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BAYMAG MINES CO. LIMITED

1993 GEOLOGICAL REPORT

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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1993 EXPLORATION PROGRAM

- Consisted of mapping and sampling outcrops and drilling, logging and sampling three diamond drill holes located on the Bay-21 claim.

GOLDEN MINING DIVISION

NTS 82 J/1a @ 5617500 N, 600000 E

LATITUDE 50 42' N LONGITUDE 115 34' W

CLAIMS OWNED BY: BAYMAG MINES CO. LIMITED

AUTHOR: IAN R.J. KNUCKEY

DATE SUBMITTED: DECEMBER 10, 1993

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1.0 INTRODUCTION

1.1 Location and Access

The Mt. Brussilof Magnesite mine is located within Mining Lease M31, immediately north of the confluence of the Mitchell River and Assiniboine Creek approximately 35 km northeast of Radium Hot Springs in the East Kootenay District of British Columbia. (Appendix A) The property is crossed by latitude 50 47'N and longitude 115 41'W.

Access to the minesite is by Provincial Highway 93 to Settler's Road in Kootenay National Park. Settler's Road leads south-southeast along the valley of the Kootenay River. At a distance of 12 kilometers the Palliser road turns east off Settler's Road to the 14 km mark. The Cross River road trends northeast along the south side of the Cross River Valley to the 32 km mark. The Mitchell River road turns northward toward the mine.

The gravel road which is maintained year round is 38 km in length from the highway to the mine site. (Appendix A).

1.2 Previous Work

The current property is comprised of 467 contiguous claims in the Golden Mining Division (Appendix B).

The magnesite occurrence was first discovered by G.B. Leech of the Geological Survey of Canada who was conducting a mapping program in the area. Grab samples, taken during the program, assayed up to 97% magnesite. As a result of the Leech report, New Jersey Zinc Exploration Canada Ltd. staked the area and conducted a mapping and diamond drill program. Imperial Oil Enterprises also investigated the area but no additional work was performed. Baykal Minerals Ltd. conducted a mapping program in 1969 which resulted in acquisition of additional claims to bring the total to 278. Baykal Minerals arranged with New Jersey Zinc Exploration Canada Ltd. to conduct mining on their claims.

Following the completion of field work in 1969 to 1970 which included diamond drilling programs, a production feasibility report was completed by Acres Western Limited of Vancouver for Baykal Minerals Ltd.

During 1971, Brussilof Resources Limited and Baykal Minerals Ltd. amalgamated to form Baymag Mines Co. Limited.

The property was optioned to Canadian Exploration Limited (CANEX) in 1972. CANEX conducted a field orientation program which included 2819.4 meters of diamond drilling to bring the total length then drilled on the property to 5,255 meters. Geological mapping of specific areas was also completed.

In 1979 Baymag Mines Co. Limited, a subsidiary (purchased in 1979) of Refratechnik GmbH of West Germany, contracted Techman Ltd. and Kilborn Engineering (B.C.) Ltd. to evaluate the feasibility of bringing the magnesite deposit into production. The evaluation involved surveys, 130 meters of percussion drilling, 75 meters of shallow diamond drilling and bulk sample extraction. A 100 ton sample of magnesite was extracted from a site on Rok 17 (now mine lease M31) and shipped to a crusher to be reduced to a minus 10 millimeter mesh. The crushed sample was then shipped to Nichols Engineering and Research in New Jersey to be dead burnt. The dead burnt material was briquetted for further testing.

In 1981 Baymag entered into a contractual agreement with John Wolfe Construction Co. Ltd. to operate the mine and also to be responsible for ore supply to the production plant at Exshaw, Alberta, a facility leased from Canada Cement Lafarge.

During 1984, eight exploration holes totaling a length of 731.5 meters of diamond drilling was completed on the Rok 17 claim. The core was descriptively logged, sampled and assayed.

A major exploration program was conducted in 1987, the purpose of which was to investigate the extension of the known magnesite deposit up-slope from the current pit development and further delineate and evaluate the quality and quantity of the ore in the immediate vicinity of the active mining operations. Thirty-four diamond drill holes totalling 2707 meters were drilled, logged, sampled and assayed.

A smaller exploration program was conducted in 1989 in two areas of the claim block. In the area proximal to the current mine development, the goal was to further delineate and evaluate the quality and quantity of ore immediately north of the known reserves. Fifteen shallow diamond drill holes totalling 273 meters were drilled, logged, sampled and assayed.

The other area of interest was near the confluence of the Cross and Mitchell Rivers on the southern Vano claims (now Bay 19 & 21 claims). Ten shallow diamond drill holes totalling 110 meters were drilled, logged, sampled and assayed.

The following year Baymag acquired new ground up the Alcanterra, Assiniboine and Aurora Creeks bringing the total number of claims to 461 units.

A small percussion drillhole program was conducted in 1990 with the goal of delineating major zones of contamination near the little explored upper pit area. A total of 370 meters was drilled, sampled and assayed. The results suggested that the ore in the north upper pit area is generally high grade and relatively homogeneous. That is, the high contaminant values are generally restricted to or concentrated within fractures, joints and along planes of high porosity. If the location and orientation of these features can be identified prior to production in the area, the waste can be removed before removal of ore and any possible mixing of the two.

Eight shallow percussion holes were drilled in the summer of 1991 to further delineate the zones of contamination in the north section of the upper pit. A total of 166 m were drilled, logged and assayed.

A diamond drilling program consisting of 16 holes was drilled in the summer of 1992. A total of 950 m was drilled concentrated in an area immediately north of the upper pit. The program hoped to delineate new reserves and determine future pit development. Assay results were not ready in time for inclusion in this report.

At the end of the 1992 exploration program a total of 27 percussion holes and 142 diamond drill holes had been drilled on the property. This brings the total length diamond drilled to 10,098 meters and total percussion drilling to 500 meters.

Commercial scale mining started in the second quarter of 1982 and has increased dramatically since then. The Baymag mine is an open pit operation which is run year round and currently produces well over 180,000 mtpy of high quality magnesite ore.

1.3 SUMMARY OF 1993 EXPLORATION PROGRAM

Four outcrops that were mapped and sampled provided sufficient incentive to drill three shallow diamond drill holes. The drill holes consisted mainly of coarse grained dolomite with intervals of magnesitic dolomite. Although Fe_2O_3 , Al_2O_3 and SiO_2 values were similar to those found at the mine, CaO values were much higher.

2.0 DETAILED TECHNICAL DATA AND INTERPRETATION

2.1 Purpose

The main objectives of the diamond drill, sampling and mapping program were:

- to define potential zones of magnesite bearing rock worthy of further investigation
- to delineate the extent and grade of the magnesite horizon in the vicinity of the Miller Pass.

2.2 Methodology

The project area was comprised primarily of a clear-cut zone on the west flank of Mount Soderholm. A series of flagged lines were run north - south and were used as a temporary grid. Outcrops, roads and skidder trails were then mapped.

The outcrops were sampled trying to get as fresh a sample as was possible. The samples were then analyzed at the Baymag Lab facilities in Exshaw, Alberta for MgO, CaO, Fe₂O₃, Al₂O₃ and SiO₂.

The samples were interrupted and three drill sites were chosen. The hole locations were based both on the sample analysis as well as ease of access to the drill site.

A total of 594 feet of core was drilled with a Boyles BBS-1 drill. The AQ size core was then logged, cut, sampled and sent to Exshaw for assaying. The three hole locations were also surveyed.

The core samples were assayed for MgO and four prominent contamination elements found at the mine; CaO, Fe₂O₃, Al₂O₃ and SiO₂.

2.3 Results

All assays in this report are reported on a dead burnt L.O.I. basis. A total of 13 grab and 120 core samples were analyzed. (see Appendix E & F) MgO values ranged from 45 to 85 %. CaO values also showed a similarly large range from 20 to 55 %. The Fe₂O₃, Al₂O₃ and SiO₂ values exhibited a much smaller range and were generally on par with those found at the mine.

The core was predominantly described as dolomite with lenses or beds of magnesitic dolomite occurring erratically through-out the holes.

2.4 INTERPRETATION

The 13 grab samples did not show the same quality of magnesite as is found at the mine site but we have found through experience that "grab" samples often do not. The outcrops were generally described as dolomite to magnesitic dolomite. Contacts were generally hidden by overburden or so gradational as to render them hidden. The low silica and alumina values however, provided enough incentive to drill three shallow diamond drill holes.

The logs and cross sections (Appendix E) show that the area is comprised primarily of dolomite with beds or lenses of magnesitic dolomite. Although no true bedding was seen, one gets the impression that bedding is generally flat lying. One could join the magnesitic dolomite units found in holes 9301 and 9303 (on section 12775 E -- Appendix E) but at this stage it seems premature.

2.5 CONCLUSIONS

Both the grab and core samples suggest that the Miller Pass area is comprised of, at best, very low grade magnesite. The low Fe_2O_3 , Al_2O_3 and SiO_2 values may prove to be enticing enough to warrant future exploration but with todays tight economic and market conditions and strong competition from both China and Australia the project area does not at this time appear to warrant further investigation.

3.0 ITEMIZED COST STATEMENT

The total costs incurred during the 1993 exploration drilling program were as follows;

1. Manpower	\$ 4,625
2. Equipment	\$ 9,804
3. Drill Chip Analysis	\$ 11,305
4. Miscellaneous	\$ 303
	=====
	\$ 26,037

For an itemized cost statement of drilling expenditures see Table 3.1 on the next page.

TABLE 3.1 ITEMIZED COSTS

<u>ITEM</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>QUANT.</u>	<u>TOTAL COST</u>
1. MANPOWER				
1.1 Geologist -mapping -06/16-25/93	day	150	8	\$1,200
1.2 Drilling Supervisor -07/19/93 - 08/23/93				\$1,000
1.3 Surveying - B. Patterson & Assoc. B.C. Land Surveyor - 08/11/93	day	300	1	\$ 300
1.4 Sampler -core - cutting & sampling - 07/19/93 - 08/25/93	day	125	5	\$ 625
1.5 Geologist - core logging - 08/27/93 - 09/17/93	day	\$150	10	\$1,500

				SUBTOTAL
				\$4,625
2. EQUIPMENT				
2.1 Boyles BBS-1 Diamond Drill -07/19/93 - 08/23/93	foot moving	\$16	594	\$9,504 \$ 300

				SUBTOTAL
				\$9,804
3. ASSAYING				
3.1 Baymag Lab (Exshaw) -MgO,CaO,Fe ₂ O ₃ ,Al ₂ O ₃ ,SiO ₂ - grab samples - core samples	sample sample	85 85	13 120	\$1,105 \$10,200

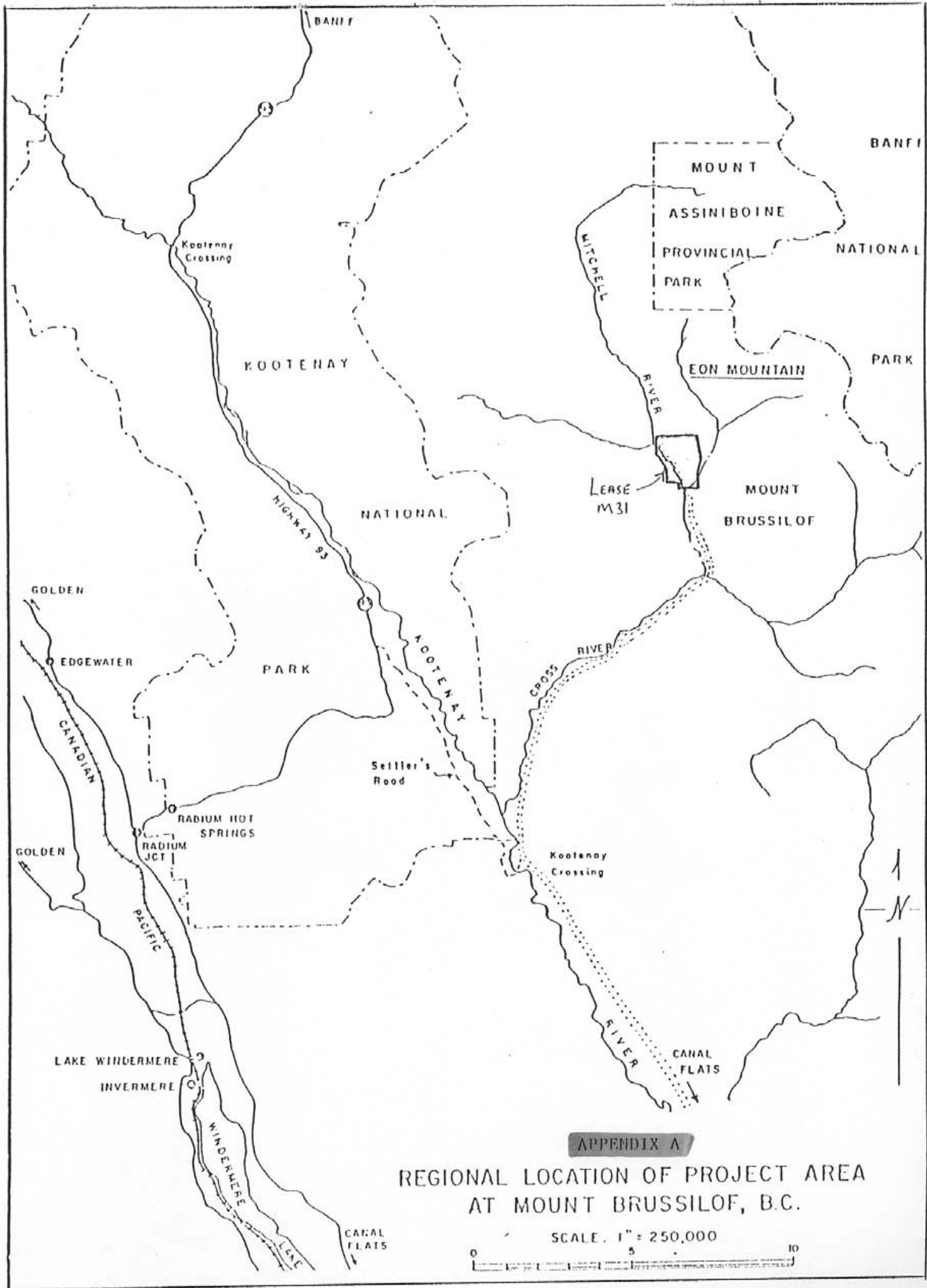
				SUBTOTAL
				\$11,305
4. MISCELLANEOUS				
4.1 Core Boxes - shipping	box	7.41	28	\$ 207.48 95.77

				SUBTOTAL
				\$ 303.25
				=====
				GRAND TOTAL
				\$ 26,037

4.0 AUTHOR'S QUALIFICATIONS

I.R.J. Knuckey, B.Sc. Geology
Mine Geologist

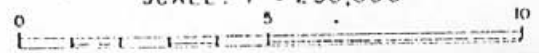
- program supervision, geological interpretation,
conclusions and report compilation



APPENDIX A

REGIONAL LOCATION OF PROJECT AREA AT MOUNT BRUSSILOF, B.C.

SCALE. 1" = 250,000



APPENDIX F

DIAMOND DRILL
LOGS & ASSAYS
9201, 9202, 9203
& GRAB SAMPLES

BAYMOUNT MINES CO. LIMITED - EXPLORATION JG - DRILL HOLE # 9301 - SHEET 1 - OF 5

Property Mt. Brussif | Bearing 0° | Northing 7927.5 | O.B. Depth 3' | Logged By: IK
 Date Collared July 19/93 | Length 266' | Easting 12756.75 | Core Size AQ
 Date Complete Aug. 06/93 | Dip -90° | Collar Elev. 1523.875 | Log Scale 1" = 10' | Date: Aug. 27/93

Foot-age	Rock Code	Lithologic Description	Mineralization & Structure	Core Section		Sample Number	Assay Results					
				From	To		MgO	CaO	Fe ₂ O ₃	Al ₂ O ₃	SiO ₂	LOI
0		Casing		0	3	n.s.	-1	-1	-1	-1	-1	
		Dolomite (3-22)		3	5	930101	55.01	44.25	.50	.05	.19	
10		pale grey-white fine grained 3 - 22	-alternating white & pale grey banding at 80 - 90° common		10	102	52.01	47.25	.57	.03	.14	
					15	103	53.10	46.25	.48	.04	.13	
20		Magnesitic Dolomite	5cm band fine disseminated fresh Py 1%		20	104	46.79	52.00	1.04	.03	.14	
		-creamy med. grained blady xstals	alternating bands creamy blady grey, fine grained		25	105	55.28	43.75	.82	.03	.12	
30			20 cm soft porous yellow stained zone disseminated ox Py 1%		30	106	60.64	38.00	1.08	.06	.22	
		Dolomite (31-72)			35	107	47.37	51.75	.78	.02	.08	
40		fine pale grey (31-42)			40	108	48.92	50.25	.79	.02	.02	
		creamy blady xstals (42-44)	disseminated crs ox Py 1%		45	109	48.00	50.75	1.21	.01	.03	
50		pale grey, fine grained w/ banding prevalent (44-54)	banding at 85°		50	110	55.77	43.25	.82	.04	.12	
			10 cm soft porous zone		55	111	56.98	42.25	.58	.09	.10	
60		white-pink creamy med. blady xstals (54 - 64.5)	distinct banding/bedding @ 85° disseminated ox Py		60	112	49.21	49.50	1.15	.02	.12	

BAYMOUNT MINES CO. LIMITED - EXPLORATION LOG - DRILL HOLE # 9301 - SHEET 2 OF 5

Property Mt. Brussilof Bearing _____ Northing _____ O.B. Depth _____ Logged By: IK
 Date Collared _____ Length _____ Easting _____ Core Size AQ Aug. 28/93
 Date Complete _____ Dip _____ Collar Elev. _____ Log Scale 1" = 10' Date: _____

Foot-age	Rock Code	Lithologic Description	ASL Lr Tr	Mineralization & Structure	Core Section		Sample Number	Assay Results					
					From	To		MgO	CaO	Fe ₂ O ₃	Al ₂ O ₃	SiO ₂	LOI
60		Dolomite (31-72)		3mm bands disseminated fine ox Py	60	65	930113	56.33	42.00	1.61	.01	.05	
70		white-pale grey med xstals (64.5 - 72) Magnesitic Dolomite		disseminated fresh fine Py light banding @ 85-90° soft porous ox Py zone (69 - 71.5)		70	114	53.04	46.00	.88	.00	.08	
		white-grey med blady xstals (72 - 91) mottled		disseminated ox Py <1% 2mm Kaolinite blebs 3mm ox Py vein @ 5°		75	115	61.35	36.75	1.72	.06	.12	
80						80	116	63.34	35.75	.80	.06	.05	
				3mm ox Py vein @ 5° 3mm Py vein @ 15° @ 90° I Kaolinite		85	117	66.35	32.25	.72	.09	.09	
90				3mm Py vein @ 20°		90	118	65.86	32.75	1.21	.08	.10	
		cream & grey med blady xstals (91 - 115) banding prevalent		banding @ 90° tight folding axes @ 85° disseminated ox Py 1% 2mm ox Py vein @ 17° banding @ 85°		95	119	68.69	30.25	.92	.07	.07	
100		Pink-white vuggy zone 95%				100	120	57.13	41.75	.99	.05	.08	
						105	121	68.85	30.25	.64	.08	.18	
110				0.5 cm alternating cream & grey banding @ 85° (106 - 115)		110	122	70.04	29.00	.71	.09	.16	
						115	123	71.86	27.25	.67	.07	.15	
		pink-grey med-crs quartz xstals (116 - 120)		3cm soft, porous, pink zone		120	124	67.00	32.25	.49	.09	.17	

BAYMOUNT MINES CO. LIMITED - EXPLORATION JG - DRILL HOLE # 9301 - SHEET 3 OF 5

Property Mt. Brussilof	Bearing _____	Northing _____	O.B. Depth _____	Logged By : IK & CP
Date Collared _____	Length _____	Easting _____	Core Size AQ	
Date Complete _____	Dip _____	Collar Elev. _____	Log Scale 1" = 10'	Date : Aug. 29/93

Foot-age	Rock Code	Lithologic Description	Mineralization & Structure	Core Section		Sample Number	Assay Results				
				From	To		MgO	CaO	Fe ₂ O ₃	Al ₂ O ₃	SiO ₂
120		Magnesitic Dolomite (72 - 240) white grey fine-med banding @ 80 - 85	2mm Ca frac @ + 0°	120	125	930125	68.61	30.50	.65	.11	.13
130			2mm ox Py vein @ 90°	130	126		72.22	26.5	.98	.10	.20
				135	127		71.25	27.75	.59	.13	.28
140		grey, medium grained	10cm soft porous zone & ox Py pocket of Fe ₂ O ₃ at 139 about 10cm in diameter	140	128		64.31	34.25	1.22	.10	.12
			Py clots at 141 (2mm in dia) white dolomite zone at 141 (~20cm thick)	145	129		60.24	39.00	.68	.03	.05
150		grey, medium grained	very intensive zone of Fe oxidation from 148 to 158 (rusty to purple)	150	130		54.50	44.75	.55	.06	.14
			colours also clots up to 2.5 cm of limonite	155	131		54.03	45.00	.84	.06	.07
160		grey, medium grained		160	132		57.78	41.00	1.08	.04	.10
			1cm Fe ^{OX} fracture at 164 (90°) filled with limonite	165	133		53.81	45.00	.99	.06	.14
170		grey, finer grained	2mm Ox ^{Fe} vein at 30° (rusty stain + Ox ^{Fe} clots)	170	134		58.33	39.75	1.65	.10	.17
			30cm zone of Ox								
			vertical Py vein 0.5cm thick 7cm long (at 173)	175	135		57.05	42.00	.74	.05	.16
180		grey, medium grained	Py clot 1x0.5cm at 178	180	136		65.61	33.50	.70	.06	.13

BAYMOUNT MINES CO. LIMITED - EXPLORATION JG - DRILL HOLE # 9301 - SHEET 4 of 5

Property Mt. Brussilof | Bearing _____ | Northing _____ | O.B. Depth _____ | Logged By : CP
 Date Collared _____ | Length _____ | Easting _____ | Core Size AQ
 Date Complete _____ | Dip _____ | Collar Elev. _____ | Log Scale 1" = 10' | Date : Aug. 30/93

Foot-age	Rock Code	Lithologic Description	Mineralization & Structure	Core Section		Sample Number	Assay Results					
				From	To		MgO	CaO	Fe ₂ O ₃	Al ₂ O ₃	SiO ₂	LOI
180		grey, medium grained	very frequent Py grains 0.5-1mm in diam, scattered through core intervals frequent white dolomite sections up to 1-2cm thick	180	185	137	78.77	20.00	1.09	0.04	.10	
190				190	138	83.86	15.25	.79	0.03	.07		
200		grey, medium grained	5 sections of white (milky) dolomite from 1-9 cm thick frequent Py clots 0.5-1mm	195	139	139	85.76	13.30	.63	0.02	.09	
200				200	140	82.09	17.25	.64	0.01	.01		
210		grey, medium grained	frequent Py grains 0.5-1mm frequent Dolomite lenses and grains up to 3cm thick	205	141	141	77.17	21.75	.94	0.05	.09	
210				210	142	82.86	16.25	.76	0.02	.11		
220		grey, medium grained	frac at +0° from 213-214 filled with Ca yellowish material 215-216 porous yellowish high CaO mat. w/white dol. 220 Ox ^{Fe} pocket	215	143	143	67.69	31.50	.66	0.04	.01	
220				220	144	61.98	36.25	1.70	0.03	.04		
230		grey, medium grained	Ca frac @ 221 (iron stain + calcite powder)+30° CaFe ^{OX} frac @90° (222) very sporadic Py clots 224-233	225	145	145	70.60	27.50	.91	0.15	.84	
230				230	146	81.17	17.50	.87	0.12	.34		
240		grey, medium grained	freq Py clots to 2mm diam 233-240 Ca frac 1mm thick +45° @ 238 several sections of milky dolomite	235	147	147	77.31	21.75	.76	0.04	.14	
240				240	148	69.41	29.50	.88	0.06	.15		

Property	Mt. Brussilof	Bearing	0°	Northing	7710.771	O.B. Depth		Logged By	CP
Date Collared	Aug 12/93	Length	306'	Easting	12798.524	Core Size	AQ	Date	Sept 1/93
Date Complete	Aug 23/93	Dip	-90°	Collar Elev.	1546.50	Log Scale	1" = 10'		

Foot-age	Rock Code	Lithologic Description	Mineralization & Structure	Core Section		Sample Number	Assay Results					
				From	To		MgO	CaO	Fe ₂ O ₃	Al ₂ O ₃	SiO ₂	LOI
0		No core		0	4	n.s.	-2	-2	-2	-2	-2	
		Dolomite 4 - 5 dark grey, very fine grained	very cracked core, numerous erratically distributed fractures	4	5	301	54.18	44.25	0.25	0.26	.63	
10		5 - 10 grey, medium grained			10	302	70.21	28.50	0.64	0.21	.44	
		Magnesian Dolomite grey, medium grained	frequent Ox ^{Fe} stain in erratic fractures		15	303	82.53	16.25	0.68	0.18	.36	
20					20	304	79.00	19.25	0.63	0.22	.40	
			very frequent zones of white, very fine grained (milky) dolomite		25	305	72.47	26.50	0.58	0.15	.30	
30					30	306	72.36	26.75	0.61	0.10	.18	
		Dolomite (35 - 70) very fine grained, white (milky)			35	307	65.82	33.00	0.63	0.15	.40	
40			strongly oxidized Py clots at 38		40	308	46.65	52.50	0.53	0.09	.23	
					45	309	49.11	50.25	0.35	0.09	.21	
50			47-50 section of dark dolomite		50	310	59.27	39.75	0.49	0.16	.33	
			frequent Py clots usually strongly oxidized		55	311	47.44	52.00	0.39	0.05	.12	
60					60	312	44.79	53.50	1.53	0.04	.14	

BAYMA MINES CO. LIMITED - EXPLORATION JG - DRILL HOLE # 9303 - SHEET 13 OF 6

Property Mt. Brussif Bearing _____ Northing _____ O.B. Depth _____ Logged By: CP
 Date Collared _____ Length _____ Easting _____ Core Size AQ
 Date Complete _____ Dip _____ Collar Elev. _____ Log Scale 1" = 10' Date: Sept. 8/93

Foot- -age	Rock Code	Lithologic Description	Mineralization & Structure	Core Section		Sample Number	Assay Results				
				From	To		MgO	CaO	Fe ₂ O ₃	Al ₂ O ₃	SiO ₂
120		Dolomite-grey to white medium grained to very fine grained (milky dolomite)	numerous erratically distributed strongly calcitic fractures up to 3mm wide also Ox stain in fractures	120	125	326	60.56	38.75	0.48	0.05	.16
130				130	327	59.85	39.50	0.39	0.07	.19	
140		Magnesitic Dolomite - grey, medium grained @ 136'..	frequent Py or Ox ^{Py} clots up to 0.5 cm in diameter frequent irregular calcite fractures zone of very porous core filled w/CaO clay & powder	135	328	328	72.03	27.00	0.64	0.10	.23
				140	329	329	75.62	23.00	0.67	0.20	.51
150			Py or Ox ^{Py} clots frequent calcite fractures especially between 147 - 150	145	330	330	82.29	16.75	0.73	0.06	.17
				150	331	331	74.35	25.00	0.38	0.05	.22
160			Py clots and calcite fractures pretty frequent	155	332	332	75.30	24.00	0.45	0.06	.19
				160	333	333	74.67	24.5	0.60	0.06	.17
170			Sporadic zones of white fine grained dolomite; frequent iron-calcite irregular fractures ~ 1mm thick	165	334	334	73.40	25.75	0.59	0.07	.19
				170	335	335	70.21	28.75	0.79	0.07	.18
180				175	336	336	60.03	39.00	0.65	0.08	.24
				180	337	337	56.81	42.00	0.83	0.10	.26

Property Mt. Brussilof | Bearing _____ | Northing _____ | O.B. Depth _____ | Logged By: CP
 Date Collared _____ | Length _____ | Easting _____ | Core Size AQ
 Date Complete _____ | Dip _____ | Collar Elev. _____ | Log Scale 1" = 10' | Date: Sept. 14/93

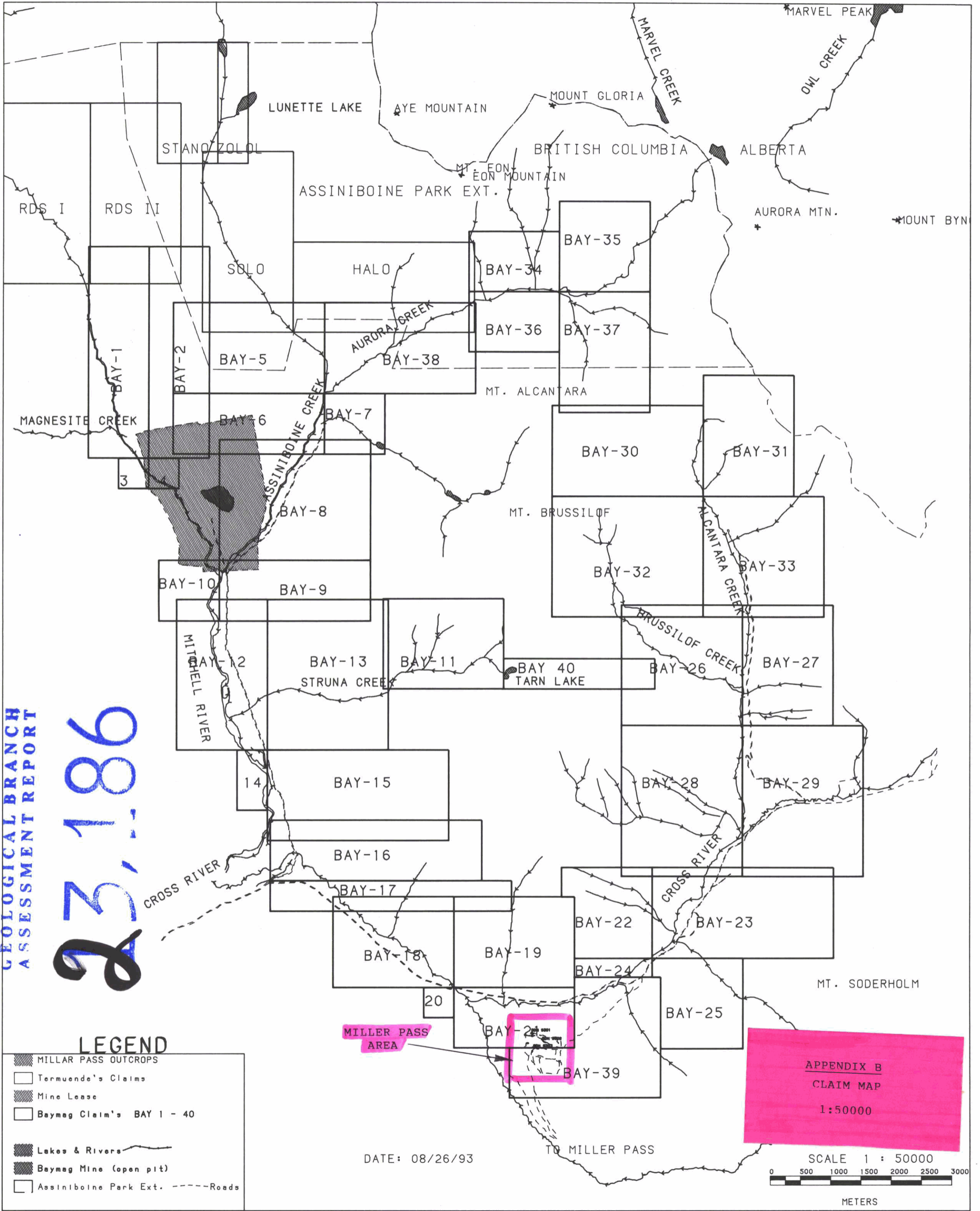
Foot-age	Rock Code	Lithologic Description	Mineralization & Structure	Core Section		Sample Number	Assay Results					
				From	To		MgO	CaO	Fe ₂ O ₃	Al ₂ O ₃	SiO ₂	LOI
180		Magnesitic Dolomite Grey to dark grey, medium grained	frequent Py clots up to 2mm in diameter 2 zones white fine gr dol 3-5cm wide @ 183 & 187 highly calcitic v porous zone @ 189	180	185	338	63.40	35.75	0.71	0.05	.09	
190				190	339	52.44	46.75	0.58	0.06	.17		
200		Dolomite - fine to medium grained, white to grey	zone of calcite fines deposited in fracture @0° 196-200	195	340	340	56.35	43.00	0.54	0.03	.08	
				200	341	54.55	44.50	0.54	0.11	.30		
210			frac zone @ 45° 10cm wide (white to purple dolomite +Ox ^{Fe} fines @ 202 strongly ox iron zones @ 206, 208, 210	205	342	342	62.94	35.75	0.80	0.15	.36	
				210	343	70.14	28.75	0.96	0.05	.10		
220		Dolomite - dark grey medium to coarse grained (with some sections of white very fine grained)	not frequent clots of Py	215	344	344	62.81	36.25	0.72	0.07	.15	
				220	345	60.03	39.00	0.72	0.10	.15		
230			zones of Ox ^{Fe} @ 222, 224 & 229 to 237 (last zone very intensive rusty to purple discolouration)	225	346	346	69.19	29.75	0.72	0.11	.23	
				230	347	70.95	27.50	1.18	0.12	.25		
240				235	348	348	53.61	44.00	2.14	0.07	.18	
				240	349	60.88	37.50	1.24	0.11	.27		

Property <u>Mt. Brusslof</u>	Bearing _____	Northing _____	O.B. Depth _____	Logged By : <u>CP</u>
Date Collared _____	Length _____	Easting _____	Core Size <u>AQ</u>	
Date Complete _____	Dip _____	Collar Elev. _____	Log Scale <u>1" = 10'</u>	Date : <u>Sept. 15/93</u>

Foot-age	Rock Code	Lithologic Description	Mineralization & Structure	Core Section		Sample Number	Assay Results				
				From	To		MgO	CaO	Fe ₂ O ₃	Al ₂ O ₃	SiO ₂
240		<u>Dolomite (210-306)</u>	Ox ^{Py} zones @ 241 & 245 up to 5-8cm thick	240	245	350	51.85	46.50	1.12	0.16	.37
250			Zone black dolomite with pinolite texture 10cm thick @ 246		250	351	58.33	40.50	0.73	0.13	.31
260		(brown to purple discolouration)	increasing amount of strongly oxidized Py material. very freq cracks filled w/ calcite fines or compact calcite coatings		255	352	59.43	39.50	0.90	0.05	.12
					260	353	45.14	53.25	1.57	0.02	.02
					265	354	55.45	42.75	1.67	0.03	.10
270					270	355	47.42	51.75	0.72	0.05	.06
280		(purple discolouration)	frequent Ox ^{Fe} zones & sections of white dolomite		275	356	54.30	44.50	1.0	0.07	.13
					280	357	52.63	46.25	0.95	0.07	.10
290		(purple discolouration)			285	358	49.87	47.00	3.00	0.04	.09
					290	359	61.75	37.00	1.00	0.09	.16
					295	360	48.33	46.50	5.00	0.04	.13
300					300	361	67.61	30.75	1.50	0.05	.09

ASSAYS FOR GRAB SAMPLES
BAY-21

SAMPLE	NORTH	EAST	MgO	CaO	Fe2O3	Al2O3	SiO2
4101	7824	12942	51.72	48.10	0.11	0.02	0.05
4102	7842	12930	45.72	53.60	0.50	0.04	0.14
4103	7848	12930	62.56	36.50	0.58	0.11	0.25
4104	7925	12760	51.37	47.90	0.63	0.04	0.06
4105	7920	12760	54.28	45.20	0.28	0.05	0.19
4106	7920	12750	75.87	23.40	0.51	0.05	0.17
4107	7930	12762	76.43	23.00	0.40	0.04	0.13
4108	7940	12762	80.93	18.40	0.42	0.05	0.20
4109	7920	12728	91.20	8.10	0.59	0.00	0.11
4110	7904	12896	57.93	41.20	0.79	0.05	0.03
4111	7902	12902	56.51	42.80	0.46	0.06	0.17
4112	7775	12680	74.64	24.00	1.06	0.09	0.21
4113	7775	12700	86.47	12.30	0.47	0.19	0.57



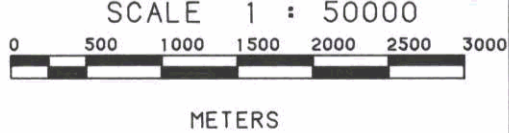
GEOLOGICAL BRANCH ASSESSMENT REPORT

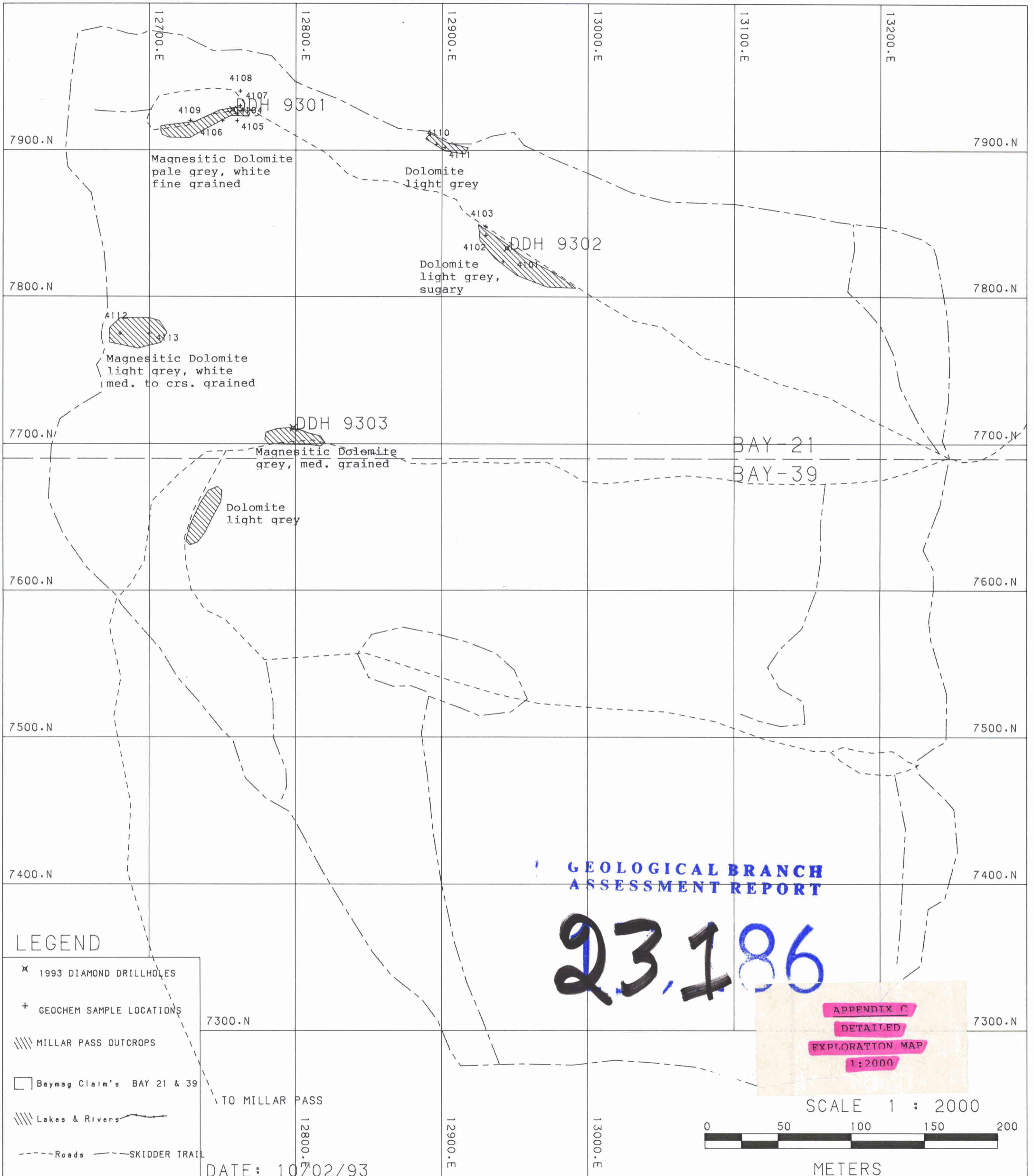
23,186

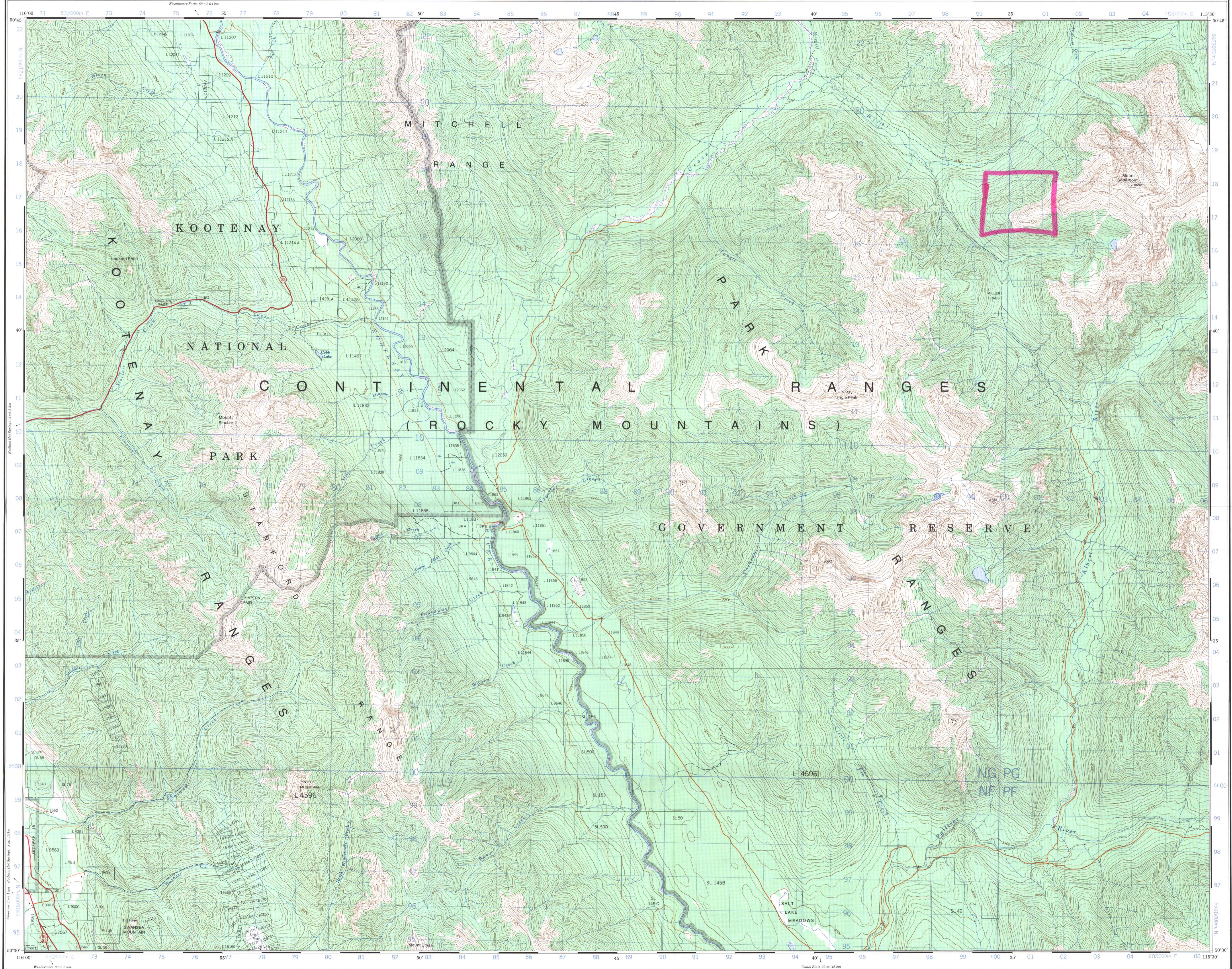
LEGEND

- MILLAR PASS OUTCROPS
- Termuende's Claims
- Mine Lease
- Baymag Claim's BAY 1 - 40
- Lakes & Rivers
- Baymag Mine (open pit)
- Assiniboine Park Ext. -----Roads

APPENDIX B
CLAIM MAP
1:50000







Military users, refer to this map as: MAP 82 J/12
 Reference de cette carte pour usage militaire: CARTE 82 J/12

SERIE A 721
 MAP 82 J/12
 REFERENCE DE CETTE CARTE POUR USAGE MILITAIRE: CARTE 82 J/12

CONVERSION SCALE FOR ELEVATIONS
 ÉCHELLE DE CONVERSION DES ÉLEVATIONS

Vertical scale: 0 to 1000 feet / 0 to 300 meters

Use diagram with correct numerical values
 APPROXIMATE MEAN DECLINATION 1976
 FOR CENTRE OF MAP
 Annual change: decrease 0.3"

Utiliser le diagramme que pour obtenir les valeurs correspondantes
 DES ÉLEVATIONS MOYENNES APPROXIMATIVES
 AU CENTRE DE LA CARTE EN 1976
 Variation annuelle: décroissance 0.3"

ONE THOUSAND METRE
 UNIVERSAL TRANSVERSE MERCATOR GRID
 ZONE 11
 QUADRILLAGE DE MILLE MÈTRES
 TRANSVERSE UNIVERSEL DE MÉRIDIEN

GRID ZONE DESIGNATION: 11 U
 100,000 M SQUARE IDENTIFICATION: 11 U 11 96

EXAMPLE OF METHOD USED TO GIVE REFERENCE TO METRES
 EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FAIRE DES RAPPORTS À DES MÈTRES

REFERENCE POINT: CHUNUCHI - EGLISE (see above)

EASTING: Road number on grid line immediately to left of point
 LONGITUDE EST: Route de la carte de la ligne de quadrillage immédiatement à gauche du point

Estimate tenths of a square from this line eastward to point
 Estimer le nombre de dixièmes du carré entre cette ligne et le point en direction est

NORTHING: Road number on grid line immediately below point
 LATITUDE NORD: Route de la carte de la ligne de quadrillage immédiatement en dessous du point

Estimate tenths of a square from this line upward to point
 Estimer le nombre de dixièmes du carré entre cette ligne et le point en direction nord

GRID REFERENCE: 97 96
 REFERENCE DE COORDONNÉES: 97 96

Vertical scale: 0 to 1000 feet / 0 to 300 meters

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TABLEAU D'ASSESSMENT DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE

82 J/12	82 J/13	82 J/14
82 J/9	82 J/10	82 J/11
82 J/8	82 J/5	82 J/6

INDEX TO ADDING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

Produced by the SURVEY'S AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Updated from aerial photographs taken in 1972. Culture check 1975. Information current as of 1975.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

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Roads: hard surface, all weather; hard surface, all weather; loose or stabilized surface, all weather; local surface, dry weather and cart tracks; track, cut line or portage

Routes: pavée, toute saison; pavée, toute saison; de gravier, temps sec et routes hors classe; sentier, percée ou portage

FOR COMPLETE REFERENCE SEE REVERSE SIDE / POUR UNE LECTURE COMPLÈTE DES SIGNES, VOIR AU VERSO

TANGLE PEAK
 KOOTENAY LAND DISTRICT
 BRITISH COLUMBIA
 Scale 1:50,000 Échelle

Contours: 100 FEET / 30 METERS
 Elevation in feet above Mean Sea Level / North American Datum 1927 / Transverse Mercator Projection

Échelle: 1:50,000
 Élévation en pieds au-dessus du niveau moyen de la mer / Nord-Américain Datum 1927 / Projection transverse de Mercator

Revue par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à partir de photographies aériennes prises en 1972. Vérification des relevés en 1975. Renouvellement à jour en 1975.

Ces cartes sont en vente au Bureau des Cartes du Canada, Ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le revendeur le plus près.

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TANGLE PEAK
 82 J/12
 EDITION 2

APPENDIX 10
 TOPOGRAPHIC MAP
 1:50,000

23,186

<p>1525.</p> <p>DOL 84.2 44.2 0.7 0.00.3 DOL 70.2 38.9 0.8 0.10.2 MAP-DOL 82.8 18.2 0.7 0.10.2 MAP-DOL 79.0 18.2 0.8 0.10.2 MAP-DOL 72.8 38.8 0.8 0.30.1 MAP-DOL 72.4 38.7 0.8 0.30.1 DOL 88.8 33.0 0.8 0.40.1 DOL 86.8 32.8 0.8 0.30.1 DOL 88.1 38.2 0.3 0.20.1 DOL 89.7 38.7 0.8 0.30.2 DOL 87.4 38.0 0.4 0.10.0 DOL 44.8 33.8 1.5 0.10.0 DOL 48.0 30.2 0.8 0.20.0 DOL 84.1 44.7 0.8 0.30.1</p>	7750.N	7800.N	7850.N	7900.N	7950.N	1525.
<p>1500</p> <p>DOL 48.8 38.0 0.8 0.20.0 DOL 84.8 34.8 0.7 0.10.1 DOL 88.8 32.2 0.8 0.30.1 DOL 88.8 38.7 0.7 0.30.0 DOL 79.4 18.8 0.9 0.30.1 DOL 88.8 18.0 0.8 0.30.1 DOL 72.8 38.7 0.8 0.30.1 DOL 87.8 31.7 0.8 0.10.0 DOL 87.8 31.7 0.8 0.30.1 DOL 71.7 37.8 0.8 0.40.1 DOL 80.8 38.7 0.8 0.30.0 DOL 89.8 38.8 0.4 0.20.1 MAP-DOL 72.0 37.0 0.8 0.30.1 MAP-DOL 78.8 38.8 0.7 0.30.2 MAP-DOL 82.3 18.7 0.7 0.20.1 MAP-DOL 74.2 38.0 0.4 0.30.0 MAP-DOL 78.8 34.0 0.4 0.30.1 MAP-DOL 74.7 34.8 0.8 0.20.1 MAP-DOL 73.4 38.7 0.8 0.20.1 MAP-DOL 70.2 38.7 0.8 0.20.1 DOL 80.0 38.0 0.8 0.30.1 DOL 88.8 42.0 0.8 0.30.1 DOL 82.4 32.7 0.7 0.10.0 DOL 88.4 48.7 0.8 0.30.1 DOL 88.2 42.0 0.8 0.10.0 DOL 84.8 44.2 0.8 0.30.1 DOL 82.8 38.7 0.8 0.40.1 DOL 70.1 38.7 1.0 0.10.0 DOL 88.8 38.2 0.7 0.10.1 DOL 80.0 38.0 0.7 0.10.1 DOL 88.2 38.7 0.7 0.20.1 DOL 70.8 37.8 1.8 0.20.1 DOL 88.8 44.8 2.1 0.20.1</p>	7750.N	7800.N	7850.N	7900.N	7950.N	1500.
<p>1475.</p> <p>DOL 80.8 37.8 1.2 0.20.1 DOL 81.8 48.8 1.1 0.40.2 DOL 88.7 40.8 0.7 0.20.1 DOL 88.4 38.8 0.8 0.10.0 DOL 48.1 88.2 1.8 0.60.0 DOL 88.4 42.7 1.7 0.10.0 DOL 87.4 81.7 0.7 0.10.0 DOL 84.3 44.8 1.0 0.10.1 DOL 88.8 48.2 0.8 0.10.1 DOL 48.8 87.0 3.8 0.10.0 DOL 81.7 37.8 1.0 0.20.1 DOL 48.2 48.8 8.0 0.10.0 DOL 87.8 38.7 1.8 0.10.0 DOL 87.2 41.8 1.8 0.20.1 DOL 48.8 48.8 0.8 0.10.0</p>	7750.N	7800.N	7850.N	7900.N	7950.N	1475.
<p>1450.</p> <p>DOL 80.8 37.8 1.2 0.20.1 DOL 81.8 48.8 1.1 0.40.2 DOL 88.7 40.8 0.7 0.20.1 DOL 88.4 38.8 0.8 0.10.0 DOL 48.1 88.2 1.8 0.60.0 DOL 88.4 42.7 1.7 0.10.0 DOL 87.4 81.7 0.7 0.10.0 DOL 84.3 44.8 1.0 0.10.1 DOL 88.8 48.2 0.8 0.10.1 DOL 48.8 87.0 3.8 0.10.0 DOL 81.7 37.8 1.0 0.20.1 DOL 48.2 48.8 8.0 0.10.0 DOL 87.8 38.7 1.8 0.10.0 DOL 87.2 41.8 1.8 0.20.1 DOL 48.8 48.8 0.8 0.10.0</p>	7750.N	7800.N	7850.N	7900.N	7950.N	1450.

DOL 71.8 71.8 0.8 0.20.0	DOL 82.8 44.2 0.8 0.30.0	DOL 88.8 47.2 0.8 0.10.0
DOL 82.1 48.8 0.8 0.10.0	DOL 48.8 82.0 1.0 0.10.0	DOL 88.8 47.7 0.8 0.10.0
DOL 88.8 38.8 1.1 0.20.1	DOL 47.4 81.7 0.8 0.10.0	DOL 88.8 88.8 0.8 0.00.0
DOL 88.8 88.8 1.8 0.00.0	DOL 88.8 48.2 0.8 0.10.0	DOL 88.8 48.2 0.8 0.10.0
DOL 87.0 42.8 0.8 0.10.1	DOL 48.2 48.8 1.1 0.10.0	DOL 88.2 48.0 1.8 0.00.0
DOL 88.2 48.0 0.8 0.10.0	DOL 81.2 38.7 1.7 0.10.1	DOL 88.2 38.2 0.8 0.00.1
MAP-DOL 88.2 38.2 0.7 0.10.1	MAP-DOL 88.8 38.7 1.2 0.10.1	MAP-DOL 88.7 38.2 0.8 0.10.1
MAP-DOL 88.7 41.7 1.0 0.10.0	MAP-DOL 88.8 38.8 0.8 0.20.1	MAP-DOL 70.8 38.0 0.7 0.20.1
MAP-DOL 71.8 37.8 0.7 0.10.1	MAP-DOL 87.4 38.2 0.8 0.20.1	MAP-DOL 88.8 38.8 0.8 0.10.1
MAP-DOL 73.8 38.8 1.8 0.20.1	MAP-DOL 71.2 87.7 0.8 0.20.1	MAP-DOL 84.3 34.2 1.2 0.10.1
MAP-DOL 88.8 38.8 0.7 0.00.0	DOL 84.8 44.7 0.8 0.10.1	DOL 84.0 48.0 0.8 0.10.1
DOL 87.8 41.0 1.1 0.10.0	DOL 88.8 48.0 1.0 0.10.1	DOL 88.2 38.7 1.8 0.20.1
DOL 87.0 48.0 0.7 0.00.0	DOL 88.8 38.8 0.7 0.10.1	DOL 88.8 38.8 0.7 0.10.1
MAP-DOL 78.8 38.0 1.1 0.10.0	MAP-DOL 88.8 12.2 0.8 0.10.0	MAP-DOL 88.8 12.2 0.8 0.10.0
MAP-DOL 88.8 12.2 0.8 0.10.0	MAP-DOL 88.1 17.8 0.8 0.00.0	MAP-DOL 77.2 31.7 0.8 0.10.0
MAP-DOL 88.8 18.2 0.8 0.10.0	MAP-DOL 87.7 31.8 0.7 0.00.0	DOL 88.8 38.2 1.7 0.00.0
DOL 88.8 38.2 1.7 0.00.0	MAP-DOL 70.8 37.8 0.8 0.20.1	MAP-DOL 81.2 17.8 0.8 0.20.1
MAP-DOL 77.2 31.7 0.8 0.10.0	MAP-DOL 88.4 28.8 0.8 0.10.1	DOL 47.7 81.8 0.8 0.10.0
DOL 48.7 88.8 0.8 0.20.1	DOL 48.2 38.8 0.8 0.30.2	DOL 48.2 48.0 0.8 1.10.2

APPENDIX E
DIAMOND DRILL
CROSS SECTIONS
1:1500

<p>LEGEND</p> <p>DH trace</p> <p>LITHOLOGY MgO, CaO, Fe2O3, SiO2, Al2O3</p>	<p>MAP SCALE</p>	<p>REV. No</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p>	<p>DATE</p> <p>08-15-93</p>	<p>MADE BY</p>	<p>DESCRIPTION</p>	<p>BAYMAG MINES CO. LIMITED</p> <p>MT. BRUSSILOF MAGNESITE MINE</p> <p>DRILL HOLE SECTION PLOT</p>	<p>OFFICE</p>	<p>DEPARTMENT</p>	<p>MILLAR PASS AREA</p> <p>SECTION 12775 NORTH</p>	<p>MAP INDEX NUMBER</p> <p>run122.000</p>	<p>SCALE</p> <p>1 : 1500</p>	<p>DRAWING NUMBER</p>
		<p>DATE</p> <p>08-15-93</p>	<p>DRAWN BY</p>	<p>CHECKED</p>	<p>APPROVED</p>	<p>OFFICE</p>	<p>DEPARTMENT</p>	<p>MAP INDEX NUMBER</p> <p>run122.000</p>	<p>SCALE</p> <p>1 : 1500</p>	<p>DRAWING NUMBER</p>		

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1525.	7750-N	7800-N	7850-N	7900-N	7950-N	1525.
1500.			8882 DDL 45.3 53.50.90.10.1 DDL 44.3 54.51.00.10.1 DDL 44.6 53.71.50.10.1 DDL 51.4 45.52.70.10.1 DDL 51.5 48.97.88.10.1			1500.
1475.						1475.
1450.						1450.
	7750-N	7800-N	7850-N	7900-N	7950-N	

LEGEND DH trace LITHOLOGY MgO, CaO, Fe2O3, SiO2, Al2O3	MAP SCALE	REVISIONS 1 2 3 4 5	DATE 06-15-93	MADE BY	DESCRIPTION	BAYMAG MINES CO. LIMITED MT. BRUSSILOF MAGNESITE MINE DRILL HOLE SECTION PLOT	MILLAR PASS AREA SECTION 12950 NORTH		
		DATE 06-15-93	DRAWN BY	CHECKED	APPROVED		OFFICE	DEPARTMENT	MAP INDEX NUMBER rva122.000