Shell Canada Resources Limited
Box 100 Calgary, Alberta T2P 2H5

W. T. CHERNICHEN
LAND MANAGER

September 21, 1979

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
[redacted]

Mr. William Kuhn
P.O. Box 48812
VANCOUVER, British Columbia

Dear Sir

RE: CASSIAR AREA, BRITISH COLUMBIA

With reference to the discussions between yourself and Messrs. Mannix and Baldwin, this will confirm our understanding of the agreement reached whereby Shell Canada Resources Limited has obtained the exclusive option to purchase certain mineral claims held by you in the Cassiar area, British Columbia.

The following terms constitute the basis of the agreement:

(1) The parties to the agreement are William Kuhn (Kuhn) and Shell Canada Resources Limited (Shell).

(2) In consideration for the payments and commitment to perform exploration and development work referred to in paragraphs 6 and 7 Kuhn grants to Shell the sole and exclusive option to purchase the agreement lands for $3,000,000 (herein called the "purchase price").

(3) The "agreement lands" are the mineral claims described in the attached Schedule "A". Any lands acquired by either party during the term of this agreement within one (1) kilometer of the agreement lands shall become a part of the agreement lands and be subject to this agreement.

(4) The effective date of the agreement is September 17, 1979.

(5) The term of the agreement is for one year from September 17, 1979, renewable thereafter for four one year terms.

(6) Upon execution of this agreement, Shell will pay to Kuhn $20,000. If Shell elects to renew the term of the agreement, it may do so for:

(a) a second term of one year upon payment of $30,000 to Kuhn on or before September 17, 1980;

(b) a third term of one year upon payment of $50,000 to Kuhn on or before September 17, 1981;

(c) a fourth term of one year upon payment of $50,000 to Kuhn on or before September 17, 1982; and

(d) a fifth term of one year upon payment of $200,000 to Kuhn on or before September 17, 1983;

All such payments shall constitute part of the purchase price.

(7) Shell hereby agrees to expend a minimum of $100,000 in exploration and development work to evaluate the agreement lands during the first year of the agreement. If Shell has elected to renew the term of the agreement:

(a) for a second term of one year, it shall be committed to expend an aggregate of $200,000 in exploration and development work by September 17, 1981;

(b) for a third term of one year, it shall be committed to expend an aggregate of $300,000 in exploration and development work by September 17, 1982;

(c) for a fourth term of one year, it shall be committed to expend an aggregate of $400,000 in exploration and development work by September 17, 1983;

(d) for a fifth term of one year, it shall be committed to expend an aggregate of $500,000 in exploration and development work by September 17, 1984.

(8) Shell may at any time during the term of the agreement complete the purchase price less all payments made under paragraph (6) to the date of its election. On payment of the purchase price all rights, title and interest of Kuhn in the agreement lands shall pass to Shell and this agreement shall be terminated.

(9) Upon execution of this agreement, Kuhn shall execute recordable Bills of Sale transferring the agreement lands, free from encumbrances to Shell which Shell may record. Until such time as Shell purchases the agreement lands, they shall be held in trust by Shell for Kuhn.

(10) Kuhn represents and warrants that the mineral claims covering the agreement lands are presently in good standing, free and clear of any encumbrances, liens or charges; that Kuhn has the sole right to enter into this agreement and to dispose of the said mineral claims; and that Kuhn has not made any agreement whereby anyone other than Shell may acquire an interest in the said mineral claims.

(11) Shell will be the operator of the agreement lands and have the exclusive right to conduct all operations thereon.

(12) Shell may, at any time, by notice to Kuhn, surrender all or any part of the agreement lands and thereupon this agreement shall terminate so far as it relates to the lands so surrendered. If Shell elects to surrender all or any part of the agreement lands, Kuhn will be entitled to a reassignment thereof free and clear of encumbrances. In the event Kuhn elects to retain the lands surrendered, Shell will return the lands to Kuhn with sufficient assessment credits covering the lands being surrendered to maintain the lands in good standing for a period of two years.

(13) Shell will provide annual reports to Kuhn covering exploration and development operations and Kuhn shall have the right to inspect Shell's exploration and development operations on the agreement lands.

(14) Kuhn will hold the contents of all reports in confidence and will make no news or other release of information without first having obtained Shell's consent, provided that such consent shall not unreasonably be withheld.

(15) If Kuhn considers that Shell has not complied with any obligation hereunder, Kuhn shall notify Shell in writing, setting out specifically in what respects Kuhn claims Shell has breached this agreement. Shell shall then have 90 days after receipt of such notice within which to remedy or commence to remedy all or any part of the breaches alleged by Kuhn. The giving of such notice shall be precedent to the bringing of any action by Kuhn on the agreement for any cause, and no such action shall be brought until the lapse of 90 days after the giving of such notice to Shell. Neither the service of the said notice nor the doing of any acts by Shell intended to meet all or any of the alleged breaches shall be deemed an admission or assumption that Shell has failed to perform its obligations hereunder.

If the foregoing correctly represents your understanding of the agreement, please acknowledge your concurrence by signing and returning one copy of this letter. Upon receipt, we will commence the preparation of a more formal agreement containing the above terms together with such other terms as are considered normal to this type of agreement. However, the agreement as evidenced herein is not subject in any way to the execution of any such formal documentation and is complete and binding between us for all purposes.

John D. Mannix

J.D. Mannix
Land - Mineral Properties

Acknowledged and Agreed to this 24th day of September, 1979.

William Kuhn

JDM:jr

SCHEDULE "A"

Claim Name	Number	Recording Date	Units
Windy 2	597	August 1, 1978	12
Windy 3	598	August 1, 1978	9
Windy 4	599	August 1, 1978	12
Balsam 1	693	October 20, 1978	12
Balsam 2	694	October 20, 1978	6
Kahru 1	775	June 6, 1979	18
Kahru 2	776	June 6, 1979	18
Kahru 3	777	June 6, 1979	8
Kahru 4	778	June 6, 1979	8
Kahru 5	779	June 6, 1979	6
			109

Appendix 2

SUMMARY OF DRILL CORE ASSAYS
McDAME PROJECT - 1981 PROGRAM

Hole Number	Sample Number	Sample Interval (m)	Width (m)	Assays % WO_3	Assays % MoS_2	Geochemical Analysis (ppm) Cu	Mo	Zn
81-A-1	- No Samples - Hole abandoned in overburden.							
81-A-2	81-A2-1	14.75- 15.25	0.50	0.177		260	44	148
	81-A2-2	39.25- 39.75	0.50	0.272		1000	28	203
	81-A2-3	46.80- 47.00	0.20	0.395		425	48	135
	81-A2-4	62.95- 63.45	0.50	0.286		230	60	208
81-A-3	81-A3-1	70.05- 70.80	0.75	0.010		141	6	1450
	81-A3-2	70.80- 71.80	1.00	0.564		175	24	140
	81-A3-3	71.80- 72.80	1.00	0.317		15	36	30
	81-A3-4	72.80- 73.80	1.00	0.367		12	33	16
	81-A3-5	73.80- 74.80	1.00	0.426		172	33	22
	81-A3-6	74.80- 75.80	1.00	0.453		365	51	30
	81-A3-7	75.80- 76.93	1.13	0.516		445	43	43
	81-A3-8	76.93- 77.88	0.95	0.018		47	10	53
	81-A3-9	77.88- 78.88	1.00	0.369		900	53	190
	81-A3-10	78.88- 79.10	0.22	0.034		172	13	35
	81-A3-11	80.70- 81.25	0.55	0.377		700	37	143
	81-A3-12	81.25- 82.45	1.20	0.327		330	44	132
	81-A3-13	82.45- 84.15	1.70	0.004	0.155	29	>250	21
	81-A3-14	89.00- 90.00	1.00	0.205		305	37	192
	81-A3-15	90.00- 91.00	1.00	0.050		67	23	80
	81-A3-16	91.00- 92.00	1.00	0.004		18	1	30
	81-A3-17	92.00- 93.00	1.00	0.007		14	4	25
	81-A3-18	93.00- 94.00	1.00	0.267		500	33	165
	81-A3-19	94.00- 95.00	1.00	1.055		185	245	160
	81-A3-20	95.00- 96.00	1.00	0.716	0.276	38	>250	57
	81-A3-21	96.00- 97.00	1.00	0.502	0.130	27	>250	80
	81-A3-22	97.00- 97.85	0.85	0.152		19	38	85
81-A-4	81-A4-1	49.75- 50.55	1.00	0.105		34	35	>400
	81-A4-2	76.70- 77.70	1.00	0.384		850	36	185
	81-A4-3	77.70- 78.20	0.50	0.082		1750	9	220
	81-A4-4	78.20- 79.20	1.00	0.341		200	57	143
	81-A4-5	94.45- 94.95	0.50	0.055		119	28	60
	81-A4-6	103.25-104.25	1.00	0.038		37	21	38

DRILL CORE ASSAYS
(Cont'd)

Hole Number	Sample Number	Interval (m)	Width (m)	Assays % WO_3	% MoS_2	Analysis (ppm) Cu	Mo	Zn
81-A-4	81-A4-7	104.25-105.25	1.00	0.087		105	37	48
	81-A4-8	105.25-106.00	0.75	0.184		129	44	72
	81-A4-9	106.00-107.00	1.00	0.034		62	13	45
	81-A4-10	107.00-108.00	1.00	0.415	0.148	350	>250	88
	81-A4-11	108.00-109.00	1.00	0.333	0.232	180	>250	50
	81-A4-12	109.00-110.00	1.00	0.456	0.480	126	>250	60
	81-A4-13	110.00-111.00	1.00	0.784	0.066	128	>250	54
	81-A4-14	111.00-111.65	0.65	0.447	0.019	124	190	40
	81-A4-15	118.50-121.50	3.00	0.012				
	81-A4-16	121.50-124.50	3.00	0.005				
	81-A4-17	124.50-125.50	3.00	0.023				
		125.50-126.50	3.00					
	81-A7-18	126.50-129.50	3.00					
	81-A4-19	129.50-132.50	3.00					
	81-A4-20	132.50-135.50	3.00					
	81-A4-21	135.50-138.50	3.00					
81-A-5	81-A5-1	27.70- 28.70	1.00	0.117		160	>250	235
	81-A5-2	43.50- 44.00	0.50	0.033		156	15	102
	81-A5-3	46.75- 47.25	0.50	0.176		1100	16	75
	81-A5-4	55.95- 57.25	1.30	0.142		265	25	295
	81-A5-5	78.40- 78.90	0.50	0.230		420	>250	115
	81-A5-6	91.25- 92.25	1.00	0.201		1800	36	300
	81-A5-7	92.25- 93.00	0.75	0.036		100	15	100
	81-A5-8	93.00- 94.35	1.35	0.075		160	16	102
	81-A5-9	119.15-120.35	1.20	0.128		450	26	65
	81-A5-10	126.40-126.80	0.40	0.408		1200	67	258
	81-A5-11	130.40-130.85	0.45	0.235		1150	73	225
	81-A5-12	139.25-139.65	0.40	0.102		265	4	255
	81-A5-13	143.00-143.75	0.75	0.008		4000	26	500
	81-A5-14	148.25-149.00	0.75	0.137		1100	42	158
	81-A5-15	154.75-155.65	0.90	0.335		2050	>250	140
	81-A5-16	156.85-157.85	1.00	0.112		210	30	122
	81-A5-17	157.85-158.85	1.00	0.032		74	15	75
	81-A5-18	158.85-159.65	0.80	0.026		152	30	125
	81-A5-19	162.00-163.00	1.00	0.121		390	30	144

DRILL CORE ASSAYS
(Cont'd)

Hole Number	Sample Number	Interval (m)	Width (m)	Assays % WO_3	% MoS_2	Analysis (ppm) Cu	Mo	Zn
81-A-5	81-A5-20	163.00-164.00	1.00	0.008		38	4	70
	81-A5-21	164.00-165.00	1.00	0.005		200	8	98
	81-A5-22	165.00-166.00	1.00	0.010		97	6	49
	81-A5-23	177.90-178.90	1.00	0.009		250	7	140
	81-A5-24	180.60-181.65	1.05	0.026		105	37	488
	81-A5-25	28.70- 29.20	0.50	0.038		86	13	65
	81-A5-27	95.80- 96.80	1.00	0.144		250	24	95
	81-A5-28	98.25- 98.85	0.60	0.043		129	10	45
	81-A5-29	111.55-113.00	1.45	0.219		270	35	92
	81-A5-30	120.35-121.35	1.00	0.106		270	22	140
	81-A5-31	121.35-122.35	1.00	0.120		136	17	72
	81-A5-32	122.35-123.00	0.65	0.008		53	6	118
	81-A5-33	205.74-206.74	1.00	0.001			3	
	81-A5-34	206.74-207.74	1.00	0.003			6	
	81-A5-35	207.74-208.74	1.00	0.002			3	
	81-A5-36	208.74-209.74	1.00	0.118			70	
	81-A5-37	209.74-210.74	1.00	0.058			18	
	81-A5-38	210.74-211.74	1.00	0.019			4	
	81-A5-39	211.74-212.74	1.00	0.065			22	
	81-A5-40	212.74-214.74	2.00	0.004			6	
	81-A5-41	220.50-221.50	1.00	0.041			19	
	81-A5-42	221.50-222.50	1.00	0.006			4	
	81-A5-43	222.50-223.50	1.00	0.004			6	
	81-A5-44	223.50-224.34	0.34	<0.001			91	
81-A-6	81-A6-1	8.64- 9.64	1.00	0.140		315	7	5250
	81-A6-2	9.64- 10.64	1.00	0.101		156	8	2500
	81-A6-3	10.64- 11.64	1.00	0.038		255	7	3800
	81-A6-4	11.64- 12.64	1.00	0.020		134	2	2150
	81-A6-5	12.64- 13.64	1.00	0.100		470	2	4300
	81-A6-6	13.64- 14.64	1.00	0.033		31	63	300
	81-A6-7	14.64- 15.64	1.00	0.314		35	>250	370
	81-A6-8	15.64- 16.64	1.00	0.069		52	7	>500
	81-A6-9	18.17- 19.17	1.00	0.330		64	>250	160
	81-A6-10	19.17- 20.17	1.00	0.058		38	23	48
	81-A6-11	20.17- 21.17	1.00	0.145		35	195	64

DRILL CORE ASSAYS
(Cont'd)

Hole Number	Sample Number	Interval (m)	Width (m)	Assays % WO_3	% MoS_2	Analysis (ppm) Cu	Mo	Zn
81-A-6	81-A6-12	21.17- 22.17	1.00	0.020		19	64	48
	81-A6-13	22.17- 23.17	1.00	0.008		32	155	74
	81-A6-14	23.17- 24.17	1.00	0.008		13	37	35
	81-A6-15	24.17- 25.17	1.00	0.034		23	9	59
	81-A6-16	101.65-102.65	1.00	0.028		17	250	21
	81-A6-17	102.65-103.65	1.00	0.058		27	33	33
	81-A6-18	103.65-104.85	1.20	0.068		14	62	38
	81-A6-19	106.75-107.75	1.00	0.124		40	21	800
	81-A6-20	110.83-111.83	1.00	0.021		75	21	530
	81-A6-21	111.83-112.64	0.82	0.001		20	11	60
	81-A6-22	112.65-114.00	1.35	0.002		167	6	62
	81-A6-23	122.25-123.25	1.00	0.015		32	97	31
	81-A6-24	123.25-124.25	1.00	0.006		13	140	42
	81-A6-25	124.25-125.25	1.00	0.038		6	47	34
	81-A6-26	125.25-126.50	1.25	0.072		4	76	59
81-A-7	81-A7-1	59.40- 60.40	1.00	0.157		114	175	35
	81-A7-2	60.40- 61.40	1.00	0.183		54	150	31
	81-A7-3	61.40- 62.40	1.00	0.086		64	58	30
	81-A7-4	62.40- 63.40	1.00	0.084		69	46	32
	81-A7-5	63.40- 64.40	1.00	0.159		70	76	28
	81-A7-6	64.40- 65.40	1.00	0.352		40	37	30
	81-A7-7	65.40- 66.40	1.00	0.453	0.043	75	>250	32
	81-A7-8	66.40- 67.40	1.00	0.495		47	145	52
	81-A7-9	67.40- 68.40	1.00	0.950		34	185	50
	81-A7-10	68.40- 69.40	1.00	0.521		27	110	28
	81-A7-11	69.40- 70.40	1.00	0.488		27	75	26
	81-A7-12	70.40- 71.40	1.00	0.589		5	170	32
	81-A7-13	71.40- 72.40	1.00	0.166		8	200	33
	81-A7-14	72.40- 73.40	1.00	0.349	0.090	13	>250	35
	81-A7-15	73.40- 74.40	1.00	0.155	0.114	5	>250	34
	81-A7-16	74.40- 75.40	1.00	0.812	0.108	39	>250	63
	81-A7-17	75.40- 76.40	1.00	1.090	0.049	44	>250	55
	81-A7-18	76.40- 77.40	1.00	0.624	0.064	33	>250	58
	81-A7-19	77.40- 78.40	1.00	0.515		26	75	255

DRILL CORE ASSAYS
(Cont'd)

Hole Number	Sample Number	Interval (m)	Width (m)	Assays % WO_3	% MoS_2	Analysis (ppm) Cu	Mo	Zn
81-A-7	81-A7-20	78.40- 79.40	1.00	0.043		10	13	36
	81-A7-21	79.40- 80.40	1.00	0.360		27	53	38
	81-A7-22	80.40- 81.40	1.00	0.292		15	44	37
	81-A7-23	81.43- 84.43	3.00	0.020		132	74	27
	81-A7-24	84.43- 87.43	3.00	<0.001		50	55	28
	81-A7-25	87.43- 90.43	3.00	<0.001		38	13	36
	81-A7-26	90.43- 93.43	3.00	0.002		74	19	25
	81-A7-17	93.43- 96.43	3.00	0.002		25	33	37
	81-A7-28	96.43- 99.43	3.00	<0.001		22	145	38
81-A-8	81-A8-1	85.00- 86.00	1.00	0.053		44	14	32
	81-A8-2	86.00- 87.00	1.00	0.048		20	21	52
	81-A8-3	87.00- 88.00	1.00	0.112		22	33	40
	81-A8-4	88.00- 89.00	1.00	0.009		32	47	40
	81-A8-5	89.00- 90.00	1.00	0.020		36	32	45
	81-A8-6	90.00- 91.00	1.00	0.092		26	31	46
	81-A8-7	91.00- 92.00	1.00	0.055	0.072	26	77	44
	81-A8-8	92.00- 93.00	1.00	0.090		28	69	38
	81-A8-9	93.00- 94.00	1.00	0.039		10	190	38
	81-A8-10	94.00- 95.00	1.00	<0.001		20	47	42
	81-A8-11	95.00- 96.00	1.00	0.001		16	140	42
	81-A8-12	96.00- 97.00	1.00	0.011		18	140	38
	81-A8-13	97.00- 98.00	1.00	0.024	0.074	14	>250	30
	81-A8-14	98.00- 99.00	1.00	0.002		22	37	65
81-A-9	- Hole Lost in Cave - No Samples Taken -							
81-A-9A	81-A9-1	100.05-101.05	1.00	0.113		118	83	20
	81-A9-2	101.05-102.05	1.00	0.205		55	105	22
	81-A9-3	102.05-103.05	1.00	0.123		24	99	27
	81-A9-4	103.05-104.05	1.00	0.324	0.168	10	>250	28
	81-A9-5	104.05-105.05	1.00	0.435	0.096	33	>250	48
	81-A9-6	105.05-106.05	1.00	0.608	0.098	11	>250	35
	81-A9-7	106.05-107.05	1.00	0.153	0.0175	6	175	42
	81-A9-8	107.05-108.05	1.00	0.120	0.084	6	>250	52
	81-A9-9	108.05-109.05	1.00	0.081	0.060	9	>250	54
	81-A9-10	109.05-110.05	1.00	0.484	0.110	9	>250	75

DRILL CORE ASSAYS
(Cont'd)

Hole Number	Sample Number	Interval (m)	Width (m)	Assays % WO_3	% MoS_2	Analysis (ppm) Cu	Mo	Zn
81-A-9A	81-A9-11	110.05-111.05	1.00	0.225	0.072	10	>250	79
	81-A9-12	111.05-112.05	1.00	0.059		16	115	156
	81-A9-13	112.05-113.05	1.00	0.016		23	32	140
	81-A9-14	113.05-114.05	1.00	0.008		49	79	196
	81-A9-15	131.40-132.40	1.00	<0.001		10	38	92
	81-A9-16a	132.40-133.40	1.00	0.113		12	7	35
	81-A9-16b	138.40-139.40	1.00	0.115		6	53	100
	81-A9-17	139.40-140.40	1.00	0.137		87	39	65
	81-A9-18	140.40-141.40	1.00	0.272		92	7	76
	81-A9-19	141.40-142.40	1.00	0.166		45	5	61
	81-A9-20	142.40-143.40	1.00	0.234		45	26	74
	81-A9-21	143.40-144.40	1.00	0.209		129	>250	68
	81-A9-22	144.40-145.40	1.00	0.199		72	10	62
	81-A9-23	145.40-146.40	1.00	0.209		132	14	70
	81-A9-24	146.40-147.40	1.00	0.222		37	4	26
	81-A9-25	147.40-148.40	1.00	0.269		29	38	64

Appendix 3

[redacted]

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO: 3091U
HOLE/SEC. NO: 3091U-80-A-1

POLITICAL UNIT: Drill, Section 0+00

SUR SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE		
		LSD	SEC	TWP	RGE	E/W M
		1/4	UNIT	B	No.	L POR
		U/N	SEC	DEG LAT	MIN	DEG LONG MIN

ADDITIONAL INFO:

CLAIM/PERMIT NO.: Windy 2 (597)
Liard Mining Division

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates - August 4-5, 1980

LOGGING: G. W. Moffat

ASSAYING: Chemex (Vancouver)

LOGGED BY: G. W. Moffat

Drill Grid 0+02S 0+40E

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	0+16S	0+35E				
SURVEY GRID	6579825 N	450985 E	1583 m	AZ. 270°	-45°	68.59m

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM ... TO.	INT. IN FT.	REC. OVERY	ASSAY RESULTS
	0.0	Overburden - soil, carbonate sand.						
	5.48	Basal Talus Rubble - d. grey limestone; triconed, 3% recovery						
	7.62	Massive Buff Dolomite (Upper Atan Fm.) - extensively fractured 75 - 80° to CA 7.62 - 9.00 30% recovery, broken core 9.00 - 9.10 fracture zone 45° to CA 10.04 -10.20 limonite staining - lower contact gradational over 3 cm.						
	10.54	Mottled Grey Dolomite - neutral grey, weakly developed bedding @ 55° to CA 11.67 - 11.74 white recrystallized limestone sharp upper contact @ 65° to CA. Lower contact @ 80° to CA 11.95 - 11.98 graphitic material						
	14.00	Massive Buff Dolomite - upper contact sharp @ 60° 14.65 - 15.50 random seams of turquoise talc & calcite @ 30° & 60°; calcite always along border of seam, talc in core. 15.81 - 15.91 limestone band @ 70° with woody brown tremolite developed along contacts. 15.95 tremolite - calcite seam - lower contact irregular						
	16.04	Mottled Grey Dolomite - calcite & limonite filling fractures @ 40-45° 16.60 - 17.40 gradational into massive beige dolomite 18.00 - 18.80 gradational into beige dolomite						

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from... to...

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO: 3091U-80-A-1

POLITICAL UNIT

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	FOR	
		U/N	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING

LOGGING

ASSAYING.

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ		

LANDMARKS.

OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		containing vugs of calcite & limonite; banding @ 75° to CA	
		19.65 - 19.67 crosscutting calcite vein @ 85° containing mottled dolomite frags.	
		19.84 - 20.06 fracturing @ 50 - 60° to CA healed with calcite, enveloped in dolomite.	
		20.21 - 20.40 massive beige dolomite; sugary texture; network fracturing (no preferred orientation)	
		- lower contact sharp @ 80°	
	20.40	Recrystallized Grey Limestone	
		- weak banding @ 70°	
	20.50	Massive Diopside Skarn	
		- massive grey-green, f.g.; 10% garnets in irregular patches; 0.5 - 1.0% py.	
		- upper contact irregular @ 70°	
		- lower contact @ 40°	
	20.90	Massive Buff Dolomite	
		- as before, f.g.	
		20.90 - 23.00 fractures coated in limonite	
		23.00 diopside appears along fractures @ 10 - 20° to CA.	
		24.45 - 25.31 random calcite filled vugs & patches.	
		- random narrow gradational bands of mottled dolomite	
		- frequency of fracturing & amount of manganese staining increases as lower contact approached.	
		- lower contact sharp @ 70°	
	24.31	Zebra Textured Marble	
		- banding? @ 70° to CA 1 - 3 mm wide	
		- f.g. white to neutral grey	
		27.28 - 27.43 contorted irregular bedding?	
		28.53 - 28.80 massive	
		28.80 - 29.30 mottled grey marble with numerous calcite filled vugs.	

SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from.. to..

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME McDame
PROJECT NO: 3091U
HOLE/SEC. NO.: 3091U-80-A-1

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks
DRILLING
LOGGING:
ASSAYING:
LOGGED BY:

ADDITIONAL INFO.:
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION					'	
SURVEY GRID	N	E		AZ.	'	

LANDMARKS
OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C A./Dip @
		- lower contact obscured @ 45°	
	29.30	Massive Buff Dolomite	
		- as before	
		- lower contact irregular but sharp @ 45°	
	29.74	Banded to Mottled Grey Marble	
		29.74 - 30.00 weakly banded, @ 85° to CA, recrystallized	
		30.00 - 30.84 mottled, extensively fractured.	
	30.84	Mottled Grey Dolomite	
		- lt. grey & beige mottled text.	
		- weak bedding? @ 55° to CA	
		32.00 - 32.55 50% core recovery, ground core	
		33.26 - 33.35 50% recovery, ground core	
		34.25 - 34.44 massive beige dolomite band @ 75° to CA	
	36.23	Zebra Textured Dolomite	
		- white beige dolomite bands 0.4 cm, 50% vol., 50% grey dolomite.	
		- fracture planes coated in calcite	
		39.58 - 38.70 zebra banding much finer, 0.5mm lamellae	
		39.70 - 41.00 70% recovery, ground core	
		47.60 - 48.19 calcite content steadily increases toward skarn contact; fractures coated in limonite & calcite; bedding? 80° to CA	
	48.19	Massive Garnet-Diopside Skarn	
		- upper contact sharp @ 75°	
		- 60% pale pink garnet; 35% pale green diopside 5% actinolite	0.24% WO_3 7.0 m (TW)
		48.19 - 48.23 biotite hornfels calcite seam along contact; hornfels chloritic near contact.	
		- diss. MoS_2 concentrated along first 2 cm of contact	
		48.23 - 48.27 massive diopside (very little garnet)	
		48.27 - 49.00 diss. scheelite (high powellite contact - fluor. yellow-white).	

SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS %WO_3	%Mo	Cu(ppm)	Zn(ppm)	Sn(ppm)
80-A1-08	47.19-48.19	1.0		0.06	<0.001	8	12	1
80-A1-01	48.19-49.19	1.0		0.14	0.054	29	49	2
80-A1-02	49.19-50.49	1.3		0.76	0.110	19	54	2
80-A1-03	50.49-52.49	1.0		0.04	0.012	8	53	4
80-A1-04	51.49-52.49	1.0		0.03	0.005	9	46	3
80-A1-05	52.49-53.49	1.0		0.04	0.005	18	49	1
80-A1-06	53.49-54.09	0.6		0.32	0.015	23	43	1
80-A1-07	54.09-55.19	1.1		0.23	0.048	27	50	1
80-A1-08	55.19-56.19	1.0		0.04	0.003	68	62	1

SYMBOLS AND ABBREVIATIONS
SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO: 3091U
HOLE/SEC. NO. 3091U-80-A-1

POLITICAL UNIT:

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A /Dip
		0.25 - 0.30% WO_3 } 0.73 m (est.) 0.25 - 0.30% MoS_2 } - scheelite in diss. grains to 1.5 mm; cores of crystals usually with less powellite (brighter blue-white fluorescence) - irregular fracturing @ 5° containing blebs of po and calcite - MoS_2 occurs in f.g. masses & blebs usually along borders of garnet aggregates esp. near lower part of skarn band. 49.00 - 49.25 quartz hornfels light cream, minor random garnet bands containing diss. scheelite grains. 49.45 - 49.68 crosscutting qtz veinlet @ 3° to CA, minor calcite *49.25 - 49.61 2.0 - 3.0% WO_3 (est.) (high powellite) 1.0 - 1.5% MoS_2 (est.) - moly occurs in darker actinolite rich patches, not assoc. with scheelite. 50.05 - 50.45 less than 0.25% WO_3; 0.1% MoS_2 (est.) - scheelite grains concentrated along lower contact with hornfels. 50.45 - 50.76 banded quartz-biotite hornfels - contact @ 45° irregular - cream colored, 1.0 - 2.0 mm banding - banding distorted around skarn fragment 51.04 - 51.34 banded quartz biotite hornfels - lt. gry-green, massive, mottled, irregular contact. 52.20 - 55.10 calcite & woody tremolite along fractures @ 0 - 30°; actinolite forming within diopside sections. 54.16 - 54.20 diss. MoS_2 54.38 - 55.10 fine dusting of scheelite, largest crystals to 1 mm (55.06 - 55.10 10% WO_3) 55.00 - 55.22 banded hornfels with garnet-diopside skarn - irregular, gradational contacts	

SAMPLE No.	FROM ..... TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL from .. to ..

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO. 3091U-80-A-1

POLITICAL UNIT.

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE		
		LSD	SEC	TWP	RGE	E W M
		1/4	UNIT	B	No.	L FOR
		U N	SEC	DEG LAT	MIN	DEG LONG MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING.

LOGGING.

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION					'	
SURVEY GRID	N	E		AZ.	'	

LANDMARKS.

OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					
		- diss. po along contact											
	55.10	Mottled Biotite Hornfels (Lower Atan Fm.)											
		- gry brown with drk brown mottled streaks & patches (argillaceous)											
		- upper contact obscure @ 88°											
		55.10 - 55.15 diss. pyrite along slip planes											
		55.84 - 56.60 calcite seam @ 0°											
		56.50 - 56.58 garnet diopside skarn											
		- contacts @ 70°; massive garnet forms band with selvage of epidote & quartz along edges diss pyrite within garnet.											
		56.90 - 57.55 increased diopside skarn bands within hornfels; 1% pyrite; 0.25% scheelite in random grains (56.90 - 57.34)											
	61.74	Biotite Hornfels with Calc-silicate Bands											
		- irregular diopside, actinolite bands rimmed in quartz have permeated bedding? planes @ 85° to CA.											
		- random pyrite filled fractures (minor chalco)											
	62.80	Biotite Hornfels											
		- as before; bedding? consistently 88 - 90° to CA.											
		- finely diss pyrite throughout.											
		65.73 - 65.82 2 - 3% pyrite											
		67.40 } diopside bands with diss pyrite 67.54 }											
	68.59	End of Hole											
		Core Box Inventory											
		Box 1 5.48 - 15.36											
		Box 2 15.36 - 22.28											
		Box 3 22.28 - 28.91											
		Box 4 28.91 - 36.50											
		Box 5 36.50 - 42.09											
		Box 6 42.09 - 48.85											
		Box 7 48.85 - 55.27											
		Box 8 55.27 - 62.18											
		Box 9 62.18 - 68.59											

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME McDame
PROJECT NO 3091U
HOLE/SEC. NO. 3091U-80-A-2

POLITICAL UNIT ... Drill Section 1+00N.

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	5 W	M	
		1/4	UNIT	B	No.	L	POR	
		U N	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks
DRILLING D. W. Coates - August 5, 6, 1980
LOGGING
ASSAYING: Chemex Labs (Vancouver)
LOGGED BY G. W. Moffat

ADDITIONAL INFO..
CLAIM/PERMIT NO.: Windy 2 (597)
Liard Mining Division

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	0+78N	0+75E				
SURVEY GRID utm	6578922 N	451975 E	1573 m	AZ. 270°	-45°	68.23 m

LANDMARKS:
OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C A./Dip @
	0.0	Overburden	
	3.04	Banded Graphitic Marble (Upper Atan Fm.) - grey with black graphitic bands to 1.5 mm, lensy texture; banding very distinct 6.00 - 6.10 - crosscutting calcite veinlets @ 60°	
	6.11	Zebra Dolomite - lt. grey with beige zebra banding - upper contact sharp @ 45° (possibly faulted) with calcite veining along contact surface 6.11 - 7.01 ground core 50% recovery 7.20 - 7.50 extensive fracturing @ 90°; calcite & limonite filling	
	7.50	Mottled Dolomite 7.90 calcite veinlet @ 70° 7.50 - 8.53 ground core 70% recovery	
	8.36	Zebra Dolomite - upper contact sharp @ 55° - 1.0 mm dark band alternating with 1.5 mm lighter bands @ 55° to CA - crosscutting fractures @ 65° - limonite stained (no calcite); also crosscutting fractures @ 65° filled with dolomite	
	10.49	Banded Marble - grey & white banding @ 60° - upper contact @ 45° - irregular but sharp lower contact	
	10.62	Massive Dolomite - cream beige color	
	10.85	Mottled Dolomite - as before, 10.95 - 10.97 weak zebra banding	

SAMPLE No.	FROM ... TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:
SHEET INTERVAL from .. to ..

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME McDame
PROJECT NO.: 3091U
HOLE/SEC. NO.: 3091U-80-A-2

POLITICAL UNIT: .....

SUR SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC		TWP	RGE	E/W M
		1/4	UNIT	B	No	L	POR
		U/K	SEC	DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks

DRILLING

LOGGING

ASSAYING:

LOGGED BY:

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip @
		11.07 - 11.24 massive dolomite band @ 45° with dark green actinolite porphyroblasts (up to 3 mm) - limonite & calcite coatings on fracture surfaces @ 10° - weakly banded in places, averaging 55° 12.57 fracture @ 35°; limonite stained with silicified 1 cm selvage 12.76 fracture as above @ 25° 13.96 - 14.10 zone of extensive fracturing, limonite stained 16.40 - 16.58 banded marble @ 55° 16.58 - 17.20 weak zebra banding 17.20 - 18.71 mottled grey & beige dolomite 18.71 - 18.88 marble - streaky banding @ 55° 18.88 dolomite filled fractures @ 20°	
	20.11	Massive Dolomite - cream beige - crossfracturing healed with calcite	
	20.52	Marble - grey; streaky banding @ 40° - upper contact @ 45° 21.20 - 21.71 contorted banding with diopside 22.00 banding (bedding) @ 90°	
	22.30	Zebra Dolomite	
	22.55	Massive Dolomite - grey with random mottled sections	
	23.30	Marble - upper contact sharp @ 40° - lower contact sharp @ 70° with thin 2-3 mm garnet band	

SAMPLE No.	FROM ... TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from . . to . .

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PAGE 3 OF 8
PROJECT NAME McDame
PROJECT NO. 3091U
HOLE/SEC. NO. 3091U-80-A-2

POLITICAL UNIT .....

SUR SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E W	M
		1/4	UNIT	B	No.	L	POR	
		U N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING.

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION					'	
SURVEY GRID	N	E		AZ.	'	

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A /Dip @
	23.59	Mafic Dyke (Andesite) - dark grey-green; weak foliation (biotite) @ 55°; very f.g. - lower contact sharp @ 55° with thin garnet band 24.27 - 24.52 digested marble blocks altered to diopside calc-silicate; garnet band along lower contact	
	24.52	Marble - cream & grey, weakly banded @ 75° - lower contact sharp @ 55° containing thin pyrrhotite & diopside band	
	25.42	Mafic Dyke (Andesite) - as before - lower contact @ 45° with pyrrhotite & garnets 2 mm wide 25.70 3 mm diopside band @ 70°	
	25.84	Marble - lower contact @ 30° with minor diss. po.	
	25.95	Mafic Dyke (Andesite) - as before; upper contact @ 30°, lower contact @ 10° - blotchy texture, digested limestone zenoliths rimmed in 2-3 cm of diopside.	
	26.40	Marble - weakly banded @ 45°	
	26.83	Massive Garnet Skarn - reddish brown rimmed in green diopside 1-2 mm thick	
	27.17	Mafic Dyke (Andesite) - as before; upper contact @ 40° 27.17 - 27.37 digested carbonate fragment with c.g. garnet-pyrrhotite	

SAMPLE No.	FROM .. TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO.: 3091U-80-A-2

POLITICAL UNIT

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No	L	POR	
		U/K	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING

LOGGING

ASSAYING

LOGGED BY.

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION					'	
SURVEY GRID	N	E		AZ	'	

LANDMARKS.

OTHER FEATURES

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM .. TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					
		core rimmed in diopside - weakly foliated @ 60°											
	28.16	Banded Recrystallized Limestone - light grey; becomes more banded with depth 28.16 - 28.20 Garnet Diopside Skarn band along contact @ 55° 29.90 banding @ 65° 30.50 banding @ 70° 30.90 - 31.05 massive white recrystallized limestone											
	32.50	Banded Dolomitic Limestone - coarsely banded; upper contact @ 70° - white dolomite bands 1-7 cm wide form 60% rock volume - grey limestone bands same comp. & text. as 28.16 - 32.50 - upper contact of dolomite bands always sharper than lower											
	33.63	Granular Sucrosic Limestone - very granular - 2-3 mm crystal aggregates - white, massive, no banding - upper contact @ 70° (sharp) - lower contact @ 45° (sharp but irregular)											
	34.68	Massive Beige Dolomite - fracturing @ 25° (conjugate set), calcite filling											
	34.82	Mottled Grey Dolomite											
	35.25	Granular Sucrosic Limestone - as before; upper contact @ 80°, lower contact @ 75°											
	35.39	Limey Mottled Dolomite - lower contact @ 80°											

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from . to . .

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PAGE 5 OF 8
PROJECT NAME: McDame
PROJECT NO 3091U
HOLE/SEC. NO 3091U-80-A-2

POLITICAL UNIT

SUR SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		N	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING.

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS

OTHER FEATURES.

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM ... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					
	36.83	Granular Sucrosic Limestone - as before; lower contact @ 80°											
	37.00	Massive Buff Limestone											
	37.28	Granular Sucrosic Limestone											
	37.38	Limey Mottled Dolomite - grey, mottled, efferveses weakly											
	38.10	Banded Grey Limestone - as before; upper contact @ 60° 38.66 2 mm pyrrhotite seam @ 30° rimmed in 2 mm diopside selvage 38.80 banding @ 70° 39.14 2 mm pyrrhotite seam 39.24 banding @ 20°											
	40.17	Limey Mottled Dolomite - as before, contacts @ 85°											
	40.88	Banded Grey Limestone - as before											
	41.35	Banded Limey Dolomite - dark grey limey bands alternating with white dolomite; weak zebra texture developed @ 43.40 - upper contact @ 85° 43.80 - 44.50 dolomite becomes extensively fractured by 30° & 40° conjugate fracture sets.											
	44.50	Garnet-Diopside Skarn - 75% diopside; 25% garnet - contact sharp @ 80° - diss. pyrrhotite along lower contact @ 85°											
	44.60	Dark Grey Limestone											

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO.: 3091U-80-A-2

POLITICAL UNIT:

SUR SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE	
		LSD	SEC	TWP	RGE E/W M
		1/4 UNIT		B No	L FOR
		U/N	SEC	DEG LAT MIN	DEG.LONG MIN

ADDITIONAL INFO:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A /Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS % WO_3
		- weakly banded @ 80°						
		45.51 - 45.58 diopside garnet skarn 2 cm garnet crystals occupy core of band enveloped by diopside containing blebs of pyrrhotite						
		45.58 - 45.71 banded grey & white limestone						
	45.71	Mottled Dolomite						
		- as before						
		46.24 - 56.50 garnet-diopside skarn as irregular lenses, surrounded by silicious white calc-silicates; contacts with dolomite irregular but distinct; light olive green mineral? Diss. po occurs as rims around diopside lenses.						
		47.12 - 47.42 Garnet-Diopside Skarn 50% diopside		80-A2-01	47.12-48.76	1.64		0.09
		47.42 - 47.54 pale green dolomite calc-silicate with diss. po 2%						
		- lower contact @ 55°						
	47.54	Massive Limestone						
		- light cream with patches of calc-silicate, f.g.						
		48.20 - 48.28 pale green & pink calc-silicate						
		48.28 - 48.76 Garnet-Diopside Skarn						
		- massive garnet (red-brown) 70%						
		- diopside (pale green) 20%						
		- actinolite (d. green patches) 5%						
		- contacts @ 75° to CA						
		crosscutting 0.7 cm calcite veinlet @ 15° to CA; also contains patches of epidote.						
	48.76	Quartz Hornfels (Lower Atan Fm.)						
		- Light green-grey; weakly banded @ 85°						
		- po band @ 48.82 m (2 mm wide)						
		- lower contact @ 80° irregular but distinct						

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO. 3091U
HOLE/SEC. NO. 3091U-80-A-2

POLITICAL UNIT

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks

DRILLING:

LOGGING

ASSAYING:

LOGGED BY.

ADDITIONAL INFO.

CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION					'	
SURVEY GRID	N	E		AZ.	'	

LANDMARKS

OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A /Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS
	48.93	Mafic Dyke (Andesite) - dk. gry-grn., finely foliated? - irregular banding of lt. gry-grn. calc-silicate 80 - 85° to CA - diss. po 2% thruout (to 1.5 mm in size) also concent. in random 1 cm bands. 49.66 - 49.75 50.16 - 50.19 50.67 - 50.74 cream white silty bands @ 75° to CA 50.78 - 50.86 51.20 - 51.26						
	51.89	Quartz Hornfels - lt. grn-white; diss po along fractures (1%) @ 85° also diopside - contacts @ 75°						
	52.40	Banded Quartz Hornfels & Biotite Hornfels - same comp. as @ 48.93 - mottled brownish & greenish bands - fractures @ 80° containing diopside & 2% po 52.88 - 53.34 Spotted Cordierite Hornfels - fine cordierite porphyroblasts 53.34 - 53.50 ground core 75% recovery 53.18 - 55.60 extensive fracturing & qtz. veining, most prominant 53.65 - 53.75 @ 75° to CA; qtz. veinlets 1-7 mm cutting CA @ less than 50°; diss. py, po. MoS_2 assoc. with q.v.; garnet forms envelope along borders. 53.70 - 54.15 MoS_2 0.5% (visual est.) 54.27 - 55.55 diopside banding more prevalent, bands 1-3 cm @ 70° to CA, usually rimmed in silicious calc-silicate and minor epidote; diss. po & py occupies cores of bands. 56.00 - 56.40 qtz. veining parallel to CA containing diss. py & garnet						

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PAGE 8 OF 8
PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO.: 3091U-80-A-2

POLITICAL UNIT: ..... / ....

SUR SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks
DRILLING:
LOGGING:
ASSAYING
LOGGED BY:

ADDITIONAL INFO.
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION					'	
SURVEY GRID	N	E		AZ.	'	

LANDMARKS.
OTHER FEATURES

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM .... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					
		(along contacts).											
	56.40	Garnet-Quartz Hornfels - light tan color; banding @ 80° - random garnet porphyroblasts to 1 - 3 mm - grad. contact with silty hornfels - qtz. veinlets @ 75° & 15° to CA - both contain diss. MoS_2 - garnets concentrated in felsic silty bands											
	59.78	Quartz Hornfels - fewer garnets than before - qtz. feinlets @ 55 - 60° to CA. 59.78-60.24 - sections between q.v. 60.17-60.28 are extensively fractured @ 60.88-61.00 55° to CA crosscutting prominant plane of qtz veining - garnets have formed along 55° fracturing - bedding 65 - 75° 66.50 - 67.60 finer grained less well bedded 67.60 - 68.23 extensive fracturing with qtz & calcite filling; diss. py.											
	68.23	End of Hole Core Box Inventory Box 1 3.28 - 11.26 Box 6 38.64 - 45.72 Box 2 11.26 - 17.82 Box 7 45.72 - 53.00 Box 3 17.82 - 24.37 Box 8 53.00 - 60.06 Box 4 24.37 - 31.55 Box 9 60.06 - 67.14 Box 5 31.55 - 38.64 Box 10 67.14 - 68.23											

SYMBOLS AND ABBREVIATIONS _____ SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO. 3091U-80-A-3

POLITICAL UNIT: Drill Section 2+00N

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE		
		LSD	SEC	TWP	RGE	E W M
		1/4 UNIT	B	No.	L	POR
		U N	SEC	DEG LAT	MIN	DEG.LONG MIN

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates - August 7, 1980

LOGGING:

ASSAYING: Chemex (Vancouver)

LOGGED BY: G. W. Moffat - August 8, 1980

ADDITIONAL INFO.:

CLAIM/PERMIT NO.: Windy 2 (597)
Liard Mining Division

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	1+70N	1+35E				
SURVEY GRID	6579030 N	450985 E	1579 m	AZ. 270°	-45°	77.12 m

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip @
	0.0	Overburden	
	13.11	Cherty Siltstone (Boulders?) (Kechika Fm.) - lt. gry-beige, weakly banded.	
	13.26	Massive Crystalline Dolomite (Upper Atan Fm.) - white, massive 14.06 - 14.57 mottled grey; fracturing @ 20° to CA with minor calcite & talc. 19.00 - 19.10 muscovite-diopside filled fracture @ 15° to CA; hematite along borders 19.26 Fracture @ 75° with 2 mm seam black actinolite? 19.23 - 20.02 mottled grey dolomite 19.57 - 19.58 actinolite-pyrrhotite seam @ 70° to CA (1 cm).	
	20.02	Diopside-Sulphide Garnet Skarn - upper contact sharp @ 80° 20.02 - 20.65 banded diopside calc-silicate with massive po bands to 3 cm @ 70° to CA - pyrite in aggregates to 1 cm in size in po bands but is less extensive - scheelite occurs as discrete grains to 1 mm in size along borders of po/py bands 20.25 - 20.43 banding highly contorted 20.49 - 20.65 20.65 - 21.32 Sulphide-Diopside Skarn 60% sulphides 50:50, po:py 4% diopside - pyrite grains generally subhedral aggregates; dolomite from 21.10 - 21.27 - upper contact @ 55° 21.32 - 21.68 Sulphide-Garnet Skarn 50% garnet, 50% sulphides (po, py, cp) 21.68 - 22.59 Garnet-Diopside-Sulphide Skarn	0.73% WO_3 / 4.4 m

SAMPLE No.	FROM ..... TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS %WO_3	%Mo	Cu(ppm)	Zn(ppm)	Sn(ppm)	Ag(ppm)	+ Au (ppb) - < 10 +
80A3-21	19.10-20.10	1.0		0.03	0.001	46	28	2	0.1	
80A3-01	20.10-20.60	0.5		0.60	0.002	945	108	28	0.2	
80A3-02	20.60-21.10	0.5		1.11	0.005	1950	44	140	1.8	
80A3-03	21.10-21.60	0.5		0.83	0.003	1700	44	37	0.8	
80A3-04	21.60-22.10	0.5		0.87	0.004	1850	46	31	0.6	
80A3-05	22.10-22.60	0.5		0.92	0.004	2500	38	37	0.8	
80A3-06	22.60-23.10	0.5		1.11	0.005	1450	26	33	0.2	
80A3-07	23.10-23.60	0.5		0.54	0.003	1000	36	47	0.2	
80A3-08	23.60-24.10	0.5		0.25	0.002	450	28	62	0.1	
80A3-09	24.10-24.50	0.4		0.27	0.003	700	24	63	0.1	

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from . to . . . .

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO.: 3091U-80-A-3

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks
DRILLING:
LOGGING:
ASSAYING:
LOGGED BY:

ADDITIONAL INFO.:
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:
OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C A./Dip @
		- as before 22.59 - 22.89 Massive Pyrrhotite Skarn - 70% pyrrhotite; 25% pyrite; 5% garnet & diopside - pyrite in aggregated blebs & bands 22.89 - 23.40 Sulphide-Garnet-Diopside Skarn - 30% sulphides (py, po) 23.40 - 24.46 Garnet-Sulphide Skarn - garnets predominate; 10% po, 5% py - py greater than po between 23.40 - 23.85 - pyrrhotite dominates after 23.85; occurs within zoned cores of garnets 24.46 - 25.14 Contorted Diopside-Sulphide Skarn - upper contact sharp but irregular - drk. blk. biotite hornfels bands in sharp contact with 'jade-looking' mineral (lawn green) containing diss. py. 10% sulphides (5% py, 5% po) 25.14 - 25.70 contorted silicious calc-silicate containing clots of actinolite and diss. pyrite & pyrrhotite (pyrite predominantly in lower half); also black graphitic bands (24.22 - 24.95 est. 0.25% WO_3)	0.56% WO_3 / 6.4 m
	25.70	Mottled Dolomite - upper contact @ 60°; banding @ 45° - lower contact sharp @ 65° irregular - as before, some zebra textures developed - banding @ 55° 26.68 - 27.06 Contorted Diopside Skarn as before; lower contact @ 10° diss. po, pods of calcite filling interstices 27.27 conjugate fracture set @ 35° to CA filled with lt. green talc. 27.62 - 28.00 limonite stained dolomite 28.39 - 28.74 fracture @ 5° to CA filled with jade green mineral plus brownish	

SAMPLE No.	FROM ... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS %WO_3	%Mo	Cu(ppm)	Zn(ppm)	Sn(ppm)	Ag(ppm)	+ Au(ppb) - < 10 +
80A3-22	24.50-25.50	1.0		0.25	0.002	280	196	28	0.4	
80A3-23	25.50-26.50	1.0		0.10	<0.001	86	50	5	0.2	

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from. to.

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO.: 3091U-80-A-3

POLITICAL UNIT:

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No	L	POR	
		U/K	SEC	DEG LAT	MIN	DEG.LONG	MIN	

WORK DONE Name Dates Remarks
DRILLING
LOGGING
ASSAYING
LOGGED BY:

ADDITIONAL INFO.:
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:
OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		red mineral?	
		29.00 - 29.90 dolomite extensively fractured and brecciated with calcite, talc, jade green mineral healing.	
		30.72 - 30.80 calcite & talc seam	
		31.00 - 31.25 parallel fracturing @ 20° filled with calcite	
		31.76 talc healed fracture @ 25° to CA	
		32.90 Massive pyrrhotite band @ 25° to CA 2 cm wide, enveloped along upper contact by diopside band 2 cm thick.	
		33.00 - 33.95 fracturing @ 5° to CA filled with matte black graphite	
		34.13 - 34.55 Sulphide-Garnet Diopside Skarn 25% sulphides (20% po, 5% py) 50% garnet 15% diopside 10% tremolite	
		- upper contact irregular @ 20° to CA (transitional)	
		- lower contact sharp @ 80° to CA	
		34.55 fracturing 35° to CA	0.59% WO_3 / 11.3 m
		34.75 - 35.00 fracturing @ 10° to CA tremolite & calcite filling	
		- random pyrrhotite seams @ 35° & 70° to CA	
		36.75 po seam @ 30° with graphite	
		37.16 - 37.50 fractures @ 30° to CA with po, tremolite & calcite; diss. blebs cp.	1.32% WO_3 / 4.0 m
		38.10 - 38.75 contorted finely banded calc-silicate skarn with bands of massive pyrrhotite; fracturing @ 20° healed with po & calcite most of massive po bands @ 60° to CA and up to 1.5 cm thick; 7 cm calcite seam along lower contact; minor garnet bands	
	38.75	Garnet Skarn - upper contact @ 45° to CA (c.g.)	

SAMPLE No	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS %WO_3	%No	Cu(ppm)	Zn(ppm)	Sn(ppm)	Ag(ppm)	+ Au(ppb) - < 10 +
80A3-24	33.13-34.13	1.00		0.05	0.003	68	58	8	0.1	
80A3-10	34.13-34.55	0.42		0.63	0.016	1000	36	74	0.1	
80A3-25	34.55-35.55	1.00		0.07	0.002	100	48	4	0.6	
80A3-26	35.55-36.55	1.00		0.05	0.002	118	370	2	0.1	
80A3-27	36.55-37.55	1.00		0.05	0.002	245	60	3	0.2	
80A3-28	37.55-38.55	1.00		0.32	0.004	400	128	32	0.1	
80A3-29	38.55-39.45	0.90		0.27	0.006	90	58	65	0.1	
80A3-30	39.45-40.30	0.85		0.02	0.002	50	50	4	0.1	
80A3-11	40.30-40.80	0.50		0.32	0.006	750	66	83	0.8	
80A3-12	40.80-41.15	0.35		0.44	0.011	450	58	82	0.2	
80A3-31	41.15-41.85	0.70		0.06	0.004	106	84	17	0.1	
80A3-32	41.85-42.85	1.00		0.03	0.003	58	52	2	0.1	
80A3-33	42.85-43.85	1.00		0.12	0.008	152	74	13	0.1	
80A3-13	43.85-44.35	0.50		1.00	0.441	52	30	58	0.1	
80A3-14	44.35-44.85	0.50		1.21	0.086	24	22	10	0.1	
80A3-15	44.85-45.35	0.50		1.96	0.114	14	24	18	0.1	
80A3-16	45.35-45.85	0.50		1.32	0.342	6	26	7	0.1	
80A3-17	45.85-46.35	0.50		2.52	0.194	10	18	5	0.1	
80A3-18	46:35-46.85	0.50		0.97	0.044	10	34	6	0.1	
80A3-19	46.85-47.35	0.50		0.60	0.020	24	50	8	0.1	
80A3-20	47.35-47.85	0.50		1.04	0.008	26	182	12	0.1	
80A3-34	47.85-48.85	1.00		0.33	0.004				0.1	

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from to

MVN082V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME McDame
PROJECT NO: 3091U
HOLE/SEC. NO. 3091U-80-A-3

POLITICAL UNIT: ..... / .....

SUR SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING

LOGGING

ASSAYING

LOGGED BY

ADDITIONAL INFO:

CLAIM/PERMIT NO.

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Lithologs)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM / TO	INT IN FT.	REC. OVERY	ASSAY RESULTS
		- massive weakly zoned crystals avg. 5 mm in size forming 'cumulate texture'; interstices filled with actinolite - finely diss. scheelite throughout approx. 0.7% WO_3 - lower contact @ 60° to CA						
	39.40	Mottled Dolomite - as before, fracturing @ 0° & 25° to CA with actinolite and/or pyrrhotite filling						
	40.30	Sulphide-Garnet Skarn 40% pyrite, 5% po 15% graphite in thin bands 40% garnet - graphite-sulphide filled fractures @ 70° 40.75 - 40.96 silicious calc-silicate with massive sulphides						
	41.15	Mottled Dolomite (weakly skarnified) - extensive fracturing healed with calcite & actinolite - talc & calcite bands @ 75° - after 42.25 increased calcite grading into mottled limey dolomite 42.40 - 42.80 banded diopside-sulphide skarn banding @ 85° to CA; sulphides mostly pyrrhotite blebs; extensively fractured @ 45° & 50° to CA (conjugate set)						
	42.25	Massive Dolomitic Limestone - f.g.; effervesces weakly, lt. cream - extensively fractured, esp. near lower contact.						
	43.85	Garnet-Diopside Skarn - massive, m.g., approx. 85% garnet, 15% diopside - upper contact fractured @ 70° - massive garnet interbanded with weakly						

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3091U
HOLE/SEC. NO.: 3091U-80-A-3

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC		TWP	RGE	E/W M
		1/4	UNIT	B	No.	L	POR
		N	SEC	DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks
DRILLING:
LOGGING:
ASSAYING:
LOGGED BY:

ADDITIONAL INFO.:
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ		

LANDMARKS.
OTHER FEATURES:

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C A./Dip @	SAMPLE No.	FROM ..... TO.	INT. IN FT.	REC. OVERY	ASSAY RESULTS
		mottled f.g. cherty siltstone 44.88 - 45.00 1-2% scheelite diss. as large as 1.5 - 2.0 mm crystals; some up to 1.0 cm; 0.3% MoS_2 concentrated along upper contact also in diss. blebs. (45.84 - 46.40 most concentrated WO_3, MoS_2)						
	47.30	Diopside-Tremolite Skarn - transitional with Garnet-Diopside Skarn above; approx. 50% diopside, 25% tremolite, 25% garnet 47.30 - 47.60 2-3% powellite (fluoresces yellow-white) *44.88 - 47.60 0.5% WO_3 est. * 47.60 - 48.29 broken core 60% recovery						
	48.15	Quartz-Biotite Hornfels (Lower Atan Fm.) - f.g. originally siltstone in composition - pale blue-green, massive						
	49.10	Biotite Hornfels - massive, drab brown to blue-grey 49.10 - 49.47 speckled texture, contacts irregular, transitional 49.47 - 50.29 massive qtz-biotite hornfels as before, irregular contact - fracturing @ 10° healed with pyrite, diopside, and actinolite, enveloped in bleached silicious band 53.15 - 54.00 broken core 60% recovery with numerous calcite filled fractures - calcite seams @ 80° & 45° to CA; also lower angle set @ 30° containing diss. pyrite & pyrrhotite - hornfels becomes noticeably coarser grained (m.g.) after 62.40 67.00 - 67.40 calcite seams @ 80° to CA 2 - 5 mm wide.						

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from ... to

MVN082V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO. 3091U
HOLE/SEC. NO. 3091U-80-A-3

POLITICAL UNIT

SUR SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No	L	POR
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks

DRILLING.

LOGGING.

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION					'	
SURVEY GRID	N	E		AZ.	'	

ADDITIONAL INFO

CLAIM/PERMIT NO:

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH m	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
	67.40	Biotite-Cordierite Hornfels - pale maroon-grey color, f.g., silicious - upper contact @ 75° 68.00 - 68.35 quartz filled fracture @ 0° 76.80 - 77.05 qtz veinlets 0.5 cm @ 35° & 0° to CA; diss. MoS_2 along borders & to less extent in core of veinlets - cordierite appears at about 73.00? - random garnets also appear at 75.50 m occurring with cordierite.	
	77.12	End of Hole	
		Core Box Inventory Box 1 13.11 - 20.00 Box 2 20.00 - 27.19 Box 3 27.19 - 34.22 Box 4 34.22 - 41.54 Box 5 41.54 - 48.29 Box 6 48.29 - 55.70 Box 7 55.70 - 62.30 Box 8 62.30 - 69.46 Box 9 69.46 - 76.50 Box 10 76.50 - 77.12	

SAMPLE No.	FROM .... TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL. from to

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PAGE 1 OF 1
PROJECT NAME: McDame
PROJECT NO.: 3191U
HOLE/SEC. NO.: 3191U-81-A-1

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT		B	No	L	POR
		U/N	SEC	DEG LAT	MIN	DEG LONG		MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.: Windy 2 (597)
Liard Mining Division

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates Enterprises
July 12 - 13, 1981

LOGGING:

ASSAYING:

LOGGED BY: G. W. Moffat

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	L18+00N	6+25E				
SURVEY GRID	N	E		AZ. 270°	-70°	20.73m

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip ●
	0.0	OVERBURDEN - glacial outwash sands	
	20.73	HOLE ABANDONED IN OVERBURDEN - artesian water course encountered causing sanding of drill rods.	

SAMPLE No.	FROM ..... TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL. from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3191U
HOLE/SEC. NO.: 3191U-81-A-2

POLITICAL UNIT: Drill Section 10+00N

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		U/J	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.: Windy 2

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates July 14-15, 1981

LOGGING:

ASSAYING: Chemex Labs (Vancouver)

LOGGED BY: G. W. Moffat
B. J. Cooke

Drill Grid 10+05N 0+95W

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	10+00N	3+50E	1524 m	270°	-60°	101.54m
SURVEY GRID	N	E		AZ		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
	0.0	OVERBURDEN & TALUS RUBBLE	
	6.10	MASSIVE TO WEAKLY BANDED GREY DOLOMITE	
		- med. to dark grey; some mottled sections - calcite veinlets @ 15 - 20° to C.A. rimmed in selvages of sericite & diopside - mildly brecciated @ 8.60 m 6.10 - 7.50 - 50% core recovery 8.40 - hairline calcite & limonite filled fractures 0° to 70° to C.A.	10.00 - 50° banding
	12.40	MOTTLED DOLOMITE	12.90 - 45°
		- gradational contact	banding
	13.00	MASSIVE GREY DOLOMITE	14.25 - 65°
		- as before	banding
	15.00	MOTTLED DOLOMITE	
		- as before - calcite-sericite veinlets @ 40° *15.00 - 15.17 - Pyrrhotite-Pyrite-Chlorite Skarn - diffuse upper contact @ 65° - lower contact sharp @ 50° - minor pyroxene & actinolite - pyrite = pyrrhotite 15.65 - mottling fades, dolomite becomes more uniformly banded 16.50 - hematite appears as major Fe oxide filling fractures; transition between 16.00 - 16.50 16.30 - 17.00 - weak irregular dolomite bands 18.30 - 18.85 - mottled banding of darker dolomite bands; hematite occurs along brecciated fractures which have been filled with sparry dolomite + 19.50 - limonite dominant oxide 18.85 - 19.95 - Massive fine grained dolomite 19.95 - 20.25 - Banded Dolomite - white sparry dolomite bands 2 - 3 mm wide (30% bol) @ 55°	20.00 - 55° banding

SAMPLE No.	FROM ..... TO. ..... (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A2-1	14.75 - 15.25	0.50		0.177		260	44	148

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED - MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO: 3191U-81-A-2

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	POR	
		1/4	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		20.25 - 21.05 - Massive Fine Grained Dolomite 20.64 - 20.67 - Chlorite-Pyrite-Pyrrhotite Skarn - as before, sharp contacts @ 75° + 22.25 - hematite dominant Fe oxide *22.23 - 22.27 - Chlorite-Magnetite Skarn - @ 45° to C.A. 24.30 - 25.50 - Massive F.G. Grey Dolomite 25.50 - 29.50 - Weakly Banded Dolomite - dark grey bands 29.26 - 29.87 - broken core - 60% recovery 29.50 - 30.85 - hematite bands up to 0.75 m in sparry dolomite 30.85 - 33.05 - Massive F.G. Dolomite 31.57 - 31.90 - broken core + 32.40 - Limonite dominant Fe oxide *33.05 - 33.07 - Banded Magnetite-Diopside-Chlorite Skarn - bounded by calcite - sharp but wavy contacts @ 80° 33.24 - 33.28 - Banded Magnetite-Diopside Pyrite Skarn - as above but with accessory pyrite + 32.35 - hematite dominant Fe oxide with subordinate limonite *39.47 - 39.73 - Chlorite-Actinolite-Pyrrhotite Pyrite Skarn - selvages of calcite along upper & lower contacts - massive py-po-cp seam 0.45 cm wide in core of skarn band - sharp upper & lower contacts @ 40° 41.15 - 41.30 - hematite filled fractures with calcite selvages 42.30 - 43.00 - numerous limonite filled fractures *44.70 - 44.74 - Banded Pyrrhotite-Chlorite Skarn - calcite selvages as before 45.02 - calcite veinlet with diss. magnetite	30.40 - 45° 43.00 - 63° banding

SAMPLE No.	FROM .. TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
	(m)	(m)						
81-A2-2	39.25 - 39.75	0.50		0.272		1000	28	203

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO. 3191U-81-A-2

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	FOR	
		U/N	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		@ 45° to C.A. 46.00 - 46.30 - broken core - 50% recovery *46.88 - 46.96 - Pyrrhotite-Pyrite-Chlorite Skarn - blebs of pyrite throughout - calcite selvages 47.04 - calcite veinlet @ 45° with magnetite pseudomorph after actinolite(?) growing perp. to vein wall *47.84 - 47.90 - Pyrrhotite-Pyrite Skarn Seam - calcite selvage - @ 68° to C.A. *48.20 - 48.23 - Pyrrhotite-Chlorite *48.34 - 48.43 Skarn Seam - diss. pyrite throughout - avg. 68° to C.A. + 47.00 - diss. magnetite dust in dolomite *48.66 - 48.70 - Pyrrhotite-Chlorite Skarn Seam	
	48.85	WEAKLY MOTTLED LIMEY DOLOMITE - lt. grey & neutral grey bands with white calcite patches 450.00 - 51.25 - dolomite light beige due to limonite staining - calcite-tremolite veinlets 51.25 - 52.20 - dolomite stained rose due to diss. hematite	
	52.70	DOLOMITIC MARBLE - noticeably more calcite; lt. grey - random patches of tremolite (<0.5 cm in size)	
	54.70	MASSIVE ROSE DOLOMITE - diss. hematite along fractures	
	58.50	MASSIVE GREY DOLOMITE - diss. magnetite & pyrrhotite at random intervals	
	60.30	MASSIVE ROSE DOLOMITE - as before	
	61.60	MASSIVE WHITE DOLOMITE	

SAMPLE No.	FROM ... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu	Mo	Zn
	(m)	(m)				(ppm)	(ppm)	(ppm)
81-A2-3	46.80 - 47.00	0.2		0.395		425	48	135

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.: 3191U-81-A-2

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE			
		LSD	SEC	TWP	RGE	W	M
		1/4	UNIT	B	No.	L	POR
		U N	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING.

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		62.25 - patches of hematite covering bladed 62.35 magnetite pseudomorphs after actinolite - growing outward from calcite filled fracture @ 45° to C.A. *62.62 - 62.63 - Pyrrhotite-Pyrite-Chlorite *62.96 - 63.07 Skarn Bands *63.20 - 63.39 - as before; sharp contacts @ 65° to C.A. + 62.60 - fractures coated in tremolite instead of hematite *65.69 - 65.79 - Pyrrhotite-Pyrite-Chlorite Skarn Band - @ 50° to C.A. - as before with calcite selvage along outer margins *66.85 - 66.98 - Pyrrhotite-Pyrite-Chlorite Skarn Band	66.11 - 55°
	69.05	MOTTLED DOLOMITE - as before *71.98 - 72.08 - Pyrrhotite-Pyrite-Chlorite Skarn - contacts @ 45° with calcite selvages	
	75.45	MASSIVE ROSE DOLOMITE - random seams @ 30 - 40° to C.A. containing magnetite & hematite 81.00 - 82.00 - increase in density of fracturing; most common 35° to C.A.; filled with magnetite & hematite + 82.35 - dolomite changes from rose to beige-white in color 83.54 - 0.5% stibnite in diss. & fracture fillings	
	83.61	GREY WEAKLY MOTTLED DOLOMITE - increased calcite & hematite present after 86.00 87.60 - slickensides along hematized fracture surface @ 40° to C.A.	85.50 - 70° banding

SAMPLE No.	FROM ..... TO. ..... (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A2-4	62.95 - 63.45	0.50		0.286		230	60	208

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from.... ..... .to.....

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.: 3191U-81-A-2

POLITICAL UNIT:

SUR SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		87.60 - 89.40 - extensively fractured & hematitic core; calcite healing fractures 88.60 - 89.40	
	89.40	LIGHT GREY DOLOMITE	
		- as before; f.g. hematized fractures throughout	90.00 - 65°
	101.54	END OF HOLE	

CORE BOX INVENTORY

Box 1	6.10 -	13.70	Box 8	55.74 -	62.56
Box 2	13.70 -	20.53	Box 9	62.56 -	69.59
Box 3	20.53 -	27.67	Box 10	69.59 -	77.02
Box 4	27.67 -	34.83	Box 11	77.02 -	84.09
Box 5	34.83 -	42.05	Box 12	84.09 -	90.46
Box 6	42.05 -	48.68	Box 13	90.46 -	98.34
Box 7	48.68 -	55.74	Box 14	98.34 -	101.54

SAMPLE No.	FROM .. . . .. TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ....to ... .

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3191U
HOLE/SEC. NO.: 3191U-81-A-3

POLITICAL UNIT: Drill Section 2+00N

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	POR	
		N/S	SEC	DEG LAT	MIN	DEG.LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING D. W. Coates July 16-18, 1981

LOGGING:

ASSAYING Chemex Labs (Vancouver)

LOGGED BY: G. W. Moffat

ADDITIONAL INFO:

CLAIM/PERMIT NO.: Windy 2

Drill Grid 2+14N 1+12E

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	0+72N	1+75E	1601 m	270°	-55°	111.56m
SURVEY GRID	N	E		AZ.		

LANDMARKS

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
	0.0	Talus Rubble 0.0 - 5.25 - Massive Dolomite 5.25 - 13.72 - White Sucrosic Marble	
	13.27	BEIGE SUCROSIC MARBLE (Upper Atan Fm.) - after 14.30 thin grey bands become more prevalent, marble becomes neutral grey	14.30 - 40° banding
	17.35	WEAKLY BANDED GREY MARBLE - neutral grey with darker grey bands	18.70 - 45° banding
	20.46	MASSIVE BEIGE SUCROSIC MARBLE - sharp upper contact @ 43° - diffuse lower contact	
	21.24	WEAKLY BANDED GREY MARBLE - as before, gradational contact 22.00 - 23.20 - broken core, 80% recovery	21.50 - 40° banding
	22.00	MASSIVE BEIGE SUCROSIC MARBLE	24.15 - 43° banding
	23.80	WEAKLY BANDED GREY MARBLE	
	24.85	MASSIVE WHITE SUCROSIC MARBLE - chlorite filling fractures 20 - 45° to C.A. appears after 26.20	
	27.42	MASSIVE BEIGE DOLOMITE - upper contact sharp, @ 35° to C.A. - random pyrite filled fractures @ 55° to C.A. - minor pyrrhotite grains 28.80 - 29.40 - finely diss. magnetite - chlorite filling fractures 10° to 45° to C.A.	
	34.52	BANDED GREY MARBLE - upper contact sharp @ 75° to C.A. - neutral to dark grey - random sections of massive white sucrosic marble	35.00 - 50° 36.80 - 45°
	38.00	WEAKLY BANDED GREY DOLOMITE - upper contact sharp @ 45° to c.A. 38.60 - 38.75 - zebra banding	
	38.75	WEAKLY BANDED GREY SUCROSIC MARBLE - gradational contact	

SAMPLE No.	FROM ... TO..	INT. IN FT.	REC. OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC. NO.:

POLITICAL UNIT ...../ ....

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No	L	POR	
		1/4	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks
DRILLING:
LOGGING:
ASSAYING:
LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.
CLAIM/PERMIT NO:
LANDMARKS:
OTHER FEATURES.

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		39.35 - 39.46 - Massive Sucrosic Marble - diss. stibnite 39.46 - 39.77 - Weakly Banded Grey Marble - sharp lower contact @ 75°	40.10 - 40°
	40.40	BANDED GREY MARBLE - very distinct banding 43.37 - 43.60 - White Sucrosic Marble 43.65 - 43.68 @ 70° to C.A. - banding often contorted (styolitic?) 45.12 - 45.15 - Calcite seam @ 60° containing pyrite along core 46.87 - 47.06 - White Sucrosic Marble	44.90 - 60° 47.30 - 50°
	47.55	BANDED & WEAKLY BANDED GREY MARBLE 47.70 - 47.74 - Calcite vein @ 45° to C.A. 47.92 - 47.96 po along core 50.12 - 50.20 - White Sucrosic Marble - po fracture fillings 50.60 - Po-py seam cutting pervasive white sucrosic marble band	
	51.21	WEAKLY BANDED GREY DOLOMITE 51.21 - 51.65 - Silicious Qtz Hornfels - weak banding grades into zebra banding @ 52.30 - 52.40	
	52.40	MASSIVE WHITE DOLOMITE - random intervals of weak banding to zebra banding	
	55.22	WEAKLY BANDED GREY DOLOMITE - random weak zebra banded sections	55.55 - 40°
	55.62	MASSIVE WHITE DOLOMITE - diss. chlorite along fractures and in patches 57.79 - Pyrrhotite seam @ 45° - fractures @ 45° healed with calcite 58.50 - 60.60 - Talc + calcite + chlorite increase in abundance as fracture fillings	

SAMPLE No.	FROM .. .. TO.	INT. IN FT.	REC. OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS
SHEET INTERVAL: from..... .to..... ... .

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	FOR	
		N/S	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C A/Dip @
	58.66	BANDED GREY DOLOMITE - upper contact @ 28° - grey to dark grey with sections of well developed zebra banding; also sections of massive white dolomite 61.70 - 61.80 - Calcite & talc filling shear @ 45° to C.A. 62.15 - 62.56 - White Sucrosic Marble - banding @ 55 - 90° to C.A. - after 62.00 noticeable increase in biotite + chlorite + pyrrhotite along fractures 62.56 - 64.28 - Massive White Dolomite	62.33 - 45° banding 65.00 - 43° banding
	68.89	MOTTLED GREY DOLOMITE - gradational upper contact - random zebra banding	
	69.90	MASSIVE BEIGE DOLOMITE - m.g., sandy texture 70.16 - sheared fracture @ 30° to C.A. 70.33 - 70.55 - Massive blebs & patches of po & ZnS; po, py & ZnS also along fractures	
	70.80	BANDED CHLORITE-MAGNETITE-SULPHIDE SKARN (WRIGGLITE) - sharp upper contact @ 60° containing selvage of calcite - massive po & py seam 0.75 cm thick next to contact; coarse scheelite grains - lamallae banded magnetite & chlorite with blebs & masses of pyrite - pyrite increases towards garnet skarn contact 71.10 - massive pyrite seam @ 30° to C.A., magnetite filling interstices	0.44% WO_3
	71.12	MASSIVE GARNET-MAGNETITE SKARN - pale pink garnets avg. 0.6 cm size, well developed crystal faces, 70% vol.	6.13 m (4.0 T.W.)

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A3-1	70.05 - 70.80	0.75		0.010		141	6	1450
81-A3-2	70.80 - 71.80	1.00		0.564		175	24	140
81-A3-3	71.80 - 72.80	1.00		0.317		15	36	30
81-A3-4	72.80 - 73.80	1.00		0.367		12	33	16
81-A3-5	73.80 - 74.80	1.00		0.426		172	33	22

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		- garnet interstices filled with f.g. magnetite - garnets effervesce weakly with HCl - random diss. pyrite blebs, no preferential location, some replacing cores of garnets - interstitial patches of chlorite & vitric quartz - after 71.90 garnets increase in size to + 1 cm, skarn becomes massive in texture; interstitial magnetite also decreases - after 73.55 content of diss. pyrite & vitric quartz also increases - after 74.90 pyrrhotite appears in addition to pyrite 76.80 - 76.96 - Mottled assemblage of dolomite, magnetite & pyrite; crosscutting chlorite fractures with pyrite cores	0.34% WO_3 1.75 m (1.5 T.W.)
	76.96	MASSIVE WHITE DOLOMITE - upper contact sharp @ 45° - numerous fractures containing magnetite ± chlorite ± pyrrhotite - lower contact obscured by broken core	
	77.90	BANDED CHLORITE-MAGNETITE SKARN (WRIGGLITE) - fine convoluted lamellae of magnetite, chlorite, minor pyrrhotite; blebs of pyrite 78.18 - Massive po & py seam crosscutting wrigglite skarn - lower contact irregular @ 0°	
	78.75	MASSIVE WHITE DOLOMITE - as before - numerous magnetite filled fractures @ 0 - 25° to C.A. - after 79.60 dolomite becomes greyer and more mottled in texture - fractures contain chlorite + magnetite + pyrrhotite ± powellite (in centre)	
	80.65	BANDED CHLORITE-MAGNETITE SKARN (WRIGGLITE) - as before, convoluted lamellae banding	

SAMPLE No.	FROM ... TO.	INT. IN FT.	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu	Mo	Zn
81-A3-6	74.80 - 75.80	1.00		0.453		365	51	30
81-A3-7	75.80 - 76.93	1.13		0.516		445	43	43
81-A3-8	76.93 - 77.88	0.95		0.018		47	10	53
81-A3-9	77.88 - 78.88	1.00		0.369		900	53	190
81-A3-10	78.88 - 79.10	0.22		0.034		172	13	35
81-A3-11	80.70 - 81.25	0.55		0.377		700	37	143
81-A3-12	81.25 - 82.45	1.20		0.327		330	44	132
81-A3-13	82.45 - 84.15	1.70		0.004	0.258	29	>250	21

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from ... to ...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No	L	POR	
		U/S	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING

LOGGING:

ASSAYING:

LOGGED BY:

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip @
		- slight increase in pyrrhotite content over previous intersections 80.70 - 80.94 - Massive po seam @ 2° to C.A. with selvage of f.g. chlorite - upper contact @ 20° - lower contact @ 10°	
	81.10	WEAKLY MOTTLED GREY DOLOMITE - massive white grading into mottled grey with depth	
	82.10	BANDED CHLORITE-MAGNETITE SKARN (WRIGGLITE) - as before - upper contact irregular @ 10° - lower contact @ 25°	82.10 - 70° banding
	82.85	MASSIVE WHITE DOLOMITE - cut by magnetite filled fractures 20 - 50° to c.A.	
	83.30	BANDED CHLORITE-MAGNETITE SKARN (WRIGGLITE) - as before 83.75 - 83.86 - Serpentine developed within sheared chlorite	
	83.88	WHITE MASSIVE TO MOTTLED DOLOMITE - upper contact sharp @ 40° - magnetite-chlorite filled fractures (3/10 cm) - after 84.85 density of fracturing increases to 6/10 cm - powellite dust often with po in core of fracture 85.55 - 86.70 - Mottled Grey Dolomite 87.93 - 87.95 - Banded Chlorite-Magnetite 89.75 - 90.00 Skarn 0.1 - 0.2% powellite	85.90 - 65° banding
	90.45	MOTTLED LIGHT GREY DOLOMITE - gradational contact 90.08 - 90.45 - calcite & dolomite filled fracture @ 0° to C.A. with wrigglite skarn selvage	90.60 - 55°
	90.70	MOTTLED TO WEAKLY BANDED DARK GREY DOLOMITE	

SAMPLE No.	FROM ..... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from..... to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		U/V	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip ●
	92.93	BANDED MAGNETITE-CHLORITE SKARN	
		- wrigglite, as before	
		93.00 - 93.10 - Massive po & py seam, lower contact rimmed in 3 cm wide selvage of calcite	
	93.64	MOTTLED LIGHT GREY DOLOMITE	
		- cut by numerous magnetite-chlorite-pyrrhotite filled fractures mostly @ 63°, often dusted with powellite	
		93.72 - 93.80 - 0.5% powellite	
	94.00	BANDED MAGNETITE-CHLORITE (WRIGGLITE) SKARN	
		- upper contact @ 60°	0.63% WO_3, 0.18% MoS_2 / 4.0 m (T.W.)
		- approx. 0.2% powellite	
		- magnetite appears to concentrate near dolomite contact, followed by pyrrhotite and chlorite-magnetite towards garnet contact	0.34% MoS_2 / 2.0 m (T.W.)
	94.35	MASSIVE GARNET SKARN	
		- gradational contact over 15 cm	
		94.35 - 94.55 - 3% WO_3 (scheelite) in coarse crystals	
		- composed of coarse red garnets & dark green chlorite (pseudomorph after diopside?)	
		95.00 - diss. blebs of MoS_2 (no apparent affinity for garnet or chlorite)	
		95.40 - 95.45 - coarse scheelite	
		95.65 - 96.40 - 0.5 - 0.6% WO_3 (scheelite) 0.5% MoS_2	
		96.50 - 96.60 - 0.3% MoO_3 (powellite)	
		97.15 - 97.52 - 0.5% WO_3 (scheelite)	
		- hairline fractures @ 0° to C.A. healed with calcite	
	97.85	CHLORITIC DOLOMITE	
		- pale green, spotted texture	
		- upper contact irregular	
		- lower contact @ 50°	
	98.90	BIOTITE-QUARTZ HORNFELS	
		- dark brown, random quartz filled fractures	

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A3-14	89.00 - 90.00	1.0		0.205		305	37	192
81-A3-15	90.00 - 91.00	1.0		0.050		67	23	80
81-A3-16	91.00 - 92.00	1.0		0.004		18	1	30
81-A3-17	92.00 - 93.00	1.0		0.007		14	4	25
81-A3-18	93.00 - 94.00	1.0		0.267		500	33	165
81-A3-19	94.00 - 95.00	1.0		1.055		185	245	160
81-A3-20	95.00 - 96.00	1.0		0.716	0.460	38	>250	57
81-A3-21	96.00 - 97.00	1.0		0.502	0.217	27	>250	80
81-A3-22	97.00 - 97.85	1.85		0.152		19	38	85

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to .....

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	FOR
		LL	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING.

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS.

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C A /Dip @
		with diss. pyrite @ 0° to C.A. 99.35 - 99.65 - Silicified bands containing chlorite & pyrite @ 60° to C.A. 100.14 - 100.50 - as above 100.57 - 100.77 - Fault Gouge - pasty textured calcite rich 100.89 - 101.10 - Fault Gouge - pasty texture (100.75 - 105.10 - broken core - 60% recovery)	
	102.30	QUARTZ HORNFELS (Lower Atan Fm.) - pale green with random biotite-chlorite bands	
	106.00	BIOTITE-QUARTZ HORNFELS - dark brown, as before - random chloritic band with diss. pyrite	109.20 - 65° banding
	111.55	END OF HOLE	

CORE BOX INVENTORY

Box 1	4.27 -	17.60
Box 2	17.60 -	24.78
Box 3	24.78 -	32.03
Box 4	32.03 -	39.24
Box 5	39.24 -	46.46
Box 6	46.46 -	53.56
Box 7	53.56 -	58.56
Box 8	58.56 -	67.20
Box 9	67.20 -	73.97
Box 10	78.97 -	81.05
Box 11	81.05 -	88.07
Box 12	88.07 -	95.10
Box 13	95.10 -	102.30
Box 14	102.30 -	111.55

SAMPLE No.	FROM ..... - TO.	INT. IN FT.	REC. OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ... to ....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO. 3191U
HOLE/SEC. NO: 3191U-81-A-4

POLITICAL UNIT: Drill Section 3+10N

SUR SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.

CLAIM/PERMIT NO.: Windy 2

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates July 19-23, 1981

LOGGING

ASSAYING: Chemex Labs (Vancouver)

LOGGED BY: G. W. Moffat

Drill Grid 3+10N 0+99E

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	2+62N	2+20E	1608 m	270°	-60°	167.98m
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
	0.0	Talus Cover	
	15.74	BIOTITE-QUARTZ HORNFELS (Kechika Fm.) 15.74 - 32.50 - broken core 45% recovery - f.g., grey, massive hornfels 21.60 - 21.96 - Cherty Quartz Hornfels - lt. beige-brown; banding @ 35° to C.A. - numerous crosscutting veinlets of pyrite @ 10° to C.A. 22.85 - 23.00 - Andesite Dyke - f.g. finely foliated @ 5 - 10° to C.A. *23.00 - 23.20 - Diopside-Garnet Skarn - upper & lower contacts in ground core - 3% scheelite grains 23.20 - Cherty Quartz Hornfels - very cherty with diopside filled network fracturing 28.65 - 28.90 - 1% diss. po in qtz hornfels band *29.45 - 29.50 - Garnet-Diopside Skarn - 2% scheelite	23.00 - 35° banding 27.00 - 40° contact
	29.70	WHITE RECRYSTALLIZED MARBLE (Upper Atan Fm.) - weakly banded; white to med. grey with random darker carbonaceous bands @ 40° to C.A. *30.65 - 30.75 - Garnet-Diopside-Actinolite Skarn - massive; minor diss. py, po & scheelite 30.75 - 30.85 - Leuco Quartz Monzonite - upper & lower contacts in broken core *32.25 - Massive Diopside-Quartz Skarn - upper & lower contacts obscured - 6% coarse scheelite crystals	
	32.25	BUFF DOLOMITE - massive, f.g. to m.g., buff to buff-cream, - fractures with limonite or tremolite 34.20 - Magnetite-calcite veinlet @ 35° to C.A. - crosscutting quartz-calcite veinlets	

SAMPLE No.	FROM ... TO ...	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ... to ...

MVN082V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		N/S	SEC	DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologs)	Structural Angle SYMBOL C.A./Dip @
		- random patches of d. green actinolite +35.50 - qtz-calcite veinlets persist but actinolite decreases; chlorite appears as fracture filling with depth †43.00 - calcite content of dolomite increases, first as fracture filling, becoming more pervasive	44.60 - 40° contact
	44.60	BANDED GREY MARBLE - upper contact sharp @ 40° - well banded with darker carbonaceous inter-beds - coarser recrystallized marble along fractures 47.24 - 47.44 - Massive Recrystallized Marble - sharp contacts @ 52° 48.53 - 48.86 - Massive Recrystallized Marble - as above, diffuse gradational contacts	45.00 - 50° banding
	49.83	GARNET-DIOPSIDE-ACTINOLITE SKARN - 60% coarse olive green garnets 25% diopside 15% actinolite - occurs in patches within the interior of the skarn band - calcite fills garnet interstices - 1.5 cm sphalerite seam along upper contact; also contains blebs of pyrite - upper & lower contacts sharp @ 45° 50.07 - 50.65 - 0.5% powellite (very fine dusting)	49.83 - 45° contact
	50.65	BANDED GREY MARBLE - upper contact @ 45° - grey with darker grey carbonaceous banding - random diffuse recrystallized calcite bands, usually containing po filled fractures (51.13; 51.27; 51.80 m)	
	52.38	MASSIVE WHITE DOLOMITE - f.g., looks like qtz hornfels	

SAMPLE No.	FROM ..... TO. ..... (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A4-1	49.75 - 50.55	0.80		0.105		134	35	>400

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from..... to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC. NO.

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		N/S	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip ●
		- fractures contain tremolite, others with minor magnetite	
	53.10	BANDED GREY MARBLE - as before, contains diffuse white recrystallized marble bands - fractures in recrystallized bands contain tremolite	53.50 - 70° banding
	55.45	SERPENTINIZED MAFIC-ULTRAMAFIC DYKE - upper contact sharp @ 90°; po seam - serpentine developed along shear planes - diss. magnetite <1% - lower contact @ 70° with veinlets of MoS_2 & magnetite - fractures filled with tremolite	
	55.60	MOTTLED DOLOMITE - grey & beige mottled bands 55.65 - 55.75 - zebra banding 57.40 - 57.61 - good zebra textures banding locally truncated †59.00 - magnetite appears as fracture filling 59.00 - 59.50 - zebra texture banding developed over limited sections	57.38 - 55° banding
	60.30	ZEBRA TO MOTTLED GREY DOLOMITE - gradational contact - mottled sections transitional into zebra banding - fracturing 10° to 45° to C.A.; healed with magnetite or tremolite 60.83 - 60.98 - massive white dolomite 61.07 - 61.17	
	62.80	MOTTLED DOLOMITE - lt. grey; gradational with zebra dolomite 63.24 - fracturing @ 15° with mag., po & powellite	62.00 - 65° zebra banding

SAMPLE No.	FROM ... TO. ...	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E W	M
		1/4	UNIT	B	No.	L	POR	
		N S	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO:

WORK DONE Name Dates Remarks

DRILLING

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ		

LANDMARKS.

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ⊕
		+64.00 - density of fracturing increases noticeably; 10°, 40° & 60° - diss. powellite occurs in cores of magnetite seams with po 67.68 - 67.94 - massive beige dolomite heavily fractured; healed with limonite tremolite & magnetite patches 71.00 - 71.55 - numerous fractures with powellite & po 74.66 - 74.69 - zoned seam @ 60° to C.A. - magnetite & calcite along edge, chlorite & sericite? in core - powellite diss. throughout	72.60 - 60° banding 75.90 - 60° banding
	76.68	CHLORITE-SULPHIDE SKARN - upper contact @ 30° - irregular but sharp - seam of po, py, mag occupies core of band, enveloped by chlorite, quartz & biotite 76.68 - 77.65 - 1% finely diss. powellite *77.65 - 78.20 - Massive Pyrrhotite-Pyrite Skarn - 60% po; pyrite forms coarse crystals up to 1.5 cm within lower half of zone; chlorite fills interstices 78.23 - 78.95 - approx. 3% diss. powellite - some sections show convoluted wrigglite skarn textures, pyrite & magnetite dominate with lesser diss. po	0.306% WO_3 2.5 m (2.0 TW)
	78.95	MOTTLED GREY DOLOMITE - after 79.50 - becomes massive. f.g. 79.10 - 79.13 - seam of magnetite, quartz & chlorite, 3% powellite 80.97 - 81.15 - 5% diss. powellite - magnetite ± pyrrhotite filling fractures with calcite ± powellite 85.40 - 85.60 - zone of brecciation healed with calcite & diss. po - no preferred fracture direction is mineralized with powellite; irregular, wavy fractures may be magnetite filled styolites	79.10 - 40° banding

SAMPLE No.	FROM ... TO. (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A4-2	76.70 - 77.70	1.0		0.384		850	36	185
81-A4-3	77.70 - 78.20	0.5		0.082		1750	9	220
81-A4-4	78.20 - 79.20	1.0		0.341		200	57	143

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP		RGE	E/W	M
		1/4	UNIT	B	No	L	POR	
		U/V	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

ADDITIONAL INFO:

CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		94.64 - 94.75 - 0.2% powellite - after 95.50 density of fracturing increases but magnetite + powellite decreases; po still occupies hairline fractures in core - random area of chlorite alteration - fracture density 5 per 10 cm at 105.68 m 103.18 - 103.34 - 0.3% powellite with magnetite, chlorite & po 104.65 - 104.81 - 0.2% powellite	
	105.15	BANDED MAGNETITE CHLORITE PYRRHOTITE SKARN (Wrigglite Texture) - 0.3% powellite diss. within po-rich bands 105.40 - 105.67 - unaltered mottled marble	
	105.67	QUARTZ-BIOTITE-MAGNETITE-EPIDOTE-PYRITE SKARN - lt. cream grey quartz hornfels (50% by vol); magnetite & biotite form patchy bands (25% vol); epidote 10% & pyrite 10% in random patches; chlorite 5% - diss. blebs & small seams of MoS_2, best example - 107.50 - 108.00 107.00 - 111.50 - 0.5% WO_3 (diss. scheelite) 108.85 - 109.00 - seam of MoS_2 & pyrite @ 5° to C.A. 109.15 - MoS_2 seam @ 35° to C.A. 110.00 - seam of biotite @ 15° to C.A. 111.28 - 111.50 - brecciated hornfels healed with calcite & chlorite	0.49% WO_3, 0.33% MoS_2 4.65 m (4.2 T.W.)
	111.65	BEIGE BIOTITE-QUARTZ HORNFELS (Lower Atan Fm.) - mottled lt. brown to grey - patches of chlorite & bands of calcite 111.77 - 111.80 - quartz vein @ 60° 111.97 - 112.00 - biotite-chlorite seam 113.65 - 113.92 - quartz-chlorite vein @ 45°	114.00 - 70° banding

SAMPLE No.	FROM ... TO. . ..	INT. IN FT.	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu	Mo	Zn
	(m)	(m)				(ppm)	(ppm)	(ppm)
81-A4-5	94.45 - 94.95	0.5		0.055		119	28	60
81-A4-6	103.25 - 104.25	1.0		0.038		37	21	38
81-A4-7	104.25 - 105.25	1.0		0.087		105	37	48
81-A4-8	105.25 - 106.00	0.75		0.184		129	44	72
81-A4-9	106.00 - 107.00	1.0		0.034		62	13	45
81-A4-10	107.00 - 108.00	1.0		0.415	1.247	350	>250	88
81-A4-11	108.00 - 109.00	1.0		0.333	0.387	180	>250	50
81-A4-12	109.00 - 110.00	1.0		0.456	0.800	126	>250	60
81-A4-13	110.00 - 111.00	1.0		0.784	0.110	128	>250	54
81-A4-14	111.00 - 111.65	0.65		0.447	0.032	124	190	40

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO:

POLITICAL UNIT:

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	POR	
		U/V	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip @
	114.45	BIOTITE-QUARTZ-CORDIERITE HORNFELS - grey brown with beige bands containing diffuse cordierite porphyroblasts 118.58 - quartz vein (2 cm) @ 30° to C.A. with MoS_2 along hairline fractures - diss. py throughout approx. 0.2% 119.30 - quartz veins @ 40° & 45° to C.A. 119.85 (2 mm) with MoS_2 along veinlet wall 120.30 - quartz vein (4 mm) @ 25° with MoS_2 123.40 - 124.00 - pale green silicified seams with chlorite, diss. po & py @ 70 - 80° to C.A. 125.20 - 125.35 - silicified chlorite patches containing diss. py & po 125.40 - 125.50 - two parallel quartz veins @ 5° to C.A. with diss. MoS_2 125.32 - quartz veinlet @ 45° (1 mm) 126.64 - quartz veinlet @ 90° (7.5 mm) with MoS_2 - after 125.50 - chlorite patches appear to be rimmed with biotite 129.65 - 129.70 } - calcite veinlets @ 0° to 130.00 - 130.10 } C.A. containing open space quartz crystals 131.25 - quartz vein @ 5° to C.A. containing MoS_2, crosscuts biotite-chlorite band - after 135.45 patchy zone of chlorite-biotite alteration ends 133.70 - 133.80 - quartz veinlet 5° to C.A. with MoS_2 (cloudy qtz) 134.57 - 134.70 - quartz veinlet 0° to C.A. with clear qtz (high temp) 135.03 - quartz veinlet 35° to C.A. cloudy qtz with MoS_2 135.76 - quartz veinlet 40° to C.A. with MoS_2 (cloudy qtz) 135.87 - quartz veinlet 30° to C.A. with MoS_2	122.50 - 62° foliation 130.50 - 70° foliation 132.25 - 70° foliation

SAMPLE No.	FROM ..... TO. ..... (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A4-15	118.50 - 121.50	3.0		0.008	0.012			
81-A4-16	121.50 - 124.50	3.0		0.009	0.005			
81-A4-17	124.50 - 125.50	1.0		0.005	0.023			

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from..... to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No	L	POR
		N/S	SEC	DEG LAT	MIN	DEG LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
	131.40	BANDED QUARTZ HORNFELS & CHLORITE-BIOTITE HORNFELS - buff with darker brown biotite-chlorite bands - biotite generally rims chlorite & fills fractures - diss. py (2%) throughout chlorite-rich bands - quartz hornfels bands often spotted with cordierite 133.70 - 133.82 - quartz veinlet @ 0° to C.A. with diss. MoS_2 - chlorite diminishes after 134.30 134.14 - 134.33 - quartz veinlet @ 0° with open space vuggy crystals; crosscutting veinlets @ 60° with diss. MoS_2 135.03 - quartz veinlet with diss. MoS_2 @ 38° to C.A. - quartz veinlets with MoS_2: 135.85 @ 32° to C.A. 135.96 @ 34° to C.A. 138.40 calcite filled fracture @ 25° to C.A.	136.50 - 80° banding
	137.95	BANDED BIOTITE HORNFELS & QUARTZ HORNFELS - gradational upper contact - dark biotite hornfels increases with depth; cordierite porphyroblasts become larger, massive & intergrown bio/hornfels: qtz hornfels approx. 2:1 - biotite hornfels becomes more massive and less well banded with depth 140.66 140.90 - Quartz veinlets with MoS_2 141.23 @ 30° to C.A. 142.00 - after 142.00 few cordierite or quartz hornfels bands	139.00 - 60° banding
	144.93	ANDESITE DYKE - d. green, massive, random plagio/phenocrysts to 2 mm in size	144.93 - 45° contact

SAMPLE No.	FROM ... TO ...	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME.
PROJECT NO.:
HOLE/SEC NO..

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE		
		LSD	SEC	TWP	RGE	E/W M
		1/4	UNIT	No.	L	POR
		U/V	SEC DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks
DRILLING:
LOGGING:
ASSAYING:
LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.:
CLAIM/PERMIT NO.:
LANDMARKS.
OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		- quartz veinlets @ 25° rimmed with selvage of biotite, minor diss. py - after 147.25 diss. pyrite increases in vol.	
	158.07	BIOTITE HORNFELS - drab brown, as before - random cordierite porphyroblasts in more bleached silicious sections 164.00 - quartz veinlet (1 cm) @ 30° with py blebs, minor po	148.07 - 45° contact 162.50 - 80° banding
	164.00	BANDED BIOTITE & QUARTZ HORNFELS - as before; gradational upper contact 164.12 - quartz veinlet @ 65° with MoS_2 164.85 - quartz veinlet @ 0° with MoS_2 - biotite rims silicious hornfels bands but no chlorite present; biotite also occurs along fractures	
	166.70	GREY QUARTZITE - massive, dirty grey, gradational 167.80 - quartz veinlet @ 45°; biotite selvage; diss. MoS_2 & py - chlorite alteration patches, biotite along fractures 169.40 - quartz veinlet @ 40° with diss. cp, po, MoS_2	
	169.51	END OF HOLE	

CORE BOX INVENTORY

Box 1	15.75 - 32.50	Box 12	102.58 - 109.75
Box 2	32.50 - 39.02	Box 13	109.75 - 116.95
Box 3	39.02 - 45.93	Box 14	116.95 - 124.31
Box 5	52.73 - 60.00	Box 15	124.31 - 131.40
Box 6	60.00 - 67.19	Box 16	131.40 - 133.70
Box 7	67.19 - 74.22	Box 17	133.70 - 146.34
Box 8	74.22 - 81.33	Box 18	146.34 - 153.20
Box 9	81.33 - 88.56	Box 19	153.20 - 159.75
Box 10	88.56 - 95.58	Box 20	159.75 - 166.78
Box 11	95.58 - 102.58	Box 21	166.78 - 169.51

SAMPLE No.	FROM ... TO ...	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:
SHEET INTERVAL: from... to...

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO. 3191U
HOLE/SEC. NO.: 3191U-81-A-5

POLITICAL UNIT: Drill Section 6+90N

SUR SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U	SEC	DEG LAT	MIN	DEG LONG	MIN

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates Enterprises (July 24-2/81)

LOGGING:

ASSAYING: Chemex Labs (Vancouver)

LOGGED BY: G. W. Moffat
M. Balog

ADDITIONAL INFO.:

CLAIM/PERMIT NO.: Windy 2

Drill Grid 6+92N 0+85E

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	6+00N	3+50E	1583 m	270°	-60°	224.39
SURVEY GRID	N	E		AZ.		(m)

LANDMARKS.

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip ⊕	SAMPLE No.	FROM ... TO. ...	INT. IN FT.	REC-OVERY	ASSAY RESULTS					
	0.0	Talus Cover											
	4.0	BIOTITE-QUARTZ HORNFELS - mottled brown & grey, banding @ 20° to C.A. 0.0 - 13.72 - broken core - 27% recovery											
	8.0	MOTTLED DOLOMITE - grey with diffuse white bands - upper & lower contacts obscured - random cherty hornfels sections											
	12.00	MASSIVE GREY MARBLE - gradational with depth into massive dolomite 13.72 - 16.00 - 50% recovery											
	15.85	MASSIVE GREY DOLOMITE - spotted with calcite, calcite also healing fractures often with diss. pyrite. - becomes med. to dark grey with depth. - after 22.50 tremolite appears as fracture filling - calcite veinlets @ 50 - 60° to C.A.											
	24.90	MOTTLED BEIGE DOLOMITE - mottled bands @ 70° to C.A. - diss. pyrite has produced mild limonite staining	25.50 - 70° banding										
	25.90	MASSIVE GREY DOLOMITE - as before - mottled bands fading with depth - fractures healed with calcite @ 20° with minor tremolite											
	27.00	MOTTLED DOLOMITIC MARBLE - effervesces weakly with HCl - as before	27.25 - 65° banding										

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to.....

MV/N062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC NO. 81-A-5

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U	SEC	DEG LAT	MIN	DEG LONG	MIN

WORK DONE Name Dates Remarks
DRILLING
LOGGING
ASSAYING:
LOGGED BY:

ADDITIONAL INFO.
CLAIM/PERMIT NO.

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS
OTHER FEATURES

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C A./Dip @
		MOTTLED DOLOMITIC MARBLE (Cont'd) 26.35 - magnetite - po seam @ 30° 28.62 - po seam @ 20° - after 28.25 noticeable increase in amount of tremolite healing fractures - mottling composed of lt. grey dolomite & calcite patchy bands *27.70 - 27.75 Chlorite - Pyrrhotite - Biotite Skarn Seams *28.15 - 28.23 *28.39 - 28.70 - 10% diss. po - calcite selvage along skarn bands - pyrite in fractures @ 30° - contact of skarn bands @ 45 - 50°	28.20 - 75° banding 27.70 - 50° contact
	28.80	MASSIVE GREY DOLOMITIC MARBLE - effervesces weakly with HCl 28.92 - magnetite - po seam @ 40° 30.00 - 30.85 - abundant calcite fracture filling *30.50 - 30.60 - Chlorite-Pyrrhotite-Pyrite-Biotite Skarn - diss. MoS_2 in grains along banding also powellite (no scheelite) - pyrite seam in centre of skarn, rimmed with MoS_2, biotite & chlorite occur further out & calcite along borders 30.70 - 30.75 - calcite - chlorite - pyrrohite seam @ 75° to C.A., diffuse contacts	
	30.85	MASSIVE GREY DOLOMITE 30.80 - 30.85 - magnetite - po styolitic seam @ 0° to C.A. 34.00 - 34.70 - crosscutting calcite filled fractures 28° - 40° to C.A.	

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-1	27.70 - 28.70	1.0		0.117	0.098	160	>250	235
81-A5-25	28.70 - 29.20	0.5		0.076		127	88	128

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC NO.: 3191U-81-A-5

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	FOR	
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ⊕
	35.55	MOTTLED GREY LIMEY DOLOMITE - upper contact obscured, light to med. grey - random patches of tremolite 35.80 - magnetite first appears filling fractures 37.30 - 37.35 - calcite veinlets @ 35° to C.A. containing diss. magnetite, borders rimmed in calcite	36.00 - 60° banding 37.95 - 58° banding
	39.46	MASSIVE BEIGE-GREY DOLOMITE - massive f.g. (looks like qtz. hornfels) 40.40 - magnetite seam @ 15° to C.A. - calcite veinlets @ 15° with diss. magnetite - diss. actinolite needles throughout 41.30 - magnetite - po seam @ 20°	40.25 - 50° banding
	41.58	MASSIVE GREY DOLOMITE - calcite along fractures @ 45° to C.A. 42.03 - po - calcite - chlorite seam @ 40° (2 cm) 43.11 - po seam @ 30° to C.A. *43.69 - 43.90 - Banded Chlorite-Pyrite-Biotite Pyrrhotite Skarn (wrigglite texture) - d. green, weakly banded - 50% chlorite; 15% pyrite in blebs; 15% biotite - bleached near contacts *46.80 - 47.08 - Massive Chlorite-Biotite-Pyrite Skarn - brown-green; 2% pyrite - contacts @ 40%	46.80 - 40° banding
	51.64	MOTTLED LIMEY DOLOMITE - lighter bands & fractures are calcite - tremolite in patches & rims along calcite veinlets	

SAMPLE No.	FROM TO. (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-2	43.50 - 44.00	0.5		0.033		156	15	102
81-A5-3	46.75 - 47.25	0.5		0.176		1100	16	75

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from... to...

MVN082V

SHELL CANADA LIMITED - MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC NO. 3191U-81-A-5

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		U/V	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks
DRILLING:
LOGGING:
ASSAYING:
LOGGED BY:

ADDITIONAL INFO.
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ		

LANDMARKS:
OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
		51.65 - 52.20 - f.g. massive beige dolomite 53.77 - po-py seam @ 45° to C.A. - after 54.00 tremolite diminishes in fractures 53.65 - 55.10 - mottled to weakly banded with numerous calcite veinlets @ 60° parallel to banding 52.88 - po seam @ 55° 53.70 - 53.80 - chlorite seam with po-py along core @ 50° - apparent zoning po-py, chlorite, biotite, calcite 55.10 - f.g. grey dolomite *55.95 - 56.13 - Chlorite-Magnetite-Pyrrhotite-Pyrite Skarn - upper contact irregular - lower contact sharp @ 60° - zoned: po & py core; chlorite, calcite & f.g. po outwards - magnetite concentrated near lower contact 56.40 - 56.53 - irregular chlorite seam rimmed with calcite, diss. py in core 56.79 - 56.84 - chlorite, po, calcite, biotite seam @ 25° to C.A.	54.30 - 68°	81-A5-4	55.95 - 57.25	1.30		0.142		265	25	295
	57.33	MOTTLED LIMEY DOLOMITE - banding of f.g. grey dolomite & sparry white dolomite (50:50)	57.50 - 70°									
	58.45	BANDED GREY LIMEY DOLOMITE - fine d. grey banding - calcite veinlets @ 35 & 52° with diss. po - gradational upper & lower contacts										
	59.48	MASSIVE GREY DOLOMITE - f.g. neutral grey 61.85 - 63.45 - tremolite more abundant in fractures rimmed in calcite,										

SYMBOLS AND ABBREVIATIONS:
SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO
HOLE/SEC. NO.: 3191U-81-A-5

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C A./Dip ●
		density of fracturing also increases - most 15° & 50° to C.A. 63.54 - 64.00 - Fault Gouge? - limonitic, brown 64.00 - 65.90 - f.g. dolomite cut by calcite masses & veinlets, minor tremolite, densely fractured & limonite stained @ 10 - 20° to C.A. 65.90 - massive dolomite - after 69.45, no tremolite in fractures 72.70 - 76.25 - fracture density increases, calcite healed 40 - 45° to C.A., massive patches of calcite 75.15 - 75.29 - fault gouge - brown limonitic, calcareous	
	75.29	MASSIVE GREY DOLOMITE - fractured with calcite & limonite healing @ 30° to c.A. (conjugate fracture set) 75.80 - 76.00 - quartz-calcite vein @ 0° to C.A., diss. MoS_2 along border, patches of chlorite - after 76.20 becomes more silicious quartz hornfels 76.75 - 76.90 - massive quartz-calcite vein with chlorite after tremolite needles	
	77.00	MASSIVE LIMEY DOLOMITE 77.86 - 78.42 - massive f.g. beige dolomite - conjugate fracturing @ 25° healed with magnetite	
	78.42	CHLORITE-MAGNETITE-SULPHIDE SKARN - upper contact @ 70° irregular - 75% chlorite; 10% Po & Py; 5% magnetite - est. 0.3% WO_3 - coarse scheelite crystals	

SAMPLE No.	FROM ... TO ...	INT. IN FT.	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu	Mo	Zn	
81-A5-5	78.40 - 78.90	0.5		0.230	0.080	420	>250	115	

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ... to ...

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO. 3191U-81-A-5

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E W	M
		1/4	UNIT	B	No.	L	POR	
		U N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		aligned with banding	
	78.80	LT. GREY MASSIVE DOLOMITE - as before, flecked with biotite - random hairline fractures with magnetite, po, py	
	81.30	WEAKLY BANDED LT. GREY DOLOMITE - magnetite filled fractures @ 25° - after 82.40 becomes weakly mottled & slightly more calcareous - magnetite pseudomorphs after tremolite in some fractures - minor f.g. pyrite in larger 20° fractures 83.70 - thin chlorite-pyrrhotite band @ 35°	81.55 - 70° banding
	84.00	LT. GREY W. MOTTLED DOLOMITE - random fracturing with limonite, calcite, chlorite, (magnetite) infilling 84.04 - 84.52 - several chlorite-magnetite skarn seams; calcareous selvages @ 60 - 65° 85.00 - 85.53 - fracturing more abundant with limonite staining *89.44 - chlorite-pyrrhotite-magnetite *91.23 skarn seam @ 35°	
	91.27	CHLORITE-DIOPSIDE-PYRRHOTITE SKARN - diss. po-py, minor cp & mag. - selvages of emerald green serpentine? in fractures with minor calcite infilling - irregular upper & lower contacts @ 40°	
	92.09	LT. GREY MOTTLED DOLOMITE - as before, with fine biotite interlayers 92.60 - 92.75 - Banded Diopside-Pyrrhotite Skarn - finely laminated po, chlorite-diopside core @ 25°, po along borders	92.70 - 25°

SAMPLE No.	FROM .. TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu	Mo	Zn
	(m)	(m)				ppm	ppm	ppm
81-A5-26	83.80 - 84.30	0.5		0.038		86	13	65
81-A5-6	91.25 - 92.25	1.0		0.201		1800	36	300
81-A5-7	92.25 - 93.00	0.75		0.036		100	15	100
81-A5-8	93.00 - 94.35	1.35		0.075		160	16	102
81-A5-27	95.80 - 96.80	1.0		0.144		250	24	95

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC. NO. 3191U-81-A-5

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		1/4	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING

LOGGING

ASSAYING

LOGGED BY

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		*93.27 - 93.62 - Banded Chlorite-Pyrrhotite Skarn @ 25°; minor powellite *94.15 - 94.30 - Pyrrhotite-Biotite-Chlorite Skarn @ 35° 94.24 - minor quartz veining @ 20° to C.A. - fracturing @ 40° & 20° with mag., chlor, calcareous filling; larger fractures have diss. py: 95.86 - 96.00 - 0.3% powellite 96.25 - 96.30 - 1.0% powellite 96.50 - 96.68 - 1.0% powellite - after 98.00 dolomite is less mottled, more massive in texture *98.35 - 98.45 - Banded Chlorite-Pyrite-Magnetite Skarn *98.80 - 98.83 0.3 - 1.0% powellite 104.40 - seam with pseudomorphs of mag after actinolite - later infilling with calcite 105.10 - po seam with d. black chlorite @ 25°, calcareous selvage	95.50 - 75°
	107.36	MASSIVE LT. GREY DOLOMITE - f.g. & lighter grey than above - random limonite stained fractures - flecked with diopside *111.64 - 111.87 - Chlorite-Po-Mag Skarn - mass. po seam in core @ 40° - f.g. magnetite-chlorite outer zone - lt. green diopside rich edge (diopside - talc?) - 0.5% powellite dust *112.53 - 112.56 - Chlorite-Pyrite Skarn - @ 45° to C.A. - 3% powellite *112.71 - 112.90 - Chlorite-(pyrite) Skarn - diss. scheelite, py in blebs & crude bands @ 60° - 1% powellite *116.58 - 116.62 - Chlorite-Pyrite Skarn - as above; @ 50°	109.70 - 50° banding

SAMPLE No.	FROM .... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
	(m)	(m)						
81-A5-28	98.25 - 98.85	0.6		0.043		129	10	45
81-A5-29	111.55 - 113.00	1.45		0.219		270	35	92

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to .....

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME.
PROJECT NO.
HOLE/SEC. NO.. 3191U-81-A-5

POLITICAL UNIT:

SUR SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING.

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ		

LANDMARKS.

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip
		- numerous chlorite-magnetite fractures @ 35 - 40° to C.A.	
	117.81	WHITE SILICIOUS DOLOMITE - lt. cream with faint spotted sparry dolomite - random fractures @ 25 - 45° to C.A. with chlorite, calcareous infilling; larger fractures containing f.g. magnetite & pyrite 119.15 - 119.18 - massive graphite	117.81 - 60°
	119.18	BANDED QUARTZ-PYRRHOTITE SKARN - wrigglite texture; minor pyrite & biotite - 0.3 - 0.6% powellite - f.g. pale greenish-yellow qtz & diopside matrix with pyrrhotite in weak bands; serpentine in diss. grains - after 120.40 pyrite replaces pyrrhotite as dominant sulphide as diss. blebs up to 0.7 cm - after 121.00 skarn displays better banded textures - lower contact @ 35°	
	121.95	LT. GREY MASSIVE DOLOMITE - abundant fractures @ 30 - 50° to C.A. filled with chlorite, talc & minor magnetite 122.62 - 122.70 - magnetite-po-chlorite-(serpentine) skarn - pyrite in aggregates - calcareous selvages; 30° to C.A. - sheared serpentine (blue & green) with slickensiding *123.73 - 123.76 - Banded Po-Chlorite-Magnetite Skarn - minor powellite & scheelite - contacts @ 45°	

SAMPLE No.	FROM ..... - TO ..... (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-9	119.15 - 120.35	1.2		0.128		450	26	65
81-A5-30	120.35 - 121.35	1.0		0.106		270	22	140
81-A5-31	121.35 - 122.35	1.0		0.120		136	17	72
81-A5-32	122.35 - 123.00	0.65		0.008		53	6	118

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL. from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.
HOLE/SEC. NO: 3191U-81-A-5

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE		
		LSD	SEC	TWP	RGE	E/W M
		1/4	UNIT	B	No.	L POR
		1/4	SEC	DEG LAT	MIN	DEG LONG MIN

WORK DONE Name Dates Remarks
DRILLING
LOGGING:
ASSAYING
LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ		

ADDITIONAL INFO.
CLAIM/PERMIT NO.:
LANDMARKS:
OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip @
		*126.43 - 126.75 - Chlorite-Pyrrhotite Skarn - f.g. chlorite matrix with Po - pyrrhotite also in large aggregates with scheelite & d. green actinolite - fluorite in qtz veins - silicious selvages with blebs of magnetite & waxy serpentine	
		*130.30 - 130.85 - Chlorite-Pyrrhotite Skarn - outer 10 cm lt. pink-cream qtz hornfels with rhodonite - inner 15 cm chlorite-po skarn with po rich core; large py cubes - lower 45 cm pale pink qtz hornfels with rhodonite; chlorite; pyrite banding - talc & chlorite along lower contact - most fractures @ 30° to C.A. lined with calcite, po, magnetite, serpentine (blue-green) *133.50 - seam of Magnetite-Chlorite Skarn @ 40° to C.A. with calcareous selvage	130.30 - 45°
		*134.28 - 134.35 - as above; 0.5% powellite *139.29 - 139.60 - Chlorite-Magnetite Skarn - crudely banded - sharp contacts @ 45° - mass. chlorite with magnetite rich borders, diss. blebs of pyrite	
	135.65	LT. GREY MOTTLED DOLOMITE - patches of lt. grey dolomite with large calcite veins (partly dusty) @ 20° to C.A. - minor diss. py; chlorite, magnetite filled fractures - dolomite slightly darker near skarn bands; often large calcite/quartz pods (<2 cm) adjacent skarn bands - qtz. filled fractures @ 15 - 25°, some show offsets. 142.75 - 143.25 - grey massive dolomite	150.00 - 60°

SAMPLE No.	FROM .... TO. .. (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-10	126.40 - 126.80	0.5		0.408		1200	67	258
81-A5-11	130.40 - 130.85	0.45		0.235		1150	73	225
81-A5-12	139.25 - 139.65	0.40		0.102		265	4	255

SYMBOLS AND ABBREVIATIONS:
SHEET INTERVAL: from ..... to ....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO:
HOLE/SEC. NO. 3191U-81-A-5

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No	L	POR	
		N/S	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks
DRILLING
LOGGING:
ASSAYING:
LOGGED BY:

ADDITIONAL INFO.:
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ		

LANDMARKS.
OTHER FEATURES.

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Lithologs)	Structural Angle SYMBOL C.A./Dip @
		*143.25 - 143.63 - Quartz-Pyrrhotite-Chlorite Skarn - qtz-chlorite selvage 10 cm wide - mass. chlorite skarn with diss. po, py - mass. po core with blebs of cp & sph. *143.76 - 143.79 - Chlorite-Magnetite Skarn 145.60 - 145.70 - extensive brecciation healed with dolomite & chlorite *146.00 - 146.09 - Chlorite-Magnetite-Pyrite-Pyrrhotite Skarn @ 45° - 50° to C.A.	
	146.16	LT GREY MASSIVE DOLOMITE - fracturing @ 25 - 40° to C.A. filled with magnetite, po, py, chlorite, & calcite (selvages) *148.53 - 148.75 - Pyrrhotite-Magnetite Skarn - pale pink silicious skarn along upper contact over 8 cm containing diss. pyrite & chlorite - transitional to banded chlorite-po skarn 3 cm wide - massive Po skarn over 4 cm with blebs of cp (along lower edge) - bounded by 6 cm banded chlorite-Po skarn	148.53 - 85° 148.75 - 55°
	148.75	GREY WEAKLY MOTTLED DOLOMITE - as before *154.86 - 155.50 - Chlorite-Pyrrhotite Skarn - upper contact @ 55° - d. brown waxy serpentine with diss. po in 5 cm outer band with diss. po - green diopside in 8 cm wide inner band with diss. po - core 18 cm wide of mass. po with blebs of MoS_2 along upper edge - outer 12 cm band of chlorite; po with diss py - 2 cm selvage of quartz & serpentine	

SAMPLE No.	FROM .... TO. (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-13	143.00 - 143.75	0.75		0.008		4000	26	500
81-A5-14	148.25 - 149.00	0.75		0.137		1100	42	158
81-A5-15	154.75 - 155.65	0.90		0.335	0.173	2050	>250	140

SYMBOLS AND ABBREVIATIONS
SHEET INTERVAL: from.... to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC. NO. 3191U-81-A-5

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	■	No.	L	POR
		1/4	SEC	DEG LAT	MIN	DEG LONG	MIN

WORK DONE Name Dates Remarks
DRILLING
LOGGING
ASSAYING
LOGGED BY

ADDITIONAL INFO.
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS
OTHER FEATURES

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
	156.00	SKARNIFIED MASSIVE BEIGE DOLOMITE - banded & crosscut by plagio-diopside skarn seams, most @ 60°, numerous fractures @ 10 cm intervals healed with po, calcite & chlorite @ 25 - 30° to C.A. *156.90 - 157.00 - Magnetite-Pyrrhotite Skarn - banded wrigglite texture - chlorite, diopside, pyrite, po & minor cp - irregular upper contact - sharp lower contact @ 40° to C.A.	
	162.20	SKARNIFIED WEAKLY MOTTLED DOLOMITE - composed of dolomite, garnet, actinolite & quartz, calc-silicates forming streaky bands patchy texture with diss. blebs of po & minor py - matrix dolomite is cream white - chlorite most concentrated in sulphide rich sections - after 164.50 garnets disappear, also chlorite & actinolite 165.30 - 165.65 - diopside occurs in massive patches with diss. po & minor cp	
	167.00	SKARNIFIED MASSIVE DOLOMITE - chlorite-po skarn seams @ 75° - 85° to C.A. @ 170.85, 170.90, 171.00	167.50 - 60° 170.00 - 57°
	171.40	SKARNIFIED STREAKY DOLOMITE - transitional contact with above @ 60° - dolomite streaked with garnet-actinolite lenses containing diss. po - chlorite-po skarn seams @ 15 - 20° to C.A. @ 171.95 & 172.25; magnetite pseudomorph after actinolite - after 172.00 less streaky, garnet-diopside-po stain in patches *174.17 - 174.30 - Banded Chlorite-Po Skarn	

SAMPLE No.	FROM ... TO ... (m)	INT. IN FT. (m)	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-16	156.85 - 157.85	1.0		0.112		210	30	122
81-A5-17	157.85 - 158.85	1.0		0.032		74	15	75
81-A5-18	158.85 - 159.65	0.8		0.026		152	30	125
81-A5-19	162.00 - 163.00	1.0		0.121		390	30	144
81-A5-20	163.00 - 164.00	1.0		0.008		38	4	70
81-A5-21	164.00 - 165.00	1.0		0.005		200	8	98
81-A5-22	165.00 - 166.00	1.0		0.010		97	6	49

SYMBOLS AND ABBREVIATIONS
SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED - MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO. 3191U-81-A-5

POLITICAL UNIT

SUB SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U/S	SEC	DEG LAT	MIN	DEG.LONG	MIN

WORK DONE Name Dates Remarks

DRILLING

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

LANDMARKS.

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		- wrigglite texture; limey dolomite selvage, crosscut by pyrite seam @ 20°	
	175.30	SKARNIFIED STREAKY DOLOMITE	177.10 - 55°
		- streaked with garnet & patches of actinolite in crude bands - fracturing @ 45° & 70° healed with dolomite 177.80 - 178.39 - extensively fractured	
	178.39	DIOPSIDE-QUARTZ-PYRRHOTITE SKARN	178.40 - 55°
		- cut by chlorite-pyrite rich seams	
	178.67	QUARTZ-RHODONITE CALC-SILICATE	
		- pale cream qtz with patchy pink rhodonite - rhodonite often clustered around chlorite rich seams & fractures	
	179.50	WEAKLY MOTTLED DOLOMITE	
		- extensively fractured, healed with chlorite & serpentine	
	180.64	BANDED CHLORITE-PYRRHOTITE-GARNET SKARN	
		- contains quartz-rhodonite hornfels bands & diss. pyrite (in crude bands) @ 70°	
	181.72	LT. GREY WEAKLY SKARNIFIED DOLOMITE	
		- speckled with chlorite & altered (orange) garnets *185.30 - 185.65 - Chlorite-Po Skarn Band	
	185.95	BEIGE WEAKLY MOTTLED SILICIFIED DOLOMITE	
		- random chlorite filled fractures 186.83 - 187.00 - chlorite shear *187.83 - 187.86 - Chlorite-Po Skarn seam @ 45° to C.A. 187.75 - 188.30 - massive cream-white 188.90 - 189.30 dolomite	
	190.51	MASSIVE WHITE DOLOMITE	
		- minor fracturing with chlorite, py, po	

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-23	177.90 - 178.90	1.0		0.009		250	7	140
81-A5-24	180.60 - 181.65	1.05		0.026		105	37	488

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from.....to .....

MVN062V

SHELL CANADA LIMITED - MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.
HOLE/SEC. NO.: 3191U-81-A-5

POLITICAL UNIT:

SUR SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip @
		infilling; thicker fractures containing more sulphides 196.25 - 196.63 - diss. po in crude bands @ 55° 198.00 - 198.15 - chlorite-po band	
	199.40	WEAKLY MOTTLED LT. GREY DOLOMITE - fracturing, more prevalent @ 35° to C.A. - diss. py, po, calcite throughout - talc & biotite in larger fractures 200.10 - wrigglite texture - banded po, py diopside, chlorite 201.04 - magnetite pseudomorphic after actinolite	
	202.50	BANDED BIOTITIC DOLOMITE - f.g. dolomite with tight bands of biotite & quartz-rhodonite - po, py diss. throughout - irregular qtz filled fractures *204.42 - 204.62 - Chlorite-Diopside Skarn - diss. po, py; biotite at lower contact	203.50 - 60°
	204.62	MASSIVE GREY DOLOMITE - weakly mottled in places - after 205.00 becomes white in color & mod. silicious; minor diss. py, po & biotite in larger fractures	
	205.77	SKARNIFIED DOLOMITE - streaked with skarn patches - chlorite filled fractures, mod. silicified - calcite, py & po also healing fractures	206.00 - 55°
	208.73	CHLORITE-DIOPSIDE SKARN - gradational contact with limey dolomite - lt. green diopside & d. green chlorite containing diss. po throughout - MoS_2 in 0.5 cm blebs near upper contact - pyrrhotite most prevalent in diopside rich	208.73 - 55° contact

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-33	205.74 - 206.74	1.0		0.001			3	
81-A5-34	206.74 - 207.74	1.0		0.003			6	
81-A5-35	207.74 - 208.74	1.0		0.002			3	

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from.....to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.:
HOLE/SEC. NO. 3191U-81-A-5

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	FOR
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks
DRILLING
LOGGING
ASSAYING
LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:
OTHER FEATURES.

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C A./Dip
		sections - diopside > chlorite	
	212.07	QUARTZ-(RHODONITE)-CALC-SILICATE - decreasing amount of diopside-chlorite skarn patches - fractures 25 - 30° healed with biotite, quartz, po, py, chlorite; minor calcite & talc *212.63 - 212.83 - Pyrrhotite-Chlorite-Diopside Skarn - diss. py & minor cp - contacts @ 35° & 45° - chlorite rich band with py, po along lower contact	
	213.18	MASSIVE LT. GREY LIMEY DOLOMITE - becomes f.g. less calcareous after 213.69 - diss. py, po throughout	
	214.14	MOTTLED LT. GREY DOLOMITE - random calcareous patches (remnant fossiliferous) material. - fracturing @ 30° healed with calcite - diss. talc, magnetite & po throughout; minor chlor. - chlorite banding with core of Py & po @ 219.52 m 220.90 - 222.00 - silicious brecciated material banded with limey dolomite 222.00 - 223.42 - limey dolomite - fractures filled with chlorite, calcite, minor magnetite, po 223.42 - 223.45 - chlorite-po band @ 55 - 60° 223.45 - 224.39 - quartz-(rhodonite) hornfels	
	224.39	END OF HOLE	

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A5-36	208.74 - 209.74	1.0		0.118			70	
81-A5-37	209.74 - 210.74	1.0		0.058			18	
81-A5-38	210.74 - 211.74	1.0		0.019			4	
81-A5-39	211.74 - 212.74	1.0		0.065			22	
81-A5-40	212.74 - 214.15	1.0		0.004			6	
81-A5-41	220.50 - 221.50	1.0		0.041			19	
81-A5-42	221.50 - 222.50	1.0		0.006			4	
81-A5-43	222.50 - 223.50	1.0		0.004			6	
81-A5-44	223.50 - 224.34	0.84		<0.001			91	

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3191U
HOLE/SEC NO.: 3191U-81-A-6

POLITICAL UNIT: Drill Section 0+00

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		1/4	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks
DRILLING D. W. Coates July 29-31, 1981
LOGGING:
ASSAYING: Chemex Labs (Vancouver)
LOGGED BY: G. W. Moffat

ADDITIONAL INFO.:
CLAIM/PERMIT NO.: Windy 2

Drill Grid 0+28S 0+87E

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	0+55S	0+68E	1592 m	270°	-70°	130.49m
SURVEY GRID	N	E		AZ.		

LANDMARKS.
OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Lithologi)	Structural Angle SYMBOL C.A./Dip @
	0.0	Talus Rubble	
	5.79	MASSIVE WHITE DOLOMITE (Upper Atan Fm.) 5.79 - 7.40 - broken core - 50% recovery - random talc-chlorite seams @ 20% to C.A.	
	7.35	GREY BRECCIATED MARBLE - upper contact obscured - light grey with slump breccia textures to 7.92 m - fragments healed with sparry calcite - after 8.00 marble extensively fractured but not brecciated; dark grey	
	8.64	DIOPSIDE-PYRRHOTITE-GARNET SKARN - upper contact @ 50°, sharp - dominantly diopside; po in patches & streaky bands - after 10.00 garnet becomes major component forming apple pink intergrown crystals 9.27 - 9.40 - quartz vein @ 40° with crystals of wolframite(?) & patches of diopside & pyrite 9.55 - 10.00 - pyrrhotite-diopside skarn - distinct po streaky banding @ 40° to C.A. 10.00 - 10.63 - Diopside-Garnet Skarn - massive 10.63 - 10.75 - Streaky Diopside-Garnet-Quartz Skarn - sharp contact @ 60° 10.75 - 11.20 - Garnet-Diopside Skarn - massive; minor actinolite in garnet interstices 11.05 - Quartz Calcite Vein @ 40° to C.A. 11.20 - Streaky Diopside-Pyrrhotite-Garnet Skarn - random streaks of actinolite	0.10% WO_3 8.0 m (6.4 TW) 12.50 - 50° banding
	13.25	MASSIVE ALTERED GARNET-DIOPSIDE SKARN - gradational upper contact - pale pinkish green; random interstitial calcite	

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC. OVERY	% WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A6-1	8.64 - 9.64	1.0		0.140		315	7	5250
81-A6-2	9.64 - 10.61	1.0		0.101		156	8	2500
81-A6-3	10.64 - 11.64	1.0		0.038		255	7	3800
81-A6-4	11.64 - 12.64	1.0		0.020		134	2	2150
81-A6-5	12.64 - 13.64	1.0		0.100		470	2	4300
81-A6-6	13.64 - 14.64	1.0		0.033		31	63	300
81-A6-7	14.64 - 15.64	1.0		0.314	0.110	35	>250	370
81-A6-8	15.64 - 16.64	1.0		0.069		52	7	7500

SYMBOLS AND ABBREVIATIONS
SHEET INTERVAL: from . . . to . . .

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO:
HOLE/SEC NO. 3191U-81-A-6

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		N/S	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING

LOGGING.

ASSAYING

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS.

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		- after 14.85 skarn is limey, effervesces weakly with HCl 15.00 - diss. MoS_2 appears - no pref. for any specific calc-silicate mineral 15.30 - 15.80 - Diopside-Garnet Skarn Breccia - pale green, densely packed angular fragments up to 0.75 cm - black-chlorite(?) filling interstices - post brecciation slickensides developed 15.80 - 16.50 - Massive Garnet Skarn - pale pink & green; darker actinolite patch	
	16.50	BRECCIATED GREY MARBLE - mostly white & grey marble with random garnet skarn fragments - healed with pale green talc; calcite fragments spotted with olive green chlorite(?) - upper contact @ 45°	
	16.93	STREAKY GREY MARBLE - f.g. grey, weakly mottled - numerous crosscutting fractures @ 52° displaying right lateral offsets - patches of sparry calcite with diss. po	17.30 - 40° banding
	18.17	MASSIVE DIOPSIDE-GARNET SKARN - as before; pale pink and green - very little actinolite 18.17 - 18.80 - diss. MoS_2 18.65 - 19.00 - parallel calcite-quartz veinlets rimmed in chlorite & pyrite 19.25 - 19.66 - Pegmatitic Quartz-Calcite vein healed with chlorite; 5° to C.A. - diss. blebs po & MoS_2 - calcite frags up to 0.75 cm 21.65 - 22.30 - diss. MoS_2 22.15 - 22.40 - Quartz vein @ 10° to C.A. with calcite & talc selvage 22.45 - MoS_2 veinlet crosscutting skarn but truncated by qtz vein	0.18% WO_3 / 3.0 m (2.4 TW) 20.80 - 50° banding

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A6-9	18.17 - 19.17	1.0		0.330	0.197	64	>250	160
81-A6-10	19.17 - 20.17	1.0		0.058		38	23	48
81-A6-11	20.17 - 21.17	1.0		0.145		35	195	65
81-A6-12	21.17 - 22.17	1.0		0.020		19	64	48
81-A6-13	22.17 - 23.17	1.0		0.008		32	155	74
81-A6-14	23.17 - 24.17	1.0		0.008		13	37	35
81-A6-15	24.17 - 25.17	1.0		0.034		23	9	59

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from to

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO. 3191U-81-A-6

POLITICAL UNIT

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No	L	POR
		U/U	SEC	DEG LAT	MIN	DEG LONG	MIN

ADDITIONAL INFO.

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
	22.17	GARNET-DIOPSIDE SKARN WITH QUARTZ HORNFELS BANDS - garnet has permeated fractures cross-cutting hornfels	
	25.05	BANDED BEIGE QUARTZ HORNFELS - mottled banding, f.g. beige - fracturing @ 45° displaying right lateral offsets 25.50 - 25.75 - broken core, heavily chloritized	
	25.50	MOTTLED MARBLE & BIOTITE-CHLORITE HORNFELS - mottled lt. grey marble with patches of chlorite & diss. po; irregular intervals of biotite-chlorite hornfels - heavily chloritized upper contact - lower contact @ 35°	
	27.60	MASSIVE WHITE DOLOMITE 33.10 - 34.15 - diss. pyrite & pyritic fractures @ 65° to C.A.	
	34.75	WEAKLY MOTTLED GREY DOLOMITE - f.g. to m.g., light grey; gradational upper & lower contacts	
	36.45	MASSIVE WHITE DOLOMITE - as before - finely diss. pyrite dusting & fracture coatings	
	39.05	MOTTLED GREY DOLOMITE - white mottled banding - after 39.70 weak zebra banding	40.05 - 40° banding
	40.45	MASSIVE WHITE DOLOMITE - sharp upper contact @ 90° - lower contact diffuse @ 30°	
	40.65	MOTTLED TO BANDED GREY DOLOMITE - after 41.00 becomes well banded	
	41.60	MOTTLED GREY DOLOMITE	41.45 - 60° banding

SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.
HOLE/SEC NO.: 3191U-81-A-6

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE		
		LSD	SEC	TWP	RGE	E/W M
		1/4 UNIT		No.	L	FOR
		1/4	SEC	DEG LAT	MIN	DEG LONG MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C A /Dip ●
	43.75	MASSIVE WHITE DOLOMITE	
		43.75 - 45.60 - finely diss. pyrite dusting some larger crystals along fractures	46.50 - 38° banding
	47.00	MASSIVE GREY DOLOMITE	
		- weak mottling	
		47.40 - 48.75 - finely diss. po dusting and fracture coatings	
		51.71 - Magnetite-Chlorite seam @ 90° to C.A.	
		51.85 - Hematite-Magnetite seam with pyrite core @ 60° to C.A.	
	52.68	MOTTLED GREY DOLOMITE	
	56.40	MASSIVE WHITE DOLOMITE	
		- upper contact diffuse @ 45°	
		56.40 - 57.12 - irregular fracturing, weakly mottled	
		56.40 - 59.16 - diss. dusting of py & po concentrating in darker dolomite bands	
		61.00 - 62.10 - gradual increase in po to 3%	
		- fracturing in section healed with chlorite	
	62.90	MOTTLED GREY DOLOMITE	
		- grey to dark grey, weakly banded	64.40 - 40°
		- sharp upper contact @ 20°	
	65.12	WEAKLY BANDED GREY MARBLE	
		- becomes noticeably coarser grained with depth	
		65.28 - 65.32 - Massive White Sucrosic	
		65.54 - 65.72 Marble bands @ 55°	
		65.84 - 66.25	
	66.25	SUCROSIC GREY BANDED MARBLE	
		- distinct black banding up to 3 mm	68.00 - 60°
		70.28 - 70.56 - mottled	
		72.38 - small fault @ 55°	
	72.45	WEAKLY MOTTLED GREY MARBLE	
		72.45 - 72.90 - brecciation textures, disrupted banding with diss. py	

SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from to

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO: 3191U-81-A-6

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE		
		LSD	SEC	TWP	RGE	E/W M
		1/4	UNIT	B	No.	L POR
		U	SEC	DEG LAT	MIN	DEG LONG MIN

WORK DONE Name Dates Remarks

DRILLING

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
	72.90	WEAKLY MOTTLED GREY DOLOMITE	
		- gradational contact with marble	72.90 - 90°
		73.13 - 73.33 - zebra banding	
		73.33 - 73.85 - numerous hairline fractures @ 45° to C.A. displaying left lateral offsets	
		75.15 - 75.28 - Massive Sucrosic Marble	
		- upper contact irregular	
		- lower contact @ 60°	
		75.62 - 75.82 - Massive White Dolomite	75.62 - 45°
	75.82	MASSIVE TO ZEBRA GREY DOLOMITE	
		- gradational contact	77.90 - 45°
	78.55	MASSIVE GREY DOLOMITE	
	79.00	MASSIVE WHITE DOLOMITE	
		- diffuse upper contact @ 60°	
		- fine po dusting, py along fractures	
	80.22	WEAKLY BANDED DARK GREY DOLOMITE	
		- white lensy bands	80.47 - 75° banding
	80.60	DARK GREY BANDED MARBLE	
		- distinct banding; relatively unfractured	
		80.73 - 80.84 - Massive White Sucrosic	82.00 - 48° banding
		81.00 - 81.09 Marble - 40 - 50° to C.A.	
		81.60 - 81.74	
		84.67 - 84.80 - Massive White Sucrosic Marble @ 60° to C.A.	
		- after 85.00 banding less distinct, marble more sucrosic	85.00 - 45° banding
	88.00	WEAKLY BANDED GREY MARBLE	
		- gradational upper contact	
		92.50 - 92.71 - White Sucrosic Marble @ 45° to C.A.	92.50 - 45° contact
		93.03 - 93.30 - White Sucrosic Marble @ 35° to C.A.	
		- red garnet skarn band 1 cm wide along marble contact grading into pale green diopside skarn next to andesite dyke	

SAMPLE No.	FROM ... TO ...	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC. NO. 3191U-81-A-6

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		N/S	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
	93.32	ANDESITE DYKE - dark green-grey, f.g. - after 95.75 becomes slightly coarser grained with diss. po throughout; po concentrated along fractures @ 45° & 70° - after 96.65 fractures silicified, enveloped by 1 - 2 cm pale green selvage often containing a core of po & py; fracturing 5 - 15° & 50 - 80° 97.64 - chlorite filled fracture @ 35° with selvage of quartz & diss. po & py 98.08 - 98.11 - silicious band @ 15° with grey quartz & blebs of po in core 99.30 - 99.60 - Diopside-Garnet Skarn 100.90 - 101.05 - Diopside Skarn band - upper contact @ 55° - lower contact @ 70°	
	101.65	MASSIVE GARNET SKARN - pale pink olive; crystalline calcite filling crystal interstices 107.08 - 107.28 - interstitial calcite rimmed in selvage of f.g. magnetite 107.28 - 107.73 - diss. black chlorite (after actinolite?) 5-8% - lower contact @ 40°; 130° angle between skarn contact and marble banding	105.25 - 50° banding 106.74 - 35° contact 0.05% WO_3 3.2 m (2.5 TW)
	107.73	WEAKLY BANDED SUCROSIC MARBLE - as before 109.00 - 109.52 - sheared broken core containing diss. py	108.00 - 25° banding
	110.83	MASSIVE GARNET SKARN - upper contact composed of chlorite & diss. pyrite @ 60° 110.90 - 111.00 - Sucrosic Marble 111.83 - 111.90 - garnet interstices 10% pyrite & 10% magnetite by vol. 112.00 - 112.20 - random calcite & quartz filling interstices with	

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A6-16	101.65 - 102.65	1.0		0.028		17	250	21
81-A6-17	102.65 - 103.65	1.0		0.058		27	33	33
81-A6-18	103.65 - 104.85	1.20		0.068		14	62	38
81-A6-19	106.75 - 107.75	1.0		0.124		40	21	800
81-A6-20	110.83 - 111.83	1.0		0.021		75	21	530
81-A6-21	111.83 - 112.65	0.82		0.001		20	11	60
81-A6-22	112.65 - 114.00	1.35		0.002		167	6	62

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL from... to...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.
HOLE/SEC. NO. 3191U-81-A-6

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No	L	POR	
		U	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		diss. MoS_2 - calcite filled fractures @ 20°	
	112.65	MASSIVE CHLORITE SKARN - d. green, talc along some fractures - upper & lower contacts obscured	
	112.75	QUARTZ HORNFELS & PYRRHOTITE SKARN - pale pinkish cream, pale green patches of diopside with blebs of po throughout - chlorite along fractures @ 5° to C.A. 113.20 - 113.43 - Pyrrhotite Band (60% by vol) with relect patches of marble - upper contact @ 60° sharp - lower contact @ 35° irregular 113.43 - 113.52 - White Marble 113.52 - 114.00 - Chlorite-Calcite Skarn - extensive fracturing healed with calcite @ 30° to C.A.	
	114.00	WEAKLY BANDED MARBLE - gradational contact with dolomite - diss. magnetite	
	114.16	WEAKLY BANDED DOLOMITE - talc (blue green) developed along sheared bedding planes - finely diss. magnetite throughout	
	114.85	MASSIVE WHITE TO GREY DOLOMITE - chlorite along shear planes	
	115.57	MOTTLED GREY DOLOMITE - green chlorite along fracture planes @ 35° & 45° 117.40 - 118.00 - pyrite coated fractures @ 15° - random diss. blebs po 121.50 - 122.25 - extensively fractured 0° to 38° to C.A. healed with chlorite & calcite; minor po	117.00 - 40°
	122.25	MASSIVE GARNET-DIOPSIDE SKARN - upper contact @ 30° - garnets become finer grained & massive with	

SAMPLE No.	FROM ... TO. (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A6-23	122.25 - 123.25	1.0		0.015		32	97	31

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED — MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC. NO. 3191U-81-A-6

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No	L	POR	
		N/S	SEC	DEG LAT	MIN	DEG.LONG	MIN	

WORK DONE Name Dates Remarks
DRILLING:
LOGGING:
ASSAYING:
LOGGED BY:

ADDITIONAL INFO.:
CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:
OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ⊕
		depth; density of hairline fracturing also increases with depth, healed with calcite to 126.49	0.04% WO_3 4.25 m
	126.49	QUARTZ HORNFELS (Lower Atan Fm.)	
		- pale green, massive f.g.	
		- biotite filling fractures @ 50° often with diss. py	
		127.28 - 130.75 - biotite rich sections more prominant; purplish brown; 2% diss. pyrite	
		- no pyrite occurs in quartz hornfels bands	
	130.74	END OF HOLE	

SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu	Mo	Zn
81-A6-24	123.25 - 124.25	1.0		0.015		13	140	42
81-A6-25	124.25 - 125.25	1.0		0.038		6	47	34
81-A6-26	125.25 - 126.50	1.25		0.072		4	76	59

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3191U
HOLE/SEC. NO.: 3191U-81-A-7

POLITICAL UNIT: Drill Section 2+00N

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U	SEC	DEG LAT	MIN	DEG LONG	MIN

WORK DONE — Name / Dates / Remarks

DRILLING: D. W. Coates — Aug. 4-6, 1981

LOGGING:

ASSAYING: Chemex Labs (Vancouver)

LOGGED BY: G. W. Moffat

ADDITIONAL INFO.:

CLAIM/PERMIT NO.: Windy 2

Drill Grid 2+01N 0+68E

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	1+68N	1+52E	1582 m	270°	-85°	129.85m
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Lithologs)	Structural Angle SYMBOL C.A./Dip ●
	0.0	Talus Rubble	
	3.66	BEIGE QUARTZ HORNFELS (Kechika Fm.)	
	5.00	LT. GREY SUCROSIC MARBLE	
		- m.g. massive; lower contact gradational	7.17 - 50°
		- poor recovery - 44%	banding
	7.38	BANDED GREY GRAPHITIC MARBLE	
		- grey with fine wavy graphitic bands occurring over random intervals	7.40 - 40° banding
		- lt. grey sucrosic marble sections gradational with banded sections	9.25 - 45° banding
		- limonite filled fractures with minor py & po; fractures @ 10 - 20°	
		12.50 - Sparry dolomite seam @ 20°	
		12.80 - small fracture offset (right-lateral) @ 30° to C.A.	14.10 - 10°
		14.20 - 14.41 - Grey Sucrosic Marble	banding
	16.00	LT. GREY MOTTLED DOLOMITE	
		- limonite filled fractures, no specific orientation	
		- upper contact @ 15° to C.A.	16.00 - 15°
		- lower contact irregular @ 40° to C.A.	contact
	17.10	GREY WEAKLY BANDED SUCROSIC MARBLE	
		- as before	17.60 - 25°
	18.30	WHITE MASSIVE TO WEAKLY MOTTLED DOLOMITE	
		- brownish white, extensively fractured	
		- d. brown biotite-calcite banding, biotite forms 2 mm selvage with calcite & fine biotite in core	18.75 - 45° banding
		- fracturing @ 50° to C.A. - biotite & limonite	
		- after 19.90 dolomite not as extensively fractured or altered	
	19.90	MOTTLED GREY DOLOMITE	
		- random sections of weak zebra banding (20.94 - 21.00)	21.00 - 45° contact
		21.00 - 22.05 - Massive White Dolomite	21.05 - 25°
		24.80 - 25.15 - Massive Limonitic Dolomite	contact

SAMPLE No.	FROM / TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ... to ...

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		1/4	SEC	DEG LAT	MIN	DEG.LONG		MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		- fractures @ 20° to C.A. - upper contact @ 35° - lower contact diffuse 24.80 - 27.25 - densely fractured with limonite filling; 20° fractures offset 50° set (right-lateral) 25.25 - 25.50 - Weak Zebra banding 26.45 - 27.25 - Massive Limonitic Dolomite - as before - diffuse contacts	24.80 - 35° contact
	30.30	MASSIVE WHITE DOLOMITE - mottled grey dolomite sections - similar to previous section - limonite filled fractures @ 60° - calcite & tremolite(?) fractures @ 20° 36.35 - 36.85 - Mottled Grey Dolomite - as before	
	37.35	MASSIVE TO WEAKLY ZEBRA BANDED GREY DOLOMITE - gradational, diffuse upper contact - zebra banding @ 10° to C.A. 39.10 - 39.65 - Breccia Zone - sparry dolomite containing calcite lined vugs & chloritic fragments @ 0 - 10° to C.A.	
	39.65	MASSIVE GREY SUCROSIC MARBLE - upper contact obscured in breccia zone - chlorite-talc filled fractures	40.00 - 60° banding
	40.09	MOTTLED LT. GREY DOLOMITE - talc filled fractures @ 45° 41.13 - 41.28 - White Sucrosic Marble - lower contact @ 45°	41.28 - 45° contact
	41.28	MASSIVE TO WEAKLY BANDED GREY DOLOMITE - very fine grained - zebra banding developed in places 48.85 - 49.80 - Grey Sucrosic Marble - upper contact @ 80° - lower contact @ 23° - qq filled fractures @ 20°	42.25 - 25° banding 43.28 - 5° banding 45.00 - 0° banding

SAMPLE No.	FROM ..... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from..... to .....

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME.
PROJECT NO.:
HOLE/SEC. NO.

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	8	No.	L	POR	
		N/S	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING.

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		52.75 - 54.93 - Mottled Grey Dolomite - weak zebra banding in places - fracturing @ 45° with calcite & chlorite filling 54.93 - 55.37 - Massive White Dolomite - upper contact @ 20°	
	56.80	MOTTLED GREY MARBLE - similar in appearance to mottled dolomite - gradational with depth into banded marble - crosscutting sparry marble veinlets @ 70°	
	57.25	BANDED GREY MARBLE - finely banded	58.00 - 25° banding
	59.40	MASSIVE GARNET-QUARTZ SKARN - olive brown, massive - 10% quartz & 5% chlorite(?) as interstitial filling - garnets display weak zoning textures 60.10 - 60.40 - diss. po & py occur with vitric quartz & diopside in interstitial spaces 62.00 - 64.20 - diss. po - after 64.80 garnets become deeper red; quartz & diopside increase in volume & grain size; section is "granite textured" - quartz veinlets @ 60° - after 69.40 diopside & chlorite? in streaky bands @ 70° - after 70.75 d. green chlorite? disappears, only diopside present 72.60 - 72.85 - Diopside-Garnet-Quartz Skarn 60% diopside, 20% garnet, 20% quartz 74.13 - 74.34 - Grey Quartz Hornfels @ 70° to C.A. - garnets appear more red in color in diopside rich sections of skarn 77.58 - 77.95 - Massive Diopside(?) - m.g. with interstitial calcite & purple	58.25 - 45° banding 0.58% WO_3 6.0 m (4.5 TW)

SAMPLE No.	FROM ... TO. (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	%MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A7-1	59.40 - 60.40	1.0		0.157		114	175	35
81-A7-2	60.40 - 61.40	1.0		0.183		54	150	31
81-A7-3	61.40 - 62.40	1.0		0.086		64	58	30
81-A7-4	62.40 - 63.40	1.0		0.084		69	46	32
81-A7-5	63.40 - 64.40	1.0		0.159		70	76	28
81-A7-6	64.40 - 65.40	1.0		0.352		40	37	30
81-A7-7	65.40 - 66.40	1.0		0.453	0.072	75	>250	32
81-A7-8	66.40 - 67.40	1.0		0.495		47	145	52
81-A7-9	67.40 - 68.40	1.0		0.950		34	185	50
81-A7-10	68.40 - 69.40	1.0		0.521		27	110	28
81-A7-11	69.40 - 70.40	1.0		0.488		11	75	26
81-A7-12	70.40 - 71.40	1.0		0.589		5	170	32
81-A7-13	71.40 - 72.40	1.0		0.166		8	200	33

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ..... to .....

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	POR	
		U/S	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ⊕
		flubrite	
	81.33	PALE GREEN QUARTZ HORNFELS	
		- cream white to pale green in color	
		- upper contact obscured	81.45 - 50°
		- composed of quartz & diopside	banding
		- extensive fracturing @ 50 - 55° filled with pyrite	0.59% WO_3
	81.75	QUARTZ-BIOTITE HORNFELS	0.12% MoS_2
		- brownish cream, very silicious	6.0 m
		- random diopside patches rimmed in biotite	(4.5 TW)
		- extensive fracturing @ 15° to C.A.; fractures filled with calcite & quartz	
		81.75 - 83.60 - MoS_2 appears in quartz veinlets	
	84.75	SPECKLED BIOTITE-QUARTZ-CORDIERITE HORNFELS	
		- cordierite porphyroblasts to 0.5 cm	
		- finely speckled 1 mm biotite throughout	
		- quartz veinlets with MoS_2 @ 20 - 30° to C.A.	
		86.10 - fracture healed with po & chlorite	
		87.28 - 87.34 - Diopside-Biotite patch with 40° seam chlorite & po	
		87.49 -87.52 - Silicified band @ 60°	
	90.18	QUARTZ-BIOTITE HORNFELS WITH CHLORITE-BIOTITE PATCHES	
		- no cordierite or speckled biotite	
		- d. brown	
		- silicious lt. green patches with diss. chlorite & po (10% vol.)	
		- calcite filled fractures @ 0° to C.A.	92.50 - 55°
		- po filled fractures @ 20° to C.A.	
		91.00 - 92.00 - 70% recovery, broken core	
		- after 92.00 - cordierite reappears in bleached bands	
		93.07 - 93.24 - Massive Calcite Seam	93.70 - 47°
		- lower contact @ 45°	
		- sheared with talc	
		- after 93.24 speckled f.g. biotite reappears	

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A7-14	72.40 - 73.40	1.0		0.349	0.150	13	>250	35
81-A7-15	73.40 - 74.40	1.0		0.155	0.190	5	>250	34
81-A7-16	74.40 - 75.40	1.0		0.812	0.180	39	>250	63
81-A7-17	75.40 - 76.40	1.0		1.090	0.082	44	>250	55
81-A7-18	76.40 - 77.40	1.0		0.624	0.107	33	>250	58
81-A7-19	77.40 - 78.40	1.0		0.515		26	75	255
81-A7-20	78.40 - 79.40	1.0		0.043		10	13	36
81-A7-21	79.40 - 80.40	1.0		0.360		27	53	38
81-A7-22	80.40 - 81.40	1.0		0.292		15	44	37
81-A7-23	81.40 - 84.40	3.0		0.020		132	74	27
81-A7-24	84.40 - 87.40	3.0		<.001		50	55	28
81-A7-25	87.40 - 90.40	3.0		<.001		38	13	36
81-A7-26	90.40 - 93.40	3.0		0.002		74	19	25
81-A7-27	93.40 - 96.40	3.0		0.002		25	33	37
81-A7-28	96.40 - 99.40	3.0		<.001		22	145	38

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL from ... to ...

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG.LONG		MIN

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		94.55 - 94.80 - Quartz Veinlet with MoS_2 @ 5° to C.A.	94.80 - 48°
		95.20 - 95.34 - Quartz Veinlet @ 20°	
		- quartz veinlets with MoS_2 @	
		96.20 - 20° to C.A. - milky white & grey quartz	
		96.45 - 10° to C.A. - Q.V. fractured with seam of MoS_2 in core	
		97.40 - @ 65° with MoS_2	97.00 - 45°
		97.60 - @ 20° with MoS_2	
		97.70 - @ 10° with MoS_2	
		- after 99.15 - silicious patches of pale green chlorite, rimmed in biotite & containing diss. po & py	98.50 - 45°
		104.60 - 105.00 - Massive Grey Speckled Biotite Hornfels	101.50 - 46°
		- as before	
		- lower contact @ 50°	
		107.75 - Quartz Veinlet @ 35° with MoS_2 1 cm wide	
		107.97 - Quartz Veinlet (1 cm) @ 25° with MoS_2 - grey quartz	
		- crosscut by milky white veinlet @ 0° to C.A.	
		108.55 - Quartz veinlet @ 25° with MoS_2	
		- transitional after 108.00 into Biotite-Cordierite hornfels	109.00 - 50°
	110.00	MASSIVE QUARTZ-CHLORITE-BIOTITE SKARN	
		- diss. pyrite	
		- approx. 70% quartz	
	111.50	QUARTZ-BIOTITE-CORDIERITE HORNFELS	
		- as before	
		112.00 - 112.40 - Quartz-Chlorite-Biotite vein @ 0°, diss. mag. blebs	
		- after 113.00 quartz veinlets @ 15°, 60°, & 80°	
		115.60 - 115.70 - Fault Gouge	
		115.70 - 115.90 - Quartz Hornfels	
		(115.60 - 116.50 - broken core - 70% recovery)	

SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED – MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	FOR	
		U/U	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		124.35 - 125.40 - Quartz Veinlet @ 0° with MoS_2 & pyrite	123.50 - 53° 129.70 - 70° banding
	129.85	END OF HOLE	

SAMPLE No.	FROM ..... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PAGE 1 OF 6
PROJECT NAME McDame
PROJECT NO.: 3191U
HOLE/SEC. NO.: 3191U-81-A-8

POLITICAL UNIT: Drill Section 1+00N

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates Aug. 7-8, 1981

LOGGING:

ASSAYING: Chemex Labs (Vancouver)

LOGGED BY: G. W. Moffat

ADDITIONAL INFO.:

CLAIM/PERMIT NO.: Windy 2

Drill Grid 1+19N 0+60E

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	0+92N	1+00E	1578 m	270°	-85°	117.96
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Lithologs)	Structural Angle SYMBOL C.A./Dip ⊕
	0.0	Talus Cover	
	4.27	MOTTLED LT. GREY DOLOMITE (Upper Atan Fm.) - hairline fracturing @ 65° to C.A. - limonite filled fractures @ 30 - 40° to C.A. & 5° to C.A.; minor calcite	
	9.50	MASSIVE WHITE DOLOMITE - gradational upper contact 9.75 - 10.30 - Mottled Dolomite 10.97 - 11.28 - Weakly banded lt. grey dolomite 12.04 - 12.50 - Mottled lt. grey dolomite - limonite filled fractures @ 35° - lower contact @ 10° to C.A.	11.00 - 25° banding
	14.77	WEAKLY BANDED TO ZEBRA TEXTURED DOLOMITE - vugs in white bands often filled with calcite - ropy black carbonaceous banding	15.80 - 38° banding
	17.00	MASSIVE WHITE DOLOMITE - f.g., weakly mottled to 18.42 - after 20.40 diopside appears with calcite as fracture filling @ 25 - 35° to C.A. 21.40 - quartz veinlet @ 5° with open spaced crystals 22.37 - 22.46 - sucrosic marble @ 35° to C.A.	22.37 - 35° contact
	22.86	FOLIATED ANDESITE DYKE - d. brown, massive with weakly foliated biotite @ 55° to C.A. - fractures bleached lt. green 24.41 - 24.56 - massive garnet - salmon pink; upper contact @ 62°; diffuse lower contact - calcite seams 25.70 - chlorite filled fracture @ 45°	21.41 - 62°
	27.43	MASSIVE TO WEAKLY BANDED SUCROSIC MARBLE	

SAMPLE No.	FROM ..... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from..... to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		1/4	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		- upper contact obscured in broken core - lt. grey with wavy graphitic styolites 29.47 - 31.00 banding due to graphitic styolites increases - fracturing @ 10° to C.A.; fracturing increases in density toward dolomite contact, limonite filled	28.00 - 30° 30.75 - 65° 42.00 - 25° 44.00 - 40°
	48.09	MOTTLED LT. GREY DOLOMITE - U. contact @ 60° sharp	48.09 - 60° contact
	49.60	WAVY BANDED TO MOTTLED LT. GREY MARBLE - fine black graphitic banding, grading into thicker ropy, diffuse bands with depth.	52.00 - 35°
	52.30	MOTTLED LT. GREY DOLOMITE - similar texture to mottled marble above 53.34 - 53.92 - Massive white marble - gradational contacts 55.90 - fracture @ 5° displaying offset (sense not known) - after 55.70 weak zebra banding is developed over sections	53.00 - 50°
	58.85	MASSIVE WHITE TO LT. GREY DOLOMITE - gradational upper contact @ 45°	58.85 - 45°
	59.80	MOTTLED LT. GREY DOLOMITE - as before 64.30 - chlorite filled fracture @ 0° 65.15 - fracture @ 30° with calcite selvage, diopside core containing diss. magnetite	65.00 - 55° 66.30 - 70°
	66.70	MASSIVE WHITE DOLOMITE - as before 67.17 - 67.84 - White Sucrosic Marble - U. contact @ 30° - L. contact @ 40° - fracturing @ 20° with limonite & pyrite cubes	

SAMPLE No.	FROM ..... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from..... to.....

MVN082V

SHELL CANADA LIMITED - MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	FOR	
		U/L	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		68.00 - 69.00 - stained brown from limonite 69.76 - seam of chlorite, diopside, calcite & po @ 55°; also forms larger patches; other fractures contain diss. mag. - after 69.90 diss. py throughout core & along fractures 73.15 - fracturing @ 46° healed with banded chlorite (d. green), diopside (olive green) & po - after 74.40 dolomite is lt. grey with mottled sections	68.20 - 55° 75.25 - 45°
	77.10	MOTTLED D. GREY DOLOMITE - d. grey with random white mottled bands; U. contact @ 20° 75.62 - banded seam of po & chlorite @ 30°	78.45 - 40°
	79.80	MASSIVE WHITE DOLOMITE - U. contact @ 65° - diss. po throughout, concentrated along fractures (esp. @ 5°) 82.15 - 82.30 - Mottled dolomite @ 25° to C.A. - after 80.00 fracturing increases towards skarn contact; fracturing @ 5° & 55° healed with diopside & po; minor garnet along 0° fractures	
	85.00	DIOPSIDE-QUARTZ-GARNET SKARN - U. contact @ 45° with chlorite-po seam - d. green blue diopside with patches of olive garnet, mostly concentrated near lower contact - patches & interstitial filling of vitric quartz & po - lower contact rimmed in 1 cm band of beige quartz hornfels which has penetrated fractures into dolomite; contact @ 40° 85.24 - 85.68 - Massive White Dolomite - chlorite & talc along fractures - lower contact @ 40° sharp	

SAMPLE No.	FROM ..... TO. ..... (m)	INT. IN FT. (m)	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A8-1	85.00 - 86.00	1.0		0.053		44	14	32
81-A8-2	86.00 - 87.00	1.0		0.048		20	21	52
81-A8-3	87.00 - 88.00	1.0		0.112		22	33	40
81-A8-4	88.00 - 89.00	1.0		0.009		32	47	40
81-A8-5	89.00 - 90.00	1.0		0.020		36	32	45
81-A8-6	90.00 - 91.00	1.0		0.092		26	31	46

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from..... to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ⊕
		85.68 - 85.71 - Beige Quartz Hornfels - as before - chlorite-po seam along upper contact & permeating fractures	
	85.71	MASSIVE GARNET SKARN - f.g., olive colored, massive garnet - no distinct crystals; effervesces weakly with HCl - fracturing @ 10° to C.A. healed with chlorite & calcite - random patches of black chlorite (3%); calcite & quartz (mixed) filling interstices 87.00 - 87.62 - garnets are salmon pink color - fractures @ 60° to C.A. - patches of d. green chlorite - lower contact @ 45°, irregular, diffuse 87.62 - Massive White Dolomite containing calc-silicate patches - upper contact rimmed with d. green chlorite? & minor calcite & po - mottled appearance - diopside & garnet patches; crude banding @ 60 - 75° to C.A. 88.35 - 88.50 - <0.1% WO_3	
	88.50	MASSIVE GARNET-QUARTZ SKARN - f.g., salmon pink; weakly effervesces with HCl; very silicious up to 89.20 - minor interstitial quartz & diss. chlorite becoming more prevalent between 89.30 - 89.80, also diss. py 89.80 - 91.85 - Garnet-Chlorite-Calcite Skarn - m.g., more interstitial chlorite (10%), calcite (10%) - diss. masses & blebs of magnetite (3%) & pyrite (3%) 89.80 - 90.00 - 0.1% WO_3 - after 90.75 garnets become redder in color, skarn has a "granitic texture"	

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A8-7	91.00 - 92.00	1.0		0.055		26	80	44
81-A8-8	92.00 - 93.00	1.0		0.090		28	69	38
81-A8-9	93.00 - 94.00	1.0		0.039		10	190	38
81-A8-10	94.00 - 95.00	1.0		<0.001		20	47	42
81-A8-11	95.00 - 96.00	1.0		0.001		16	140	42
81-A8-12	96.00 - 97.00	1.0		0.011		18	140	38
81-A8-13	97.00 - 98.00	1.0		0.024	0.123	14	>250	30
81-A8-14	98.00 - 99.00	1.0		0.002		22	37	65

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ... to ...

MVN082V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC		TWP	RGE	E/W M
		1/4	UNIT		No	L	POR
		U/L	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING

LOGGING:

ASSAYING:

LOGGED BY.

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		90.00 - 91.70 - 0.45% WO_3	
		91.85 - 93.25 - Massive F.G. Salmon Garnet Skarn	
		- as before, gradational upper contact	
		- more silicious than m.g. variety	
		- chlorite-calcite patches & interstitial quartz	
		93.25 - 93.45 - Lt. Grey Quartz Hornfels	
		- upper contact @ 45°; diffuse lower lower contact	
		- patchy garnet masses in interior of section	
		93.45 - 93.57 - f.g. diopside & massive garnet	
		94.10 - Massive M.G. Garnet Skarn	
		- as before, gradational contact	
		- quartz veinlets:	
		95.40 - @ 10°	
		95.80 @ 40°	
		96.20 @ 0°	
		- 96.50 - 97.33 - Massive F.G. Quartz Garnet Skarn	
		- as before, gradational contact	
		97.33 - 99.40 - Massive M.G. Garnet Skarn	98.00 - 53°
		- as before; numerous crusscutting quartz veins @ 55° to C.A.	
		- lower contact @ 50°	
	99.40	QUARTZ-BIOTITE HORNFELS (Lower Atan Fm.)	
		- d. brown with creamy silicious bands	
		99.40 - 99.55 - Quartz Hornfels	100.00 - 55°
		- after 99.55 hornfels in banded with d. green irregular quartz-diopside-pyrite bands	
		100.65 - 100.75 - limey gouge, extensively altered	
		- after 100.58 quartz veinlets contain MoS_2	
		101.19 - 106.20 - Speckled Biotite Hornfels	105.00 - 55°
		- f.g. biotite speckled throughout	
		- random large cordierite porphyroblasts	
		- weakly foliated @ 55°	

SAMPLE No.	FROM TO.	INT. IN FT.	REC. OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from to

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT.....

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E W	M
		1/4	UNIT	B	No.	L	POR	
		1/4	SEC	DEG LAT	MIN	DEG.LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
	106.20	QUARTZ-BIOTITE-CORDIERITE HORNFELS - speckled biotite disappears; qtz hornfels bands are more prevalent	
	107.32	BANDED BIOTITE HORNFELS WITH DIOPSIDE-QUARTZ BANDS - bands irregular, but parallel bedding, composed of thin silicious selvage & minor biotite selvage, surrounding core of massive pale green diopside & diss. po & py - seams of pyrite crosscut skarn bands	
	110.96	BIOTITE-CORDIERITE HORNFELS - as before, d. brown	
	117.96	END OF HOLE	

SAMPLE No.	FROM ..... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from.....to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME: McDame
PROJECT NO.: 3191U
HOLE/SEC. NO: 3191U-81-A-9A

POLITICAL UNIT: Drill Section 1+60N

SUR SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR
		U/W	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.: Windy 2

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates Aug. 9 - 13, 1981

LOGGING:

ASSAYING: Chemex Labs (Vancouver)

LOGGED BY: M. Balog
G. Moffat

Drill Grid 1+62N 0+99E

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	1+25N	1+50E	1601 m	270°	-85°	148.44m
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ⊕
	0.0	Overburden	
	4.57	GREY QUARTZ-BIOTITE HORNFELS (Kechika Fm.)	
	5.49	MASSIVE BEIGE DOLOMITE (Upper Atan Fm.) - limonite staining in patches and along fractures, also diss. pyrite 5.49 - 8.19 ✕ 60% recovery - fracturing @ 35 - 45° to C.A., random sections show extensive fracturing @ 60 - 70° healed with calcite & biotite(?) 24.00 - pyrite seams @ 10° 25.70 - after 26.50 dolomite less discolored by limonite 29.37 - chlorite & talc first appear as fracture infilling	
	30.88	MASSIVE WHITE DOLOMITE - minor fracturing @ 45° to C.A. 33.95 - 34.30 - massive white marble - irregular upper & lower contacts - earthy biotite-limonite fracture filling	
	36.00	MOTTLED GREY DOLOMITE - weak banding @ 30 - 40° to C.A. - fracturing @ 20 - 30° to C.A. - calcite core infilling with limonitic outer selvage	36.00 - 35° banding
	41.20	WEAKLY BANDED GREY DOLOMITE - gradational upper contact - ropy banding & more distinct dark grey banding - random patches of massive white dolomite 41.20 - 46.75 - densely fractured with limonite infilling	43.50 - 55° banding
	48.22	BANDED GREY DOLOMITIC MARBLE - weakly effervescent with HCl - ropy banding very distinct	48.85 - 80° banding

SAMPLE No.	FROM ..... TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ..... to .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME.
PROJECT NO
HOLE/SEC. NO.

POLITICAL UNIT

SUR SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No	L	FOR
		U/N	SEC	DEG LAT	MIN	DEG LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES.

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
		- blue-grey pockets of dolomite, could represent load-casts (tops up) - minor limonite filled fractures @ 30° to C.A. - minor diss. po - after 48.90 distinct ropy (styolitic?) banding fades with depth but rock still contains distinct straight banding - dolomitic marble also becomes coarser grained with depth.	50.50 - 65° banding
	51.00	BANDED SUCROSIC GREY DOLOMITIC MARBLE - gradational contact 58.84 - 60.05 - silicious white dolomite - looks like a quartz hornfels in texture massive & f.g. - fractures @ 10 - 30° with calcite, chlorite & magnetite infilling, minor diss. po in blebs & fractures	54.00 - 45° banding 57.50 - 45° banding
	60.05	BANDED GREY MARBLE - random coarser grained sucrosic sections intermixed with f.g. sections - fracturing @ 20° to C.A. healed with magnetite, po, cp. - sharp lower contact @ 25° 72.68 - 73.43 - dolomitic marble - lacks banding or fracturing	62.00 - 35° banding 65.00 - 30° 68.00 - 40° 70.00 - 32° 75.00 - 40°
	77.0	MOTTLED GREY DOLOMITE - random fracturing @ 15 - 30° healed with chlorite, sericite, calcite & po - also chlorite & calcite patches 78.00 - 78.28 - good zebra banding @ 0° 79.30 - 80.20 - pyrrhotite, calcite, chlorite fractures @ 0° (poss. minor mag.) 80.76 - 80.89 - good zebra banding @ 0° 83.12 - 83.80 - massive white dolomite - sharp upper contact @ 40°	83.12 - 40° contact

SAMPLE No.	FROM ... TO.	INT. IN FT.	REC-OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL. from ... to ...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME
PROJECT NO.
HOLE/SEC. NO.:

POLITICAL UNIT

SUR SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	FOR	
		N/S	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologs)	Structural Angle SYMBOL C.A./Dip @
		- diss. po, chlor-sericite patches 84.00 - 84.37 - extensive fracturing @ 5° & 30° to c.a.; limonite infilling 87.10 - 87.42 - massive white dolomite - sharp contacts @ 60° 88.00 - 91.37 - densely fractured with calcite infilling; left lateral offsets @ 25° to C.A.	87.10 - 60° contact
	91.37	BANDED LIGHT GREY MARBLE	
		- med. crystalline, almost sucrosic - banding @ 45 - 60° to C.A. - limonite filling fractures, minor py, po - styolites @ 35°	91.60 - 60° banding 93.00 - 80° 95.10 - 50°
	100.05	MASSIVE GARNET-DIOPSIDE SKARN	97.00 - 50°
		- olive green, subhedral diopside x/ls throughout; minor po in interstices - sharp upper contact @ 65° marked by calcite seam rimmed with chlorite 100.37 - 100.51 - remnant band of sparry dolomite, contacts @ 40° & 55° (lower) - 2% diss. po (blebs) & 1% diss. py 102.11 - 102.17 - shear zone @ 40° to C.A. healed with calcite & chlorite - fluorite filling interstices @ 102.28 - minor diss. MoS_2 @ 102.52 - after 102.50 skarn becomes more pinkish olive in color with increase in interstitial d. green actinolite - after 103.00 fracturing @ 25° & 45° to C.A. healed with quartz & calcite; diopside & actinolite in streaky bands @ 70° to C.A. - coarse diss. scheelite occurs in diopside-actinolite rich bands 103.15 - 103.30 diss. MoS_2 in diopside-rich 103.56 - 103.70 sections 103.85 - 104.00	100.00 - 60° 101.85 - 65° banding 0.45% WO_3 0.20% MoS_2 3.0 m (2.4 TW) 0.30% WO_3 0.15% MoS_2 8.0 m (6.4 TW)

SAMPLE No.	FROM TO (m)	INT. IN FT. (m)	REC. OVERY	% WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A9-1	100.05 - 101.05	1.0		0.113		118	83	20
81-A9-2	101.05 - 102.05	1.0		0.205		55	105	22
81-A9-3	102.05 - 103.05	1.0		0.123		24	99	27
81-A9-4	103.05 - 104.05	1.0		0.324	0.28	10	>250	28
81-A9-5	104.05 - 105.05	1.0		0.435	0.16	33	>250	48
81-A9-6	105.05 - 106.05	1.0		0.608	0.10	9	>250	35
81-A9-7	106.05 - 107.05	1.0		0.153	0.03	6	175	42
81-A9-8	107.05 - 108.05	1.0		0.120	0.14	6	>250	52
81-A9-9	108.05 - 109.05	1.0		0.081	0.10	9	>250	54
81-A9-10	109.05 - 110.05	1.0		0.484	0.18	9	>250	75
81-A9-11	110.05 - 111.05	1.0		0.225	0.12	10	>250	79
810A9-12	111.05 - 112.05	1.0		0.059		16	115	156
81-A9-13	112.05 - 113.05	1.0		0.016		23	32	140

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from ... to ...

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME.
PROJECT NO.
HOLE/SEC NO.:

POLITICAL UNIT:

SUR SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS

OTHER FEATURES.

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip ●
		104.10 - 104.19 - diss. MoS_2 in actinolite & qtz rich section	
		104.20 - 104.44 - massive diopside with net-like intersticial garnet	104.44 - 56° contact
		104.80 - 105.50 - increase in diopside & actinolite content as above	
		- extensive gouge filled fractures @ 50° to C.A. from 104.80 - 104.97	
		- qtz veinlet @ 5° to C.A. containing several 3 mm scheelite x/ls.	
		- fracturing often displays right lateral offsets @ 10°	
		105.35 - 105.50 - jet black massive chlorite displaying slickensides	105.85 - 55° weak foliation
		106.75 - 107.00 - calcite filled fracture @ 0° containing chlorite seam	
		107.00 - 107.80 - increase in diopside-actinolite as before; becomes extremely altered to pasty mass @ 107.44	
		107.56 - 107.70 - quartz hornfels banding @ 55° to C.A.	
		107.88 - calcite seam @ 25° to C.A.	
		- after 107.75 - massive pale salmon garnet skarn with minor diopside; becomes increasingly altered with depth; diss. MoS_2 - no preferential calc-silicate mineral assoc.	
	111.35	ALTERED GARNET SKARN	
		- skarn becomes d. grey due to disintegration of garnet & increase in chlorite; hairline calcite veinlets throughout (no pref. orientation)	111.90 - 65° weak banding
	113.64	MASSIVE DIOPSIDE-CHLORITE SKARN	
		- f.g. massive, dirty green; minor garnet & qtz	
		- qtz veining @ 35° to C.A. containing actinolite	

SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu	Mo	Zn	
81-A9-14	113.05 - 114.05	1.0		0.008		49	79	196	

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL from to

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME.
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT:

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC		TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	POR	
		N/S	SEC	DEG LAT	MIN	DEG LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip ●	SAMPLE No.	FROM ... TO. ...	INT IN FT.	REC-OVERY	ASSAY RESULTS					
		- after 114.60 becomes lighter green, less chlorite, more garnet present along crude bands @ 75° to C.A. - effervesces weakly with HCl 115.85 - 117.00 - increase in chlorite, often pseudomorph after actinolite needles.											
	117.00	DIOPSIDE-GARNET-QUARTZ-CHLORITE SKARN - diopside forms brecciated masses with interstitial garnet 118.10 - calcite veinlet @ 0° displaying banded comb textures crosscut by later qtz infilling; selvage of actinolite along fracture. - qtz filling interstices often rimmed in garnet											
	118.42	BRECCIA ZONE - brecciated diopside skarn fragments up to 3 cm, angular; healed with calcite; matrix cement contains vugs of calcite x/ls. (platy rosettes). - breccia changes to a limey gouge filling towards 118.87											
	118.87	DIOPSIDE-QUARTZ-GARNET SKARN - as before - qtz forms vein masses @ 20° & 70° to C.A. rimmed in garnet selvage; garnets usually coarsely x/l. - some qtz veins are internally fractured & healed with calcite 122.12 - 122.50 - massive garnet containing diss. chlorite porphyro-blasts. 122.53 - 124.75 - broken core; limey											
	122.84	WEAKLY SKARNIFIED MARBLE (DIOPSIDIC) - pale green, strongly effervescent											

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from.... ... to.. . .....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PROJECT NAME:
PROJECT NO.:
HOLE/SEC. NO.:

POLITICAL UNIT.....

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E/W	M
		1/4	UNIT	B	No.	L	FOR
		U/V	SEC	DEG LAT	MIN	DEG.LONG	MIN

ADDITIONAL INFO.:

CLAIM/PERMIT NO.:

WORK DONE Name Dates Remarks

DRILLING:

LOGGING:

ASSAYING:

LOGGED BY:

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS

OTHER FEATURES:

FORM/ UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Lithologi	Structural Angle SYMBOL C.A./Dip @
		- garnets appear again after 124.0	
	124.00	DIOPSIDE-GARNET SKARN	
		- as before, f.g.	
	124.60	SPOTTED DIOPSIDE-QUARTZ HORNFELS (Lower Atan Fm.)	
		- pale green to cream with spotted texture of d. green diopside; weakly effervescent, f.g.	124.90 - 24° weak banding
		- random qtz hornfels rich sections 130.40 - 130.65 - sheared calcite veinlets @ 30°	
		- spotted texture gradational into streaky banding	130.70 - 45°
		- after 139.15 - biotite appears within diopside porphyroblasts	135.00 - 45° banding
			138.00 - 40° banding
	139.15	SPOTTED QUARTZ-BIOTITE HORNFELS	
		- cream colored, f.g. biotite forms porphyroblasts up to 3 mm in size	
		- biotite increases with depth	
		- minor diss. scheelite grains throughout	
		141.08 - 141.15 - diopside band @ 50° to C.A.	
		- after 141.30 - massive pyrite blebs up to 0.5 cm	141.30 - 40° banding
		145.45 - 146.85 - massive sericite-pyrite hornfels	
		- pyrite in subhedral cubes up to 3 cm in size	146.45 - 80° banding
		146.95 - 147.02 - as above	
		147.75 - 148.15 - massive po-py seam	0.22% WO_3 8.0 m (7.0 TW)
	148.44	END OF HOLE	

SAMPLE No.	FROM ... TO. ... (m)	INT. IN FT. (m)	REC-OVERY	ASSAY RESULTS % WO_3	% MoS_2	Cu (ppm)	Mo (ppm)	Zn (ppm)
81-A9-15	131.40 - 132.40	1.0		<0.001		10	38	92
81-A9-16A	132.40 - 133.40	1.0		0.113		12	7	35
81-A9-16B	138.40 - 139.40	1.0		0.115		6	53	100
81-A9-17	139.40 - 140.40	1.0		0.137		87	39	65
81-A9-18	140.40 - 141.40	1.0		0.272		92	7	76
81-A9-19	141.40 - 142.40	1.0		0.166		45	5	61
81-A9-20	142.40 - 143.40	1.0		0.234		45	26	74
81-A9-21	143.40 - 144.40	1.0		0.209	0.073	129	>250	68
81-A9-22	144.40 - 145.40	1.0		0.199		72	10	62
81-A9-23	145.40 - 146.40	1.0		0.209		132	14	70
81-A9-24	146.40 - 147.40	1.0		0.222		37	4	26
81-A9-25	147.40 - 148.40	1.0		0.269		29	38	64

SYMBOLS AND ABBREVIATIONS:

SHEET INTERVAL: from.. .... to.....

MVN062V

SHELL CANADA LIMITED MINERALS DEPARTMENT
DRILL HOLE OR SECTION DATA RECORD

PAGE 1 OF 1
PROJECT NAME: McDame
PROJECT NO. 3191U
HOLE/SEC. NO.: 3191U-81-B-1

POLITICAL UNIT: ...../.....

SUB SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E/W	M	
		1/4	UNIT	B	No.	L	POR	
		U/N	SEC	DEG LAT	MIN	DEG.LONG	MIN	

ADDITIONAL INFO.:

CLAIM/PERMIT NO: Balsam 1 (694)
Liard Mining Division

WORK DONE Name Dates Remarks

DRILLING: D. W. Coates Aug. 1-3, 1981

LOGGING:

ASSAYING:

LOGGED BY: M. Sanborn
G. W. Moffat

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	0+00	9+25W		245°	-50°	32.80m
SURVEY GRID	N	E		AZ.		

LANDMARKS:

OTHER FEATURES:

FORM/ UNIT	DEPTH (m)	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @
	0.0	OVERBURDEN	
	3.66	PORPHYRITIC QUARTZ MONZONITE (Contact Stock) - med. to c.g. phenocrysts of k-spar up to 1 cm in size, corroded crystal faces - minor diss. pyrite & magnetite 6.16 - xenolithic fragment of f.g. grey biotite hornfels 9.13 - 9.35 - Quartz Veinlet @ 20° to C.A. 13.71 - Quartz Veinlet @ 40° to C.A.	
	14.00	ALTERED QUARTZ MONZONITE - groundmass plagioclase altered to clay minerals, especially near quartz veinlets 15.60 - Quartz Veinlet @ 35° to C.A. 15.70 - 1 - 2% diss. magnetite 18.00 - xenolithic fragment of f.g. grey hornfels	
	19.00	PORPHYRITIC QUARTZ MONZONITE - as before but slightly fewer phenocrysts 20.20 - 20.60 - densely porphyritic with K-spar megacrysts, unaltered & unmantled 19.95 - Fault Gouge (?) 30.14 - 30.48 - Broken, ground core	
	32.80	END OF HOLE	

SAMPLE No.	FROM ..... TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS					

SYMBOLS AND ABBREVIATIONS

SHEET INTERVAL: from..... to.....

MVN062V

SEPARATOR SHEET 9327

PHOTOS INDEX

Photo 1

Massive White Coarsely Crystalline (Sucrosic) Marble.
Weakly Banded Sucrosic Marble
Massive Buff Dolomite

Photo 2

Weakly Mottled Grey Marble

Photo 3

Mottled Grey Dolomite

Photo 4

Mottled to Banded Grey Dolomite

Photo 5

Banded Grey Marble

Photo 6

Banded to Zebra-Banded Marble

Photo 7

Mottled to Banded Marble

Photo 8

Graphitic Banded Marble

Photo 9

Graphitic Banded Marble

Photo 10

Finely Laminated Silt Interbeds within Brecciated to Weakly Banded Marble

Photo 11 and 12

Magnetite-Chlorite-Pyrrhotite Vein Skarn filling Fractured
Massive White Dolomite

Photo 13 and 14

Convoluted "Wrigglite"-Textured Magnetite-Chlorite-Pyrrhotite-Pyrite
Vein Skarn in Massive Upper Atan Dolomite

PHOTOS INDEX (cont'd)

Photo 15

Disseminated to Massive Pyrite in Skarnified Marbles
Massive Garnet-Magnetite Skarn (Magnetite filling Garnet intersticies)

Photo 16

Massive Garnet - Diopside Skarn

Photo 17 and 18

Quartz-Biotite-Pyrite-Epidote-Magnetite-Sericite Skarn

Photo 19

Actinolite-Calcite Bands cutting Biotite Hornfels

Photo 20

Quartz-Rhodonite Hornfels

Photo 21 and 22

Biotite-Quartz-Cordierite Hornfels

Photo 23

Quartz-Biotite-Cordierite Hornfels cut by Quartz-Molybdenite Veinlet

Photo 24

Quartz-Biotite Hornfels

Photo 25 and 26

Foliated Lamprophyre Dyke

Photo 1

Massive White Coarsely Crystalline (Sucrosic) Marble
Weakly Banded Sucrosic Marble
Massive Buff Dolomite

Photo 2

Weakly Mottled Grey Marble

Photo 3

Mottled Grey Dolomite

Photo 4

Mottled to Banded Grey Dolomite

Photo 5

Banded Grey Marble

Photo 6

Banded to Zebra-Banded Marble

Photo 7

Mottled to Banded Marble

Photo 8

Graphitic Banded Marble

Photo 9

Graphitic Banded Marble

Photo 10

Finely Laminated Silt Interbeds within Brecciated to Weakly Banded Marble

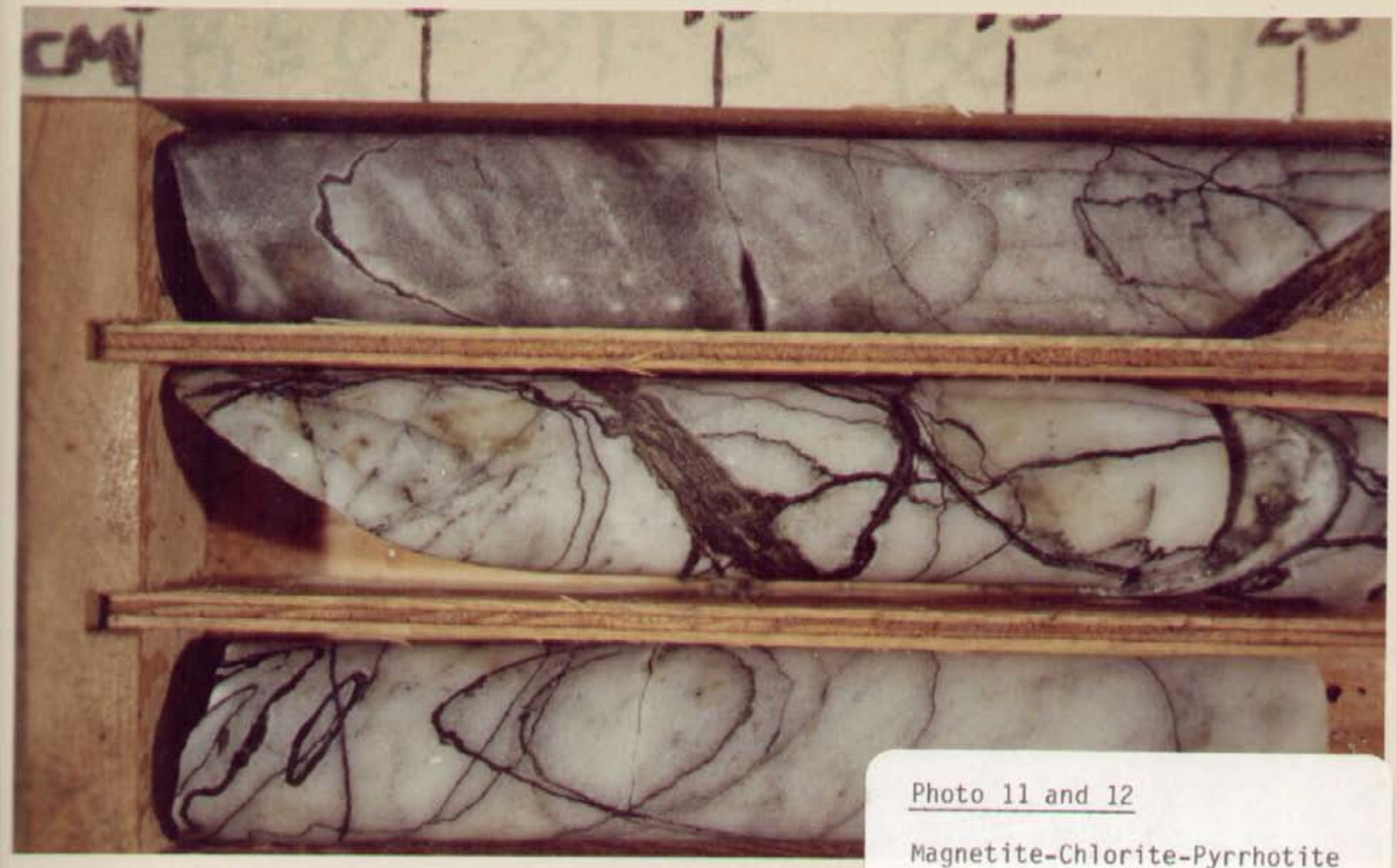


Photo 11 and 12

Magnetite-Chlorite-Pyrrhotite Vein Skarn filling Fractured Massive White Dolomite

Photo 13 and 14

Convoluted "Wrigglite"-Textured Magnetite-Chlorite-Pyrrhotite-Pyrite Vein Skarn in Massive Upper Atan Dolomite

Photo 15

Disseminated to Massive Pyrite in Skarnified Marbles
Massive Garnet-Magnetite Skarn (Magnetite filling Garnet intersticies)

Photo 16

Massive Garnet - Diopside Skarn

Photo 17 and 18

Quartz-Biotite-Pyrite-Epidote-Magnetite-Sericite Skarn

Photo 19

Actinolite-Calcite Bands
cutting Biotite Hornfels

Photo 20

Quartz-Rhodonite Hornfels

Photo 21 and 22

Biotite-Quartz-Cordierite Hornfels

Photo 23

Quartz-Biotite-Cordierite Hornfels cut by Quartz-Molybdenite Veinlet

Photo 24

Quartz-Biotite Hornfels

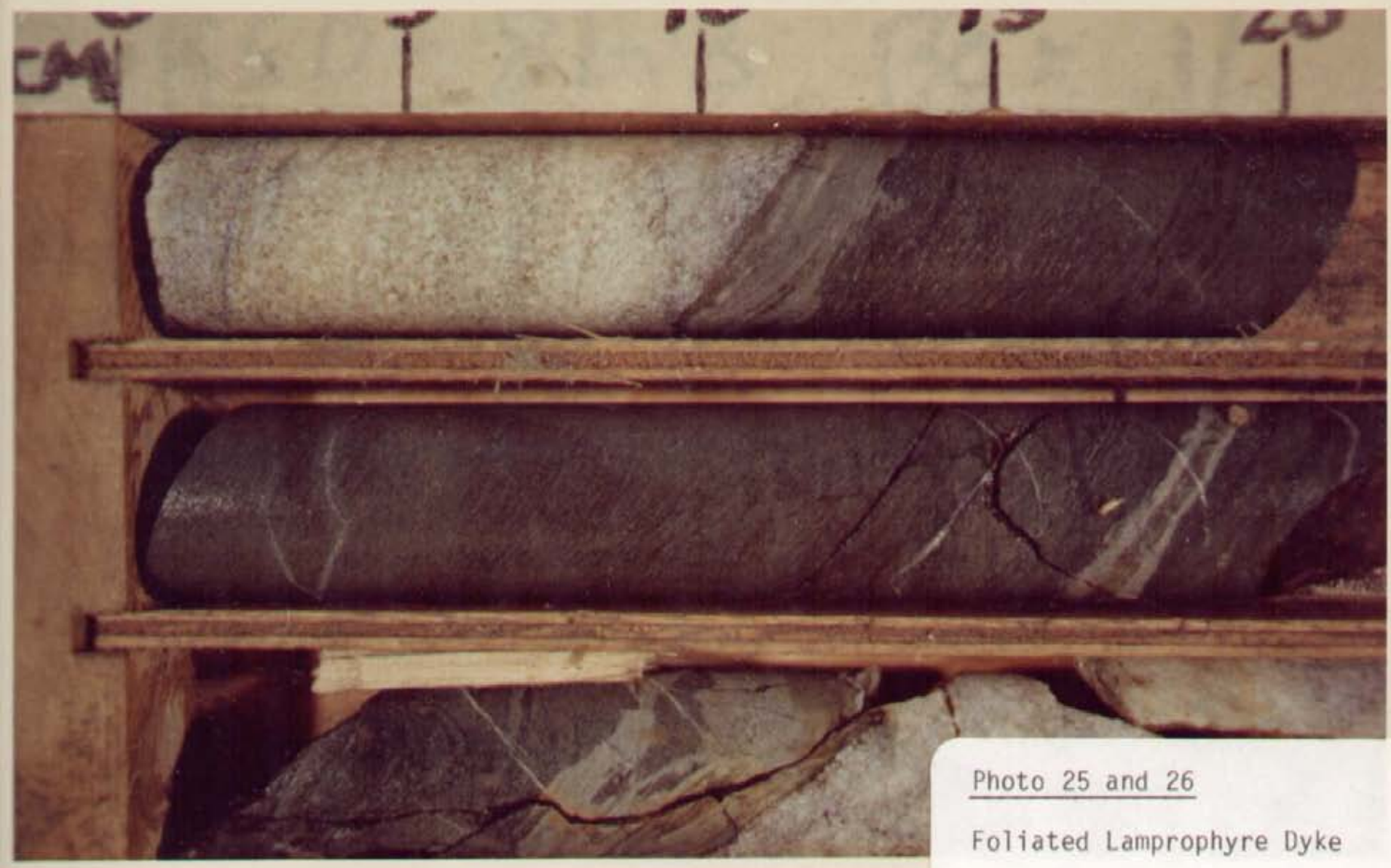


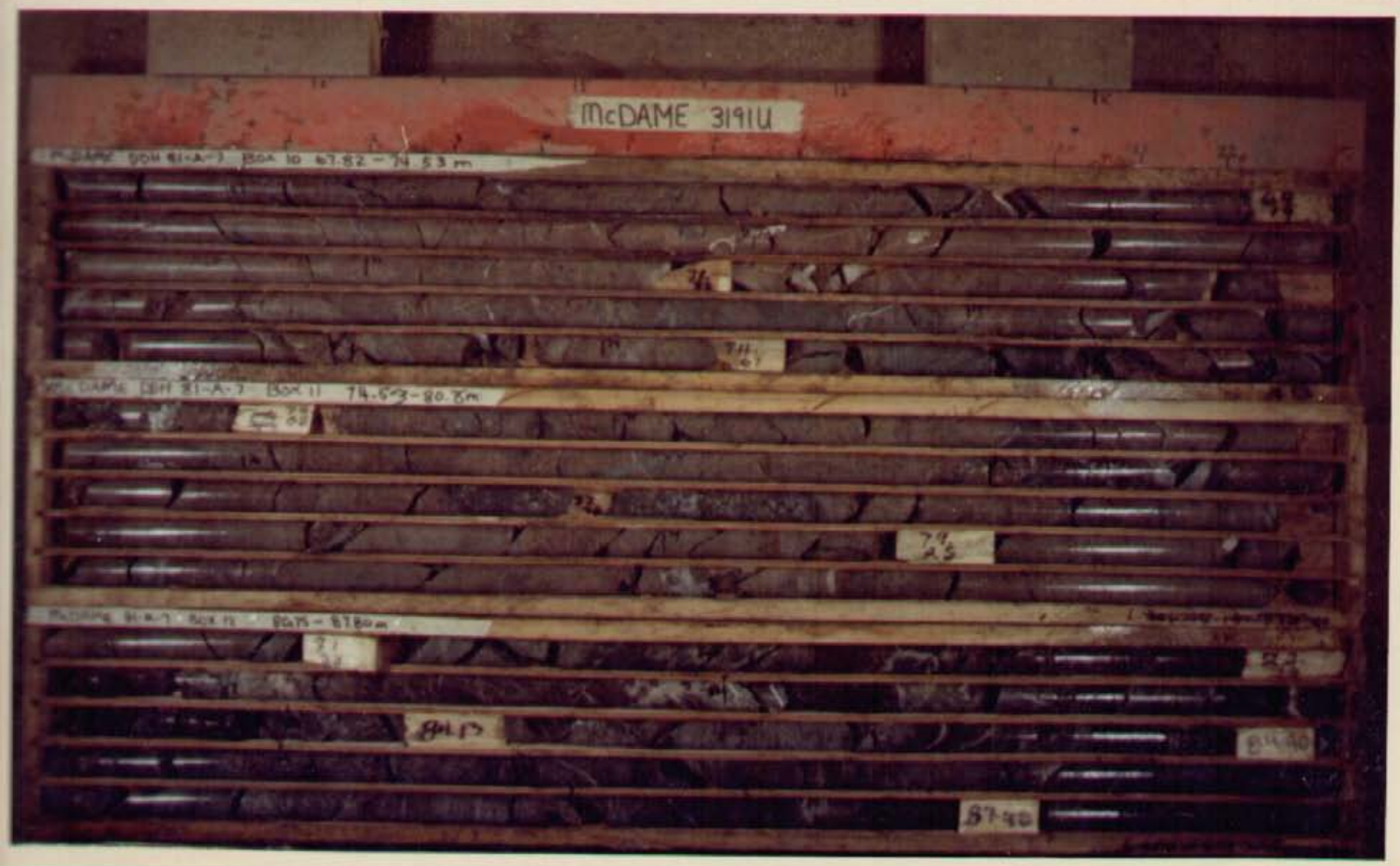
Photo 25 and 26

Foliated Lamprophyre Dyke

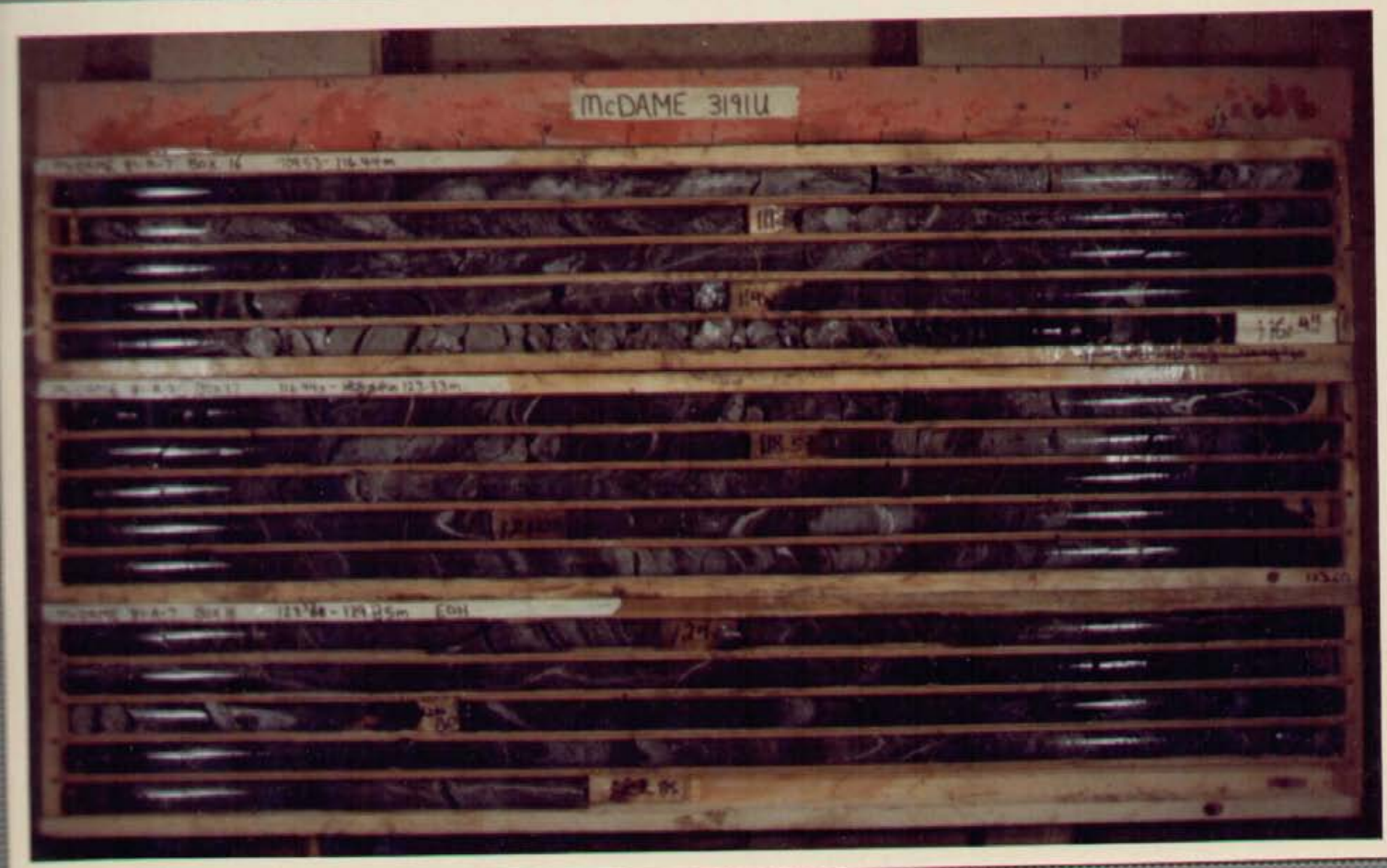
McDAME 3191U

McDAME 3191U

McDAME 3191U


McDAME 3191U

McDAME 3191U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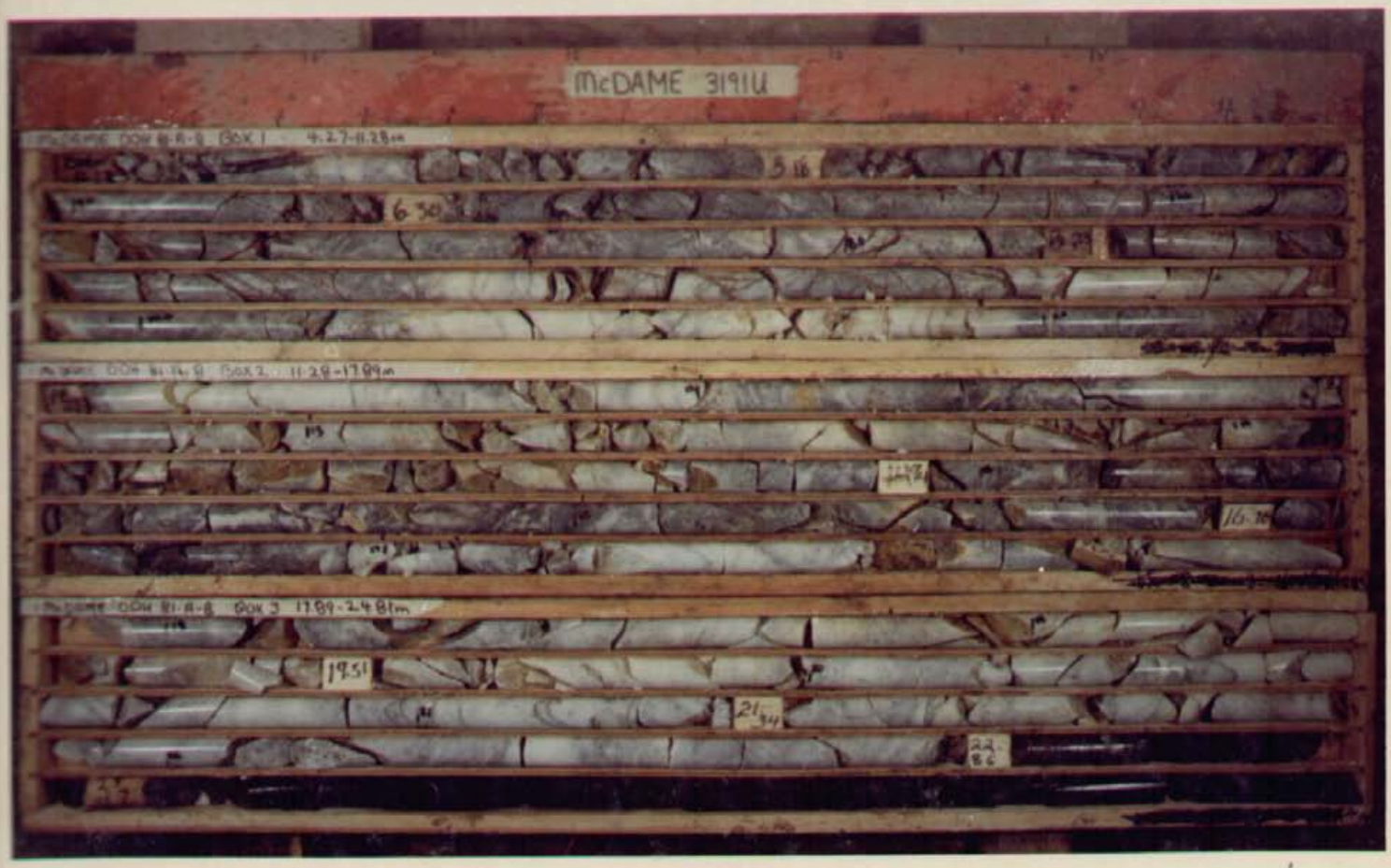
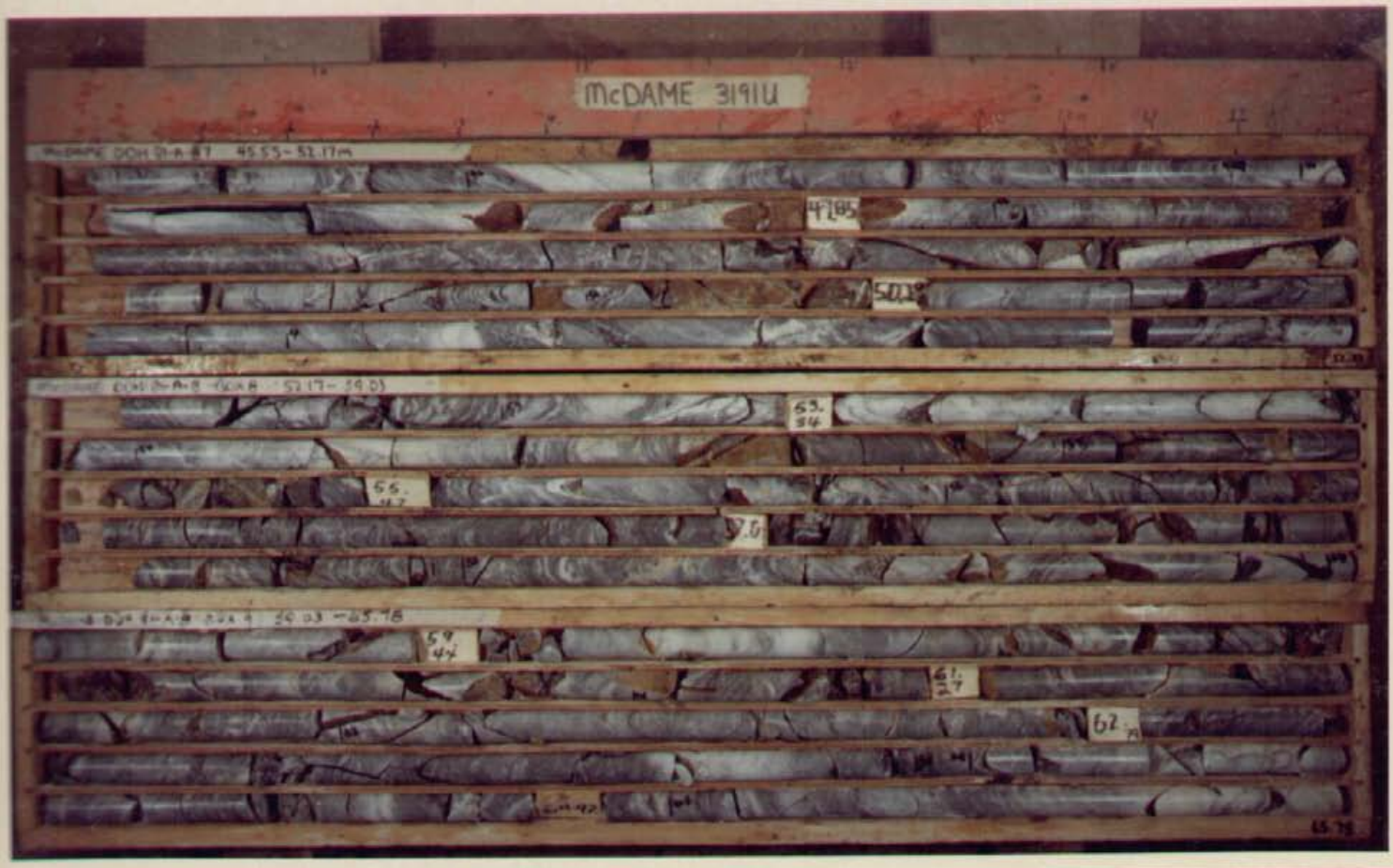

McDAME 3191U

McDAME 3191U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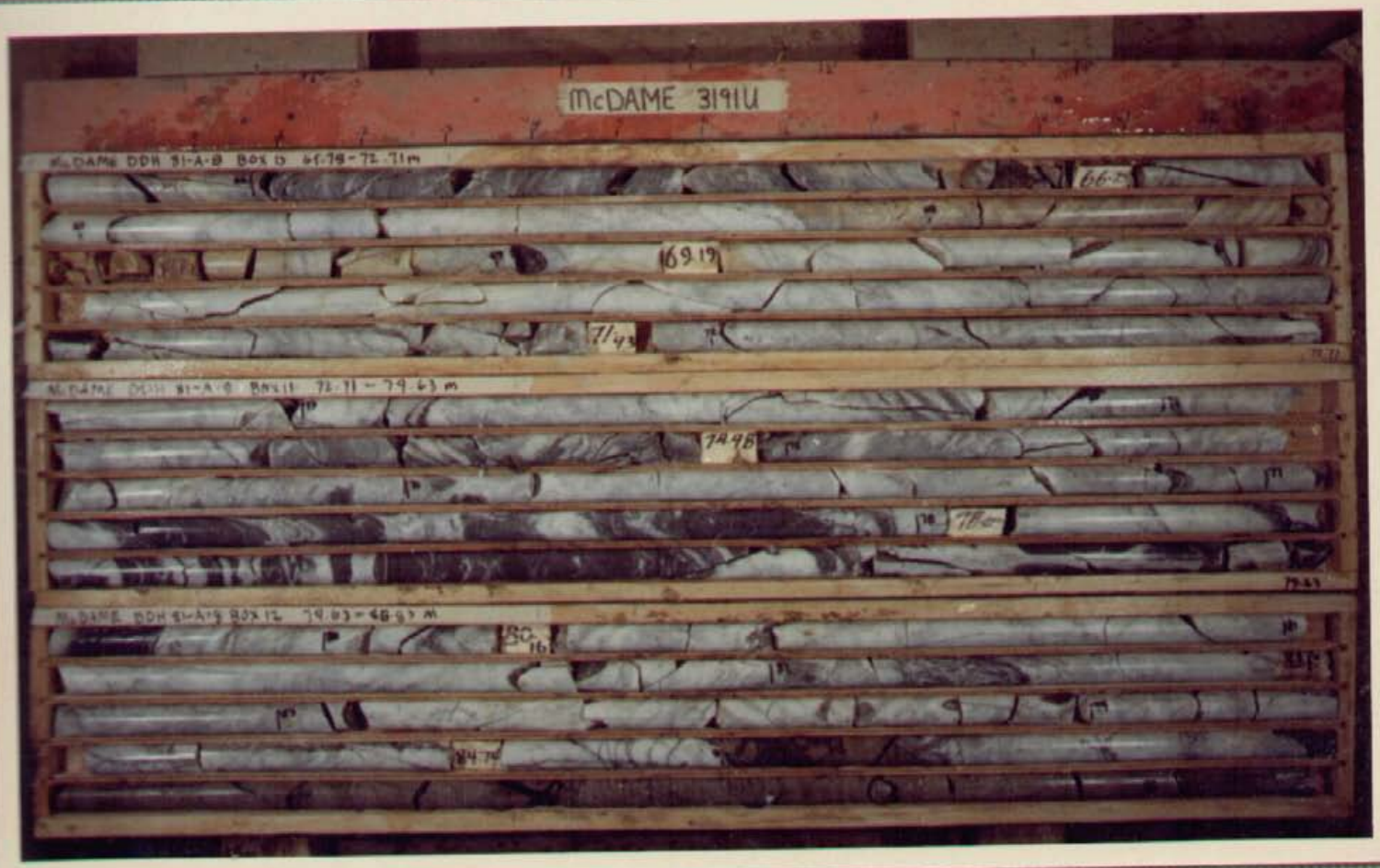
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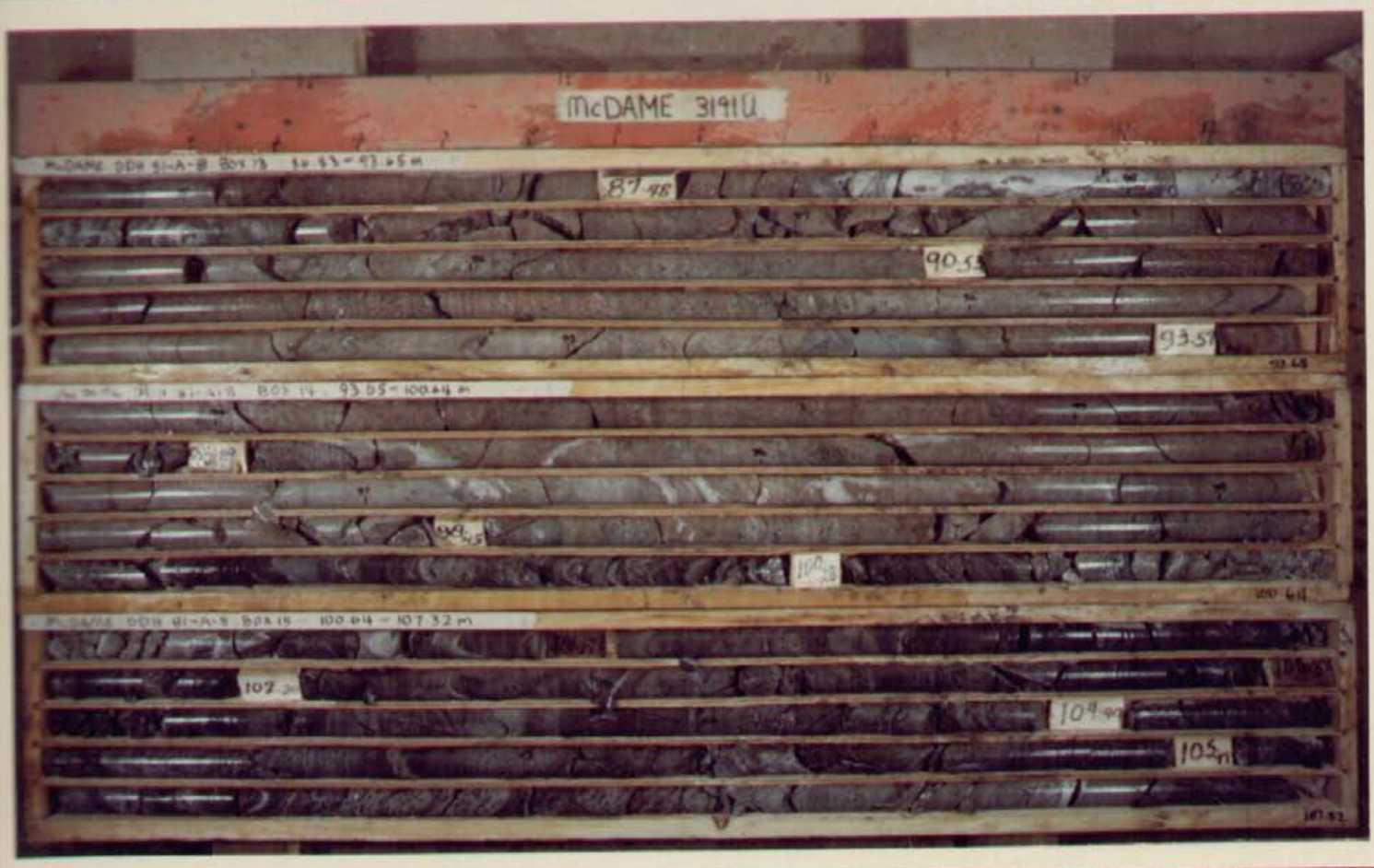
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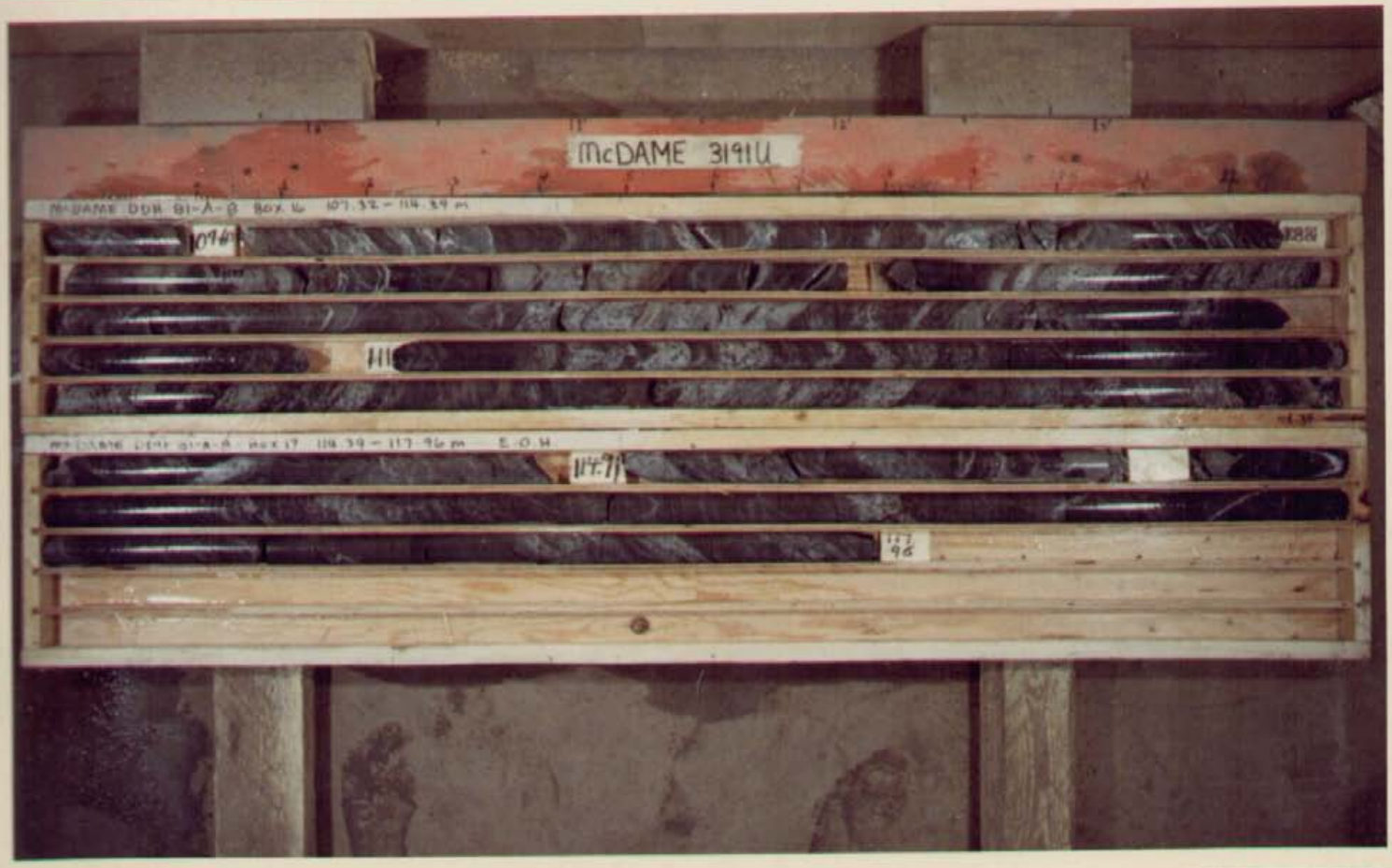
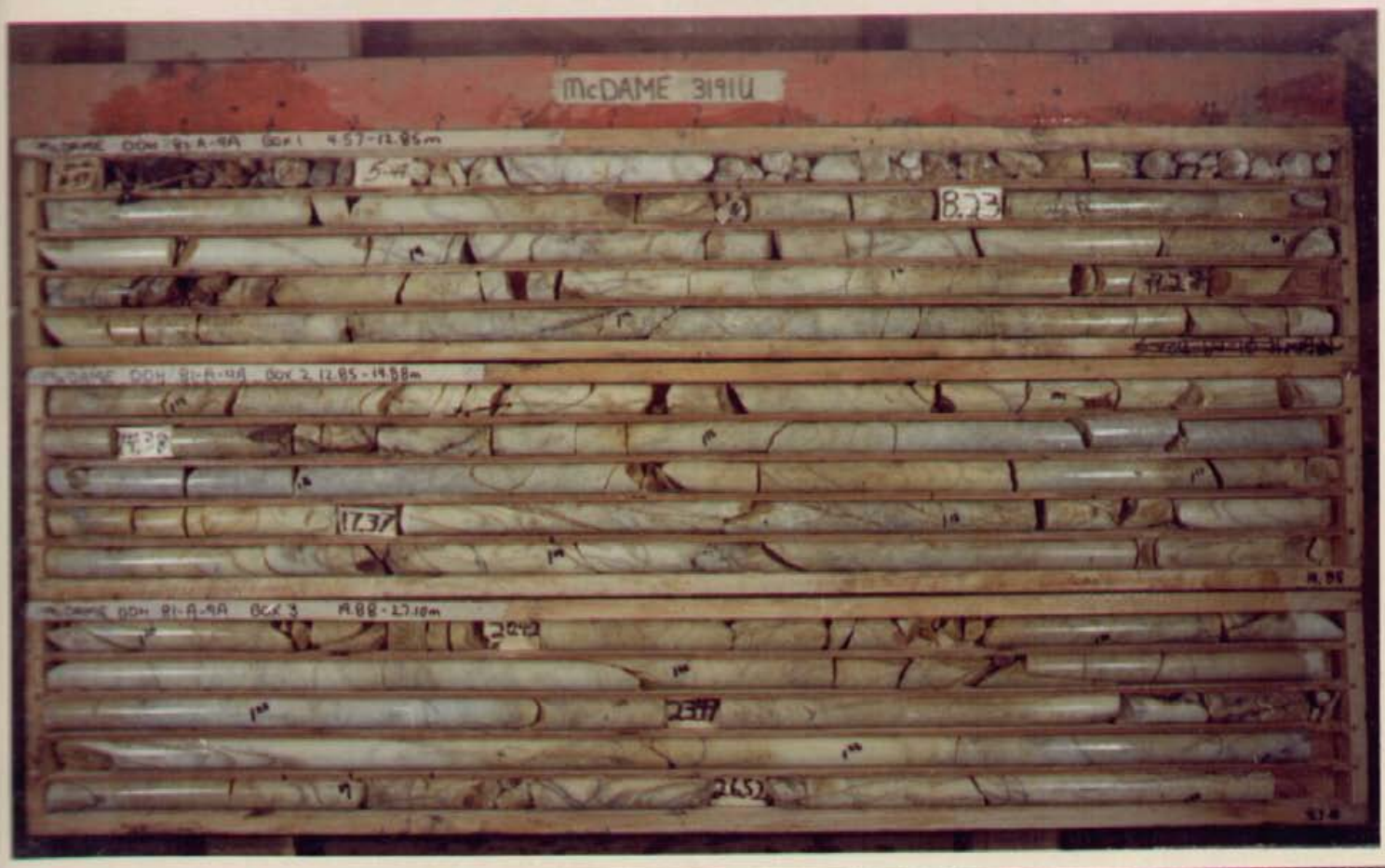
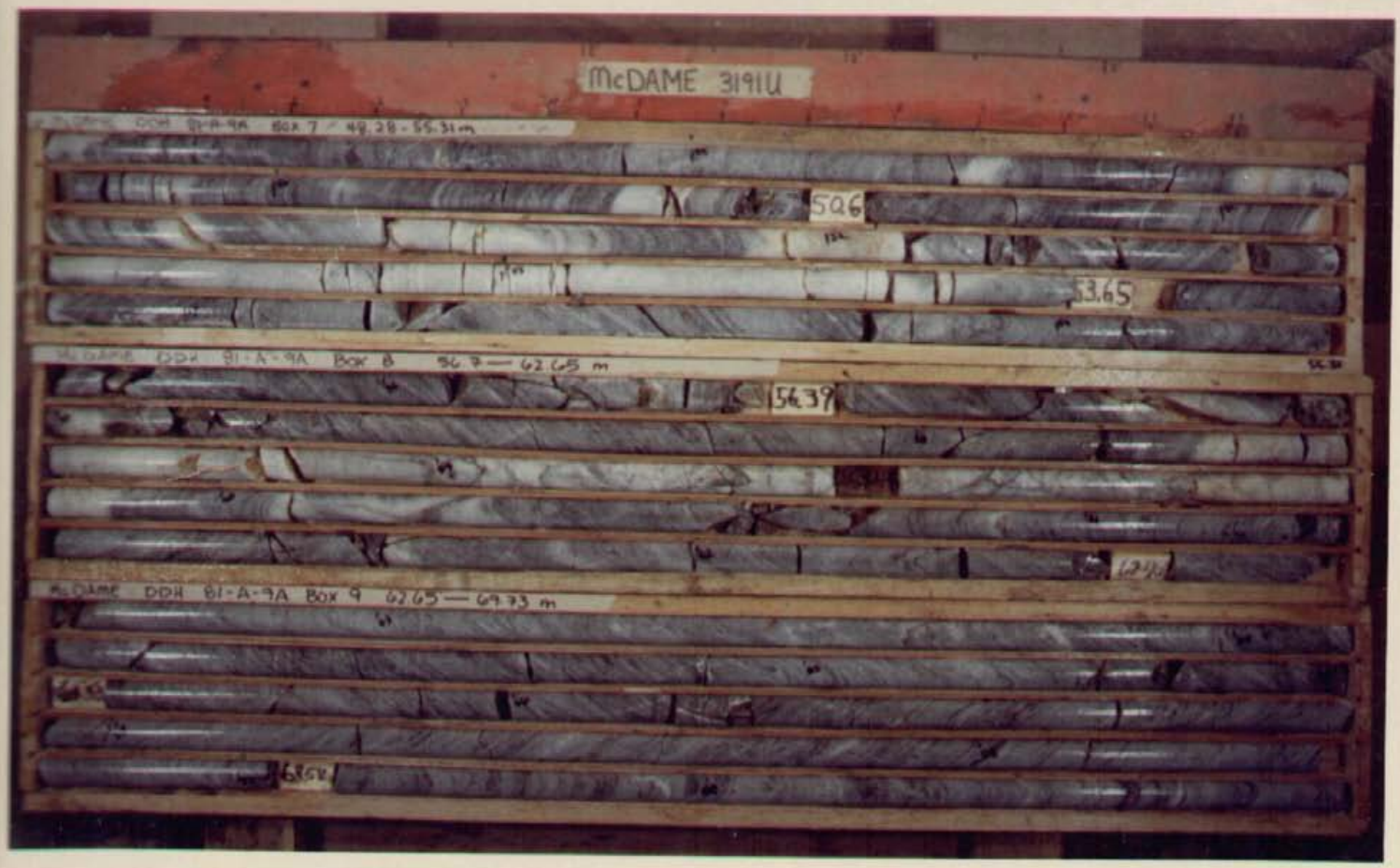
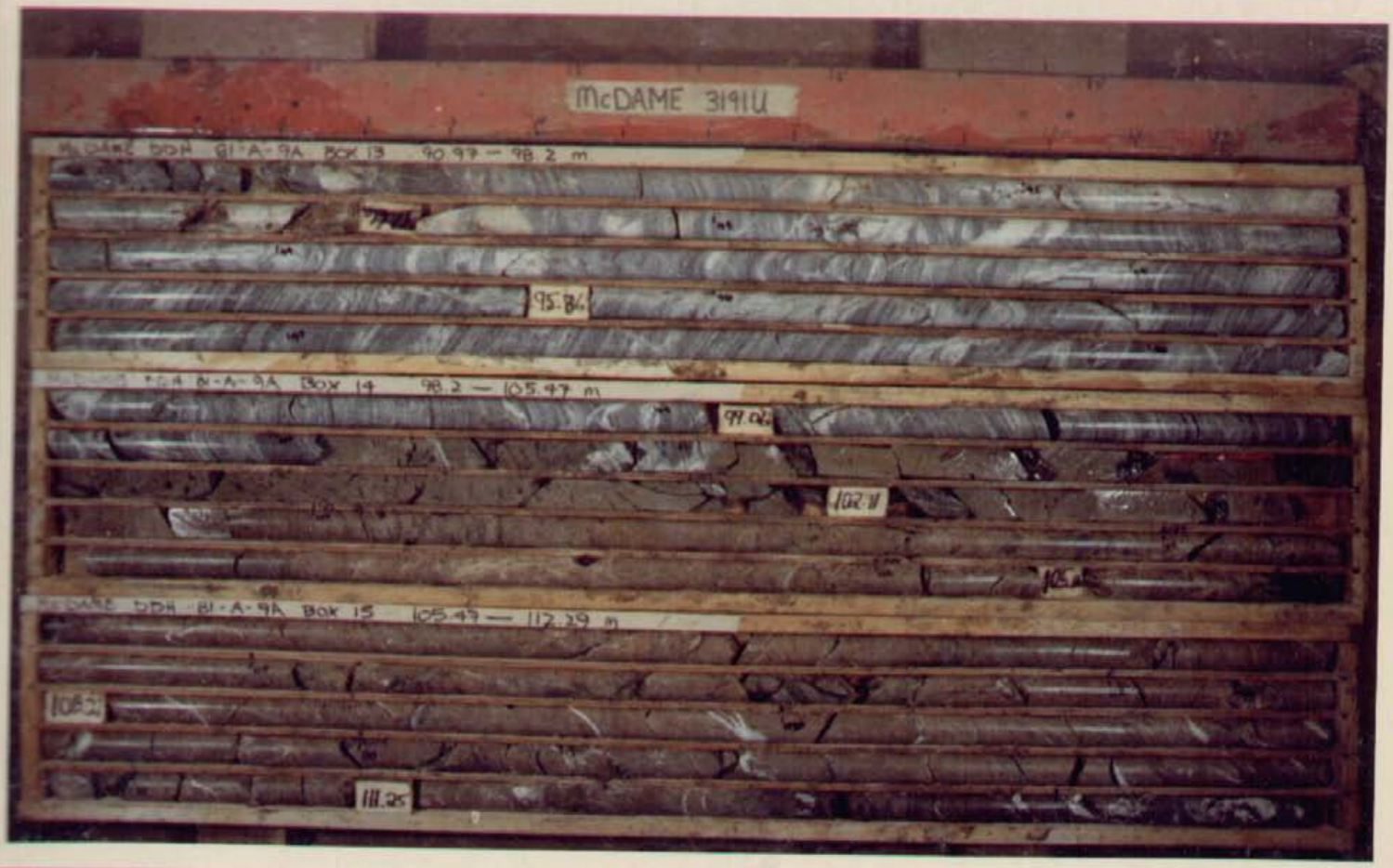

McDAME 3191U


McDAME 3191U
McDAME DDH 81-A-9A Box 1 4.57-12.85m
8.23
McDAME DDH 81-A-9A Box 2 12.85-19.88m
17.37
McDAME DDH 81-A-9A Box 3 19.88-27.10m
23.17
26.52

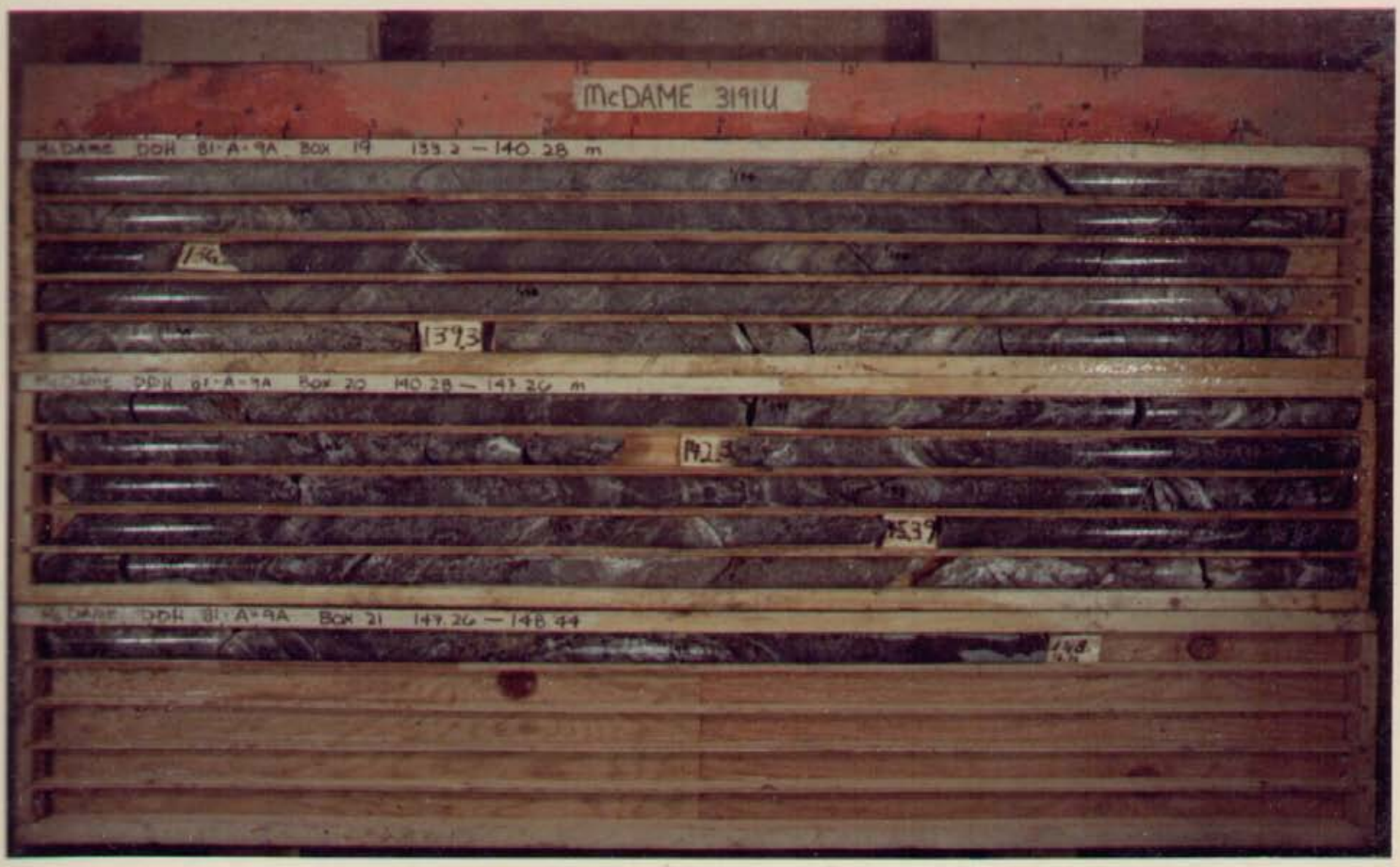
McDAME 3191U
McDAME DDH 81-A-9A Box 4 27.10-34.16m
32.61
McDAME DDH 81-A-9A Box 5 34.16-41.15m
38.1
McDAME DDH 81-A-9A Box 6 41.15-48.28m
41.15
42
47.55


McDAME 3191U
McDAME DDH 81-A-9A Box 7 49.28 - 55.31 m
50.6
53.65
McDAME DDH 81-A-9A Box 8 56.7 — 62.65 m
56.39
McDAME DDH 81-A-9A Box 9 62.65 — 69.73 m

McDAME 3191U
McDAME DDH 81-A-9A Box 10 69.73 — 77.0 m
McDAME DDH 81-A-9A Box 11 77.0 — 84.34 m
81.23
McDAME DDH 81-A-9A Box 12 84.34 — 90.97 m

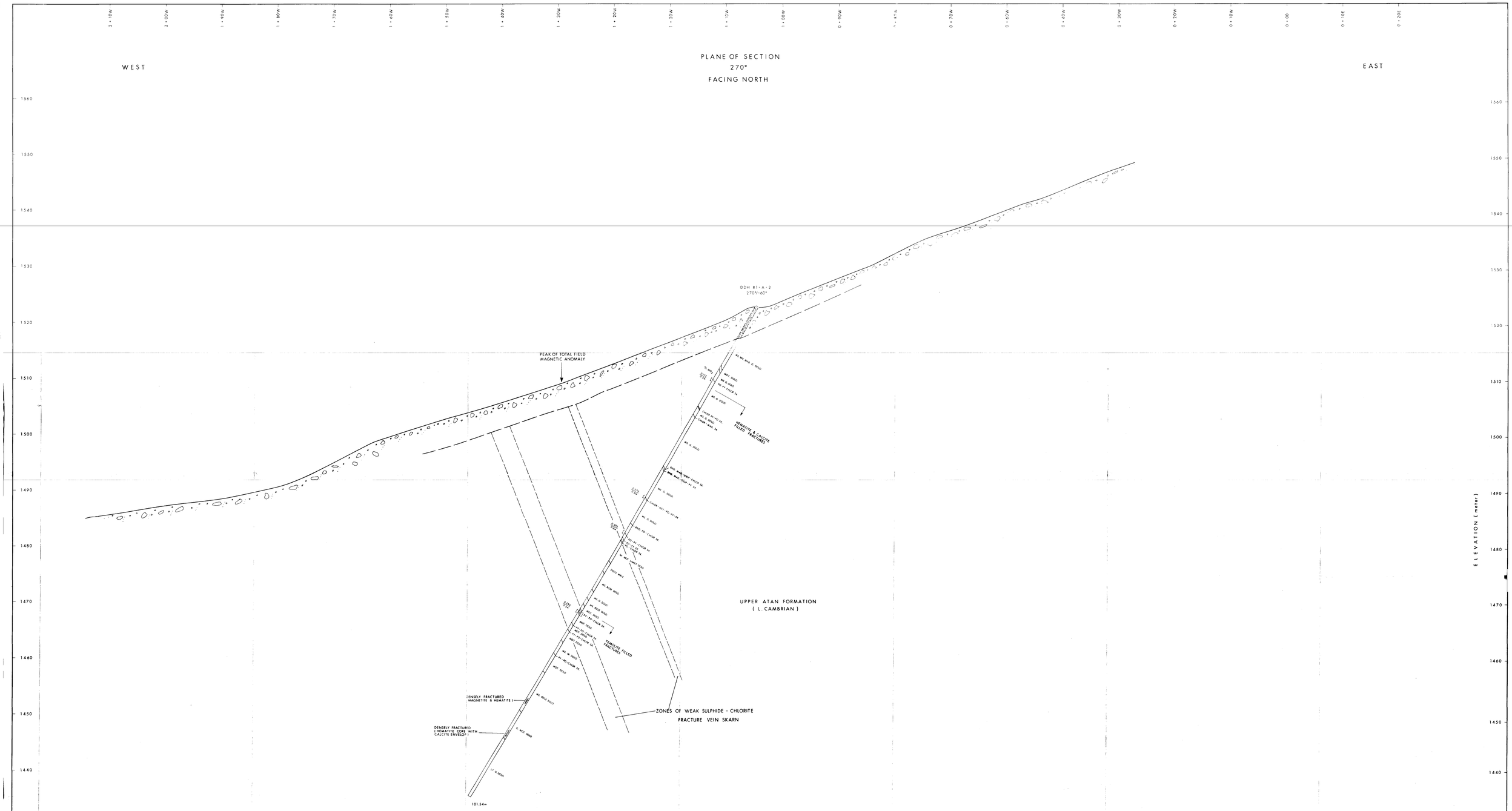

McDAME 3191U
McDAME DDH 81-A-9A BOX 13 90.97 — 98.2 m
95.86
McDAME DDH 81-A-9A Box 14 98.2 — 105.47 m
99.02
102.11
McDAME DDH 81-A-9A BOX 15 105.47 — 112.29 m
108.22
111.25

McDAME 3191U
McDAME DDH 81-A-9A Box 16 112.1 — 119.37 m
119.37
McDAME DDH 81-A-9A BOX 17 119.37 — 126.1 m
McDAME DDH 81-A-9A BOX 18 126.1 — 133.2 m


McDAME 3191U
McDAME DDH 81-A-9A BOX 19 133.2 — 140.28 m
139.3
McDAME DDH 81-A-9A BOX 20 140.28 — 147.26 m
142.5
145.39
McDAME DDH 81-A-9A BOX 21 147.26 — 148.44
148

McDAME 3191U

McDAME 3191U



ABBREVIATIONS

LITHOLOGIES & MINERALS		COLORS	TEXTURES	
ACT	ACTINOLITE	B - BROWN	BND	BANDED
AND	ANDESITE	G - GREY	BX	BRECCIATED
BIO	BIOTITE	W - WHITE	LT	LIGHT
CALC	CALCITE		MOT	MOTTLED
CALC-SILIC	CALC-SILICATE		MS	MASSIVE
CHLOR	CHLORITE		SUC	SUCROSIC
CORD	CORDIERITE		WK	WEAKLY
DIOP	DIOPSIDE		ZEB	ZEBRA BANDING
DOLO	DOLOMITE			
EPID	EPIDOTE			
GARN	GARNET			
GRAPH	GRAPHITE			
HFLS	HORNFELS			
MAG	MAGNETITE			
MBLE	MARBLE			
QTZ	QUARTZ			
QTZITE	QUARTZITE			
Po	PYRRHOTITE			
Py	PYRITE			
SK	SKARN			
SPH	SPHALERITE			
TREM	TREMOLITE			

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,350
NO.

part 2 of 3

SCALE 1:200

0 5 10m

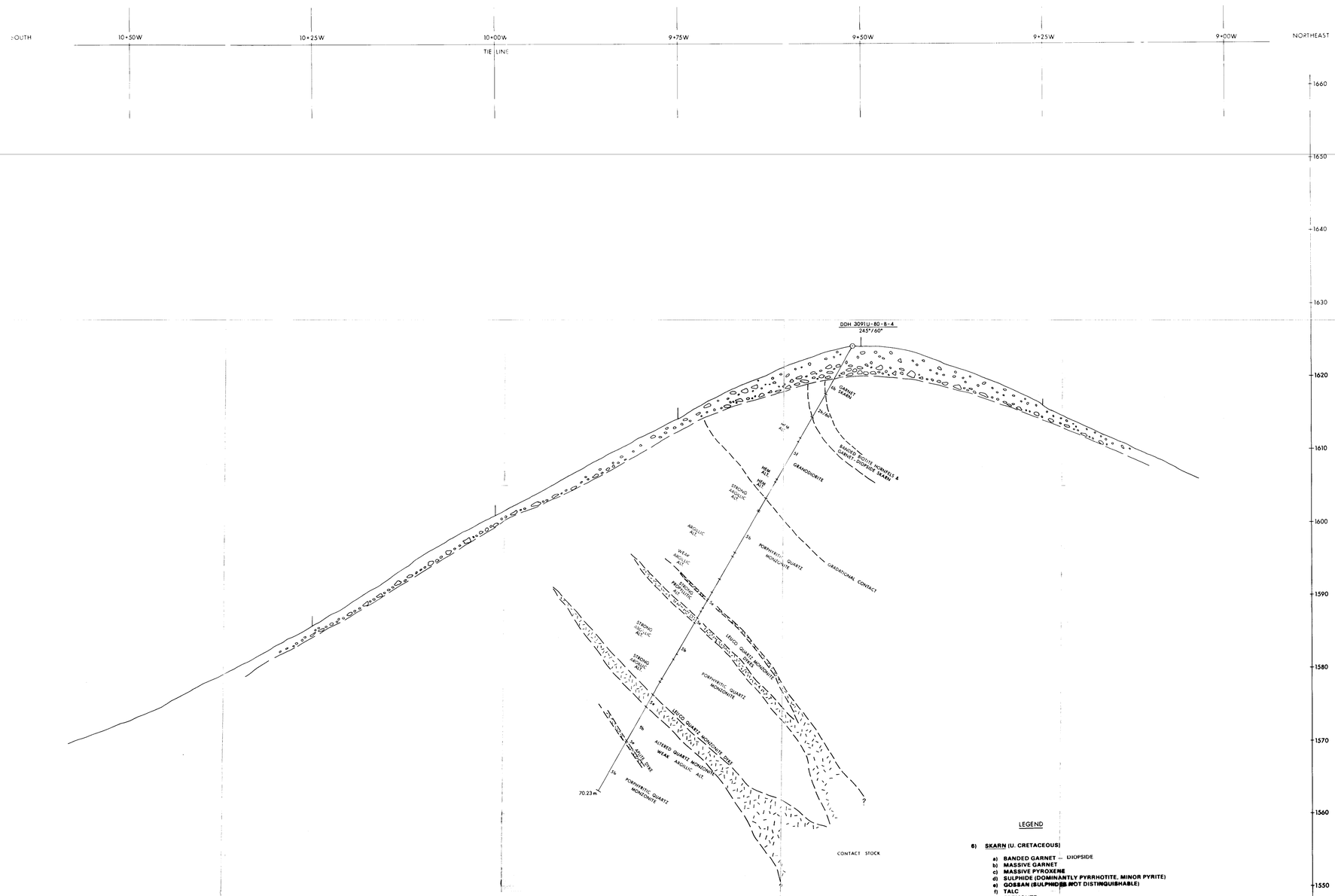
SHELL CANADA RESOURCES LIMITED
EXPLORATION – MINERALS

3191 U
McDAME PROJECT, B.C.
KUHN ZONE NORTH
DRILL SECTION 10+05 N
PLANE OF SECTION 270°
FACING NORTH

FIG. 16

AUTHOR: G. MOFFAT | SCALE: 1:200 | DRAWING No: VC-15-7
DATE: AUG. 81 | REVISED: | ENCLOSURE No:
To Accompany

SECTION 2+75 S



PLANE OF SECTION 245° Az.
FACING NORTHWEST

LEGEND

6) SKARN (U. CRETACEOUS)

a) BANDED GARNET – DIOPSIDE
b) MASSIVE GARNET
c) MASSIVE PYROXENE
d) SULPHIDE (DOMINANTLY PYRRHOTITE, MINOR PYRITE)
e) GOSSAN (SULPHIDES NOT DISTINGUISHABLE)
f) TALC
g) TREMOLITE
h) ACTINOLITE
i) QUARTZ
j) EPIDOTE
k) WOLLASTONITE

5) FELSIC INTRUSIVES (U. CRETACEOUS)

a) QUARTZ MONZONITE WITH MANTLED K-SPAR PHENOCRYSTS
b) QUARTZ MONZONITE WITH K-SPAR PHENOCRYSTS
c) QUARTZ MONZONITE – EQUIGRANULAR
d) QUARTZ – FELDSPAR PORPHYRY
e) APLITE DYKES
f) GRANODIORITE – EQUIGRANULAR

4) BASIC INTRUSIVES (U. DEV.–L. MISS.)

a) ANDESITIC DYKES & SILLS

3) KECHIKA GROUP (M. CAMB.–M. ORDOV.)
2) ATAN GROUP (L. CAMB.)
1) GOODHOPE GROUP (PROTEROZOIC)

LIMESTONES
a) MASSIVE & WEAKLY BANDED LIMESTONE/MARBLE
b) MOTTLED & ZEBRA-TEXTURED LIMESTONE/MARBLE
c) GRAPHITIC BANDED LIMESTONE/MARBLE
d) GRANULAR RECRYSTALLIZED LIMESTONE
e) SKARNIFIED LIMESTONE (CONTAINS CALC-SILICATE BANDS)

DOLOMITE
f) MOTTLED & ZEBRA-TEXTURED DOLOMITE
g) MASSIVE & WEAKLY BANDED DOLOMITE

HORNFELS
h) BIOTITE (ARGILLACEOUS)
i) CORDIERITE
j) CHLORITE
k) SERICITE
m) QUARTZ (QUARTZIFIC SILTSTONE)
n) FERRUGINOUS

part 2 of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,150

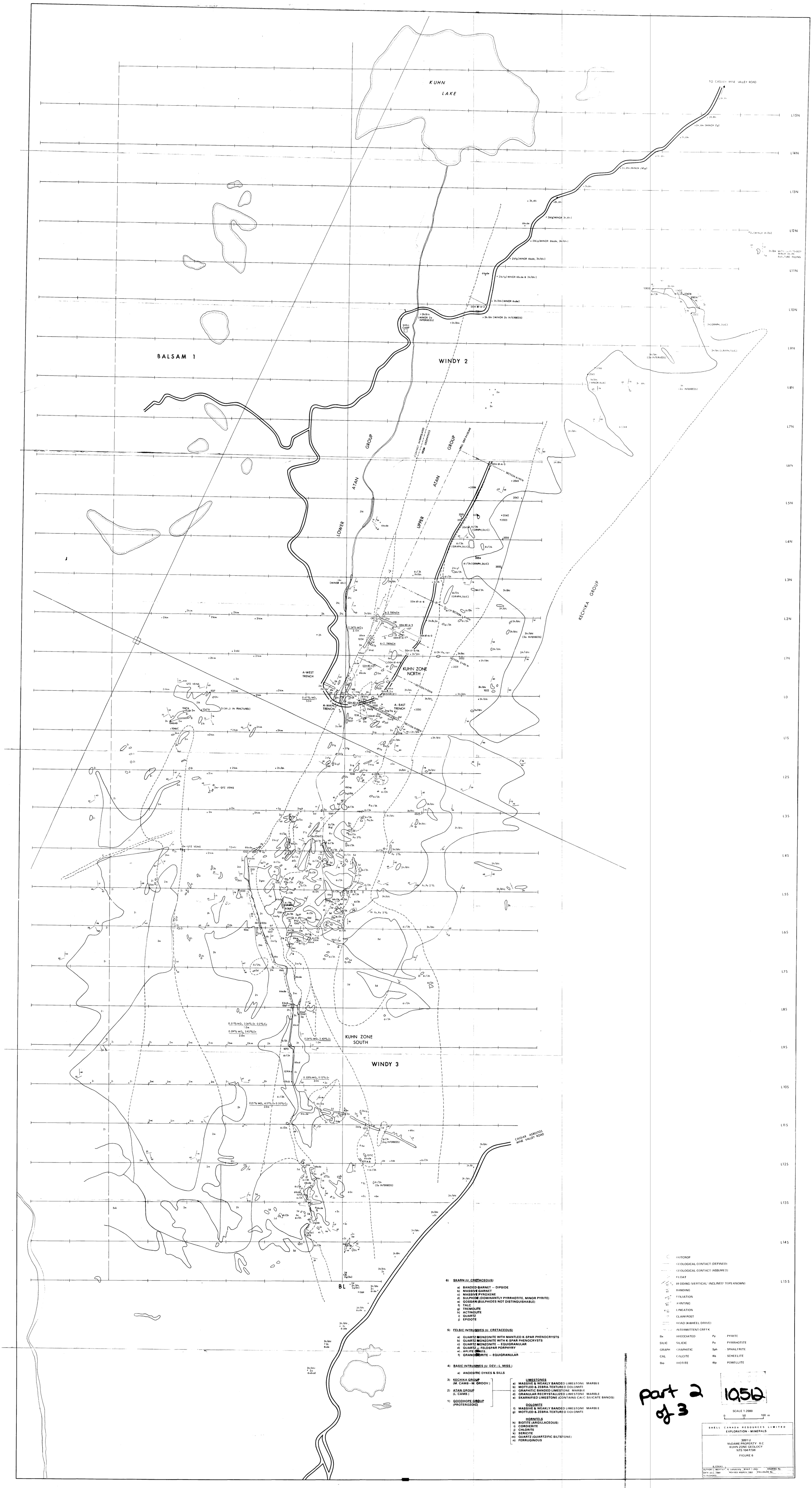
SCALE 1:200
0 5 10 m

SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3091 U
McDAME PROPERTY - B.C.
DEAD GOAT ZONE
DRILL SECTION 2+65 S
DDH 3091 U-80-B-4

NTS 104P/5W
FIG. 17

AUTHOR G. MOFFAT | SCALE 1:200 | DRAWING No. 3C0198-A
DATE DEC. 1980 | REVISED: | ENCLOSURE No.
To Accompany



6) **SKARN (U. CRETACEOUS)**

a) BANDED GARNET — DIPSIDE
b) MASSIVE GARNET
c) MASSIVE PYROXENE
d) SULPHIDE (DOMINANTLY PYRRHOTITE, MINOR PYRITE)
e) GOSSAN (SULPHIDES NOT DISTINGUISHABLE)
f) TALC
g) TREMOLITE
h) ACTINOLITE
i) QUARTZ
j) EPIDOTE

5) **FELSIC INTRUSIVES (U. CRETACEOUS)**

a) QUARTZ MONZONITE WITH MANTLED K-SPAR PHENOCRYSTS
b) QUARTZ MONZONITE WITH K-SPAR PHENOCRYSTS
c) QUARTZ MONZONITE — EQUIGRANULAR
d) QUARTZ — FELDSPAR PORPHYRY
e) APLITE DIKES
f) GRANODIORITE — EQUIGRANULAR

4) **BASIC INTRUSIVES (U. DEV—L. MISS.)**

a) ANDESITIC DYKES & SILLS

3) **KECHIKA GROUP** (M. CAMB—M. ORDOV.)

2) **ATAN GROUP** (L. CAMB.)

1) **GOODHOPE GROUP** (PROTEROZOIC)

LIMESTONES

a) MASSIVE & WEAKLY BANDED LIMESTONE MARBLE
b) MOTTLED & ZEBRA-TEXTURED DOLOMITE
c) GRAPHITIC BANDED LIMESTONE MARBLE
d) GRANULAR RECRYSTALLIZED LIMESTONE MARBLE
e) SKARNIFIED LIMESTONE (CONTAINS CALC SILICATE BANDS)

DOLOMITE

f) MASSIVE & WEAKLY BANDED LIMESTONE MARBLE
g) MOTTLED & ZEBRA-TEXTURED DOLOMITE

HORNFELS

h) BIOTITE (ARGILLACEOUS)
i) CORDIERITE
j) CHLORITE
k) SERICITE
m) QUARTZ (QUARTZIFIC SILTSTONE)
n) FERRUGINOUS

OUTCROP
GEOLOGICAL CONTACT (DEFINED)
GEOLOGICAL CONTACT (ASSUMED)
FLOAT
BEDDING (VERTICAL, INCLINED, TOPS KNOWN)
BANDING
FOLIATION
JOINTING
LINEATION
CLAIM POST
ROAD (4 WHEEL DRIVE)
INTERMITTENT CREEK

Bx	BRECCIATED	Py	PYRITE
SILIC	SILICIC	Po	PYRRHOTITE
GRAPH	GRAPHITIC	Sph	SPHALERITE
CAL	CALCITE	Ws	SCHEELITE
Bio	BIOTITE	Wp	POWELLITE

part 2 of 3

10,562

SCALE 1:2000

0 50 100 m

SHELL CANADA RESOURCES LIMITED
EXPLORATION – MINERALS

3091 U
McDAME PROPERTY - B.C
KUHN ZONE GEOLOGY
NTS 104 P/5W

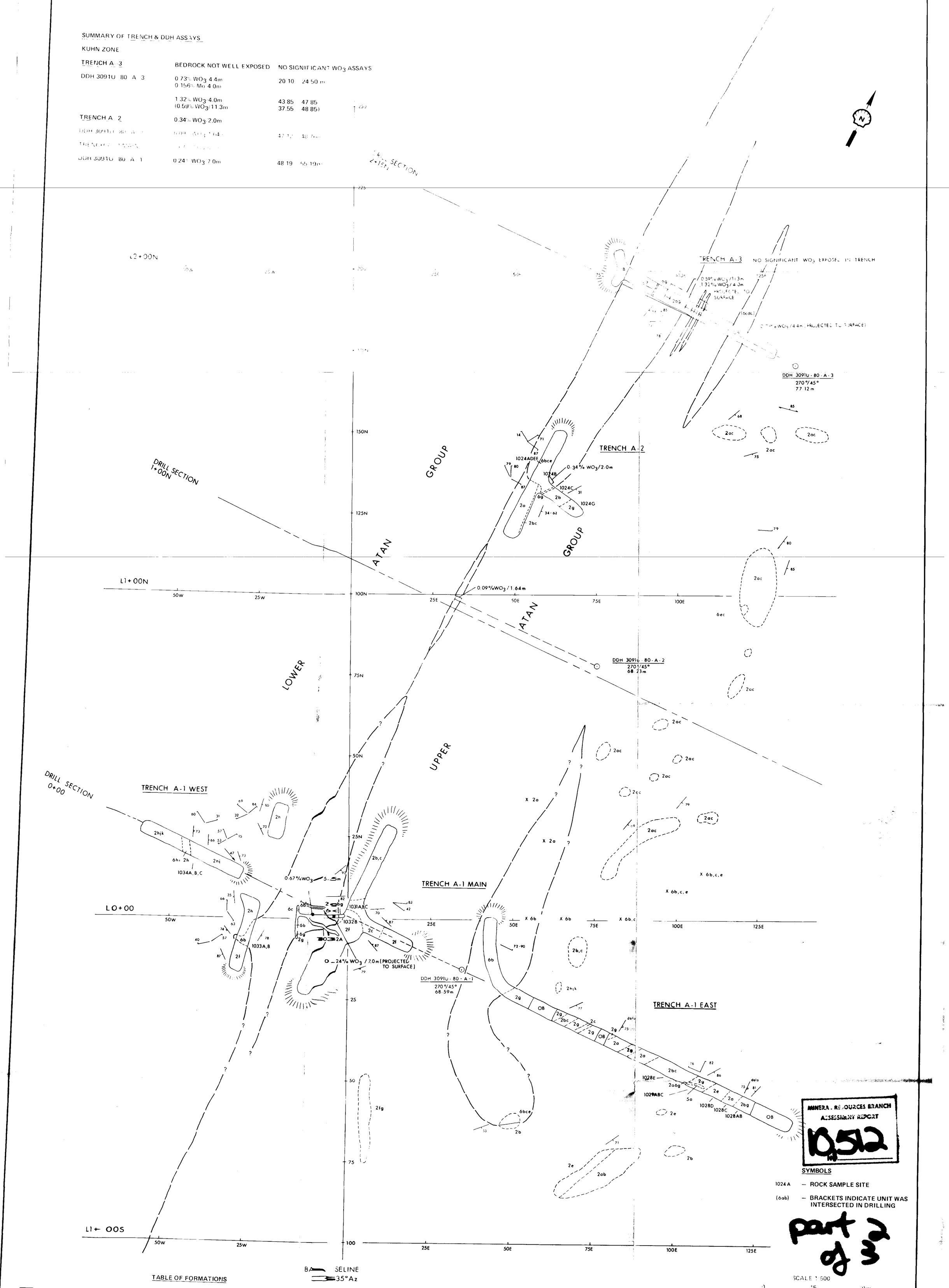
FIGURE 6

B. COOKS
AUTHOR G. MOFFAT M. SANBORN SCALE 1:2000 DRAWING No.
DATE DEC. 1980 REVISED MARCH 1982 ENCLOSURE No.
To Accompany

SUMMARY OF TRENCH & DDH ASSAYS

KUHN ZONE

TRENCH A-3	BEDROCK NOT WELL EXPOSED	NO SIGNIFICANT WO_3 ASSAYS	
DDH 3091U 80 A 3	0.73% WO_3 4.4m 0.156% Mo 4.0m	20.10 24.50 m	
	1.32% WO_3/4.0m (0.59% WO_3/11.3m)	43.85 47.85 37.55 48.85)	
TRENCH A 2	0.34% WO_3/2.0m		
DDH 3091U 80 A 2	0.09% WO_3/1.64m	47.12 48.76m	
TRENCH A 1 WEST	[illegible]		
DDH 3091U 80 A 1	0.24% WO_3/7.0m	48.19 55.19m	



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,512

SYMBOLS

1024A – ROCK SAMPLE SITE

(6ab) – BRACKETS INDICATE UNIT WAS INTERSECTED IN DRILLING

part 2 of 3

TABLE OF FORMATIONS

6 SKARN (UPPER CRETACEOUS)

a) Banded Garnet - Diopside
b) Massive Garnet
c) Massive Pyroxene
d) Sulphide (dominantly Pyrrhotite, minor Pyrite)
e) Gossan
f) Talc
g) Tremolite
h) Actinolite
i) Quartz
j) Epidote
k) Wollastonite

3 KECHIKA GROUP (MIDDLE CAMBRIAN – MIDDLE ORDOVICIAN)

2 ATAN GROUP (LOWER CAMBRIAN)

1 GOODHOPE GROUP (PROTEROZOIC – LOWER CAMBRIAN)

LIMESTONES

a) Massive & weakly banded Limestone/Marble.
b) Mottled & Zebra-textured Limestone/Marble.
c) Graphitic banded Limestone/Marble.
d) Granular recrystallized Limestone.
e) Skarnified Limestone (contains calc-silicate bands).

DOLOMITES

f) Mottled & Zebra-textured Dolomite
g) Massive to weakly banded Dolomite.

HORNFELS

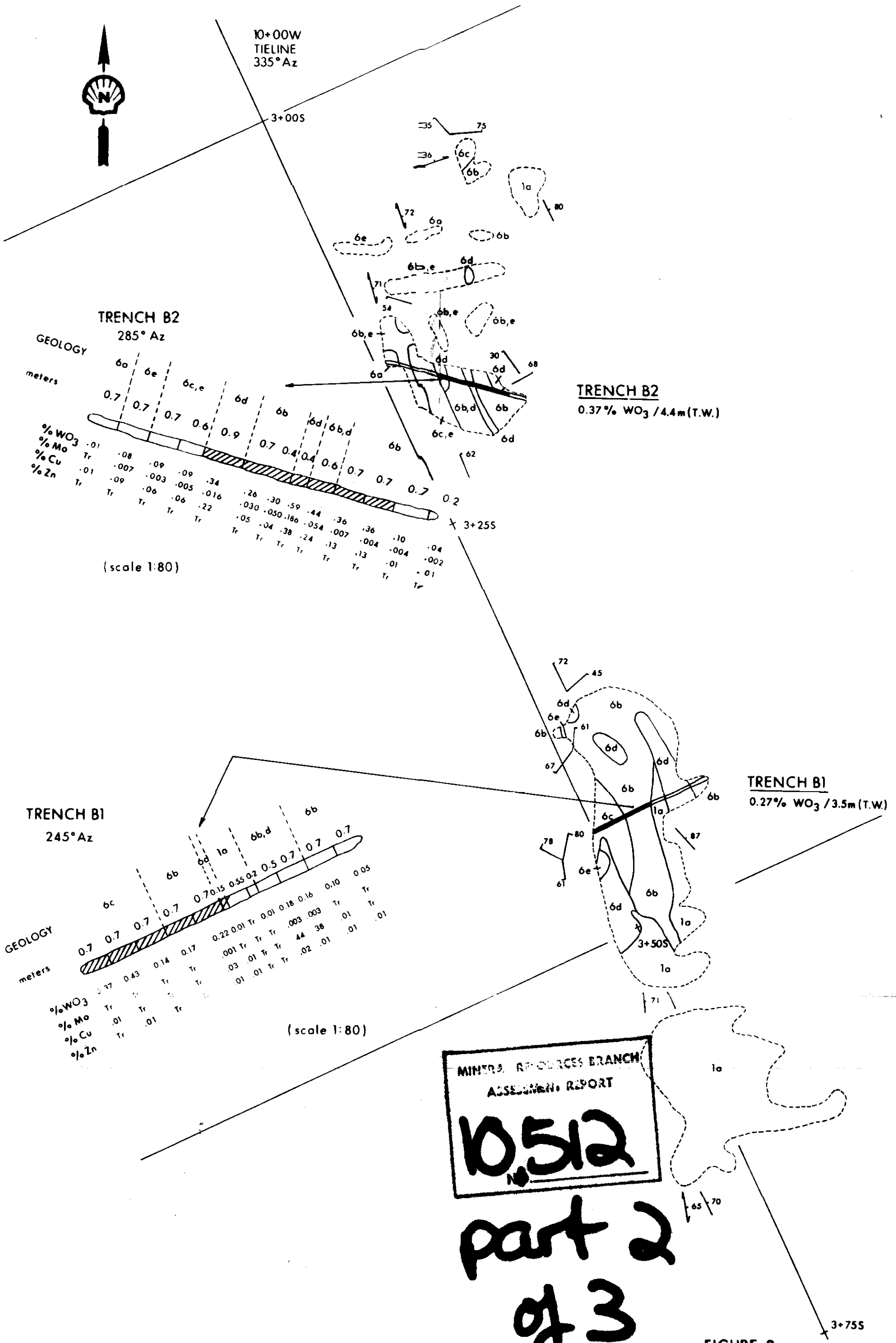
h) Biotite (Argillaceous)
i) Cordierite
j) Chlorite
k) Sericite
m) Quartz (Quartzitic Siltstone)
n) Ferruginous

FIGURE 7

SHELL CANADA RESOURCES LIMITED
EXPLORATION – MINERALS

3091U
DETAILED GEOLOGY AND DRILL PLAN
KUHN ZONE
McDAME PROPERTY
NTS 104 P/5W

AUTHOR G. MOFFAT | SCALE 1:500 | DRAWING No. VB-98
DATE OCTOBER, 1980 | REVISED: | ENCLOSURE No.
To Accompany



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
No. 10,512
part 2
of 3

FIGURE 9

LEGEND

1a	MASSIVE LIMESTONE (GOODHOPE GP.)
6a	BANDED GARNET - DIOPSIDE SKARN
6b	GARNET SKARN
6c	DIOPSIDE SKARN
6d	SULPHIDE SKARN (dominantly pyrrhotite)
6e	GOSSAN

SHELL CANADA RESOURCES LIMITED
EXPLORATION – MINERALS

3091U
TRENCH PLAN
DEAD GOAT ZONE
McDAME PROJECT
NTS 104 P/5W

AUTHOR G.W. MOFFAT | SCALE 1:200 | DRAWING No. VC098-C
DATE OCT 1980 | REVISED | ENCLOSURE No.
To Accompany

LITHOLOGIES & MINERALS

ACT	ACTINOLITE
AND	ANDESITE
BIO	BIOTITE
CALC	CALCITE
CALC-SILIC	CALC-SILICATE
CHLOR	CHLORITE
CORD	CORDERITE
DIOP	DIOPSIDE
DOLO	DOLOMITE
EPID	EPIDOTE
GARN	GARNET
GRAPH	GRAPHITE
HFLS	HORNFELS
MAG	MAGNETITE
MBLE	MARBLE
QTZ	QUARTZ
QTZITE	QUARTZITE
Po	PYRRHOTITE
Py	PYRITE
SK	SKARN
SPH	SPHALERITE
TREM	TREMOLITE

ABBREVIATIONS

B - BROWN	BND	BANDED
G - GREY	BX	BRECCIATED
W - WHITE	LT	LIGHT
	MOT	MOTTLED
	MS	MASSIVE
	SUC	SUCROSIC
	WK	WEAKLY
	ZEB	ZEBRA BANDING

part 2 of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,512
NO.

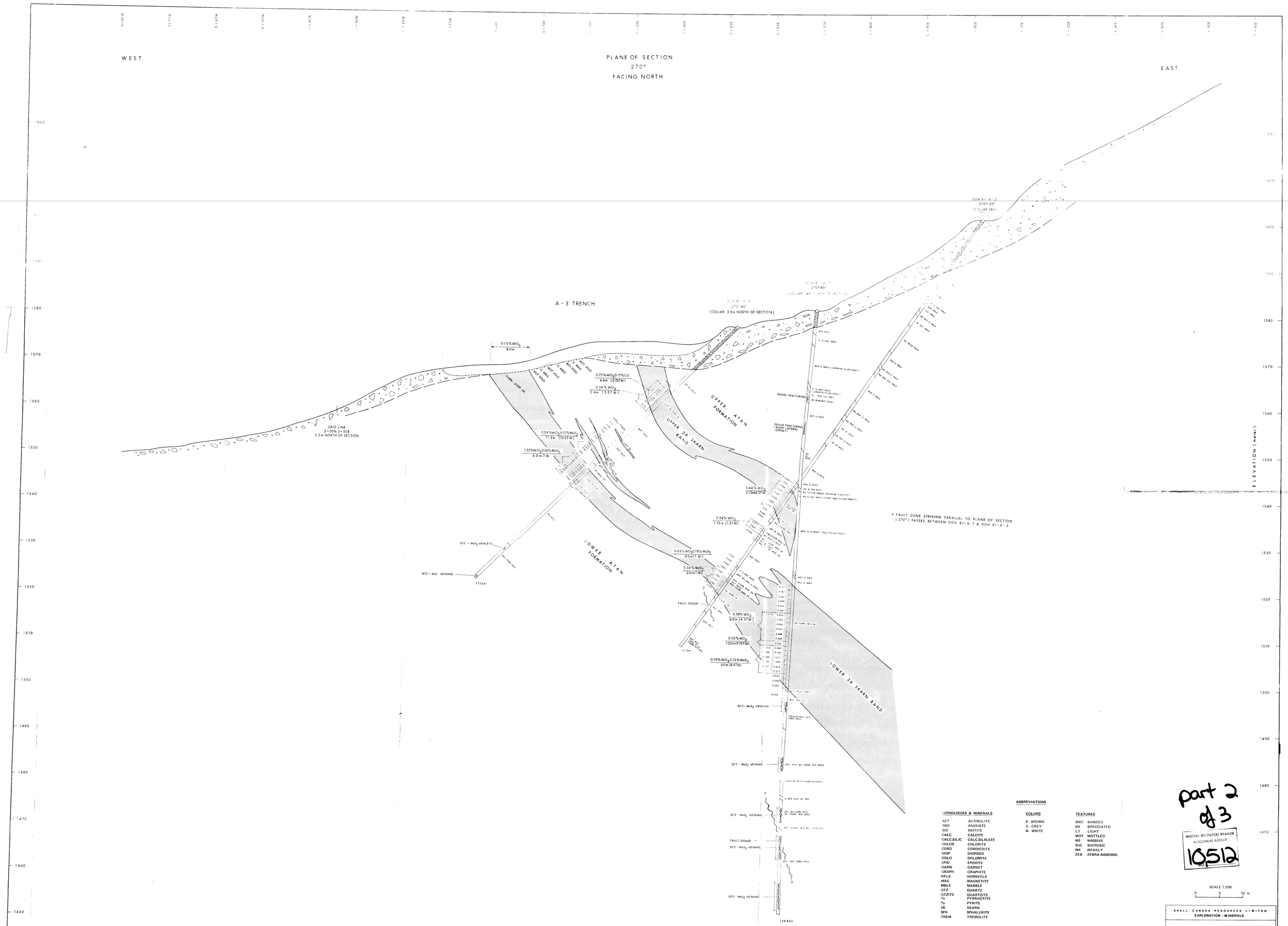
SCALE = 1 : 200
0 5 10m

SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3191 U
McDAME PROJECT, B.C.
KUHN ZONE NORTH
DRILL SECTION 1+62 N
PLANE OF SECTION 270°
FACING NORTH

FIG. 12

AUTHOR: G. MOFFAT		SCALE 1 : 200	DRAWING No.
DATE AUG 81	REVISED:	ENCLOSURE No.	
To Accompany			



* FAULT ZONE STRIKING PARALLEL TO PLANE OF SECTION (270°) PASSES BETWEEN DDH 81-A-7 & DDH 81-A-3

ABBREVIATIONS

LITHOLOGIES & MINERALS

ACT	ACTINOLITE
AND	ANDESITE
BIO	BIOTITE
CALC	CALCITE
CALC-SILIC	CALC-SILICATE
CHLOR	CHLORITE
CORD	CORDIERITE
DIOP	DIOPSIDE
DOLO	DOLOMITE
EPID	EPIDOTE
GARN	GARNET
GRAPH	GRAPHITE
HFLS	HORNFELS
MAG	MAGNETITE
MBLE	MARBLE
QTZ	QUARTZ
QTZITE	QUARTZITE
Po	PYRRHOTITE
Py	PYRITE
SK	SKARN
SPH	SPHALERITE
TREM	TREMOLITE

COLORS

B - BROWN	
G - GREY	
W - WHITE	

TEXTURES

BND	BANDED
BX	BRECCIATED
LT	LIGHT
MOT	MOTTLED
MS	MASSIVE
SUC	SUCROSIC
WK	WEAKLY
ZEB	ZEBRA BANDING

part 2 of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 10512

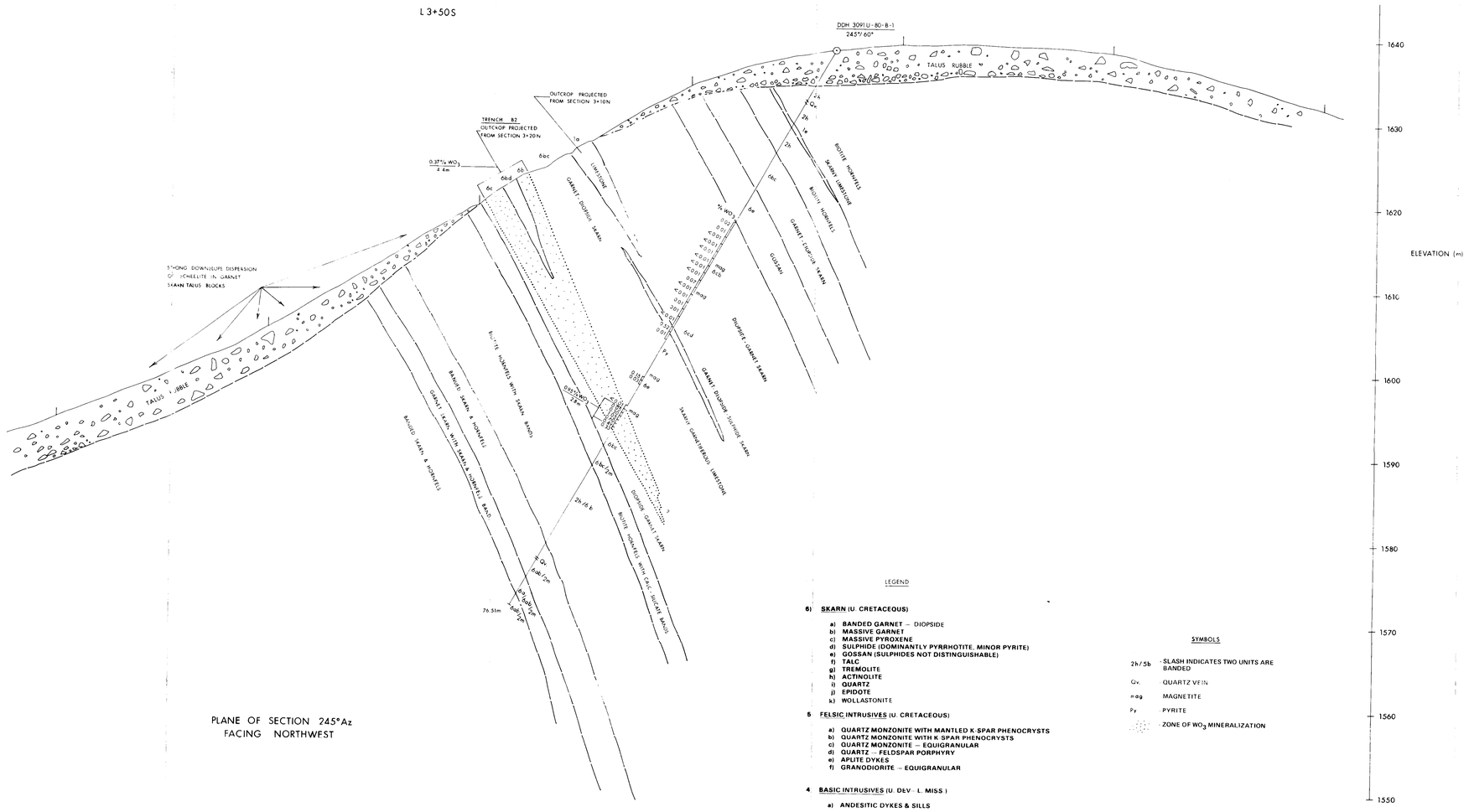
SCALE 1:200
0 5 10 m

SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3191 U
McDAME PROJECT - B.C.
KUHN ZONE NORTH
DRILL SECTION 2+00 N
PLANE OF SECTION 270°
FACING NORTH

FIG. 13

AUTHOR: G. MOFFAT	SCALE: 1:200	DRAWING No. UC-SR-A	
DATE: AUG. 81	REVISED:	ENCLOSURE No.	
To Accompany			



PLANE OF SECTION 245°Az
FACING NORTHWEST

LEGEND

6) **SKARN** (U. CRETACEOUS)

- a) BANDED GARNET – DIOPSIDE
- b) MASSIVE GARNET
- c) MASSIVE PYROXENE
- d) SULPHIDE (DOMINANTLY PYRRHOTITE, MINOR PYRITE)
- e) GOSSAN (SULPHIDES NOT DISTINGUISHABLE)
- f) TALC
- g) TREMOLITE
- h) ACTINOLITE
- i) QUARTZ
- j) EPIDOTE
- k) WOLLASTONITE

5 FELSIC INTRUSIVES (U. CRETACEOUS)

- a) QUARTZ MONZONITE WITH MANTLED K-SPAR PHENOCRYSTS
- b) QUARTZ MONZONITE WITH K-SPAR PHENOCRYSTS
- c) QUARTZ MONZONITE – EQUIGRANULAR
- d) QUARTZ – FELDSPAR PORPHYRY
- e) APLITE DYKES
- f) GRANODIORITE – EQUIGRANULAR

4. BASIC INTRUSIVES (U. DEV - L. MISS.)

- a) ANDESITIC DYKES & SILLS

3. KECHIKA GROUP (M. CAMB – M. ORDOV.)
2. ATAN GROUP (L. CAMB.)
1. GOODHOPE GROUP (PROTEROZOIC)

LIMESTONES
- a) MASSIVE & WEAKLY BANDED LIMESTONE/MARBLE
- b) MOTTLED & ZEBRA-TEXTURED LIMESTONE/MARBLE
- c) GRAPHITIC BANDED LIMESTONE/MARBLE
- d) GRANULAR RECRYSTALLIZED LIMESTONE
- e) SKARNIFIED LIMESTONE (CONTAINS CALC-SILICATE BANDS)

DOLOMITE
- f) MOTTLED & ZEBRA-TEXTURED DOLOMITE
- g) MASSIVE & WEAKLY BANDED DOLOMITE

HORNFELS
- h) BIOTITE (ARGILLACEOUS)
- i) CORDIERITE
- j) CHLORITE
- k) SERICITE
- m) QUARTZ (QUARTZITIC SILTSTONE)
- n) FERRUGINOUS

SYMBOLS

2h/5b	SLASH INDICATES TWO UNITS ARE BANDED
Qv.	QUARTZ VEIN
mag	MAGNETITE
Py	PYRITE
	ZONE OF WO_3 MINERALIZATION

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

[redacted]

SCALE 1:200
0 5 10m

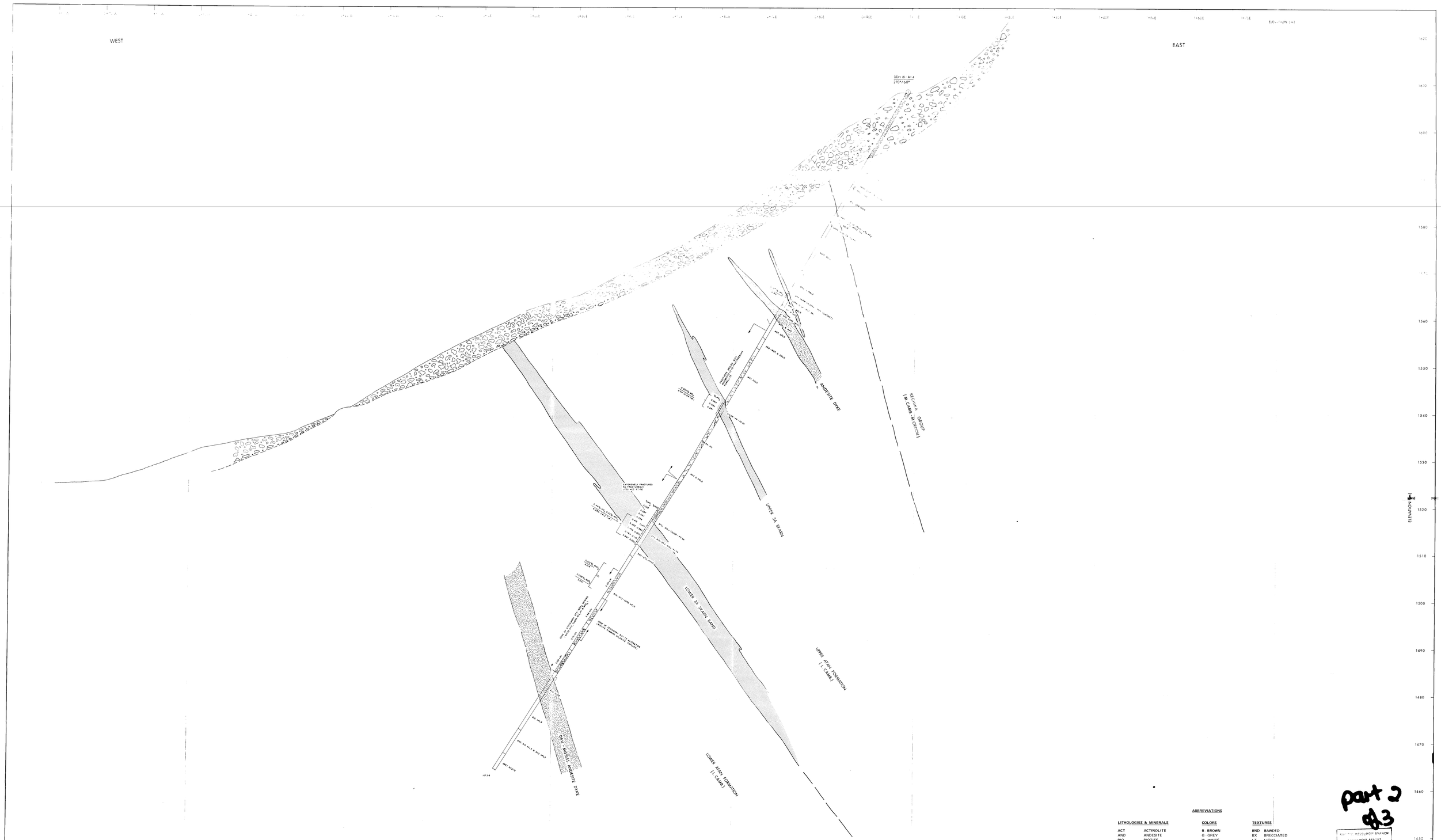
SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3091U
McDAME PROPERTY - B.C.
DEAD GOAT ZONE
DRILL SECTION 3+25 S
DDH 3091U-80-8-1

NTS 104P/5W

FIG. 18

AUTHOR G. MOFFAT		SCALE 1:200		DRAWING No. VC-018
DATE DEC 1980	REVISED		ENCLOSURE No.	
To Accompany				



NOTE : v/m MEANS VEINLETS / METER

ABBREVIATIONS

LITHOLOGIES & MINERALS		COLORS		TEXTURES	
ACT	ACTINOLITE	B - BROWN		BND	BANDED
AND	ANDESITE	G - GREY		BX	BRECCIATED
BIO	BIOTITE	W - WHITE		LT	LIGHT
CALC	CALCITE			MOT	MOTTLED
CALC-SILIC	CALC-SILICATE			MS	MASSIVE
CHLOR	CHLORITE			SUC	SUCROSIC
CORD	CORDIERITE			WK	WEAKLY
DIOP	DIOPSIDE			ZEB	ZEBRA BANDING
DOLO	DOLOMITE				
EPID	EPIDOTE				
GARN	GARNET				
GRAPH	GRAPHITE				
HFLS	HORNFELS				
MAG	MAGNETITE				
MBLE	MARBLE				
QTZ	QUARTZ				
QTZITE	QUARTZITE				
Po	PYRRHOTITE				
Py	PYRITE				
SK	SKARN				
SPH	SPHALERITE				
TREM	TREMOLITE				

part 2
of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,512
NO.

SCALE 1:200

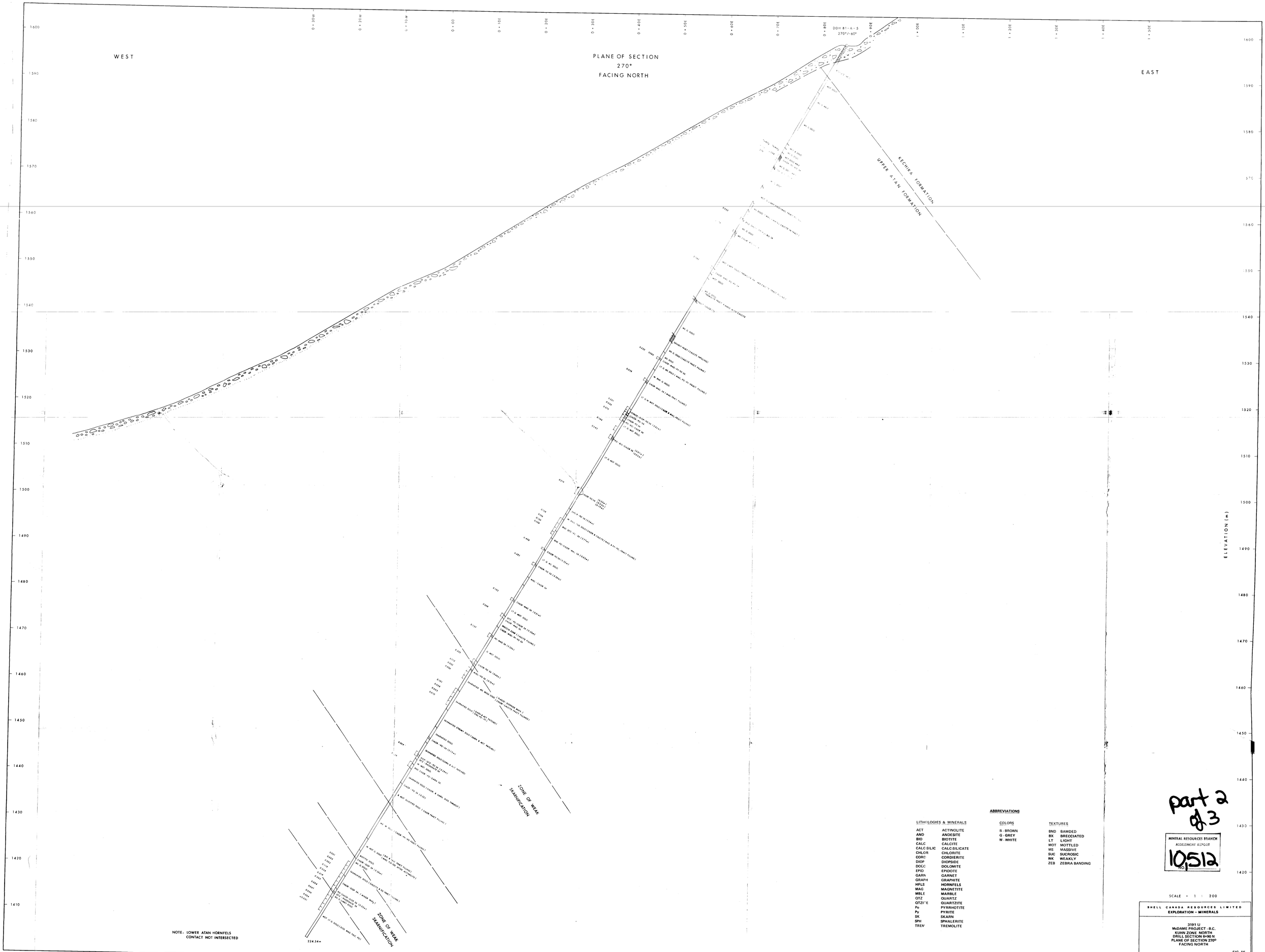
0 5 10 m

SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3191 U
McDAME PROJECT, B.C.
KUHN ZONE NORTH
DRILL SECTION 3+10 N
PLANE OF SECTION 270°
FACING NORTH

FIG. 14

AUTHOR: C. MOFFAT		SCALE: 1:200	DRAWING No. 3-2
DATE: AUGUST 1981	REVISED:		ENCLOSURE No.
To Accompany			



NOTE: LOWER ATAN HORNFELS CONTACT NOT INTERSECTED

ABBREVIATIONS

LITHOLOGIES & MINERALS		COLORS	TEXTURES	
ACT	ACTINOLITE	B - BROWN	BND	BANDED
AND	ANDESITE	G - GREY	BX	BRECCIATED
BIO	BIOTITE	W - WHITE	LT	LIGHT
CALC	CALCITE		MOT	MOTTLED
CALC-SILIC	CALC-SILICATE		MS	MASSIVE
CHLOR	CHLORITE		SUC	SUCROSIC
CORD	CORDIERITE		WK	WEAKLY
DIOP	DIOPSIDE		ZEB	ZEBRA BANDING
DOLC	DOLOMITE			
EPID	EPIDOTE			
GARN	GARNET			
GRAPH	GRAPHITE			
HFLS	HORNFELS			
MAG	MAGNETITE			
MBLE	MARBLE			
QTZ	QUARTZ			
QTZITE	QUARTZITE			
Po	PYRRHOTITE			
Py	PYRITE			
SK	SKARN			
SPH	SPHALERITE			
TREM	TREMOLITE			

part 2 of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 10,512

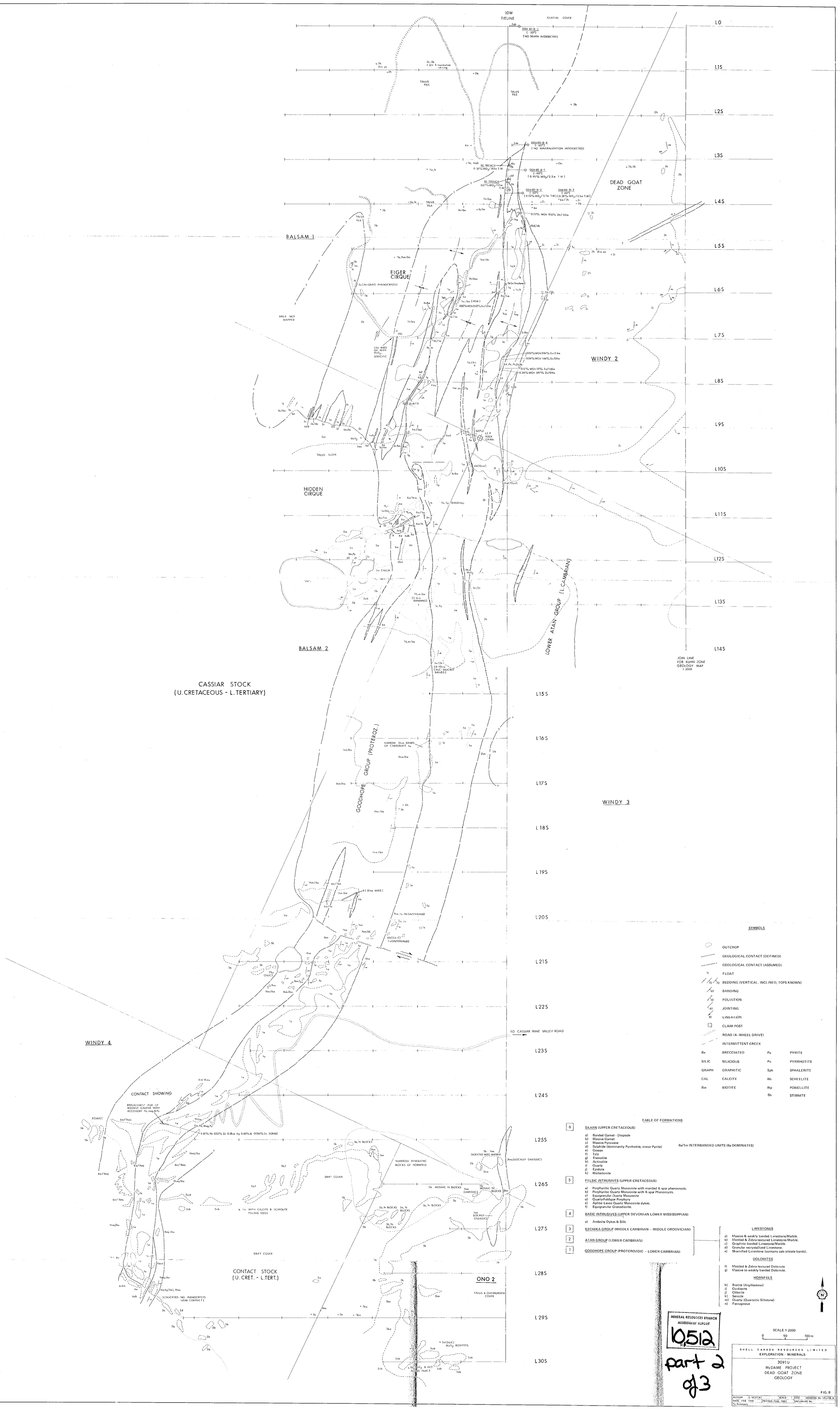
SCALE = 1 : 200

SHELL CANADA RESOURCES LIMITED
EXPLORATION – MINERALS

3191 U
McDAME PROJECT - B.C.
KUHN ZONE NORTH
DRILL SECTION 6+90 N
PLANE OF SECTION 270°
FACING NORTH

FIG. 15

AUTHOR: G. MOFFAT | SCALE: 1 : 200 | DRAWING No: U. 15
DATE: AUG. 81 | REVISED: | ENCLOSURE No.:
To Accompany:


10W TIELINE
GLACIAL COVER
DDH 81-B-1 (-50°) (NO SKARN INTERSECTED)
DDH 80-B-4 (-60°) (NO MINERALIZATION INTERSECTED)
DDH 80-B-1 (-60°) (0.95% WO3/2.5m T.W.)
DDH 80-B-2 (-60°) (0.53% WO3/5.7m T.W.)
DDH 80-B-3 (-60°) (0.39% WO3/3.5m T.W.)
B2 TRENCH 0.32% WO3/4.4m T.W.
B1 TRENCH 0.27% WO3/3.5m T.W.
0.23% WO3 0.12% Zn/30m
TALUS PILE
DEAD GOAT ZONE
BALSAM 1
EIGER CIRQUE
AREA NOT MAPPED
WINDY 2
HIDDEN CIRQUE
BALSAM 2
LOWER ATAN GROUP (L. CAMBRIAN)
GOODHOPE GROUP (PROTEROZ.)
WINDY 3
WINDY 4
CONTACT SHOWING
CONTACT STOCK (U. CRET. - L. TERT.)
ONO 2
CASSIAR STOCK (U. CRETACEOUS - L. TERTIARY)
TO CASSIAR MINE VALLEY ROAD
JOIN LINE FOR KUHN ZONE GEOLOGY MAP 1:2000
L0
L1S
L2S
L3S
L4S
L5S
L6S
L7S
L8S
L9S
L10S
L11S
L12S
L13S
L14S
L15S
L16S
L17S
L18S
L19S
L20S
L21S
L22S
L23S
L24S
L25S
L26S
L27S
L28S
L29S
L30S
SYMBOLS
OUTCROP
GEOLOGICAL CONTACT (DEFINED)
GEOLOGICAL CONTACT (ASSUMED)
FLOAT
BEDDING (VERTICAL, INCLINED, TOPS KNOWN)
BANDING
FOLIATION
JOINTING
LINEATION
CLAIM POST
ROAD (4-WHEEL DRIVE)
INTERMITTENT CREEK
Bx BRECCIATED
SILIC SILICIOUS
GRAPH GRAPHITIC
CAL CALCITE
Bio BIOTITE
Py PYRITE
Po PYRRHOTITE
Sph SPHALERITE
Ws SCHEELITE
Wp POWELLITE
Sb STIBNITE
TABLE OF FORMATIONS
6 SKARN (UPPER CRETACEOUS)
a) Banded Garnet - Diopside
b) Massive Garnet
c) Massive Pyroxene
d) Sulphide (dominantly Pyrrhotite, minor Pyrite)
e) Gossan
f) Talc
g) Tremolite
h) Actinolite
i) Quartz
j) Epidote
k) Wollastonite
6a/1m INTERBANDED UNITS (6a DOMINATES)
5 FELSIC INTRUSIVES (UPPER CRETACEOUS)
a) Porphyritic Quartz Monzonite with mantled K-spar phenocrysts.
b) Porphyritic Quartz Monzonite with K-spar Phenocrysts.
c) Equigranular Quartz Monzonite
d) Quartz Feldspar Porphyry
e) Aplitic Levco Quartz Monzonite dykes.
f) Equigranular Granodiorite.
4 BASIC INTRUSIVES (UPPER DEVONIAN LOWER MISSISSIPPIAN)
a) Andesite Dykes & Sills
3 KECHIKA GROUP (MIDDLE CAMBRIAN – MIDDLE ORDOVICIAN)
2 ATAN GROUP (LOWER CAMBRIAN)
1 GOODHOPE GROUP (PROTEROZOIC – LOWER CAMBRIAN)
LIMESTONES
a) Massive & weakly banded Limestone/Marble.
b) Mottled & Zebra-textured Limestone/Marble.
c) Graphitic banded Limestone/Marble.
d) Granular recrystallized Limestone.
e) Skarnified Limestone (contains calc-silicate bands).
DOLOMITES
f) Mottled & Zebra-textured Dolomite
g) Massive to weakly banded Dolomite.
HORNFELS
h) Biotite (Argillaceous)
i) Cordierite
j) Chlorite
k) Sericite
m) Quartz (Quartzitic Siltstone)
n) Ferruginous
SCALE 1:2000
0 50 100m
MINERAL RESOURCES BRANCH ASSESSMENT REPORT 10,512
part 2 of 3
SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS
3091U
McDAME PROJECT
DEAD GOAT ZONE
GEOLOGY
FIG. 8
AUTHOR G. MOFFAT
SCALE: 1:2000
DRAWING No. VA-018.A
DATE FEB 1981
REVISED FEB. 1982
ENCLOSURE No.
To Accompany

ABBREVIATIONS

LITHOLOGIES & MINERALS		COLORS	TEXTURES	
ACT	ACTINOLITE	B - BROWN	BND	BANDED
AND	ANDESITE	G - GREY	BX	BRECCIATED
BIO	BIOTITE	W - WHITE	LT	LIGHT
CALC	CALCITE		MOT	MOTTLED
CALC-SILIC	CALC-SILICATE		MS	MASSIVE
CHLOR	CHLORITE		SUC	SUCROSIC
CORD	CORDIERITE		WK	WEAKLY
DIOP	DIOPSIDE		ZEB	ZEBRA BANDING
DOLO	DOLOMITE			
EPID	EPIDOTE			
GARN	GARNET			
GRAPH	GRAPHITE			
HFLS	HORNFELS			
MAG	MAGNETITE			
MBLE	MARBLE			
QTZ	QUARTZ			
QTZITE	QUARTZITE			
Po	PYRRHOTITE			
Py	PYRITE			
SK	SKARN			
SPH	SPHALERITE			
TREM	TREMOLITE			

part 2 of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 10,512

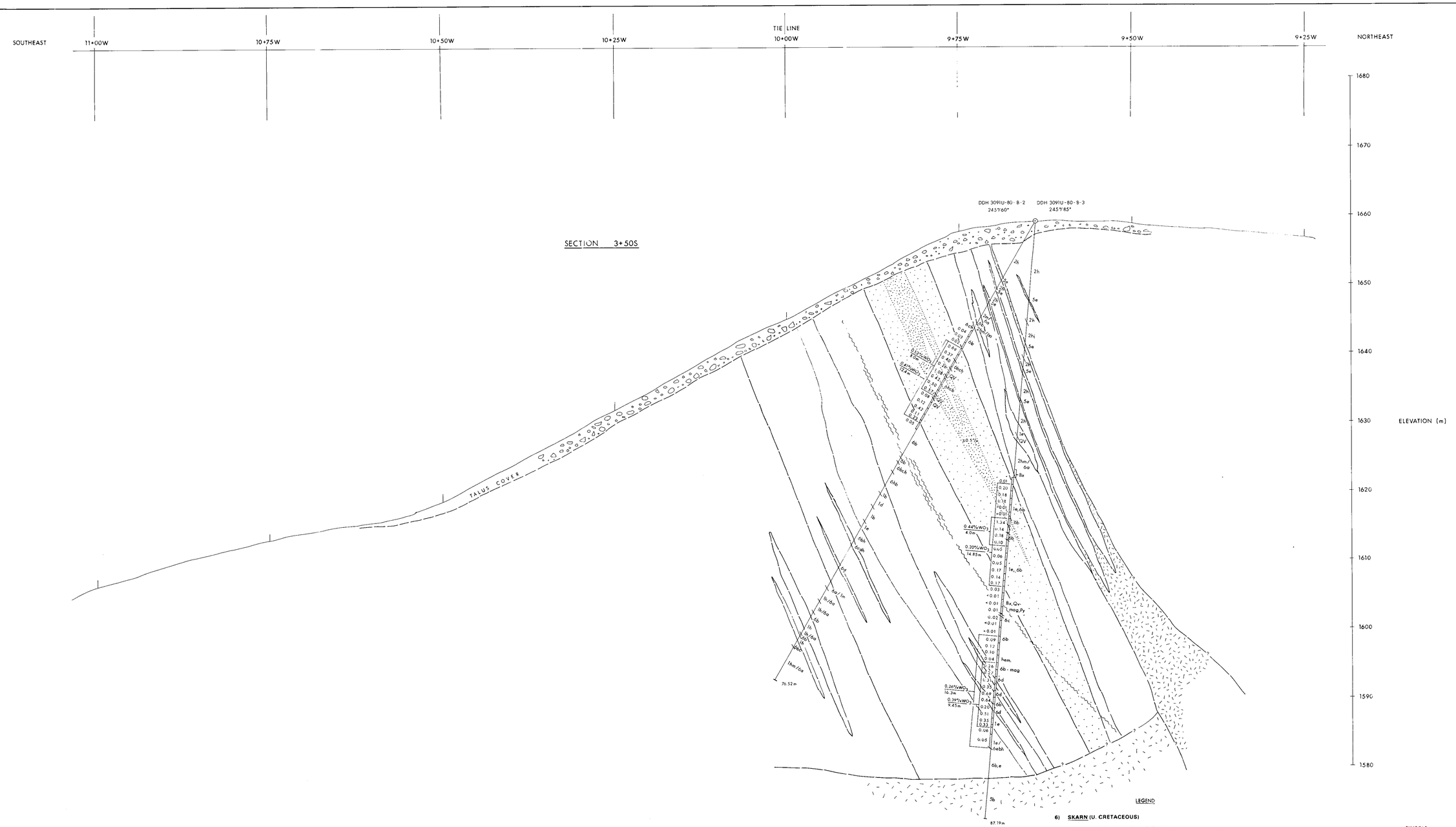
SCALE 1:200
0 5 10 m

SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3191 U
McDAME PROJECT - B.C.
KUHN ZONE NORTH
DRILL SECTION 0+00
PLANE OF SECTION 270°
FACING NORTH

FIG. 10

AUTHOR: G. MOFFAT	SCALE: 1:200	DRAWING No: IC (3) 2	
DATE: AUG. 83	REVISED:	ENCLOSURE No.:	
To Accompany			



PLANE OF SECTION 245°
FACING NORTHWEST

LEGEND

6) **SKARN** (U. CRETACEOUS)

- a) BANDED GARNET – DIOPSIDE
- b) MASSIVE GARNET
- c) MASSIVE PYROXENE
- d) SULPHIDE (DOMINANTLY PYRRHOTITE, MINOR PYRITE)
- e) GOSSAN (SULPHIDES NOT DISTINGUISHABLE)
- f) TALC
- g) TREMOLITE
- h) ACTINOLITE
- i) QUARTZ
- j) EPIDOTE
- k) WOLLASTONITE

5) **FELSIC INTRUSIVES** (U. CRETACEOUS)

- a) QUARTZ MONZONITE WITH MANTLED K-SPAR PHENOCRYSTS
- b) QUARTZ MONZONITE WITH K-SPAR PHENOCRYSTS
- c) QUARTZ MONZONITE – EQUIGRANULAR
- d) QUARTZ – FELDSPAR PORPHYRY
- e) APLITE DYKES
- f) GRANODIORITE – EQUIGRANULAR

4) **BASIC INTRUSIVES** (U. DEV – L. MISS.)

- a) ANDESITIC DYKES & SILLS

3) **KECHIKA GROUP** (M. CAMB – M. ORDOV.)

2) **ATAN GROUP** (L. CAMB.)

1) **GOODHOPE GROUP** (PROTEROZOIC)

LIMESTONES

- a) MASSIVE & WEAKLY BANDED LIMESTONE/MARBLE
- b) MOTTLED & ZEBRA-TEXTURED LIMESTONE/MARBLE
- c) GRAPHITIC BANDED LIMESTONE/MARBLE
- d) GRANULAR RECRYSTALLIZED LIMESTONE
- e) SKARNIFIED LIMESTONE (CONTAINS CALC-SILICATE BANDS)

DOLOMITE

- f) MOTTLED & ZEBRA-TEXTURED DOLOMITE
- g) MASSIVE & WEAKLY BANDED DOLOMITE

HORNFELS

- h) BIOTITE (ARGILLACEOUS)
- i) CORDIERITE
- j) CHLORITE
- k) SERICITE
- m) QUARTZ (QUARTZIFIC SILTSTONE)
- n) FERRUGINOUS

SYMBOLS

- 2+m/6a – SLASH INDICATES TWO UNITS ARE BANDED
- Qz. – QUARTZ VEIN
- mag – MAGNETITE
- Py – PYRITE
- Bx – BRECCIA
- ZONE OF WO_3 MINERALIZATION

part 2 of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,950

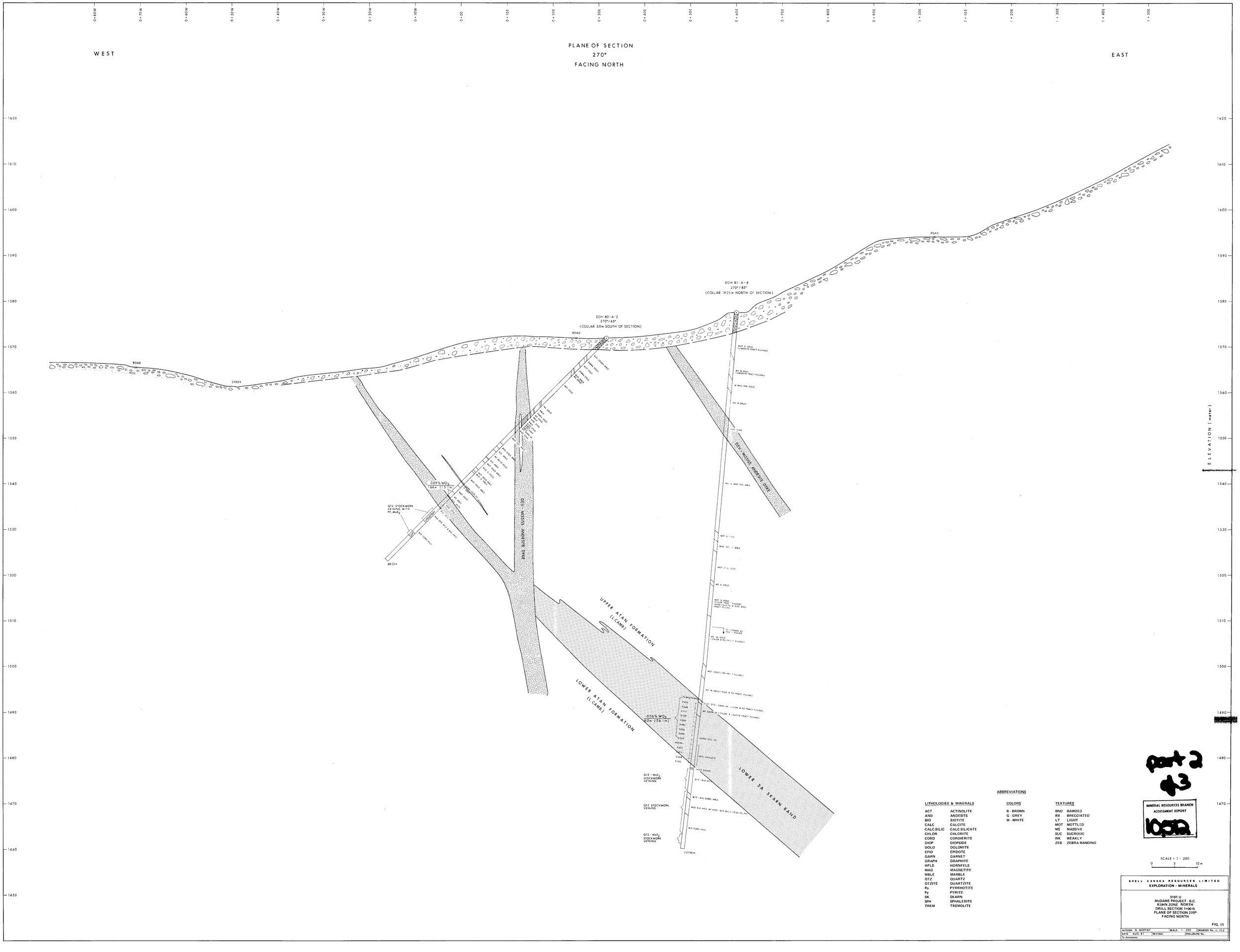
SCALE 1:200
0 5 10m

SHELL CANADA RESOURCES LIMITED
EXPLORATION – MINERALS

3091 U
McDAME PROPERTY - B.C.
DEAD GOAT ZONE
DRILL SECTION 3+75 S
DDH 3091U-80-B-2
DDH 3091U-80-B-3
NTS 104P/5W

FIG. 19

AUTHOR G. MOFFAT		SCALE 1:200	DRAWING No. VC0/5B.B.
DATE DEC. 1980	REVISED.	ENCLOSURE No.	
To Accompany			



ABBREVIATIONS

LITHOLOGIES & MINERALS

ACT	ACTINOLITE
AND	ANDESITE
BIO	BIOTITE
CALC	CALCITE
CALC-SILIC	CALC-SILICATE
CHLOR	CHLORITE
CORD	CORDIERITE
DIOP	DIOPSIDE
DOLO	DOLOMITE
EPID	EPIDOTE
GARN	GARNET
GRAPH	GRAPHITE
HFLS	HORNFELS
MAG	MAGNETITE
MBLE	MARBLE
QTZ	QUARTZ
QTZITE	QUARTZITE
Po	PYRRHOTITE
Py	PYRITE
SK	SKARN
SPH	SPHALERITE
TREM	TREMOLITE

COLORS

B - BROWN	
G - GREY	
W - WHITE	

TEXTURES

BND	BANDED
BX	BRECCIATED
LT	LIGHT
MOT	MOTTLED
MS	MASSIVE
SUC	SUCROSIC
WK	WEAKLY
ZEB	ZEBRA BANDING

part 2
of 3

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,924

SCALE 1 : 200
0 5 10 m

SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3191 U
McDAME PROJECT, B.C.
KUHN ZONE NORTH
DRILL SECTION 1+00 N
PLANE OF SECTION 270°
FACING NORTH

FIG. 11

AUTHOR: G. MOFFAT	SCALE: 1 : 200		DRAWING No: UC (17) B
DATE: AUG. 81	REVISED:	ENCLOSURE No:	
To Accompany			