contact
	104.50 m ; 45° shearing
	106.65 m ; 80° shearing
	109.60 m ; 80° shearing.
	119.60 m ; 40° shearing // qtz vnlts.
	120.62 m ; 40° shearing.

SLUDGE SAMPLE RECORD

FROM	TO	WIDTH	SAMPLE	Au g/t	Ag g/t	Cu.	Zn.
126.47	129.52	3.05	9214	.02	1.4		
129.52	132.57	3.05	9215	.03	1.7		
132.57	135.61	3.04	9216	.04	1.6		
135.61	138.66	3.05	9217	.02	1.8		
138.66	141.71	3.05	9218	.01	1.3		
141.71	144.76	3.05	9219	.02	1.1		



GRANGES EXPLORATION LTD
BAG L. OPTION
PROJECT 515
Section 0+45S/0+30W
Scale 1:1000
Looking Grid N.

Ministry of Northern Development and Mines
Ontario

Report of Work

DOCUMENT No. W8801.096

TWEEDSMUIR M-2023 Mining A

52F05SE0003 11 TWEEDSMUIR

900

Name and Post. ..ddress of Recorded Holder

GRANGES EXPLORATION LTD. | T1970

23rd Floor, 885 West Georgia St., Vancouver, BC., V6C 3E8

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	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.
400	K	1003408	200						
for Performance of the following work. (Check one only)	[redacted]	1003410	200	[redacted]			[redacted]		
☐ Manual Work									
☐ Shaft Sinking Drifting or other Lateral Work.									
☐ Compressed Air, other Power driven or mechanical equip.									
☐ Power Stripping									
☑ Diamond or other Core drilling									
☐ Land Survey									

All the work was performed on Mining Claim(s): K 1003408

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

539 feet diamond drilling, BQ core

N. Morissette Canada Inc. contractor for Granges Exploration Ltd.

DDH's Bag 7 and 8 - Feb 8 - Mar 5/88

KENORA MINING DIV. RECEIVED MAR 31 1988 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE APR 20 1988 RECEIVED

Date of Report: March 28/88

Recorded Holder or Agent (Signature): [signature]

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

GEORGE ZBITNOFF, Vice-President Exploration, Granges Exploration Ltd.

(as above)

Date Certified: March 28/88

Certified by (Signature): [signature]

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. 1003404	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	Signed core log showing; footage, diameter of		Work Sketch (as

Ontario — Ministry of Northern Development and Mines

Report of Work — Mining Act

DOCUMENT No. W8801·097

TCEDSM41R m·2023

Instructions – Supply required data on a separate form for each type of work to be recorded (see table below).
– For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Name and Postal Address of Recorded Holder	Prospector's Licence No.
GRANGES EXPLORATION LTD.	T1970
23rd Floor, 885 West Georgia St., Vancouver, BC., V6C 3E8	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 2320

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☑ Diamond or other Core drilling
- ☐ Land Survey

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.
K	882188	180	K	1003406	200			
	882189	180		1003407	200			
	882190	180		1003409	200			
	882191	180		1003411	200			
	898734	200						
	898735	200						
	1003404	200						
	1003405	200						

All the work was performed on Mining Claim(s): K 882188

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

2334 feet diamond drilling, BQ core

N. Morissette Canada Inc. contractor for Granges Exploration Ltd.

DDH'S BAG-1, 2, 10, 11 and 12 Feb 8 - Mar 5/88

KENORA MINING DIV. RECEIVED MAR 31 1988 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Date of Report	Recorded Holder or Agent (Signature)
March 28/88	

Certification Verifying Report of Work

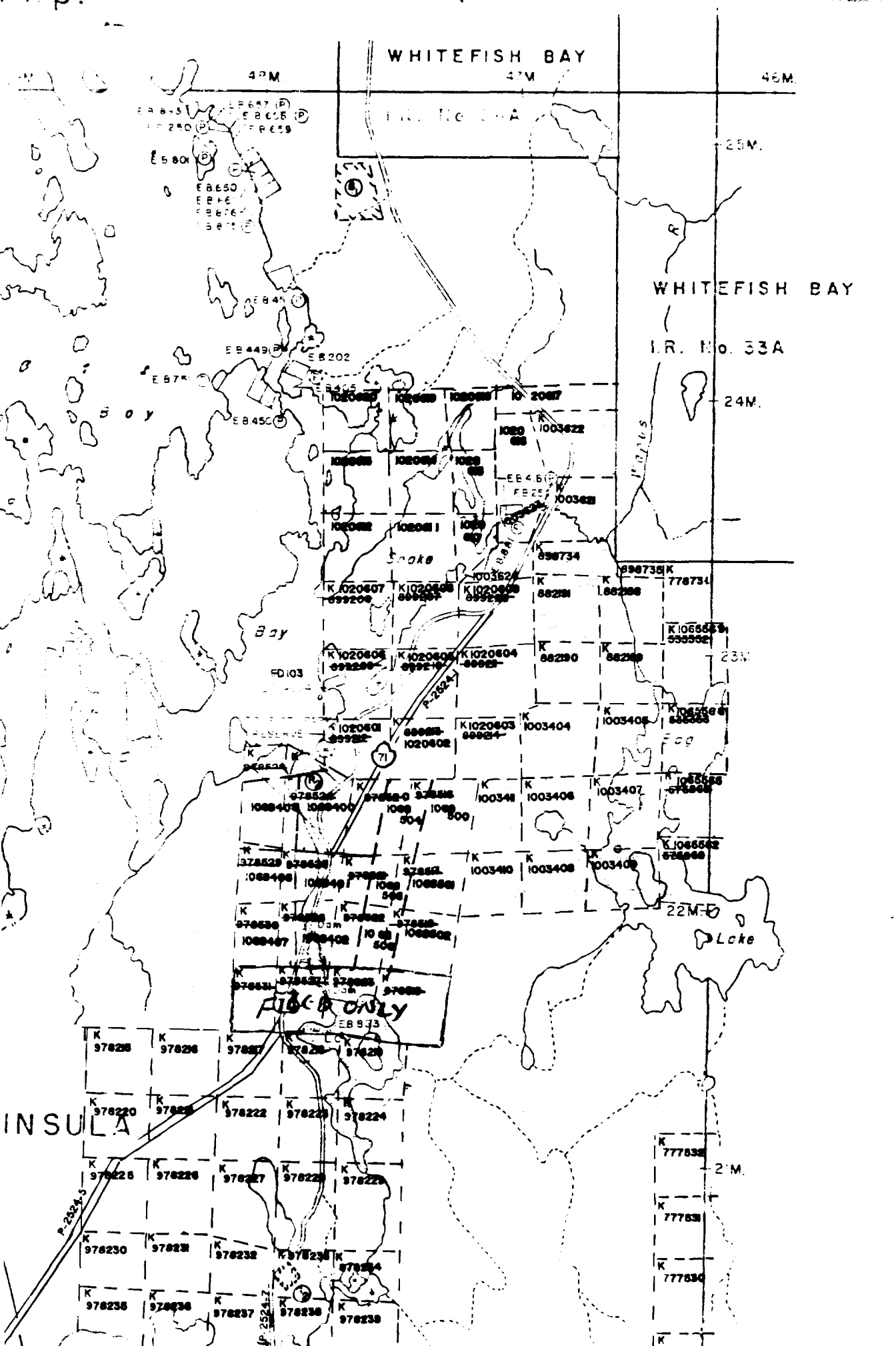
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying	Date Certified	Certified by (Signature)
GEORGE ZBITNOFF, Vice-President Exploration, Granges Exploration Ltd. (as above)	March 28/88	

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. 882188	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	Signed core log showing; footage, diameter of		Work Sketch (as

Twp.



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SCALE: 1-

PATENTED LA
CROWN LAND
LEASES
LOCATED LAND
LICENSE OF
MINING RIGHTS
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400' Reserve
Dept. of Land

Islands in Lake
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Flooding rights
mean sea level
Lake of the W

AREAS WITH

S.R. SURFACE R

INVOICE

N. MORISSETTE CANADA INC.

BOX 789 HAILEYBURY, ONTARIO TELEX 067-82590
TEL. (705) 672-3311 TELECOPIER (705) 672-2371

IN ACCOUNT WITH

Granges Exploration Ltd.,
372 Toke Street,
TIMMINS, Ontario.
P4N 6V7

- Dr -

INVOICE NO.	2560
CUSTOMER NO.	1034
JOB NO.	1083
DEST.	069
INVOICE DATE	February 26, 1988.
FOR	February 1-15, 1988.

To invoice for Surface Diamond Drilling performed on the Sioux Narrows Area property during the period Feb. 1-15/88 as per the agreement dated Oct. 19/87.

Hole #	Size	From	To	Total	Rate	Amount
ML-15	B.Q. Drilling	266'	280'	14'	$21.00	$ 294.00
BAG-1	Overburden	0'	10'	10'	$21.00	210.00
	B.Q. Drilling	10'	500'	490'	$21.00	10,290.00
	B.Q. Drilling	500'	565'	65'	$22.00	1,430.00
BAG-2	Overburden	0'	10'	10'	$21.00	210.00
	B.Q. Drilling	10'	395'	385'	$21.00	8,085.00
BAG-3	Overburden	0'	10'	10'	$21.00	210.00
	B.Q. Drilling	10'	325'	315'	$21.00	6,615.00
BAG-4	Overburden	0'	12'	12'	$21.00	252.00
	B.Q. Drilling	12'	385'	373'	$21.00	7,833.00
				1684'		35,429.00

Material left in hole - see footage form

70 ft. BW Casing - 10 ft. length	@ $10.75 per ft.	752.50
6 ft. BW Casing - 2 ft. length	@ $17.75 per ft.	106.50
2 BW Casing Shoes	@ 155.00 each	310.00
plus 15% ($1,169.00)		175.35
3 acid tests	@ $63.00 each	189.00
Pulling Casing Charges - see attached		189.75
Moving to next property - see attached		5,998.69
Travelling time of crew - see attached		99.19
Waterline Charges - see attached		612.20
		$43,862.18

$294. - 517 DD 5

Post 515 DD 5

February 1-15, 1988 - Sioux B.Q.

N. MORISSETTE CANADA INC.
BOX 789 HAILEYBURY, ONTARIO TELEX 067-82590
TEL. (705) 672-3311 TELECOPIER (705) 672-2371

INVOICE NO.	2642
CUSTOMER NO.	1034
JOB NO.	1083
DEST.	069
INVOICE DATE	March 9, 1988
FOR	February 16-29/88

IN ACCOUNT WITH

Granges Exploration Ltd.,
372 Toke Street,
TIMMINS, Ontario.
P4N 6V7

- DR -

To invoice for Surface Diamond Drilling performed on the Sioux Narrows Area Property during the period of Feb. 16-29/88 as per agreement dated Oct. 19/87.

Please Note - Daily Reports have not been received for Feb. 28-29/88, any charges applicable for these days will follow.

Hole #	Size	From	To	Total	Rate	Amount
S BAG 5	Overburden	0	12'	12'	$21.00	$ 252.00
	BQ Wireline	12'	335'	323'	$21.00	6,783.00
S BAG 6	Overburden	0	50'	50'	$21.00	1,050.00
	Overburden	50	52'	2'	$27.00	54.00
	BQ Wireline	52'	305'	253'	$21.00	5,313.00
S BAG 7	Overburden	0	10'	10'	$21.00	210.00
	BQ Wireline	10'	265'	255'	$21.00	5,355.00
S BAG 8	Overburden	0	50'	50'	$21.00	1,050.00
	Overburden	50'	80'	30'	$27.00	810.00
	BQ Drilling	80'	275'	195'	$21.00	4,095.00
S BAG 9	Overburden	0	10'	10'	$21.00	210.00
	BQ Drilling	10'	335'	325'	$21.00	6,825.00
B BAG 10	Overburden	0	14'	14'	$21.00	294.00
	BQ Drilling	14'	475'	461'	$21.00	9,681.00
B BAG 11	Overburden	0	12'	12'	$21.00	252.00
	BQ Drilling	12'	185'	173'	$21.00	3,633.00
				2175'		45,867.00

516 DDS

515 DDS

* CONTINUED *

February 16-29/88 BQ Sioux Narrows.

INVOICE

N. MORISSETTE CANADA INC.
BOX 789 HAILEYBURY, ONTARIO TELEX 067-82590
TEL. (705) 672-3311 TELECOPIER (705) 672-2371

IN ACCOUNT WITH

Granges Exploration Ltd.,
372 Toke Street,
TIMMINS, Ontario.
P4N 6V7

INVOICE NO.	2657
CUSTOMER NO.	1034
JOB NO.	1083
DEST.	069
INVOICE DATE	March 10, 1988
FOR	Feb. 28th & 29th/88

- DR -

To invoice for surface diamond drilling performed on the Sioux Narrows Area property during the period of Feb. 28th & 29th/88 as per agreement dated October 19, 1987.

Hole #	Size	From	To	Total	Rate	Amount
Bag 11	BQ Wireline	185'	425'	240'	$21.00	5,040.00
Bag 12	BW Overburden	0	12'	12'	$21.00	252.00
	BQ Wireline	12'	425'	413'	$21.00	8,673.00
				665'		13,965.00

Materials left in hole:

10'	B.W. Casing - 10' length	@ $ 10.75 p/ft.	$107.50	
2'	B.W. Casing - 2' length	@ $ 17.75 p/ft.	35.50	
1	B.W. Casing Shoe	@ $155.00 each	155.00	
		Plus 15% (298.00)	44.70	342.70
1	Clinometer test (425')			63.00
				$14,370.70

Feb. 28 & 29th, 1988: BQ - Sioux Narrows.

515 DDS

700W 600W 500W 400W 300W 200W 100W BL 00E 100E 200E 300E 400E 500E 600E

L 200N
L 100N
L 00N
L 100S
L 200S
L 300S
L 400S
L 500S
L 600S
L 700S
L 800S
L 900S
L 1000S
L 1100S
L 1200N
L 1300S
L 1400S
L 1500S
L 1600S
L 1700S
L 1800S
L 1900S
L 2000S
L 2100S

BAG-11 (-45°)
BAG-10 (-45°)
BAG-1 (-45°)
BAG-12 (-45°)
BAG-2 (-45°)
BAG-3 (-45°)
BAG-4 (-45°)
BAG-5 (-45°)
BAG-9 (-45°)
BAG-6 (-35°)
BAG-8 (-45°)
BAG-7 (-55°)

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1003406
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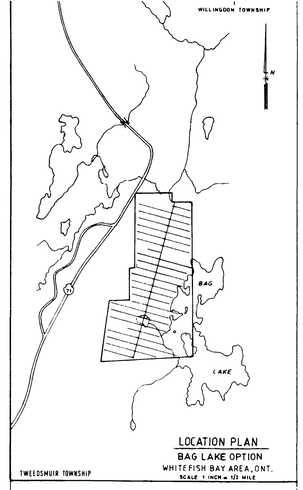
1003411
1003408
1003410



LOCATION PLAN
BAG LAKE OPTION
WHITEFISH BAY AREA, ONT.
SCALE 1 INCH = 1/2 MILE

◇ TOTAL FIELD - 500% / cm
Plotting base - 1500

× QUADRATURE - 20% / cm
Plotting base - 0

+ INPHASE - 40% / cm
Plotting base - 0

— KEY —
indicates locations shown by tilt angle and field strength components are not coincidental
FIRST PRIORITY ANOMALY
SECOND PRIORITY ANOMALY
THIRD PRIORITY ANOMALY
DOUBTFUL ANOMALY

GRANGES EXPLORATION LTD
BAG LAKE PROJECT
VLF-EM SURVEY
TRANSMITTER: ANNAPOLIS
Scale 1: 2500.0
0 50 100 150 200 250 M
Date: OCT 1987
WHITE GEOPHYSICAL INC.