CF
C.F. MINERAL RESEARCH LIMITED
263 LAKE AVENUE
KELOWNA, BRITISH COLUMBIA
CANADA V1Y 5W6

019026

TEL. (604) 763-1815
(604) 860-8525

Greg Tilsen / Dave Jennings

Mems: Re: HMY orientation Samples

Enclosed please find the results plotted on computer forms. The -35+60 IP fraction appears to be significantly & consistently anomalous in all base metals probably reflecting acid weathering conditions over a part of the deposit. The -60 HN appears anomalous in Au & Ba & weakly anomalous in W. Higher base metal results occur in -60 IP fractions of HMY 240 & 231 than for the -35+60 IP however the -60 IP base metal results of 255 is very low. Higher base metal results occur in -20+35 HP fractions of 241 & 255 than for the -35+60 IP however HMY 240 -20+35 HP base metal results are quite low.

You will thus need to check the field sample locations with respect to mineralization before deciding what fractions should be reconnaissance processed. Perhaps you may wish to obtain say 60-100 processed for more than one fraction types to establish a background picture & ultimately which fraction produces the best contrast.

At no additional cost to you I have asked the

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Ieb to make -20+35 IP fractions for HMY 231, 240, 241, 242 & 255 a/so -35+60 IP fractions for SOS 37, 39, 40, 42 & 46 -a/so -20+35 HP fractions for SOS 2, 3, 4, 6 & 22. Unless you notify me I will send these to Borden & Clegg for Cu - Pb - Zn - Co - Cd. & Ag analysis as I think such results could possibly be of use.

There were some "I 5" results in Ba even though Borden said they would do Ba via an alternative method than XRF. Ba plus Au ± W could be run via neutron activation on even the smallest -60 HW samples However NAA in Hamilton would want $7.00 for Au & As as well as an additional 6.00 for Ba Perhaps, an alternative lab would do high level Ba. on small samples

Hope to have a discussion with you by phone so that we can get your remainding samples run.

Best Regards
Chuck.

	Code	Sample	Vial Weight - Grams
BAG 1	A4	HMy 64-60HN	0.355
	A8	66 #2-"	0.473
	A12	69-"	0.419
	A14	71-"	0.295
	A17	73-"	0.127
	A21	78-"	0.356
	A22	81-"	0.115
	A27	84-"	0.199
	A30	86-"	0.271
	A34	90 #1-"	0.159
	A40	93-"	0.151
	A42	95-"	0.113
	A46	98-"	0.196
	A47	99-"	0.307
	A51	104-"	0.316
BAG 2	A54	HMy 107-60HN	0.261
	A59	111-"	0.412
	A1	61-"	0.504
	A2	62-"	0.841
	A3	63-"	0.806
	A18	74-"	0.881
	A19	75-"	0.950
	A29	85 #2-"	0.804
	A43	96-"	0.559
	A48	100-"	0.923
	A50	103-"	0.731
	A56	108 #2-"	1.083
	A20	76-"	1.556
	A41	94-"	1.814
	A53	106-"	1.945
BAG 3	A9	HMy 67-60HN	2.352
	A49	101-"	2.042
BAG 4	A6	HMy 65 #2-"	2.811
	A7	66 #1-"	2.906
	A15	72 #1-"	2.847
	A23	82 #1-"	2.972
	A24	82 #2-"	2.792
	A25	83 #1-"	2.938
	A26	83 #2-"	2.989
	A28	85 #1-"	2.778
	A33	89-"	2.930
	A35	90 #2A-"	2.991
	A38	92 #1B-"	2.909
	A39	92 #2-"	2.278
	A52	105-"	2.800
	A55	108-" #1	2.868
	A57	109-"	2.287
BAG 5	A5	HMy 65 #1-"	2.274
	A10	68 #1-"	3.021
	A11	68 #2-"	3.036
	A13	70-"	3.359
	A16	72 #2-"	3.045
	A31	87 #1-"	3.223
	A32	87 #2-"	3.057
	A36	90 #2B-"	3.008
	A37	92 #1A-"	3.044
	A44	97 #1-"	3.145

Code	Sample	Vial Weight - Grams	Code	Sample	Vial Weight - Grams
BAG 5 (con't)					
A 45	HMy 97 #2 - 60HN	3.207			
A 58	110 - "	3.106			

Code	Sample	Vial Weight - Grams
BAG 1		
A77	HMy 127 #2 - 60HN	0.355
A79	" 129 - "	0.471
A103	" 152 - "	0.206
A108	" 157 - "	0.450
A115	" 164 - "	0.434
A144	" 196 - "	0.374
A173	" 232 - "	0.202
BAG 2		
A65	HMy 116 - 60HN	0.816
A67	" 118 - "	0.913
A68	" 120 - "	0.604
A91	" 139 - "	0.611
A95	" 143 - "	0.981
A98	" 146 - "	0.954
A104	" 153 - "	0.884
A105	" 154 - "	0.756
A107	" 156 - "	0.858
A110	" 159 - "	0.563
A116	" 165 - "	0.509
A121	" 169 #2 - "	0.665
A123	" 172 - "	0.696
A124	" 173 - "	0.831
A127	" 176 - "	0.890
BAG 3		
A132	HMy 183 - 60HN	0.855
A134	" 185 - "	0.790
A136	" 186 - "	0.749
BAG 3 (CONT.)		
A139	HMy 189 - 60HN	0.887
A148	" 200 - "	0.728
A154	" 207 - "	0.715
A160	" 213 - "	0.687
A180	" 248 - "	0.724
A181	" 250 - "	0.756
BAG 4		
A61	HMy 112 #2 - 60HN	1.465
A71	" 123 - "	1.065
A78	" 128 - "	1.167
A87	" 136 - "	1.276
A88	" 137 - "	1.083
A90	" 138 #2 - "	1.423
A92	" 140 - "	1.297
A97	" 145 - "	1.144
A99	" 147 - "	1.296
A106	" 155 - "	1.163
A111	" 160 - "	1.242
A117	" 166 - "	1.170
A122	" 170 - "	1.358
A128	" 177 - "	1.485
A129	" 179 - "	1.265
BAG 5		
A130	HMy 181 - 60HN	1.063
A131	" 182 - "	1.084
A133	" 184 - "	1.385
A137	" 187 - "	1.339

Code	Sample	Vial Weight - Grams
BAG 5 (CONT)		
A138	HMy 188-60HN	1.345
A141	" 191- "	1.362
A146	" 198- "	1.311
A150	" 203- "	1.068
A152	" 205- "	1.092
A155	" 208- "	1.462
A156	" 209- "	1.322
A158	" 211- "	1.448
A161	" 214- "	1.314
A166	" 223- "	1.100
A168	" 225- "	1.496
BAG 6		
A179	HMy 247-60HN	1.030
A185	" 256- "	1.457
A62	" 113- "	1.905
A69	" 121- "	1.820
A74	" 125- "	1.801
A96	" 144- "	1.529
A101	" 149- "	1.541
A102	" 151- "	1.536
A113	" 162- "	1.193
A114	" 163- "	1.912
A125	" 174- "	1.890
A142	" 192- "	1.842
A163	" 216- "	1.683
A164	" 219- "	1.965
A165	" 220- "	1.715

Code	Sample	Vial Weight - Grams
BAG 7		
A184	HMy 254-60HN	1.557
A186	" 257- "	1.505
BAG 8		
A64	HMy 115-60HN	2.330
A66	" 117- "	2.001
A81	" 131- "	2.492
A84	" 134- "	2.380
A86	" 135 #2 "	2.024
A93	" 141- "	2.107
A94	" 142- "	2.472
A112	" 161- "	2.243
A126	" 175- "	2.885
A140	" 190- "	2.336
A145	" 197- "	2.280
A157	" 210- "	2.098
A159	" 212- "	2.482
A174	" 233- "	2.319
A175	" 234- "	2.453
BAG 9		
A177	HMy 244-60HN	2.006
A60	" 112 #1 "	2.145
A63	" 114- "	2.666
A70	" 122- "	3.677
A72	" 124 #1 "	2.753
A73	" 124 #2 "	2.830
A75	" 126- "	2.342
A76	" 127- "	3.622
A80	" 130- "	2.738

	Code	Sample	Vial Weight - Grams	Code	Sample	Vial Weight - Grams
	BAG 9 (CONT)					
	A 82	HMY 132-60 HN	2.518			
	A 83	" 133 - "	4.179			
	A 85	" 135 #1 - "	4.703			
	A 89	" 138 #1 - "	2.814			
	A 100	" 148 - "	2.655			
	A 109	" 158 - "	2.931			
BAG 10	A 118	" 168 #1 - "	3.505			
	A 119	" 168 #2 - "	3.653			
	A 120	" 169 #1 - "	3.076			
	A 143	" 194 - "	3.331			
	A 147	" 199 - "	3.377			
	A 149	" 201 - "	2.639			
	A 151	" 204 - "	3.040			
	A 153	" 206 - "	2.791			
	A 162	" 215 - "	2.513			
	A 167	" 224 - "	3.497			
	A 169	" 227 - "	3.454			
	A 170	" 228 - "	3.406			
	A 171	" 230 #1 - "	4.120			
	A 172	" 230 #2 - "	4.242			
	A 176	" 243 - "	2.630			
	BAG 11					
	A 178	HMY 246 - 60 HN	3.409			
	A 182	" 251 - "	3.505			
	A 183	" 252 - "	3.547			

82-839 (7-78)

C.F. MINERAL RESEARCH LIMITED

80 COLUMN DATA SHEET

		WEIGHT GMS.
HMy240	-20+35HM	0.94
HMy240	-20+35HP	7.15
HMy240	-20+35HN	34.65
HMy240	-35+60IP	4.77
HMy240	-35+60IN	4.48
HMy240	-35+60HM	1.11
HMy240	-35+60HP	3.14
HMy240	-35+60HPN	1.40
HMy240	-35+60HNN	6.69
HMy240	-60IP	57.1
HMy240	-60IN	150.7
HMy240	-60HP	27.7
HMy240	-60HPN	1.69
HMy240	-60HNN	4.86
HMy240	-400L	4.70
HMy240	ORG	2.572
	SLT	

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C.F. MINERAL RESEARCH LIMITED

80 COLUMN DATA SHEET

		WEIGHT GMS.
H.M.Y.23.1	-20+35HM	<0.0.1
H.M.Y.23.1	-20+35HP	0.1.1
H.M.Y.23.1	-20+35HN	0.0.5
H.M.Y.23.1	-35+60IP	1.2.2
H.M.Y.23.1	-35+60IN	0.9.7
H.M.Y.23.1	-35+60HM	<0.0.1
H.M.Y.23.1	-35+60HP	0.2.7
	-35+60HPM	
	-35+60HNN	
H.M.Y.23.1	-35+60 HN	0.0.5
H.M.Y.23.1	-60IP	1.6.0
H.M.Y.23.1	-60IN	1.0.23
H.M.Y.23.1	-60HP	0.5.6
	-60HPN	
	-60HNN	
H.M.Y.23.1	-60HN	1.0.4
H.M.Y.23.1	-400L	3.8.8
H.M.Y.23.1	ORG	6.0.79
	SLT	

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60 COLUMN DATA SHEET

		WEIGHT GMS.
HMy241	-20+35HM	0.28
HMy241	-20+35HP	2.49
HMy241	-20+35HN	1.76
HMy241	-35+60IP	6.54
HMy241	-35+60IN	8.02
HMy241	-35+60HM	1.76
HMy241	-35+60HP	5.53
HMy241	-35+60HPN	1.69
HMy241	-35+60HNN	4.61
HMy241	-60IP	3.44
HMy241	-60IN	6.74
HMy241	-60HP	6.81
HMy241	-60HPN	2.42
HMy241	-60HNN	8.77
HMy241	-400L	3.60
HMy241	ORG	8.44
	SLT	

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C.F. MINERAL RESEARCH LIMITED

80 COLUMN DATA SHEET

		Weight GMS.
HMy255	-20+35HM	0.0.3
HMy255	-20+35HP	0.2.0
HMy255	-20+35HN	0.1.3
HMy255	-35+60IP	1.6.4
HMy255	-35+60IN	2.5.5
HMy255	-35+60HM	0.0.1
HMy255	-35+60HP	0.3.4
HMy255	-35+60HPN	½0.0.5
HMy255	-35+60HNN	0.6.3
HMy255	-60IP	0.5.7
HMy255	-60IN	5.4.9
HMy255	-60HP	1.0.7
HMy255	-60HPN	0.5.6
HMy255	-60HNN	6.3.9
HMy255	-400L	6.1.0
HMy255	ORG	1.8.1.8
	SLT	

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		WEIGHT GMS.
H.M.Y.242	-20+35HM	.0.0.1
H.M.Y.242	-20+35HP	.0.4.9
H.M.Y.242	-20+35HN	.0.1.9
H.M.Y.242	-35+60IP	.4.1.9
H.M.Y.242	-35+60IN	.6.4.0
H.M.Y.242	-35+60HM	.0.2.4
H.M.Y.242	-35+60HP	.1.8.0
	-35+60HPM	
	-35+60HNN	
H.M.Y.242	-35+60HN	.1.0.4
H.M.Y.242	-60IP	.5.0.6
H.M.Y.242	-60IN	.14.9.0
H.M.Y.242	-60HP	.5.2.5
H.M.Y.242	-60HPN	.3.1.2
H.M.Y.242	-60HNN	.2.8.7
H.M.Y.242	-400L	.3.1.5
H.M.Y.242	ORG	.5.9.6
	SLT	

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83-839 (7-78)

C.F. MINERAL RESEARCH LIMITED

80 COLUMN DATA SHEET

		Weight Grams	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm	Cd ppm	Co ppm	V ppm	W ppm	Au ppb	Ba ppm	Ba # %	
HMY231															
✓	-20+35HM	<0.01	50	100	950 ~~495~~	100	0.2	0.2	<1	IS					
✓	-20+35HP	0.11	177	73	4460	61	IS	22	96						
✓	-20+35HN	0.05	<1	100	190	100	02	0.2	<1		IS	10	IS		
✓	-20+35IP		237	95	2800	67	06	85	33						
✓	-35+60IP	1.22	280	68	5800	85	06	27	70						
✓	-35+60IN	0.97	103	38	1840	27	02	10	26						
✓	-35+60HM	<0.01	250	<2	1800	<1	02	0.2	<1	IS					
✓	-35+60HP	0.27	244	81	4445	38	IS	19	81						
✓	-35+60HN	0.05	280	80	980	30	10	50	<1		IS	IS	IS		
	-60IP	1.60	280	68	6300	83	04	24	78						
✓	-60IN	1.023	96	25	1420	19	:02	66	19						
Fine ✓	-60HP	0.56	220	68	3500	35	02	16	65						
✓	-60HN	1.04	62	8	258	3	02	18	2		4	IS	>20000 IS		2.05
✓	-400L	3.88	138	27	1620	13	05	10	12						
✓	ORG	6.079	110	21	1330	10	12	12	15						
	SLT		~35	~35	~300										

Scheelite grains

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Hot Leafort Aqua Regia - A.A.
Cu Pb Zn Mo Cd Co

83-839 (7-79)

C.F. MINERAL RESEARCH LIMITED

80 COLUMN DATA SHEET

		Weight Grams	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm	Cd ppm	Co ppm	V ppm	W ppm	Au ppb	Ba ppm	Ba # %
HMY240	-20+35HM	0.94	34	1.6	1.89	3	0.2	0.5	1.7	1425				
	-20+35HP	71.5	7.6	4.0	640	1.4	0.2	3.8	24					
	-20+35HN	346.5	1.96	1.6	235	5	0.2	1.4	4		5.0	IS	>200000	3.0
	-35+60IP	47.7	340	4.6	3000	6.7	0.2	1.0	4.1					
	-35+60IN	44.8	56	1.8	660	1.1	0.2	2.4	1.4					
	-35+60HM	1.1.1	1.1	1.0	161	5	0.2	0.3	1.2	1490				
	-35+60HP	31.4	9.6	4.6	930	1.5	0.2	4.3	2.6					
	-35+60HPN	1.40	600	2.6	685	1.1	0.2	3.2	1.6					
	-35+60HNN	66.9	85	4	311	5	1.2	1.9	6		2.5	>100000	>200000	2.0
	-60IP	57.1	285	51	3400	59	0.6	9.0	4.2					
	-60IN	1507	46	1.4	560	5	0.2	2.3	8					
	-60HP	27.7	129	4.7	1240	2.1	0.2	6.5	3.6					
	-60HPN	1.69	880	3.5	940	1.0	0.6	5.8	3.2					
	-60HNN	48.6	1.11	1.1	600	8	7.0	4.4	1.1		3.5	>100000	>200000	2.9
	-400L	47.0	1.17	2.4	1840	1.0	0.3	2.4	1.6					
	ORG	2572	84	1.6	1120	6	0.6	1.1	1.3					
	SLT		31	18	1050									

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50-55?

2 HMY 93 ?92 Is this a 2H?

83-C&D (7-76)

C.F. MINERAL RESEARCH LIMITED

CD COLUMN DATA SHEET

		Weight Grams	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm	Cd ppm	Co ppm	V ppm	W ppm	Au ppb	Ba ppm	Ba # %
HMY 241	-20+35HM	0.28	27	20	197	5	0.2	13	10	15				
	-20+35HP	24.9	130	57	2600	13	1.0	24	52					
	-20+35HN	1.76	68	38	377	5	0.2	25	5		3	<80	>20000	22
	-35+60IP	654	129	65	1580	21	0.2	11	39					
	-35+60IN	802	26	19	350	7	0.2	32	8					
	-35+60HM	176	11	12	131	4	0.2	0.4	13	1190				
	-35+60HP	553	88	88	960	11	0.2	79	29					
	-35+60HPN	169	78	46	310	6	0.2	24	9			✓		
Ba	-35+60HNN	46.1	44	15	198	7	0.8	1.7	2		2.05	5530	>200000	31
	-60IP	344	116	56	1350	15	0.3	24	35					
	-60IN	674	23	22	290	6	0.4	22	7					
	-60HP	681	78	67	680	10	0.2	43	23					
	-60HPN	242	114	98	235	5	0.2	24	11					
Ba	-60HNN	87.7	39	11	186	16	1.5	1.4	3		2.05	>10000	>20000	31
	-400L	360	154	38	810	7	0.2	63	19					
	ORG	844	102	24	600	5	0.4	7.4	14					
	SLT		27	24	410									

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53-838 (7-78)

C.F. MINERAL RESEARCH LIMITED

60 COLUMN DATA SHEET

		Weight Grams	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm	Cd ppm	Co ppm	V ppm	W ppm	Au ppb	Ba ppm	Ba # %
H.M.Y.242	-20+35HM	<0.01	75	50	2.75	50	0.2	02	50	IS				
	-20+35HP	0.49	10.1	84	9.75	1.6	IS	.75	3.4					
	-20+35HN	0.19	22	160	345	1.0	02	2.0	1.0		IS	IS	IS	
	-35+60IP	4.19	1.14	87	1360	2.0	0.2	8.0	40					
	-35+60IN	6.40	29	61	360	9	0.2	3	1.2					
	-35+60HM	0.24	12	1.7	147	1.0	02	05	3.6	IS				
	-35+60HP	1.80	68	81	610	8	0.2	44	27					
	-35+60HN	1.04	29	106	178	4	0.2	24	6		2	IS	>20000 IS	6.5
	-60IP	5.06	7.7	72	970	1.7	0.2	4.7	32					
	-60IN	14.90	38	46	350	7	0.2	24	10					
	-60HP	5.25	36	50	350	8	0.2	37	15					
	-60HPN	3.12	26	186	210	6	0.2	23	6					
	-60HNN	2.87	67	54	241	25	15	21	4		315	>10000	>20000	30
	-400L	3.15	136	47	465	5	0.2	37	16					
	ORG	5.96	122	40	320	5	0.8	6.9	14					
	SLT		38	37	320									

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C.F. MINERAL RESEARCH LIMITED

COLUMN DATA SHEET

		Weight Grams	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm	Cd ppm	Co ppm	V ppm	W ppm	Au ppb	Ba ppm	Ba # %
HMy255	-20+35HM	0.03	75	50	150	<1	0.2	0.2	50	IS				
	-20+35HP	0.10	144	83	1470	4.4	IS	2.8	78					
	-20+35HN	0.13	15	15	98	7	0.2	0.2	8		IS	IS	IS	
	-35+60IP	1.64	114	54	1100	2.5	0.2	2.1	59					
	-35+60IN	2.55	11	2.9	170	1.0	0.2	0.7	7					
	-35+60HM	0.01	75	<2	100	<1	0.2	0.2	<1	IS				
	-35+60HP	0.34	100	75	875	3.7	IS	2.5	75					
	-35+60HPN	0.05	21	33	250	2.8	IS	0.2	35					
	-35+60HNN	0.63	118	7	125	5	0.2	1.0	3		7	IS	IS	
	-60IP	0.57	65	34	750	1.5	IS	1.6	42					
	-60IN	5.49	22	22		7	0.2	0.7	7					
	-60HP	1.07	35	30	275	7	0.2	3.2	22					
	-60HPN	0.56	87	36	123	8	IS	0.9	11					
	-60HNN	6.39	33	6	76	4	0.5	0.4	2		2.5	1200	>20000	3.2
	-400L	6.10	186	34	400	6	0.5	2.3	12					
	ORG	18.18	85	20	240	4	0.2	2.0	10					
	SLT		64 36	47 23	960 305									

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