WELCOME NORTH MINES LTD. — DIAMOND DRILL LOG — Page 1 of 5 — Brock000035

Collar: NORTH 3+82N; EAST L7 + 10W; ELEVATION 5071'; LOGGED BY M. McArthur; DATE LOGGED July 7, 1977; MAP REFERENCE 106C/16

Hole Survey	Footage	Azimuth	Dip
	249		-90

PROJECT Arctic Red Joint Venture
PROPERTY NAME AB C-ZONE
DRILLING CONTRACTOR Wink International
ASSAYER BONDAR-CLEGG, WHITEHORSE
PURPOSE OF HOLE TEST LOW MIN. HORIZON WEST OF CREEK

HOLE NO. AB 77-2
CLAIM NAME AB 76 (A86200)
COMMENCED July 5, 1977 (A.M.)
FINISHED July 7, 1977 (A.M.)

From	To	Rcvy %	Description	Mineralization	Sample From	Sample To	Sample Width	Sample No.	Assays Zn%	Assays Pb%	Assays PY	Visual Log
0	2		Overburden									
2	4											
4	6											
6	8											
8	10	90	Bioturbated, bituminous dark grey dolomite,									
10	12	90	burrows commonly with crser bioclastic									
12	14	90	debris									
14	16	90										
16	18	90										
18	20	90										
20	22	90										
22	24	90										
24	26	90										
26	28	90										
28	30	90										
30	32	90										
32	34	100	- vert frax, DL-CA, with displacement	v.fine PY in bit.								
34	36	100	of 1 cm, minor assoc. BRXX	matrix								
36	38	100	- bioclastic debris abundant, brachiopod?									
38	40	100										
40	42	100										
42	44	100	- O-shaped fossils and possible salterella	PY V vert w/DL								
44	46	100	- 'tribolite'?									
46	48	100	- 43-52: vert V DL-CA: @ 48 leached	PY crse patch								
48	50	100										
50	52	100	Laminated hituminous dkgy DLST;									
52	54	100	local burrowing and bioclastic beds									
54	56	100										
56	58	100										
58	60	100										
62	62	100	- CA-DL V; bioclastic bed 1" thick	(PY) D								
62	64	100	- 62-66' core broken & frax; lam bituminous									
64	66	90	DLST, fissile									
66	68	100										
68	70	100										
70	72	100										
72	74	100	- core splits along bituminous laminations									
74	76	100										
76	78	90										
78	80	100	- 2" BRXC DL-CA; 81": SL-(BA) BRXC 1/2" wide	PY D								
80	82	100	Highly bioturbated; as 8-50' but									
82	84	100	less bioclastic									
84	86	100		PY in bit. matrix								
86	88	100	- 86-93' lam. w/PY often in bituminous	PY								
88	90	100	laminations	PY								
90	92	100		PY								
92	94	100	- pyritized Salterella	PY in matrix & fossil								
94	96	100										
96	98	100										
98	100	100	Grey & dkgy bioturbated DLST crser than previously									
100	102	100	- vert DL V later than PY in core	patches PY ~5 mm								
102	104	100		looks porphyroblastic;								
104	106	100		more common in bit.								
106	108	100	- frax about 20° to axis with vert displacement	matrix, also in burrows								
108	110	100		Some look like fossil								
110	112	100	- 1 cm DL V 80° to axis	replacements								
112	114	100										
114	116	100	- 115' vert BRXC, DL, only 1/2 cm wide									
116	118	100	- O rounded triangular fossil									
118	120	100										
120	122	100	- 10° to axis is frax with 1 cm left lat displ.									
122	124	100										
124	126	100	- BRXC but no PY in DL V; 20° to axis	PY D matrix								
126	128	100										
128	130	100	- vert BRXC									
130	132	100										
132	134	100	- as elsewhere gypsum in frax									
134	136	100										
136	138	100	- DL-CA BRXC									
138	140	100	- bioclastic									
140	142	100		(PY) patches								
142	144	100		PY matrix								
144	146	100										
146	148	100	- BRXC									
148	150	100	- BRXC									
150	152	100		(SL) DL in vug								
152	154	80	Penecontemp. BRXX & burrowing	PY V & D matrix								
154	156	90	Fractured DLST, leached CA BRXC									
156	158	80	Layered DLST grey & dkgy	PY along bedding								
158	160	80		& V								
160	162	100										
162	164	100	Mdum xaln grey DLST, styblitic; at									
164	166	100	163-164 "zebra dolomite"	PY V								
166	168	100										
168	170	100	- DL looks like early stage of frax,	PY along bit. bedding								
170	172	100	possibly primary BRXX	& early V?								
172	174	100	Sandy micritic DLST	PY D								
174	176	100	Grey DLST w/fenestral tex	PY V								
176	178	100		PY V horiz & stylolitic								
178	180	100										
180	182	100	- layered DL BRXX	PY V horiz w/BRXX	183	186	3'	54	0.12	0.05		
182	184	90										
184	186	100	Flood of DL spar leaving minor grey DLST frag	PY-DL about 90%								
186	188	100	Mottled grey mdum xaln DLST, often vuggy	(SL) pale orange D								
188	190	80	core quite broken									
190	192	100										
192	194	100										
194	196	100										
196	198	100										
198	200	100	- leached BRXC, CA, DL	PY V, D								
200	202	100	- oncolites									
202	204	100										
204	206	100										
206	208	100		PY DL influx (SL)								
210	212	100	Mdum xaln grey DLST, commonly oncolitic	2 cm PY along bedding								
212	214	100		PY-DL-CA BRXC								
214	216	100	- BRXC									
216	218	100	- oncolites	(SL) Pale orange to end								
218	220	100	- oncolites	w/hydrozincite frax	218	220	2'	53	0.02	TR		
220	222	100		(SL) µV X-cut PY or	220	222	2'	52	0.11	0.02		
222	224	100		with PY	222	224	2'	51	0.04	TR		
224	226	100	- BRXC whole core; DL spar		224	226	2'	50	0.17	TR		
226	228	100	- vert stylolite w/PY		226	228	2'	49	0.01	TR		
228	230	100			228	230	2'	48	0.01	TR		
230	232	100		PY V & styblite (vert)	230	232	2'	47	0.01	0.01		
232	234	100	- oncolites	(SL) hydrozincite	232	234	2'	39	0.12	0.04		
234	236	100		PY V & along horiz.	234	236	2'	40	0.27	0.08		
236	238	100	- oncolites	stylolites. SL D, V	236	238	2'	41	0.25	0.04		
238	240	100			238	240	2'	42	0.33	0.25		
240	242	100		(SL) GN with PY	240	242	2'	43	0.14	0.07		
242	244	90			242	244	2'	44	0.09	0.08		
244	246	80			244	247	3'	45	0.03	0.02		
246	248	90	- DL influx BRXX "zebra"		247	249	2'	46	0.07	0.02		
248	249	80										
			END OF HOLE									