



ABMINCO N.L.
CLEVELAND MINE

CATEGORY

M/E

HOLE No. : C1485 REF No 18567

GENERAL DATA

Objective : Mo - Bi - W VEINING

Area of Operation : 17 B SOUTH Location : CD SECTION

Collar R.L. : 128-097 Co-ordinates : 15333-606 N, 10811-306 E.

Bearing of Hole : 311° 14' 35" Angle of Hole : -74° 49' 25" Final Depth : 398 m

Drilling Commenced : 24-1-80 Completed : 29-2-80 Logged by :

DRILLING DATA

Drilled by : LONGYEAR Non Coring :

Drilling Rig : EMS 38 Coring : ND to 77.2 m : 88 to 86.0 m : ND to

Driller(s) : P. BELL, P. LEFTERUK, G. COOMBE

K. STEPHENSON, P. KAY, A. BLOORE, C. NEWMAN Core Recovery :

HOLE SURVEYS

HOLE No. : C 1485

MINES 24144

DIAMOND DRILL HOLE DATA

PROGRAM DATA				SURVEY DATA			INTERPOLATED DATA			
				Instrument Type	Depth	Dip	Azimuth	Depth	Dip	Azimuth
1	Attitude	—	(+) (-)	SURVEY	∅	-75	(311)	12½	-74	305
				CAMERA	30	-73.5	300½ (308.5)	37½	-73.5	299
2	Hole No.	1485			60	-73	300 (308)	62½	-73.5	300
					85	-74	302 (310)	87½	-74.5	301.5
3	Down Hole Interval	25			115	-73	296 (304)	112½	-73	296.5
					145	-73.5	292 (300)	137½	-73	293
4	Collar	15333.606	N		175	-74.5	287 (295)	162½	-74	289
					205	-75	281 (289)	187½	-74.5	284
5	Co-ords.	10811.306	E		235	-75	280 (288)	212½	-75	280
					265	-75	282 (290)	237½	-75	280
6	Collar R.L.	128.097			289	-73.5	284½ (292.5)	262½	-75.5	281.5
					340	-72	289 (287)	287½	-73.5	284.5
7	Halls Sect.	15392.230	N		318	-73	280 (288)	312½	-73	286.5
					397	-73.5	296 (284)	357½	-72	287
8	Intersect Point	10725.105	E					362½	-72.5	288.5
								387½	-73	286.5
9	Battery Sect.		N							
10	Intersect. Point	15310.738	E							
		10801.681								
11	Start Plot (Depth)	∅	∅ = Collar							

AUGUST 80 PRICES

WOLFRAMITE \$15000 / tonne (\$24,700 / tonne W)

~~MOLYBDENITE~~
MOLYBDENUM \$22700 / tonne.

W + Mo \$47400 / tonne

assume \$45 / tonne mining cost.

assume 60% recovery.

break-even is 0.16% (Mo+W)

1 tonne 0.2% (W+Mo)

\$95

\$57 after 60% recovery.

break-even

$$x \times .6 \times 47400 = 45$$

$$x = \frac{45}{.6 \times 47400}$$

$$= 0.0016$$

	% (W+Mo)	Profit / tonne
@	0.20	12
	0.25	26
	0.30	40
	0.35	55
	0.40	69

C1485

	% Mo	% WO ₃	% Bi	% S _w T	% C _w	CM Mo + WO ₃ + Bi + S _w T	WO ₃ % CM %
0-10	<.005	.016	.017	.02	.01	.05	32
10-20	<.005	.191	.014	.04	.02	.25	76
20-30	.010	.022	.006	.01	.01	.05	44
30-40	<.005	.018	.015	.02	.01	.05	36
40-50	.027	.072	.034	.03	.02	.16	45
50-60	.006	.050	.007	.03	.06	.07	56
60-70	<.005	.032	.012	.02	.01	.07	46
70-80	.016	.123	.019	.02	.01	.18	68
80-90	.010	.095	.020	.02	.01	.15	63
90-100	.006	.064	.028	.01	.01	.11	58
100-110	.032	.122	.027	.04	.03	.22	55
110-120	.013	.061	.011	.01	.01	.10	61
120-130	.073	.214	.026	.01	.01	.32	61
130-140	.019	.134	.022	.02	.02	.20	67
140-150	.015	.093	.012	.02	.02	.14	66
150-160	.011	.062	.009	.02	.02	.10	62
160-170	.010	.147	.014	.02	.02	.19	77
170-180	.009	.298	.021	.02	.03	.35	85
180-190	.013	.329	.019	.02	.02	.38	87
190-200	.059	.196	.016	.05	.04	.32	61
200-210	.018	.255	.018	.11	.07	.40	64
210-220	.019	.263	.014	.11	.03	.41	64
220-230	.013	.300	.010	.06	.06	.38	19
230-240	.013	.233	.011	.10	.04	.36	75
240-250	.009	.336	.008	.10	.04	.45	75
250-260	.007	.368	.006	.08	.04	.46	80
260-270	.007	.405	.011	.09	.04	.51	79
270-280	.005	.335	.011	.05	.03	.40	84
280-290	.011	.421	.012	.07	.04	.51	83
290-300	.007	.271	.008	.03	.03	.32	85
300-310	.011	.451	.015	.02	.03	.50	90
310-320	.039	.240	.025	.01	.02	.31	77
320-330	.051	.198	.026	.01	.02	.29	68
330-340	.016	.184	.035	.01	.02	.25	74
340-350	.012	.085	.020	.02	.02	.14	61
350-360	.006	.148	.031	.01	.01	.20	74
360-370	.017	.046	.016	.02	.03	.10	44

22 006

* TO CONVERT %W to %WO₃ FACTOR IS 1.261
 %Mo to %MoS₂ FACTOR IS 1.667
 %W to % (K₂Mo)WO₄ FACTOR IS 1.649

HOLE No.: C1485

SAMPLE DATA

SHEET No.: 1

LENS	SAMPLE No.	ROCK TYPE	Σ	INTERVAL		Length (L)	Assays (A)				Product (A-L)			
				From	To		% Snt	% Sns	% Cu	% Zn	% Mo	% WO₃	% Bi	Mo+WO ₃ +Bi
Mo-W	248277			0	2.5	2.5	.02	<.01	.01		<.005	.006	.003	.009
VEINING	248278			2.5	5.0		.01		.01		<.005	.009	.002	.011
	248279			5.0	7.5		.02		.01		<.005	.044	.058	.102
	248280			7.5	10.0		.02		.01		<.005	.005	.004	.009
	248281			10.0	12.5		.01		.01		<.005	.008	.005	.013
	248282			12.5	15.0		.02		.01		<.005	.007	.005	.012
	248283			15.0	17.5		.11		.02		<.005	.697	.040	.737
	248284			17.5	20.0		.02		.02		.005	.053	.007	.065
	248285			20.0	22.5		.01		.01		<.005	.011	.005	.016
	248286			22.5	25.0	2.5	.01		.01		<.005	.047	.005	.052
	248287			25.0	27.2	2.2	.01		.01		.038	.019	.008	.065
	248288			27.2	30.0	2.8	.01		.01		<.005	.011	.005	.016
	248289			30.0	32.5	2.5	.02		.02		<.005	.021	.007	.028
	248290			32.5	35.0	2.5	.02		.01		<.005	.025	.013	.038
	248291			35.0	37.5	2.5	.01		.01		<.005	.010	.006	.016
	248292			37.5	40.0	2.5	.01		.01		.010	.016	.034	.060
	248293			40.0	42.5	2.5	.02		.02		.010	.116	.061	.187
	248251			42.5	45.0	2.5	.02		.01		.090	.065	.054	.209
	248252			45.0	47.5	2.5	.03	<.01	.02		.005	.053	.017	.075

NWFS

HOLE No.: C 1485

SAMPLE DATA

LENS	SAMPLE No.	ROCK TYPE	Σ	INTERVAL		Length (L)	Assays (A)				Assays (A)			
				From	To		% Snt	% Sns	% Cu	% Zn	% Mo	% WO ₃	% Bi	Mo + WO ₃ + Bi
	248253			47.5	50.0	2.5	0.03	<.01	.02		<.005	.052	.002	.054
	248254			50.0	52.5	2.5	.02	}	.02		<.005	.061	.014	.075
	248255			52.5	55.0	2.5	.07		.21		<.005	.008	.007	.015
	248256			55.0	57.5	2.5	.01		.01		.018	.028	.007	.053
	248257			57.5	60.0	2.5	.01		.01		<.005	.101	<.002	.101
	248258			60.0	62.5	2.5	.02		.01		<.005	.038	.007	.045
	248259			62.5	65.0	2.5	.05		.02		.005	.043	.027	.075
	248260			65.0	67.5	2.5	.01		.01		.005	.019	.008	.032
	248261			67.5	70.0	2.5	.01		.01		<.005	.027	.006	.033
	248262			70.0	72.5	2.5	.04		.01		.008	.083	.007	.098
	248263			72.5	75.0	2.5	.01		.01		.008	.040	.010	.058
	248264			75.0	77.5	2.5	.01		.01		.005	.051	.010	.073
	248265			77.5	80.0	2.5	.02		.01		.043	.317	.048	.408
	248266			80.0	82.5	2.5	.03		.01		.005	.131	.014	.150
	248267	85.0 - 87.5m	}	82.5	85.0	2.5	.01		.01		<.005	.034	.009	.043
	248268	<.005% Mo		85.0	86.0	1.0	.02		.01		.005	.039	.017	.061
	248269	.064% WO ₃ .010% Bi		86.0	87.5	1.5	.01	.01		<.005	.081	.005	.086	
	248270			87.5	90.0	2.5	.03	.01		.030	.149	.045	.224	
	248271			90.0	92.5	2.5	.01	<.01	.01		<.005	.055	.003	.058

HOLE No.: C 1085

SAMPLE DATA

SHEET No. 3

LENS	SAMPLE No.	ROCK TYPE	Σ	INTERVAL		Length (L)	Assays (A)				Products (P)			
				From	To		% Snt	% Sns	% Cu	% Zn	% Mo	% WO ₃	% Bi	No + WO ₃ + Bi
-	248272			92.5	95.0	2.5	.01	<.01	.01		<.005	.021	.010	.031
-	248273			95.0	97.5	2.5	.02		.01		.018	.167	.092	.277
-	248274			97.5	100.0	2.5	.01		.01		<.005	.014	.008	.022
-	248351			100.0	102.5	2.5	.01		.01		.043	.122	.046	.211
x	248352			102.5	105.0	2.5	.04		.02		.020	.070	.017	.107
-	248353			105.0	107.5	2.5	.01		.02		<.005	.033	.016	.049
-	248354			107.5	110.0	2.5	.09		.07		.063	.262	.030	.355
-	248355			110.0	112.5	2.5	.01		.01		.008	.034	.012	.054
-	248356			112.5	115.0	2.5	.01		.02		.018	.038	.008	.064
-	248357			115.0	117.5	2.5	.01		.01		<.005	.025	.012	.037
-	248358			117.5	120.0	2.5	.01		.01		.023	.146	.010	.179
x	248359			120.0	122.5	2.5	.01		.01		.015	.131	.012	.158
-	248360			122.5	125.0	2.5	.01		.02		.103	.100	.024	.227
-	248361			125.0	127.5	2.5	.01		.01		.070	.418	.020	.508
-	248362			127.5	130.0	2.5	.02		.01		.105	.207	.048	.360
-	248363			130.0	132.5	2.5	.02		.02		.048	.260	.022	.330
-	248364			132.5	135.0	2.5	.02		.01		.005	.037	.010	.052
-	248365			135.0	137.5	2.5	.04		.02		.008	.149	.040	.197
x	248366			137.5	140.0	2.5	.01	<.01	.02		.015	.088	.016	.119

N.W.P.

HOLE No.: 2148E

SAMPLE DATA

SHEET No.: 4

LENS	SAMPLE No.	ROCK TYPE	Σ	INTERVAL		Length (L)	Assays (A)				Product (A x L)			
				From	To		% Snt	% Sns	% Cu	% Zn	P. Snt	P. Sns	P. Cu	Mo + W + Bi
Mo-Bi-W	248367			140	142.5	2.5	.03		.01		.016	.150	.022	.188
	68			142.5	145	"	.02		.02		.020	.087	.002	.109
	69			145	147.5	"	.01		.01		.013	.106	.011	.130
	70			147.5	150	"	.01		.02		.009	.027	.011	.047
	71			150	152.5	"	.01		.02		.009	.049	.013	.071
	72			152.5	155	"	.02		.02		.014	.061	.008	.083
	73			155	157.5	"	.01		.01		.004	.026	.003	.033
	74			157.5	160	"	.03		.02		.018	.110	.013	.141
	75			160	162.5	"	.03		.02		.013	.336	.031	.380
	76			162.5	165	"	.01		.02		.005	.141	.005	.151
	77			165	167.5	"	.03		.02		.018	.067	.013	.098
	78			167.5	170	"	.01		.02		.004	.044	.007	.055
	79			170	172.5	"	.01		.03		.014	.162	.045	.221
	80			172.5	175	"	.04		.01		.009	.484	.019	.512
	81			175	177.5	"	.01		.01		.009	.231	.017	.257
	82			177.5	180	"	.03		.05		.005	.315	.004	.324
	83			180	182.5	"	.01		.02		.009	.439	.009	.457
	84			182.5	185	"	.01		.01		.007	.228	.009	.244
	85			185	187.5	"	.02		.01		.022	.456	.038	.516

N.W.P.S.

HOLE No. : C1485

SAMPLE DATA

LENS	SAMPLE No.	ROCK TYPE	Σ	INTERVAL		Length (L)	Assays (A)				Product (A x L)			
				From	To		% Snt	% Sns	% Cu	% Zn	% Mo	% WO ₃	% Bi	Mo + WO ₃ + Bi
W-Mo-Bi	248386	S' STONE		187.5	190.0	2.5	.02	0.01	.02	0.010	.014	.194	.018	.226
	87	"		190.0	192.5	}	.04	0.01	.10	0.027	.103	.207	.008	.318
	88	"		192.5	195.0		.03	0.01	.02	0.022	.088	.262	.028	.378
	89	S'stone / qtz. porph.		195.0	197.5		.07	<0.01	.03	0.042	.016	.196	.011	.223
	90	QTZ. PORPHYRY		197.5	200.0		.06	<0.01	.02	0.014	.028	.120	.015	.163
	91	"		200.0	202.5		.05	0.01	.03	0.021	.016	.198	.024	.238
	92	"		202.5	205.0		.16	0.01	.13	0.032	.012	.204	.011	.227
	93	"		205.0	207.5		.11	0.01	.08	0.038	.031	.366	.020	.417
	94	"		207.5	210.0		.10	0.01	.04	0.022	.014	.252	.017	.283
	95	"		210.0	212.5		.05	<0.01	.03	0.017	.020	.341	.011	.372
	96	"		212.5	215.0		.05	0.01	.02	0.020	.014	.283	.011	.308
	97	"		215.0	217.5		.27	0.01	.04	0.026	.018	.186	.007	.211
	98	"		217.5	220.0		.08	0.02	.03	0.02	0.022	.240	0.027	.289
	99	QTZ. PORPH. SHALE		220.0	222.5		.06	0.01	.03	0.06	0.008	.530	0.007	.545
	400	QTZ. PORPH. / SHALE		222.5	225.0		.06	0.02	.07	0.02	0.014	.170	0.012	.196
	01	"		225.0	227.5		.07	0.01	.09	0.03	0.014	.195	0.010	.219
	02	QTZ. PORPHYRY		227.5	230.0		.04	0.01	.06	0.03	0.016	.305	0.009	.330
	03	"		230.0	232.5		.14	0.01	.04	0.03	0.014	.155	0.006	.175
	248404	"		232.5	235.0		.09	0.01	.04	0.03	0.010	.255	0.012	.277

N.W.P.E.

HOLE No. : C1485

SAMPLE DATA

SHEET No. : 6

LENS	SAMPLE No.	ROCK TYPE	Σ	INTERVAL		Length (L)	Assays (A)				Product (A x H)			
				From	To		% Snt	% Sns	% Cu	% Zn	% Mo f. Snt	% WO ₃ f. Sns	% Bi f. Cu	Mo + WO + Bi
W-Mo-Bi	248405	QTZ PORPHYRY		235.0	237.5	2.5	.09	0.01	.03	0.03	0.009	.210	0.010	.229
	06	"		237.5	240.0	}	.06	0.01	.05	0.06	0.018	.310	0.014	.342
	07	"		240.0	242.5		.05	0.01	.03	0.12	0.016	.425	0.011	.452
	08	"		242.5	245.0		.12	0.02	.04	0.06	0.004	.205	0.006	.215
	09	"		245.0	247.5		.05	0.01	.03	0.13	0.010	.375	0.008	.393
	10	"		247.5	250.0		.19	0.02	.07	0.06	0.005	.340	0.007	.352
	11	"		250.0	252.5		.09	0.01	.03	0.05	0.005	.345	0.007	.357
	12	"		252.5	255.0		.05	0.01	.04	0.12	0.014	.430	0.007	.451
	13	"		255.0	257.5		.08	0.02	.06	0.13	0.006	.395	0.007	.408
	14	"		257.5	260.0		.09	0.02	.04	0.16	0.003	.300	0.002	.305
	15	"		260.0	262.5		.08	0.01	.05	0.16	0.010	.385	0.012	.407
	16	"		262.5	265.0		.15	0.02	.04	0.05	0.003	.430	0.004	.437
	17	"		265.0	267.5		.05	0.01	.03	0.05	0.008	.240	0.016	.264
	18	"		267.5	270.0		.07	0.01	.04	0.07	0.008	.565	0.012	.585
	19	"		270.0	272.5		.04	0.01	.03	0.13	0.008	.430	0.015	.453
	20	"		272.5	275.0		.08	0.01	.04	0.02	0.004	.260	0.004	.268
	21	"		275.0	277.5		.04	0.01	.03	0.23	0.004	.315	0.010	.329
	22	"		277.5	280.0		.04	0.01	.03	0.17	0.003	.335	0.014	.352
				280.0	282.5		.07	0.01	.03	0.07	0.014	.555	0.024	.593

22 012

HOLE No. : C1485

SAMPLE DATA

SHEET No. : 7

LENS	SAMPLE No.	ROCK TYPE	Σ	INTERVAL		Length (L)	Assays (A)				Product (A x L)			
				From	To		% Snt	% Sns	% Cu	% Zn	P-Snt % Mo	P-Sns % WO ₃	P-Co % Bi	Mo+WO ₃ +Bi
W-Mo-Bi	2484 24	Qtz Porphyry		282.5	285	2.5	.07	0.01	.04	0.06	0.018	.440	0.012	.470
	25	"		285	287.5	"	.06	"	.06	0.02	0.005	.420	0.006	.431
	26	"		287.5	290	"	.06	"	.03	0.04	0.005	.270	0.006	.281
	27	"		290	292.5	"	.04	"	.04	0.04	0.003	.220	0.012	.235
	28	"		292.5	295	"	.03	"	.05	0.12	0.003	.175	0.004	.182
	29	Porphyry S'stone		295	297.5	"	.04	"	.02	0.03	0.016	.230	0.006	.252
	30	S'stone		297.5	300	"	.02	"	.02	0.02	0.006	.460	0.008	.474
	31	"		300	302.5	"	.01	"	.02	0.04	0.005	.135	0.008	.148
	32	"		302.5	305	"	.03	"	.03	0.02	0.014	1.110	0.018	1.142
	33	"		305	307.5	"	.02	"	.06	0.01	0.005	.335	0.020	.360
	34	"		307.5	310	"	.01	"	.02	0.01	0.020	.225	0.014	.259
	35	"		310	312.5	"	.01	"	.02	0.01	0.018	.090	0.014	.122
	36	"		312.5	315	"	.01	"	.02	0.01	0.038	.205	0.014	.257
	37	"		315	317.5	"	.01	"	.02	0.01	0.030	.180	0.040	.250
	38	"		317.5	320	"	.01	"	.02	0.01	0.068	.485	0.032	.585
	39	"		320	322.5	"	.01	"	.01	0.02	0.034	.090	0.020	.144
	40	"		322.5	325	"	.01	"	.01	0.01	0.012	.065	0.009	.08
	41	"		325	327.5	"	.02	0.02	.02	0.01	0.046	.190	0.020	.256
	42	"		327.5	330	"	.01	0.01	.02	0.01	0.110	.445	0.055	.600

HOLE No. : C 1485

SAMPLE DATA

LENS	SAMPLE No.	ROCK TYPE	Σ	INTERVAL		Length (L)	Assays (A)				Product (A x L)			
				From	To		% Snt	% Sns	% Cu	% Zn	P-Snt % Mo	P-Sns % WO ₃	P-Cu % Bi	Mo+WO ₃ +Bi
W-Mo-Bi	248443	SANDSTONE		330	332.5	2.5	0.01		0.02	0.01	0.026	0.185	0.020	.231
	44		332.5	335		0.01		0.03	"	0.016	.130	0.040	.186	
	45		335	337.5		0.01		0.02	"	0.018	.365	0.065	.448	
	46		337.5	340		0.01		0.02	"	0.003	.055	0.014	.072	
	47		340	342.5		0.01		0.02	"	0.010	.095	0.024	.129	
	48		342.5	345		0.02		0.02	"	0.005	.090	0.010	.105	
	49		345	347.5		0.02		0.02	"	0.010	.050	0.016	.076	
	50		347.5	350		0.02		0.03	"	0.024	.105	0.030	.159	
	51		350	352.5		0.01		0.01	"	0.010	.205	0.030	.245	
	52		352.5	355		0.01		0.01	"	0.003	.055	0.016	.074	
	53		355	357.5		0.01		0.01	"	0.008	.100	0.032	.140	
	54		357.5	360		0.01		0.01	"	0.004	.230	0.044	.278	
	55		360	362.5		0.02		0.03	"	0.040	.025	0.028	.093	
	56		362.5	365		0.01		0.05	"	0.018	.075	0.022	.115	
	57		365	367.5		0.01		0.01	"	0.004	.045	0.007	.056	
	58		367.5	370		0.02		0.02	0.02	0.006	.040	0.008	.054	
	59		370	372.5		0.01		0.02	0.02	0.001	.045	0.014	.060	
	60		372.5	375		0.02		0.02	0.01	.003	.485	.140		
			375	377.5		0.02		0.02	0.01	.001	.015	.005		

C1485

PORPHYRY

197.5 - 295

97.5m x 0.312% WO_3

SGF Lab.

recommended by KGP

AT 0.2% WO_3 CUTOFF

15.0 - 17.5m	2.5m x	0.697%
77.5 - 80.0m	2.5m x	0.317%
107.5 - 110.0m	2.5m x	0.262%
125.0 - 132.5m	7.5m x	0.295%
160.0 - 162.5m	2.5m x	0.336%
172.5 - 187.5m	15.0m x	0.359%
190.0 - 195.0m	5.0m x	0.235%
202.5 - 215.0m	12.5m x	0.289%
217.5 - 222.5m	5.0m x	0.385%
227.5 - 230.0m	2.5m x	0.305%
232.5 - 292.5m	60.0m x	0.352%
295.0 - 300.0m	5.0m x	0.345%
302.5 - 310.0m	7.5m x	0.557%
312.5 - 315.0m	2.5m x	0.205%
317.5 - 320.0m	2.5m x	0.485%

Σ 135.0m x 0.354%

AT 0.10% W₀₃ CUTOFF

15.0 - 17.5m	2.5m x 0.697%
40.0 - 42.5m	2.5m x 0.116%
57.5 - 60.0m	2.5m x 0.101%
77.5 - 82.5m	5.0m x 0.224%
87.5 - 90.0m	2.5m x 0.149%
95.0 - 97.5m	2.5m x 0.167%
100.0 - 102.5m	2.5m x 0.122%
107.5 - 110.0m	2.5m x 0.262%
117.5 - 132.5m	15.0m x 0.210%
138.5 - 137.5m	2.5m x 0.149%
140.0 - 142.5m	2.5m x 0.150%
145.0 - 147.5m	2.5m x 0.106%
157.5 - 165.0m	7.5m x 0.196%
170.0m - 310.0m	140.0m x 0.319%
312.5m - 320.0m	7.5m x 0.290%

Σ 200.0m x 0.288%

21485

4.12.80

at 0.15% W₀₃ CUTOFF

15 - 17.5m	2.5m x 0.697%
77.5 - 80.0m	2.5m x 0.317%
95.0 - 97.5m	2.5m x 0.167%
107.5 - 110.0m	2.5m x 0.262%
125.0 - 132.5m	7.5m x 0.295%
160.0 - 162.5m	2.5m x 0.336%
170.0 - 197.5m	27.5m x 0.289%
200.0 - 300.0	100.0m x 0.319%
302.5 - 310.0	7.5m x 0.557%
312.5 - 320.0	7.5m x 0.290%
	Σ 162.5m x 0.325%

Feature

Bedding
Foliation
Fragment
size & shape



Shearing
Fault
Vein



Mineralization

Trace 1-5%
Common 5-15%
Abundant 15-60%
Massive > 60%

Note: for WO₄ read FeWO₄

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		<u>Shale.</u> Predominantly massive, fine grained dark brown, minor pale brown. Fine carbonate spotting variable in distribution. Minor interbedded sandstone. <u>Sidg 20°</u>							
15.00	3.00							4.43	v. chl, sh, flur 20°
	3.02	6.53, sh, flur vein 15°, 2.5cm thick.						4.53	v.3 sh, flur, carb. 20°
	8.00							4.63	v. vein flur, sh, carb. 20°
	2.97							4.70	interbedded, width 14mm, moly. f. 1% WO ₄ 1%.
	11.00								
	2.97								
	14.00	sandstone 17.10 - 19.80.							
	17.00	17.82 - 10mm wide vein sh, 50°, trace moly and minor W ₂ O crystals ≤ 1%						14.75	sh, flur vein 35°, width 80cm
	2.98	17.95 - 10mm vein sh, 30°, fine crystals W ₂ O 1mm - 5mm < 1%						16.40	single crystal brown of 2.5cm
	19.80							16.40	sh vein 35°, width 20-30mm
	3.14							17.27	bleached WO ₄ up to 1%, crystals elongate upto 20mm.
	23.00							17.60	sh vein 40°, very fine W ₂ O bleed crystals ≤ 1%, 10mm width
	3.10	sandstone 24.35 - 26.26 - m.g. pale grey to tan.						18.55	5mm vein E f.g. carbonate 60°
	26.00							19.70	
	1.21							19.70	Fault f1, 75° slickensided, Fault f2, 75° slickensided
	1.64								
	29.00								
	2.95	<u>Sandstone</u> medium grained dark brown coarse feldspathic - massive							
	32.00	29.74 Fault f1, slickensided 45°						23.18	sh, flur vein 40° 13mm, bleached W ₂ O 1mm - 60mm, 1%
	32.90	34.25 - sh, carbon, 60° fine crystals W ₂ O up to 1%.						24.06	sh vein 10mm wide 35°, up to 1% fine moly, trace WO ₄ , thin
	2.05	34.55 - sh, vein, 45°, 10mm, fine WO ₄ to 1%						24.17	sh vein 10mm wide 35°, up to 1% fine moly, trace WO ₄ , thin
	35.00	Shale 34.90 - 35.75						26.30	sh carbon vein, 18mm wide 40% moly f. 45°
	2.98								
	38.00								
	3.14	40.00 - 10mm sh, carb vein E 5% moly, 45°							
	44.00								
	1.25								
	43.10								
	0.85								
	44.00								
	2.40	44.20 - 46.65 - Series of wiggly veins fracturing sandstone, and bleaching to pale tan - contain pyrite, minor sh, flur							
	46.30								
	3.27								
	49.50	49.50 - 49.65 sh vein long crystal W ₂ O 15mm and patch of moly 0.5%							
	50								

22 020

Feature

Bedding
Foliation
Fragment
size & shape



Shearing
Fault
Vein



Mineralization

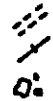
Trace 1-5%
Common 5-15%
Abundant 15-60%
Massive >60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON ABUNDANT MASSIVE	DEPTH m	MINERALIZATION
50-65	0-86	Sandstone				
	2-31	Massive dark brown, medium grained, slight tone variation to grey and pale brown. - minor interbedded shale.			51-20	qtz, fluor, carb vein 20mm wide, 1% W ₂ O, 80°.
53-00	3-00				57-65	qtz, fluor, 5% clpy.
56-00	3-06	56-25, two qtz veins 5mm, 75° 56-65 qtz vein 88°, 10mm. 57-33 qtz vein 70°, 10mm. 57-03 qtz vein 75°, 20mm. bleached sandstone 56-35-57-77 57-73. intersecting qtz carb vein 45°, 7mm.			58-70	qtz vein minor fault
59-00	2-93	bleached sandstone 61-50-62-20			58-40	fault, f1, slickensided 20°
62-00	3-10	62-43-62-73 - qtz vein, 10mm wide, containing 1-2% W ₂ O as bleached crystals to 5mm. 62-24 - 10mm qtz vein 88°. 62-38-62-22 - qtz vein, trace specks of moly. W ₂ O, 10cm wide, 30°.			59-35	qtz vein 20mm 40°.
65-00	3-00				61-30	qtz vein 80°, 20mm.
68-00	3-06	68-65 - qtz vein 10-15mm, 10°.			62-40	qtz vein 45°, 15mm.
71-00	3-03	shale 69-40 - 69-61 - dark brown fine g. 71-20 - 72-35 - 20mm wide qtz vein with 1% bleached crystals W ₂ O to 5mm, <u>hard moly.</u>			62-89	qtz vein 45°, 20mm; <u>lim pocket</u>
74-00	3-01	Sandstone - massive dark brown m. g. 74-60 - 74-75 - several qtz veins 80°-85°.			63-20	qtz vein 50mm, 85°.
77-00	3-00	77-10, 10mm qtz vein 45° 77-50, qtz vein 5mm, 10% W ₂ O crystals 80°			65-20	qtz vein trace moly 60°
80-00	3-07	80-55 - 80-20 - qtz vein 10mm, 1% moly, 5% W ₂ O 80-20 - 80-45 - series of qtz veins - 80° comprising trace moly 1% W ₂ O as bleeds to 5mm			66-95	qtz vein 10mm wide.
83-00	3-02	82-20 - 82-80 - vein 50mm wide with stringer 10mm wide 60°, 45°. <u>upto 1% W₂O as fine crystals and clusters.</u>			67-34	qtz vein 2cht, 85°, 15mm
86-00	3-01	85-66 qtz carb vein 15mm 45° 85-72 qtz carb vein, single large crystal W ₂ O, 20mm 75°			70-48	qtz vein, 15mm 80°
89-00	3-00	Fine wire cross network of veins, qtz carb. down to 89-00, generally to 1mm wide.			71-00	qtz vein 70mm, 83°
92-00	2-96	Shale 91-20 - 92-00 - bleached pale tan From 90-65 - 92-54 the sandstone is bleached pale cream. Shale 92-79 - 93-07, 93-40 - 93-83 Shale 95-31 - 95-07, 96-35 - 96-75			72-77	qtz vein 40mm, 45°
95-00	3-04	96-45 - 96-55, 20mm vein qtz, fluor, carb, 1% W ₂ O large crystals, 1% moly as fine clusters.			74-60	qtz vein 30mm 80°, trace W ₂ O.
98-00	2-90	Fine network of veins 1-10mm wide, generally 20-45°, common.			75-40	qtz vein 50mm, 80°
					76-55	20mm qtz vein with speck moly, <u>bleached W₂O crystals 88</u>
					76-75	vein 15mm, 45°, 1% W ₂ O
					77-23	80-79-20, 15mm qtz vein speck moly, W ₂ O
					81-80	100mm qtz vein 45° with 1% fine W ₂ O
					85-60	80mm qtz, chl, vein 2 very fine specks W ₂ O, 35°.
					89-26	qtz, fluor vein 25mm wide with 1% W ₂ O, trace moly, 150
					93-20	80mm qtz vein, 80°, minor fluor
					96-35	qtz, chl, chl vein, 95° to 60mm, 1% W ₂ O, 1% moly large crystals
					97-40	qtz vein 45°, 20mm wide
					97-42	qtz vein 75° to 100mm wide.

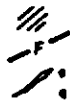
22 021

Feature

Bedding
Foliation
Fragment
size & shape



Shearing
Fault
Vein



carbonate
quartz

Mineralization

Trace 1-5%
Common 5-15%
Abundant 15-60%
Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
101.00	100	Sandstone - massive medium grained, dark brown. 101.74 - sh. carb vein 60m fine speck moly. und elongate W ₂ O ₄ to 2mm length. 101.38-101.55 - 10mm vein 20°, 1% moly. 103.07-103.22 - 10mm sh vein 25°, 5% W ₂ O ₄ trace moly						100.76 101.38 101.44 101.55 101.74 101.87	sh. carb vein 10mm 35° sh. carb vein 10mm spec. W ₂ O ₄ moly f.g. 2.5mm sh carb, fine vein 1% W ₂ O ₄ crystals to 2mm and very fine moly. 35°
104.00	105	104.62 - 105.00 - 10mm sh vein 1% W ₂ O ₄ as fine crystals 2mm long, minor specks moly. 106.47 - sh vein 6°, barren 10mm.						104.82 105.00 105.62	8mm sh vein, 1% W ₂ O ₄ , very speck moly 5mm sh vein, 1% W ₂ O ₄ , 35°
107.00	108	107.73 - 108.08 - horizons 20mm wide, 1-2% W ₂ O ₄ as fine bladed crystals - up to 1% Sb						107.00 107.10 107.16 108.04	ground interbedding veins 40°, 50 barren sh vein 45°, single crystal W ₂ O ₄ 7mm vein, 30°, 1% moly, f.g.
110.00	110	109.40 - sh. carb vein 7mm, 40°, 40% bis.						109.50 110.58 110.65	10mm vein 85°, 5% W ₂ O ₄ , up to 1% moly, trace Sb 2 sh. carb veins 40°, barren.
113.00	115	Sandstone - massive dark brown m.g. fine network of sh. carb veins 20°-40° barren.						114.27 114.34 115.23	sh. carb vein 10mm, 30° 1% W ₂ O ₄ , 1% moly sh. carb vein 5mm, 85°, barren
116.00	117	Shale - fine grained - dark brown, massive minor sandstone to 10cm.						117.78 118.70	25° 100mm sh vein 1% coarse bladed crystals W ₂ O ₄
119.00	120	Sandstone - massive, dark brown medium grained. 120.85 - 80mm sh vein, trace fine W ₂ O ₄ , bladed 45°						119.84 120.18	20mm sh vein 40° speck moly 15mm sh vein 30°, 1% W ₂ O ₄ 0.5% moly
121.35	122	Minor interbedded shale to 20cm. dark brown fine grained.						123.67 124.04	sh. carb vein 20°, 25mm E 1% bis, 1% W ₂ O ₄ , 0.5% moly
122.00	125	124.42-124.68 - 5mm vein 10°, 1% moly, 0.5% W ₂ O ₄						126.73 126.70	20mm sh vein 75° 5% W ₂ O ₄ 10mm long, 5% moly
125.00	128	127.06 - 127.38, 20°, 10-25mm sh vein, 1% f.g. W ₂ O ₄ bladed to 2mm in length. 129.32 - intersecting veins. 35° 10mm wide 2% W ₂ O ₄ 1% moly						128.00 128.15 128.75 128.87	40mm 75° vein, with 1% moly 1% W ₂ O ₄ two sh veins 70mm wide barren
128.00	130	127.92 - vein 20mm 90° barren sh. carb. 130.12 - vein 10mm 10°, barren sh. carb. flux. 130.80 - intersecting veins. 15mm, 45°, 20°, 10% W ₂ O ₄ 3% moly - coarse f.g.						130.30 130.65 131.00 131.20 131.25	10mm vein 25° trace W ₂ O ₄ Fault f1, 45° vein, sh. 20°, 10mm, 5% moly, trace 40mm sh vein, 10% c.g. W ₂ O ₄ 1% moly f.g.
131.00	135	Shale 131.13 - 131.65, 133.00 - 134.08						133.15 134.03 134.07 135.12	15cm sh vein 1% W ₂ O ₄ , trace W ₂ O ₄ 45° 20mm sh vein, 1% c.g. W ₂ O ₄ 80° 20mm sh, fine carb, del vein trace c.g. W ₂ O ₄ 80°
134.00	137	136.22 - 25mm sh, carb vein 10% W ₂ O ₄ , f.g. long.						137.32	15mm sh vein 40°, single speck moly
137.00	140	Network of sh/carb veins 10°-45° in m.g. massive dark brown sandstone.						140.10	20mm 40° sh vein, 5% f.g. moly trace W ₂ O ₄
140.00	143	Chaotic Sandstone/Shale, bleached from 143.58 - 144.00 - 140.47 - 70mm, 85° sh vein trace f.g. W ₂ O ₄ , moly.						142.15 142.55 143.65	100mm vein 20°, sh, fine W ₂ O ₄ specks. 18mm vein, 45°, 1% f.g. W ₂ O ₄ 80mm sh vein, 2% f.g. moly 2% m.g. W ₂ O ₄
143.00	144	144.20 Fault, slickensided 45° f1						145.14 146.50	10mm sh vein, 15° f.g. moly speck, f.g. trace W ₂ O ₄
144.00	145	Sandstone - m.g. initially bleached - major fault 143.65 - 144.50 - 85°-90°, slickensided f4						146.20	146.60 - 25mm sh vein 10°
146.00	148	Chaotic shale/sst 145.42 - 146.00 - bleached pale cream.						148.65 149.20	sh carb vein 5°, 10mm, 10% f.g. moly 100mm sh, fine, carb vein 85°
149.00	150	Shale 148.43 - 149.22 - dark brown f.g. dark brown sandstone.							

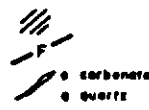
22 032

Feature

Bedding
Foliation
Fragment
size & shape



Shearing
Fault
Vein



Mineralization

Trace 1-5%
Common 5-15%
Abundant 15-60%
Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	250	Altered feldspar porphyry contd						
251.00		Foliation around 251.00, 10°.						
	3.16	At 251.83 - relatively unaltered feldspar euhedral 1m - 10mm.						
254.00		From 252.29 - 253.03 - altered by tourmaline and orange siderite.						Epidote alteration 253.03 to 253.43
	2.16	Foliation 253.03 - 254. 0° - 5°, un-altered feldspar 253.70 - 254 and 254.30 - 254.46						
256.20		Massive siliceous, turbidite pale grey/white from 254.46 - patchy siderite						
257.00	0.28	alteration - epidote alteration 257.03 - 257.43						
	3.00	Altered banded sandstone xenoliths 256.70 - 257.75						
260.00		Foliated 259.00 - 260.65 -						dusky dots of
	2.95	have feldspars over the interval 2.6000 - 2.70.00 - massive siliceous fine grained, irregular patchy siderite and minor epidote alteration & foliation present 3° - 5°, marked by stringers of tourmaline and fine feldspars.						Trace stringers of pyrite and dusky dark brown mineral. <u>WO₄</u> ?
263.00								
	2.94							
266.00								
	2.75							
269.00								
	1.80							
270.70								
	3.14							
273.90								
	1.06							
275.00		Partially altered and unaltered feldspars 5mm 276.20 - 278.40, also subrounded quartz phenocrysts - patchy zones of pale fine grained epidote.						
	2.90							
278.00		Predominantly altered - rare visible feldspars 278.40 - 281.90 - pale grey to grey white						
	3.02							
281.00		Highly siliceous, milky white 281.90 - 283.74 with minor patches of well developed feldspars. minor clasp-like angular xenoliths.						
	3.00							
284.00								
	0.62							
	1.24							
287.00		From 283.84 - 296.70 see a number of large xenoliths of f.g. dark brown shale, chaotic sandstone and shale - fractured, brecciated and with stringers and zones of fine grained altered porphyry. Minor relatively unaltered feldspars common in porphyry stringers. Cordierite? at 292.95.						
	2.22							
284.25								
	0.85							
290.00								
	3.00							
293.00								
	3.00							
296.00		Contact is hard to define, It has been defined on the basis of abundance of shale/sandstone, relative to porphyry material.						
	2.90							
299.00		Sandstone. Predominantly dark brown fine to medium grained, minor interbedded dark brown siliceous slate - square appears to be recrystallized.						
	3.10							
299.00								
	3.00							

22 025

Feature

Bedding
Foliation
Fragment
size & shape



Shearing
Fault
Vein



Mineralization

Trace 1-5%
Common 5-15%
Abundant 15-60%
Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
302.00	2.80	Sandstone - No obs. 301.70 - 301.65 - sh vein, 45° fine dusty W ₂ ? 1% 5mm fine crystals 302.45 - 302.47 - sh vein, 75°, 5% dusty W ₂ ? a few specimens only.						300.60 300.70 302.30 302.8 304.70 305.70 306.70 307.30	1% dusty W ₂ and trace fg mat sh vein sh. dusty W ₂ ? to 5% sh vein, 35°, 20mm, trace fg mat irregular sh veins, interpenetrated fracture 230, mainly fg dust shingles W ₂ , some fg bleached crystals 5% sh vein to 20mm 1% fg mat sh vein 35-50mm, 70° 1% fg dusty W ₂ , only
305.00	2.85	Sandstone is massive dark brown, medium and fine grained, minor shale bands.						307.15 310.70 311.50 312.20 315.00 315.40 315.40	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
303.00	3.08	307.20 - 308.10 - sh vein 50mm, 15°, 5% fg dusty W ₂ 1% patchy mat.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
303.00	3.04	minor veining, barren 1% of total rock.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
311.00	3.00							314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
314.00	3.15	Shale - massive to finely foliated, dark brown fine grained, siliceous.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
317.00	3.00	314.70 - 90°, 5mm sh vein 20% fg mat 314.70 - irregular sh vein 3mm, 10% fg mat 315.55 - intersecting sh veins, 3mm, 30°, 5% W ₂ fg						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
317.00	3.05	Sandstone - massive medium grained dark brown - bleached sandstone 319.25-319.5						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
320.00	3.20	f.g. chaotic shale 320.00-320.50 321.75 sh vein 70°, 20mm, trace fg mat W ₂ , 5% patchy sh						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
323.00	2.94	322.45 - 322.55 - irregular sh vein 10°, 10-15mm. 5% W ₂ , as patchy aggregates, 1% fg mat. Shale 323.75 - 324.45.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
326.00	2.93							314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
326.00	3.02							314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
327.00	3.00	Bleached sandstone around sh vein 329.32. Shale 329.30 - 329.40, f.g. chaotic, siliceous.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
332.00	3.00	Sandstone - massive dark brown, fine to medium grained, 332.76, sh vein 15mm to up to 10 W ₂ , trace patchy sh						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
335.00	3.35	335.52 - 335.52 - sh vein 20° c.g. bis? 2 1/2 W ₂						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
338.00	3.00	335.10 - 335.40 - sh vein 1-5°, 10mm locally 10mm, 1% matly fg aggregates 1/2 W ₂ c.g. some crosscutting white cat, dl, sh c a smoky.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
341.00	3.04	337.14 - 337.20 - intersecting sh, carb veins 10°-20° 5-10mm, <1% dusty W ₂ and matly fg.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
344.00	3.04	Bleached sandstone.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
344.00	1.73 lost core tube cored off.	Chaotic shale - bleached pale tan, irregular sandstone clasts - slumped bleached subrounded fragments of sandstone and shale and fine grained shaly matrix.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
347.00	2.94	Sandstone - bleached to tan colour down to 346.50 - then dark brown massive with some bleached zones.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat
349.80	3.03	chaotic shale 349.50 - 349.70.						314.00 314.70 315.55	sh vein 35-50mm, 70° sh vein 35°, 1% W ₂ on large crystals sh vein 40°, 25mm, speckly mat sh vein 40°, 15mm, 5% fg dusty W ₂ sh vein 60-70mm 5-10°, 1-5% clot of dusty W ₂ , minor speckled 20mm sh vein, up to 1% fg mat

22 056

Feature

Bedding
Foliation
Fragment
size & shape



Shearing
Fault
Vein



Mineralization

Trace 1-5%
Common 5-15%
Abundant 15-60%
Massive > 60%

CORE RECD	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.03	350	Sandstone - carb. Dark brown, massive, medium grained Bleached to pale tan. 349.65 - 354.00. Chaotic shale 353.00 - 354.00.						350.00	phy. carb. vein 35°, 10 mm, 5% WO ₂
2.97	353							353.20	5 mm phy. vein, 38°, 20% WO ₂ , 10% moly.
2.95	356							353.30	phy. carb. vein, 5 mm, 35°.
2.89	359	Sandstone bleached 358.20 - 359.00. Silted zone 358.70 - 358.80 - open irregular veins, single vein with moly.						358.20	headed fault, F3, phy. carb. 65°
3.20	361	From 351.00 the sandstone is fine grained siliceous with chaotic zones of inter-layered shale, locally bleached - colour is predominantly dark brown.						358.70	phy. vein 50°, 2% WO ₂ , 2% partly moly, 1% Sn ²⁺
3.60	364	Contact plane to, recent siderite veinlets.						360.50	Fault, headed, phy. fluo, silt 35°
3.60	367	Altered Siliceous Basic Volcanic - fine grained, siliceous dark brown and patchy zones dark green.						360.50	2 vein 2' length, arsenopy, 10% Cu 25 mm.
3.00	371	Altered Basic Volcanic - f.g. siliceous gray brown, greenish brown - patchy carbonate veinlets. Altered feldspars and irregular cherty concretions. Contact is a qtz. fracture vein.						361.70	irregular phy. carbon network to 1/2 study, 1/2 to carb. 15-20 mm
3.05	373	Dark, carbonaceous rock - medium grained dark black and white. abundant waxy carbonate segregations (some after chlorite feldspars) minor siderite, epidote alteration.						362.75	width, arsenopy vein 5 mm 45°
3.05	374	Talc/carbonate rock - medium grained bright green with irregular pale brown carbonate veins and stringers - some visible carbonate altered feldspar. (probably highly altered basic volcanic). Core loss 50%.							
3.05	375	CAVITY - NO CORE RECOVERED - FAULT ZONE							
3.05	376	Altered Siliceous Basic Volcanic - fine grained, siliceous gray to tan, finely veined by siderite - numerous altered feldspars. cherty concretions common.						371.60	phy. fluo, carb, amphi vein 65°
3.05	377							371.80	phy. fluo, vein, 45°.
3.05	380	Chert - f.g. chert - pale tan - finely veined.							
3.05	381	Altered Basic Volcanic - completely leached pale tan medium grained carbonate rock from 380.25 to 383.80. Siliceous finely veined dark olive green with minor fine altered feldspars 383.80 - 386.10. From 386.10 - 387.35 - variably bleached, dark brown to pale tan - rounded vesicles 387.35. Fine scale carbonate veining common.						373.10	fine grained patchy aggregate of carbonate up to 1/2. Fault contact 45° slickensided, sheared zone serpentized.
3.05	383							374.00	
3.05	385							376.00	
3.05	387							377.00	
3.05	388							378.00	
3.05	389							379.50	
3.05	390							380.25	
3.05	391							380.50	
3.05	392							380.75	
3.05	393							381.00	
3.05	394							381.25	
3.05	395							381.50	
3.05	396							381.75	
3.05	397							382.00	
3.05	398							382.25	
3.05	399							382.50	
3.05	400							382.75	
3.05	401							383.00	
3.05	402							383.25	
3.05	403							383.50	
3.05	404							383.75	
3.05	405							384.00	
3.05	406							384.25	
3.05	407							384.50	
3.05	408							384.75	
3.05	409							385.00	
3.05	410							385.25	
3.05	411							385.50	
3.05	412							385.75	
3.05	413							386.00	
3.05	414							386.25	
3.05	415							386.50	
3.05	416							386.75	
3.05	417							387.00	
3.05	418							387.25	
3.05	419							387.50	
3.05	420							387.75	
3.05	421							388.00	
3.05	422							388.25	
3.05	423							388.50	
3.05	424							388.75	
3.05	425							389.00	
3.05	426							389.25	
3.05	427							389.50	
3.05	428							389.75	
3.05	429							390.00	
3.05	430							390.25	
3.05	431							390.50	
3.05	432							390.75	
3.05	433							391.00	
3.05	434							391.25	
3.05	435							391.50	
3.05	436							391.75	
3.05	437							392.00	
3.05	438							392.25	
3.05	439							392.50	
3.05	440							392.75	
3.05	441							393.00	
3.05	442							393.25	
3.05	443							393.50	
3.05	444							393.75	
3.05	445							394.00	
3.05	446							394.25	
3.05	447							394.50	
3.05	448							394.75	
3.05	449							395.00	
3.05	450							395.25	
3.05	451							395.50	
3.05	452							395.75	
3.05	453							396.00	
3.05	454							396.25	
3.05	455							396.50	
3.05	456							396.75	
3.05	457							397.00	
3.05	458							397.25	
3.05	459							397.50	
3.05	460							397.75	
3.05	461							398.00	
3.05	462							398.25	
3.05	463							398.50	
3.05	464							398.75	
3.05	465							399.00	
3.05	466							399.25	
3.05	467							399.50	
3.05	468							399.75	
3.05	469							400.00	
3.05	470							400.25	
3.05	471							400.50	
3.05	472							400.75	
3.05	473							401.00	
3.05	474							401.25	
3.05	475							401.50	
3.05	476							401.75	
3.05	477							402.00	
3.05	478							402.25	
3.05	479							402.50	
3.05	480							402.75	
3.05	481							403.00	
3.05	482							403.25	
3.05	483							403.50	
3.05	484							403.75	
3.05	485							404.00	
3.05	486							404.25	
3.05	487							404.50	
3.05	488							404.75	
3.05	489							405.00	
3.05	490							405.25	
3.05	491							405.50	
3.05	492							405.75	
3.05	493							406.00	
3.05	494							406.25	
3.05	495							406.50	
3.05	496							406.75	
3.05	497							407.00	
3.05	498							407.25	
3.05	499							407.50	
3.05	500							407.75	
3.05	501							408.00	
3.05	502							408.25	
3.05	503							408.50	
3.05	504							408.75	
3.05	505							409.00	
3.05	506							409.25	
3.05	507							409.50	
3.05	508							409.75	
3.05	509							410.00	
3.05	510							410.25	
3.05	511							410.50	
3.05	512							410.75	
3.05	513							411.00	
3.05	514							411.25	
3.05	515							411.50	
3.05	516							411.75	
3.05	517							412.00	
3.05	518							412.25	
3.05	519							412.50	