

Project: FWZ

Hole: NB20-009

Property:	NIDD	Survey Type:	GPS	Logged By:	J.Lewis	Hole Type:	DDH	
Prospect:	Boundary	Survey By:	J.Milton	Date Started:	2020-09-24	Company:	Fireweed Zinc	
UTM Grid:	NAD83_09	Date Surveyed:		Date Completed:	2020-10-10	Core Size:	HQ3	
UTM East:	421951	Survey Accuracy:	Handheld GPS +/- m	Drill Company:	NewAge	Casing Status:	Left in hole	
UTM North:	7010538	Grid Convergence:	-1.03	Drill Rig:	A5_1	Casing Depth (m):	9	
Elev. CGVD28 (m):	1200	Declination:	19.5	Drill Started:	2020-09-23	Reduced (m):		
Hole Status:	Complete	Dip:	-75	Drill Completed:	2020-10-04	Reduced Size:		
Hole Purpose:	EXPL	Length (m):	447.16	Approved By:		Oriented?:	Oriented	
		Comments:					Grouted?:	No

Top of hole logged by K.Purdue. The hole collared into radiolaria-rich black Fuller Lake mudstone, hitting laminated sulphides (Tom-Jason-style) ~ 40 m downhole. Laminated barite continued to ~ 46 m, followed by a mixture of semi-massive to massive sulphides and vein-hosted sulphides to ~ 76 m. From here, sulphide-flooded volcanoclastics run to ~ 106 m, after which bioturbated mudstone/siltstone of the Steel Formation (?) continues to ~ 150 m; steel grey sphalerite is contained within laminae throughout. Duo Lake graptolitic silt-banded mudstone runs to ~ 226 m, also mineralized in veins and along laminae. A large structure shears/faults the mudstone from 226 to 333 m, and a facies change occurs from silt banded to carbonaceous black Duo Lake mudstone ~ 285 m. An intrusive dyke, showing bleaching of mudstone, is well mineralized from 333 - 344 m; Duo Lake mudstone continues until EOH at 447.16. Sphalerite mineralization tapers off by ~ 405 m.

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	TN Azimuth	Mag. Azimuth	Grid Azimuth	Mag. Field	Roll	Accuracy	Confidence	Accept Values?	Comments
0	COLLAR	J.Milton	2020-09-25	-75	205	185.5	206.03			Handheld GPS +/- m	Good	☒	
3	DOWNHOLE		2020-10-04	-75.4	205	185.5	206.03	59445	223.1	Reflex EZ-trac +/- degrees	Good	☒	
6	DOWNHOLE		2020-10-04	-75.5	207.1	187.6	208.13	58454	222	Reflex EZ-trac +/- degrees	Good	☒	
9	DOWNHOLE		2020-10-04	-75.5	207.3	187.8	208.33	58177	220.9	Reflex EZ-trac +/- degrees	Good	☒	

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Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	TN Azimuth	Mag. Azimuth	Grid Azimuth	Mag. Field	Roll	Accuracy	Confidence	Accept Values?	Comments
12	DOWNHOLE		2020-10-04	-75.2	208.3	188.8	209.33	58062	220.2	Reflex EZ-trac +/- degrees	Good	☒	
15	DOWNHOLE		2020-10-04	-75.6	206.3	186.8	207.33	57993	221.2	Reflex EZ-trac +/- degrees	Good	☒	
18	DOWNHOLE		2020-10-04	-75.5	205.7	186.2	206.73	57970	221.5	Reflex EZ-trac +/- degrees	Good	☒	
21	DOWNHOLE		2020-10-04	-75.5	206.5	187	207.53	57945	221.2	Reflex EZ-trac +/- degrees	Good	☒	
24	DOWNHOLE		2020-10-04	-75.5	207.4	187.9	208.43	57923	220.7	Reflex EZ-trac +/- degrees	Good	☒	
27	DOWNHOLE		2020-10-04	-75.5	206.7	187.2	207.73	57919	221.5	Reflex EZ-trac +/- degrees	Good	☒	
30	DOWNHOLE		2020-10-04	-75.5	207.6	188.1	208.63	57903	220.6	Reflex EZ-trac +/- degrees	Good	☒	
33	DOWNHOLE		2020-10-04	-75.3	208.2	188.7	209.23	57904	221	Reflex EZ-trac +/- degrees	Good	☒	
36	DOWNHOLE		2020-10-04	-75.2	204.6	185.1	205.63	57900	223.5	Reflex EZ-trac +/- degrees	Good	☒	
39	DOWNHOLE		2020-10-04	-75.6	208.6	189.1	209.63	57910	221.8	Reflex EZ-trac +/- degrees	Good	☒	
42	DOWNHOLE		2020-10-04	-75.6	208.5	189	209.53	57911	222.8	Reflex EZ-trac +/- degrees	Good	☒	
45	DOWNHOLE		2020-10-04	-75.6	208.1	188.6	209.13	57913	223.5	Reflex EZ-trac +/- degrees	Good	☒	
48	DOWNHOLE		2020-10-04	-75.7	208.5	189	209.53	57913	224	Reflex EZ-trac +/- degrees	Good	☒	
51	DOWNHOLE		2020-10-04	-75.8	208.2	188.7	209.23	57902	224.6	Reflex EZ-trac +/- degrees	Good	☒	

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Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	TN Azimuth	Mag. Azimuth	Grid Azimuth	Mag. Field	Roll	Accuracy	Confidence	Accept Values?	Comments
54	DOWNHOLE		2020-10-04	-75.7	208.6	189.1	209.63	57892	225	Reflex EZ-trac +/- degrees	Good	☒	
57	DOWNHOLE		2020-10-04	-75.6	208.7	189.2	209.73	57894	225.5	Reflex EZ-trac +/- degrees	Good	☒	
60	DOWNHOLE		2020-10-04	-75.7	209.1	189.6	210.13	57877	225.7	Reflex EZ-trac +/- degrees	Good	☒	
63	DOWNHOLE		2020-10-04	-75.7	209.1	189.6	210.13	57882	254.3	Reflex EZ-trac +/- degrees	Good	☒	
66	DOWNHOLE		2020-10-04	-75.7	209.1	189.6	210.13	57885	255.4	Reflex EZ-trac +/- degrees	Good	☒	
69	DOWNHOLE		2020-10-04	-75.7	208.6	189.1	209.63	57876	256.4	Reflex EZ-trac +/- degrees	Good	☒	
72	DOWNHOLE		2020-10-04	-75.8	208.4	188.9	209.43	57895	257.5	Reflex EZ-trac +/- degrees	Good	☒	
75	DOWNHOLE		2020-10-04	-76	207.7	188.2	208.73	57881	258.2	Reflex EZ-trac +/- degrees	Good	☒	
78	DOWNHOLE		2020-10-04	-75.8	208.4	188.9	209.43	57889	258.9	Reflex EZ-trac +/- degrees	Good	☒	
81	DOWNHOLE		2020-10-04	-75.8	208.1	188.6	209.13	57890	259.4	Reflex EZ-trac +/- degrees	Good	☒	
84	DOWNHOLE		2020-10-04	-75.8	207.7	188.2	208.73	57888	260	Reflex EZ-trac +/- degrees	Good	☒	
87	DOWNHOLE		2020-10-04	-75.8	208	188.5	209.03	57889	260.2	Reflex EZ-trac +/- degrees	Good	☒	
90	DOWNHOLE		2020-10-04	-75.8	208.8	189.3	209.83	57889	260.3	Reflex EZ-trac +/- degrees	Good	☒	
93	DOWNHOLE		2020-10-04	-75.8	208.1	188.6	209.13	57899	261.9	Reflex EZ-trac +/- degrees	Good	☒	

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Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	TN Azimuth	Mag. Azimuth	Grid Azimuth	Mag. Field	Roll	Accuracy	Confidence	Accept Values?	Comments
96	DOWNHOLE		2020-10-04	-76	208.5	189	209.53	57893	261.7	Reflex EZ-trac +/- degrees	Good	☒	
99	DOWNHOLE		2020-10-04	-75.8	208.8	189.3	209.83	57897	262.4	Reflex EZ-trac +/- degrees	Good	☒	
102	DOWNHOLE		2020-10-04	-75.8	208.4	188.9	209.43	57895	265.8	Reflex EZ-trac +/- degrees	Good	☒	
105	DOWNHOLE		2020-10-04	-75.8	209	189.5	210.03	57898	265.8	Reflex EZ-trac +/- degrees	Good	☒	
108	DOWNHOLE		2020-10-04	-75.8	209.1	189.6	210.13	57892	266.5	Reflex EZ-trac +/- degrees	Good	☒	
111	DOWNHOLE		2020-10-04	-75.8	209	189.5	210.03	57897	267.5	Reflex EZ-trac +/- degrees	Good	☒	
114	DOWNHOLE		2020-10-04	-75.9	208.9	189.4	209.93	57900	268.4	Reflex EZ-trac +/- degrees	Good	☒	
117	DOWNHOLE		2020-10-04	-75.9	209	189.5	210.03	57895	268.6	Reflex EZ-trac +/- degrees	Good	☒	
120	DOWNHOLE		2020-10-04	-75.9	209.1	189.6	210.13	57896	269.6	Reflex EZ-trac +/- degrees	Good	☒	
123	DOWNHOLE		2020-10-04	-75.9	209.4	189.9	210.43	57896	269.8	Reflex EZ-trac +/- degrees	Good	☒	
126	DOWNHOLE		2020-10-04	-75.9	209.3	189.8	210.33	57891	270.4	Reflex EZ-trac +/- degrees	Good	☒	
129	DOWNHOLE		2020-10-04	-76	209.3	189.8	210.33	57902	271.5	Reflex EZ-trac +/- degrees	Good	☒	
132	DOWNHOLE		2020-10-04	-76	209	189.5	210.03	57904	272.2	Reflex EZ-trac +/- degrees	Good	☒	
135	DOWNHOLE		2020-10-04	-76	209	189.5	210.03	57933	273.2	Reflex EZ-trac +/- degrees	Good	☒	

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Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	TN Azimuth	Mag. Azimuth	Grid Azimuth	Mag. Field	Roll	Accuracy	Confidence	Accept Values?	Comments
138	DOWNHOLE		2020-10-04	-76	209.1	189.6	210.13	57903	274.4	Reflex EZ-trac +/- degrees	Good	☒	
141	DOWNHOLE		2020-10-04	-76	208.7	189.2	209.73	57901	276.2	Reflex EZ-trac +/- degrees	Good	☒	
144	DOWNHOLE		2020-10-04	-76	208.8	189.3	209.83	57903	276.8	Reflex EZ-trac +/- degrees	Good	☒	
147	DOWNHOLE		2020-10-04	-76.1	209.1	189.6	210.13	57834	277.8	Reflex EZ-trac +/- degrees	Good	☒	
150	DOWNHOLE		2020-10-04	-75.9	208.8	189.3	209.83	57910	279.2	Reflex EZ-trac +/- degrees	Good	☒	
153	DOWNHOLE		2020-10-04	-76.1	209.1	189.6	210.13	57907	280	Reflex EZ-trac +/- degrees	Good	☒	
159	DOWNHOLE		2020-10-04	-76.1	209.7	190.2	210.73	57909	281.6	Reflex EZ-trac +/- degrees	Good	☒	
162	DOWNHOLE		2020-10-04	-76.2	209.5	190	210.53	57912	282.3	Reflex EZ-trac +/- degrees	Good	☒	
165	DOWNHOLE		2020-10-04	-76.2	211	191.5	212.03	57919	282	Reflex EZ-trac +/- degrees	Good	☒	
168	DOWNHOLE		2020-10-04	-76.2	209.6	190.1	210.63	57925	283.3	Reflex EZ-trac +/- degrees	Good	☒	
171	DOWNHOLE		2020-10-04	-76.2	209.7	190.2	210.73	57930	284.5	Reflex EZ-trac +/- degrees	Good	☒	
174	DOWNHOLE		2020-10-04	-76.2	209.9	190.4	210.93	57932	285.7	Reflex EZ-trac +/- degrees	Good	☒	
177	DOWNHOLE		2020-10-04	-76.2	209.5	190	210.53	57933	286.7	Reflex EZ-trac +/- degrees	Good	☒	
180	DOWNHOLE		2020-10-04	-76.2	209.8	190.3	210.83	57935	288.7	Reflex EZ-trac +/- degrees	Good	☒	

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183	DOWNHOLE		2020-10-04	-76.2	209.7	190.2	210.73	57932	289.8	Reflex EZ-trac +/- degrees	Good	☒	
186	DOWNHOLE		2020-10-04	-76.2	209.8	190.3	210.83	57929	291.2	Reflex EZ-trac +/- degrees	Good	☒	
189	DOWNHOLE		2020-10-04	-76.2	209.8	190.3	210.83	57932	292.7	Reflex EZ-trac +/- degrees	Good	☒	
192	DOWNHOLE		2020-10-04	-76.2	209.6	190.1	210.63	57964	293.2	Reflex EZ-trac +/- degrees	Good	☒	
195	DOWNHOLE		2020-10-04	-76.3	209.7	190.2	210.73	57963	296.2	Reflex EZ-trac +/- degrees	Good	☒	
198	DOWNHOLE		2020-10-04	-76.3	209.7	190.2	210.73	57966	299	Reflex EZ-trac +/- degrees	Good	☒	
201	DOWNHOLE		2020-10-04	-76.3	209.9	190.4	210.93	57961	301.8	Reflex EZ-trac +/- degrees	Good	☒	
204	DOWNHOLE		2020-10-04	-76.3	210	190.5	211.03	57966	303.9	Reflex EZ-trac +/- degrees	Good	☒	
207	DOWNHOLE		2020-10-04	-76.3	209.4	189.9	210.43	57968	306.1	Reflex EZ-trac +/- degrees	Good	☒	
210	DOWNHOLE		2020-10-04	-76.3	210	190.5	211.03	57968	319.1	Reflex EZ-trac +/- degrees	Good	☒	
213	DOWNHOLE		2020-10-04	-76.3	210.2	190.7	211.23	57985	325.9	Reflex EZ-trac +/- degrees	Good	☒	
216	DOWNHOLE		2020-10-04	-76.2	210.3	190.8	211.33	57971	341.2	Reflex EZ-trac +/- degrees	Good	☒	
219	DOWNHOLE		2020-10-04	-76.3	210.2	190.7	211.23	57979	359.5	Reflex EZ-trac +/- degrees	Good	☒	
222	DOWNHOLE		2020-10-04	-76.3	210.3	190.8	211.33	57974	18.6	Reflex EZ-trac +/- degrees	Good	☒	

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225	DOWNHOLE		2020-10-04	-76.3	210.6	191.1	211.63	57968	23.4	Reflex EZ-trac +/- degrees	Good	☒	
228	DOWNHOLE		2020-10-04	-76.4	210.8	191.3	211.83	57971	41.4	Reflex EZ-trac +/- degrees	Good	☒	
231	DOWNHOLE		2020-10-04	-76.4	210.8	191.3	211.83	57965	49.6	Reflex EZ-trac +/- degrees	Good	☒	
234	DOWNHOLE		2020-10-04	-76.5	211.2	191.7	212.23	57969	52.9	Reflex EZ-trac +/- degrees	Good	☒	
237	DOWNHOLE		2020-10-04	-76.4	211.2	191.7	212.23	57967	56.3	Reflex EZ-trac +/- degrees	Good	☒	
240	DOWNHOLE		2020-10-04	-76.5	211	191.5	212.03	57963	72.3	Reflex EZ-trac +/- degrees	Good	☒	
243	DOWNHOLE		2020-10-04	-76.5	211.1	191.6	212.13	57983	88.4	Reflex EZ-trac +/- degrees	Good	☒	
246	DOWNHOLE		2020-10-04	-76.6	211	191.5	212.03	57980	91.8	Reflex EZ-trac +/- degrees	Good	☒	
249	DOWNHOLE		2020-10-04	-76.7	211	191.5	212.03	57976	108.1	Reflex EZ-trac +/- degrees	Good	☒	
252	DOWNHOLE		2020-10-04	-76.7	211.2	191.7	212.23	57970	111.4	Reflex EZ-trac +/- degrees	Good	☒	
255	DOWNHOLE		2020-10-04	-76.7	211.4	191.9	212.43	57994	122.8	Reflex EZ-trac +/- degrees	Good	☒	
258	DOWNHOLE		2020-10-04	-76.8	211.4	191.9	212.43	57981	136.2	Reflex EZ-trac +/- degrees	Good	☒	
261	DOWNHOLE		2020-10-04	-76.7	211.2	191.7	212.23	57992	149.6	Reflex EZ-trac +/- degrees	Good	☒	
264	DOWNHOLE		2020-10-04	-76.8	211.5	192	212.53	57986	162.9	Reflex EZ-trac +/- degrees	Good	☒	

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267	DOWNHOLE		2020-10-04	-76.7	210.9	191.4	211.93	57957	165.9	Reflex EZ-trac +/- degrees	Good	☒	
270	DOWNHOLE		2020-10-04	-76.8	210.7	191.2	211.73	57988	168.4	Reflex EZ-trac +/- degrees	Good	☒	
273	DOWNHOLE		2020-10-04	-76.8	210.7	191.2	211.73	57982	178.6	Reflex EZ-trac +/- degrees	Good	☒	
276	DOWNHOLE		2020-10-04	-76.7	211.1	191.6	212.13	58005	180	Reflex EZ-trac +/- degrees	Good	☒	
279	DOWNHOLE		2020-10-04	-76.7	211.5	192	212.53	58010	183.2	Reflex EZ-trac +/- degrees	Good	☒	
282	DOWNHOLE		2020-10-04	-76.7	211.2	191.7	212.23	57998	184.5	Reflex EZ-trac +/- degrees	Good	☒	
285	DOWNHOLE		2020-10-04	-76.7	211.7	192.2	212.73	58005	192	Reflex EZ-trac +/- degrees	Good	☒	
288	DOWNHOLE		2020-10-04	-76.7	211.5	192	212.53	58028	193.2	Reflex EZ-trac +/- degrees	Good	☒	
291	DOWNHOLE		2020-10-04	-76.7	211.7	192.2	212.73	58005	206.9	Reflex EZ-trac +/- degrees	Good	☒	
294	DOWNHOLE		2020-10-04	-76.6	211	191.5	212.03	58023	257.4	Reflex EZ-trac +/- degrees	Good	☒	
297	DOWNHOLE		2020-10-04	-76.7	210.9	191.4	211.93	58035	270.4	Reflex EZ-trac +/- degrees	Good	☒	
300	DOWNHOLE		2020-10-04	-76.6	211.4	191.9	212.43	58023	283.3	Reflex EZ-trac +/- degrees	Good	☒	
303	DOWNHOLE		2020-10-04	-76.7	211.7	192.2	212.73	58015	297.6	Reflex EZ-trac +/- degrees	Good	☒	
306	DOWNHOLE		2020-10-04	-76.7	211.8	192.3	212.83	57997	299	Reflex EZ-trac +/- degrees	Good	☒	

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309	DOWNHOLE		2020-10-04	-76.6	211.8	192.3	212.83	58050	299.8	Reflex EZ-trac +/- degrees	Good	☒	
312	DOWNHOLE		2020-10-04	-76.7	211.7	192.2	212.73	58011	313.3	Reflex EZ-trac +/- degrees	Good	☒	
315	DOWNHOLE		2020-10-04	-76.7	211.7	192.2	212.73	58028	317.9	Reflex EZ-trac +/- degrees	Good	☒	
318	DOWNHOLE		2020-10-04	-76.6	212	192.5	213.03	58042	318.6	Reflex EZ-trac +/- degrees	Good	☒	
321	DOWNHOLE		2020-10-04	-76.6	212.2	192.7	213.23	58000	332.1	Reflex EZ-trac +/- degrees	Good	☒	
324	DOWNHOLE		2020-10-04	-76.6	211.5	192	212.53	58075	332.1	Reflex EZ-trac +/- degrees	Good	☒	
327	DOWNHOLE		2020-10-04	-76.6	212	192.5	213.03	58025	339.4	Reflex EZ-trac +/- degrees	Good	☒	
330	DOWNHOLE		2020-10-04	-76.5	211.5	192	212.53	57970	341.7	Reflex EZ-trac +/- degrees	Good	☒	
333	DOWNHOLE		2020-10-04	-76.5	211.7	192.2	212.73	57995	346.9	Reflex EZ-trac +/- degrees	Good	☒	
336	DOWNHOLE		2020-10-04	-76.4	213.5	194	214.53	57993	346.3	Reflex EZ-trac +/- degrees	Good	☒	
339	DOWNHOLE		2020-10-04	-76.6	211.9	192.4	212.93	58038	1.4	Reflex EZ-trac +/- degrees	Good	☒	
342	DOWNHOLE		2020-10-04	-76.7	212.3	192.8	213.33	57998	5.1	Reflex EZ-trac +/- degrees	Good	☒	
351	DOWNHOLE		2020-10-04	-76.6	213	193.5	214.03	58073	330.6	Reflex EZ-trac +/- degrees	Good	☒	
354	DOWNHOLE		2020-10-04	-76.6	213.1	193.6	214.13	58087	330.4	Reflex EZ-trac +/- degrees	Good	☒	

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357	DOWNHOLE		2020-10-04	-76.6	213.1	193.6	214.13	58092	343.4	Reflex EZ-trac +/- degrees	Good	☒	
360	DOWNHOLE		2020-10-04	-76.7	213.5	194	214.53	58073	357.2	Reflex EZ-trac +/- degrees	Good	☒	
363	DOWNHOLE		2020-10-04	-76.7	213.8	194.3	214.83	58060	9.2	Reflex EZ-trac +/- degrees	Good	☒	
366	DOWNHOLE		2020-10-04	-76.5	214.5	195	215.53	58085	26.4	Reflex EZ-trac +/- degrees	Good	☒	
369	DOWNHOLE		2020-10-04	-76.6	214.6	195.1	215.63	58083	30.5	Reflex EZ-trac +/- degrees	Good	☒	
372	DOWNHOLE		2020-10-04	-76.6	214.9	195.4	215.93	58068	41.7	Reflex EZ-trac +/- degrees	Good	☒	
375	DOWNHOLE		2020-10-04	-76.7	214.7	195.2	215.73	58079	46.3	Reflex EZ-trac +/- degrees	Good	☒	
378	DOWNHOLE		2020-10-04	-76.7	214.2	194.7	215.23	58068	45.9	Reflex EZ-trac +/- degrees	Good	☒	
381	DOWNHOLE		2020-10-04	-76.6	214.5	195	215.53	58071	60.8	Reflex EZ-trac +/- degrees	Good	☒	
384	DOWNHOLE		2020-10-04	-76.6	214.7	195.2	215.73	58069	77.1	Reflex EZ-trac +/- degrees	Good	☒	
387	DOWNHOLE		2020-10-04	-76.6	214.5	195	215.53	58063	78.2	Reflex EZ-trac +/- degrees	Good	☒	
390	DOWNHOLE		2020-10-04	-76.7	214.7	195.2	215.73	58055	91.9	Reflex EZ-trac +/- degrees	Good	☒	
393	DOWNHOLE		2020-10-04	-76.7	214.7	195.2	215.73	58048	92.8	Reflex EZ-trac +/- degrees	Good	☒	
396	DOWNHOLE		2020-10-04	-76.6	215.2	195.7	216.23	58022	99.7	Reflex EZ-trac +/- degrees	Good	☒	

Hole: NB20-009

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	TN Azimuth	Mag. Azimuth	Grid Azimuth	Mag. Field	Roll	Accuracy	Confidence	Accept Values?	Comments
420	DOWNHOLE		2020-09-30	-78.8	214.8	195.3	215.83	58112		Reflex EZ-trac +/- degrees	Good	☒	
447	DOWNHOLE		2020-09-25	-77.1	214.1	194.6	215.13	58151		Reflex EZ-trac +/- degrees	Good	☒	

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
0.00	9.00	CASE									
		Casing									
9.00	30.41	BMST									
		Black mudstone									
		Black									
		FM									
Black 'gritty' mudstone with abundant radiolaria and minor disseminated pyrite. Bedding occurs at a low to medium orientation to the core axis. Interval is moderately silicified and terminates into gouge/shear. Quartz veins are commonly mm-scale, massive, planar and oriented normal to bedding while sheared and brecciated quartz veins up to cm-scale are abundant towards the end of the interval. Veins are unmineralized. Fine-grained, disseminated pyrite is common, ranging from 1-5% with uncommon localized intervals of 10-15%. Pyrite is also present as uncommon cm-scale, coarse-grained nodules. <<Min: 9 - 30.41: 3% Pyrite>> Disseminated pyrite ranges from 1-3%. Pyrite variably replaces mm-scale laminae and occurs as uncommon mm to cm-scale nodules occur along bedding planes throughout. <<Alt: 9 - 30.41: Weak Silicification>>											
11.50	12.50		1.00	3202978	0.03	0.005	0.005	12.6	1.6		
12.50	13.40		0.90	3202979	0.08	0.02	0.005	8	2.1		
13.40	14.50		1.10	3202981	0.05	0.01	0.005	9.5	1.7		
14.50	15.70		1.20	3202983	0.06	0.01	0.005	13.6	1.8		
15.70	18.00		2.30	3202984	0.01	0.005	0.005	11.5	0.9		
18.00	19.25		1.25	3202985	0.07	0.01	0.005	22.8	2.1		
19.25	20.50		1.25	3202986	0.15	0.02	0.005	70.5	4.4		
20.50	21.50		1.00	3202987	0.08	0.005	0.005	62.6	3.3		
21.50	22.50		1.00	3202988	0.07	0.005	0.005	63.4	3		
22.50	23.50		1.00	3202989	0.05	0.005	0.005	70.5	2.2		
23.50	24.55		1.05	3202990	0.07	0.005	0.005	91.7	2.9		
24.55	25.50		0.95	3202991	0.05	0.005	0.005	183.6	2.1		
25.50	26.50		1.00	3202992	0.2	0.02	0.005	218.7	6		
26.50	27.52		1.02	3202993	0.24	0.03	0.005	654.7	6.9		
27.52	28.50		0.98	3202994	0.18	0.03	0.01	221.5	4.6		
28.50	29.45		0.95	3202995	0.12	0.005	0.005	133.1	4.3		
29.45	30.41		0.96	3202996	0.09	0.005	0.005	124.9	3.6		

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
30.41	40.30	BMST Black mudstone Black FG									
Fine-grained black mudstone transitioning into mudstone with barite laminae, disseminated barite snowflakes and nodules. Interval is moderately silicified. Mm-scale unmineralized quartz veins uncommonly cross-cut bedding at a medium to high angle to the core axis. Bedding alphas commonly range from 40-50 degrees. Pyrite mineralization occurs as dissemination, bedding replacement and pseudomorph textures. Pyrite variably replaces barite snowflakes and rarely replaces mm-scale laminae throughout. Barite is present as fine to coarse-grained laminae and medium to very coarse-grained snowflakes (disseminated in beds) occurring more commonly downhole at ~38-40 m. Cm-scale to cm-scale barite nodules also occur along bedding. <<Min: 30.41 - 40.3: 5% Barite / 3% Pyrite>> Pyrite mineralization occurs as dissemination, bedding replacement and pseudomorph textures. Pyrite variably replaces barite snowflakes and rarely replaces mm-scale laminae throughout. Barite is present as fine to coarse-grained laminae and medium to very coarse-grained snowflakes (disseminated in beds) occurring more commonly downhole beginning at ~38-40 m. Cm-scale to cm-scale barite nodules also occur along bedding. <<Alt: 30.41 - 40.3: Moderate Silicification>> <<Struc: 36.27 - 36.27: Bedding>> <<Struc: 37.19 - 37.19: Bedding>>											
30.41	31.45	1.04	3202997	0.25	0.03	0.005	786.6	7.3			
31.45	33.00	1.55	3202998	0.19	0.03	0.005	302.4	5.4			
33.00	34.00	1.00	3202999	0.17	0.02	0.005	191.2	5.1			
34.00	35.05	1.05	3203001	0.24	0.03	0.01	174.2	6.4			
35.05	36.05	1.00	3203003	0.21	0.03	0.01	195.6	5.4			
36.05	37.06	1.01	3203004	0.15	0.03	0.005	226	4.2			
37.06	38.05	0.99	3203005	0.29	0.11	0.005	336.1	6.2			
38.05	39.00	0.95	3203006	0.08	0.02	0.005	153.3	2.2			
39.00	39.65	0.65	3203007	0.13	0.02	0.02	99.7	2.9			
39.65	40.30	0.65	3203008	0.09	0.03	0.005	159.8	2.2			

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
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**40.30 42.49 LSGB Laminated: sphalerite-galena- Grey FM
barite>mudstone-chert**

Mudstone containing semi-massive pyrite transitions to massive laminated sulphides downhole. Uncommon, massive and planar mm-scale quartz veins cross-cut pyrite nodules at a medium to high angles to the core axis.

Semi-massive sulphides predominantly composed of fine to medium-grained pyrite nodules ranging from approximately 3-30 mm transition to laminated sulphides containing barite, galena and sphalerite at 41.22 m. Nodular pyrite is common in the upper half of the interval and uncommonly occurs as mm-scale blebs or cm-scale nodules within the layered sulphides. Medium to coarse-grained straw and fine-grained pink-brown sphalerite commonly occur within the laminae while medium-grained metallic-pink sphalerite is less abundant. Galena occurs as fine-grained laminae.

<<Min: 40.3 - 42.49: 25% Sphalerite / 20% Pyrite / 10% Barite / 10% Galena>> Semi-massive sulphides predominantly composed of fine to medium-grained pyrite nodules ranging from approximately 3-30 mm transition to laminated sulphides containing barite, galena and sphalerite at 41.22 m. Nodular pyrite is common in the upper half of the interval and uncommonly occurs as mm-scale blebs or cm-scale nodules within the layered sulphides. Medium to coarse-grained straw and fine-grained pink-brown sphalerite commonly occur within the laminae while medium-grained metallic-pink sphalerite is less abundant. Galena occurs as fine-grained laminae.

40.30	41.40	1.10	3203009	11.46	2.2	8.49	94.1	30
41.40	42.49	1.09	3203010	55.05	8.33	44.8	211.9	77.6
42.49	43.45	0.96	3203011	0.32	0.07	0.1	55.1	5
43.45	44.40	0.95	3203012	0.16	0.03	0.005	66.6	4.6

42.49 46.26 LBAR Laminated: barite Light Grey FM

Silicified barite laminae, nodules and snowflakes in mudstone containing a minor interval of semi-massive sulphide. Black mudstone with abundant barite laminae and minor interbedded diamictite. Bedding is approximately INSERT AFTER PICS. Interval has been moderately to heavily silicified, commonly replacing barite. Two unmineralized, massive and planar cm-scale quartz veins are oriented at ~45-55 degrees in the first 30 cm of the interval. Hairline to mm-scale quartz veins commonly occur at a low angle to the core axis.

Laminated barite is silicified at the beginning 30 cm of the interval. Barite snowflakes and nodules are present throughout. Disseminated pyrite, minor pyrite nodules and laminations also occur throughout the interval. A ~30 cm section of semi-massive fine-grained nodular pyrite occurs at 43.25 m.

<<Min: 42.49 - 46.26: 15% Pyrite / 10% Barite>>

Laminated barite is silicified at the beginning 30 cm of the interval. Barite snowflakes and nodules are present throughout. Disseminated pyrite, minor pyrite nodules and laminations also occur throughout the interval. A ~30 cm section of semi-massive fine-grained nodular pyrite occurs at 43.25 m.

<<Alt: 42.49 - 46.26: Strong Silicification>>

<<Struc: 43.62 - 43.62: Bedding>>

<<Struc: 43.9 - 43.9: Bedding>>

44.40	45.40	1.00	3203013	0.2	0.04	0.005	83.9	5.5
45.40	46.26	0.86	3203014	0.44	0.11	0.15	261.4	6.1

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Zn Equiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
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<<Struc: 44.66 - 44.66: Bedding>>

<<Struc: 44.9 - 44.9: Bedding>>

46.26 51.69 MXSX Massive sulphide Dark Yellow FC

Massive sulphides interbedded with mudstone-hosted semi-massive sulphides. Mineralization consists of massive pyrite with patchy metallic-pink to red sphalerite cut by cm-scale quartz veins. Cm-scale brecciated quartz veins occur at irregular orientations and uncommonly contain minor coarse-grained straw sphalerite. Brecciated mudstone is noted throughout. A soft white, weathered-out mineral commonly occurs on the borders of the cm-scale quartz veins.

Pyrite and the metallic-pink to red sphalerite range from fine to coarse-grained while the minor straw sphalerite is consistently coarse-grained. Sulphide mineralization is commonly coarser on the borders of cm-scale quartz veins. A fine-grained gray-brown sphalerite occurs in conjunction with the coarser-grained metallic-pink or red sphalerite. Mm-scale quartz and straw sphalerite veins cross-cut earlier massive sulphides.

<<Min: 46.26 - 51.69: 40% Pyrite / 10% Sphalerite>> Pyrite and the metallic-pink to red sphalerite range from fine to coarse-grained while the minor straw sphalerite is consistently coarse-grained. Sulphide mineralization is commonly coarser on the borders of cm-scale quartz veins. A fine-grained gray-brown sphalerite occurs in conjunction with the coarser-grained metallic-pink or red sphalerite. Mm-scale quartz and straw sphalerite veins cross-cut earlier massive sulphides.

<<Alt: 46.26 - 52.45: Weak Silicification>>

46.26	47.25	0.99	3203015	4.92	0.11	4.31	123.1	18.1
47.25	48.25	1.00	3203016	10.1	0.07	9.5	720.7	19.1
48.25	49.25	1.00	3203017	10.25	0.6	8.33	216.2	48.2
49.25	50.25	1.00	3203018	11.68	0.63	9.72	405.6	48.8
50.25	51.00	0.75	3203019	8.72	0.33	7.55	349.7	30.7
51.00	51.69	0.69	3203021	2.57	0.21	1.98	94.4	13.8

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
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51.69 66.83 SMSX Semi-massive sulphide Dark Yellow FC

Interbedded mudstone and minor diamictite with semi-massive to massive sulphides. Two intervals of massive sulphides occur from 61.85-62.32 m and 64.48-65.78 m.

Diamictite beds are up to 20 cm thick and contain sub-angular to rounded, coarse-sand to rare cobble-sized clasts and are interbedded within the fine-grained mudstone. Mudstone contains disseminated and laminated pyrite as well as barite snowflakes. The mudstone has been previously brecciated and contains a dark-grey siliceous matrix that is variably replaced by pyrite and minor sphalerite. From 52.45-55.64 m, the interval is heavily silicified. Low angle mm-scale quartz veins occur commonly as well as cm-scale vuggy quartz veins and brecciated quartz veins.

Pyrite mineralization occurs as disseminated pyrite or as replacement textures. Pyrite variably replaces diamictite clasts and matrix as well as minor mudstone bedding. Sphalerite occurs as replacement textures with uncommon vein-hosted mineralization. Some light grey diamictite clasts host coarse-grained subhedral to anhedral metallic-pink sphalerite while other clasts are variably replaced or infiltrated by fine-grained pyrite. Low angle coarse-grained metallic-pink sphalerite veins and later quartz-straw sphalerite veins cross-cut semi-massive sulphides and mudstone/diamictite. Medium to coarse metallic-pink sphalerite and minor straw sphalerite occur with pyrite as patchy mineralization within the semi-massive and massive sulphides.

<<Min: 51.69 - 66.83: 40% Pyrite / 10% Sphalerite / 2% Barite>> Pyrite mineralization occurs as disseminated pyrite or as replacement textures. Pyrite variably replaces diamictite clasts and matrix as well as minor mudstone bedding. Sphalerite occurs as replacement textures with uncommon vein-hosted mineralization. Some light grey diamictite clasts host coarse-grained subhedral to anhedral metallic-pink sphalerite while other clasts are variably replaced or infiltrated by fine-grained pyrite. Low angle coarse-grained metallic-pink sphalerite veins and later quartz-straw sphalerite veins cross-cut semi-massive sulphides and mudstone/diamictite. Medium to coarse metallic-pink sphalerite and minor straw sphalerite occur with pyrite as patchy mineralization within the semi-massive and massive sulphides.

<<Alt: 52.45 - 55.64: Strong Silicification>>

<<Alt: 55.64 - 66.83: Moderate Silicification>>

<<Struc: 53.81 - 53.81: Stylolite>>

51.69	52.70	1.01	3203023	0.3	0.04	0.11	65.8	4.9
52.70	53.65	0.95	3203024	2.44	0.03	2.21	57.9	7.2
53.65	54.65	1.00	3203025	0.11	0.01	0.05	31.5	1.8
54.65	55.65	1.00	3203026	0.46	0.04	0.23	67	6.5
55.65	56.60	0.95	3203027	4.75	0.25	3.8	287.8	25.6
56.60	57.70	1.10	3203028	2.52	0.11	1.93	307.7	17.6
57.70	58.70	1.00	3203029	1.71	0.06	1.37	193.2	10.3
58.70	60.75	2.05	3203030	2.63	0.09	2.15	395.6	14.3
60.75	61.75	1.00	3203031	9.89	1.03	8.14	655.2	27

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			61.75	62.75	1.00	3203032	7.81	0.19	6.85	174.8	28.2
			62.75	63.75	1.00	3203033	5.56	0.15	4.81	163.2	22
			63.75	64.75	1.00	3203034	8.32	0.11	7.64	162.6	20.6
			64.75	65.80	1.05	3203035	4.97	0.14	4.3	759.8	19.4
			65.80	66.78	0.98	3203036	1.99	0.1	1.46	214.7	15.6
			66.78	67.85	1.07	3203037	3.46	0.08	2.92	437.4	16.7
			67.85	68.82	0.97	3203038	6.46	0.15	5.69	371.4	22.4
66.83	77.08	MDST Mudstone									
		Dark Grey FG									
Brecciated mudstone with stockwork veining and semi-massive sulphide mineralization. Mudstone has been brecciated and infilled by a dark-grey siliceous matrix. Later brecciation by quartz and sulphide veins has occurred, as well as pyrite replacement of the earlier siliceous matrix. Interval ranges from weakly to moderately silicified. Bedding commonly occurs low angle to the core axis, steepening downhole, alphas range from 20-70 degrees.											
Complex vein relationships within the interval. Mm to cm-scale quartz veins, quartz-sulphide, and sulphide veins occur as stockwork, brecciated and irregular orientations. Veins are commonly oriented at a medium angle to the core axis but uncommon cm-scale quartz veins are irregular and occur at a low angle to the core axis.											
Pyrite occurs as disseminated pyrite, irregular veins, bedding/clast replacement and breccia infill. Coarse-grained metallic-pink sphalerite is predominantly vein-hosted and variably replaces earlier siliceous matrix more commonly in the upper half of the interval. Straw sphalerite is rare. The last 5 m of the interval contains very minor sphalerite mineralization and is predominantly pyrite.											
<<Min: 66.83 - 77.08: 15% Pyrite / 3% Sphalerite>> Pyrite occurs as disseminated pyrite, irregular veins, bedding/clast replacement and breccia infill. Coarse-grained metallic-pink sphalerite is predominantly vein-hosted and variably replaces earlier siliceous matrix more commonly in the upper half of the interval. Straw sphalerite is rare. The last 5 m of the interval contains very minor sphalerite mineralization and is predominantly pyrite.											
<<Alt: 66.83 - 77.08: Weak Silicification>>											
<<Struc: 72.72 - 72.72: Bedding>>											
			68.82	69.85	1.03	3203039	4.25	0.11	3.6	333.9	19.7
			69.85	70.75	0.90	3203041	2.18	0.08	1.79	281.9	11.4
			70.75	71.75	1.00	3203043	2.89	0.05	2.55	391.2	10.4
			71.75	72.80	1.05	3203044	0.81	0.05	0.54	83.1	7.6
			72.80	73.80	1.00	3203045	0.51	0.06	0.21	99.4	8.1
			73.80	74.80	1.00	3203046	0.81	0.05	0.53	157.1	8.1
			74.80	75.80	1.00	3203047	1.82	0.07	1.51	363.9	8.8
			75.80	76.35	0.55	3203048	0.5	0.04	0.28	198.5	6.1
			76.35	77.08	0.73	3203049	3.04	0.11	2.59	580.5	12.5
			77.08	78.00	0.92	3203050	1.77	0.08	1.43	192.8	9.3

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Zn Equiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
77.08	106.21	MXSX Massive sulphide Dark Yellow FC	78.00	79.00	1.00	3203051	3.48	0.06	3.15	125.2	10
Volcaniclastics overprinted by semi-massive to massive sulphides. Clasts range from coarse sand to pebble-size sub-angular to sub-rounded. Muddy clasts are common. Interval is almost completely texturally destroyed and unaltered volcaniclastics are rare. Mm to cm-scale quartz veins have alphas that range from approximately 20 to 50 degrees. Veins are rarely mineralized. Pyrite mineralization is semi-massive to massive and commonly replaces the volcaniclastics and matrix. Pyrite veins are rare. Coarse-grained metallic-pink to red sphalerite commonly occurs as patchy mineralization within the semi-massive to massive pyrite. Coarse-grained straw sphalerite uncommonly occurs within mm to cm-scale quartz veins. <<Min: 77.08 - 106.21: 50% Pyrite / 7% Sphalerite / 2% Barite / 2% Siderite>> Pyrite mineralization is semi-massive to massive and commonly replaces the volcaniclastics and matrix. Pyrite veins are rare. Coarse-grained metallic-pink to red sphalerite commonly occurs as patchy mineralization within the semi-massive to massive pyrite. Coarse-grained straw sphalerite uncommonly occurs within mm to cm-scale quartz veins. Fe-carb and barite uncommonly occur with sulphide mineralization as matrix replacement, presence of Fe, Ca and Ba confirmed with XRF.											
			79.00	80.00	1.00	3203052	8.98	0.15	8.33	207.2	18.1
			80.00	81.00	1.00	3203053	3.37	0.08	2.96	108	12.1
			81.00	82.00	1.00	3203054	3.53	0.21	2.73	166.1	21.6
			82.00	83.00	1.00	3203055	4.46	0.15	3.82	170.3	17.7
			83.00	84.00	1.00	3203056	7.09	0.28	6.11	245.5	25.6
			84.00	85.00	1.00	3203057	0.37	0.06	0.06	92.5	8
			85.00	86.00	1.00	3203058	0.6	0.08	0.23	106.7	9.7
			86.00	87.00	1.00	3203059	0.97	0.07	0.7	94.8	7.3
			87.00	88.00	1.00	3203061	0.67	0.05	0.37	119.8	8.6
			88.00	89.00	1.00	3203063	0.83	0.06	0.54	93.5	8
			89.00	90.00	1.00	3203064	0.38	0.06	0.14	63	6.1
			90.00	91.00	1.00	3203065	0.77	0.08	0.49	71.2	7.2
			91.00	92.00	1.00	3203066	0.44	0.04	0.25	53.8	5
			92.00	93.00	1.00	3203067	0.8	0.07	0.5	87.1	7.9
			93.00	94.00	1.00	3203068	0.59	0.07	0.32	76.6	6.8
			94.00	95.00	1.00	3203069	1.23	0.08	0.95	74	7.4
			95.00	96.00	1.00	3203070	0.7	0.09	0.39	77.2	7.6
			96.00	97.00	1.00	3203071	0.86	0.06	0.66	70.6	5

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Zn Equiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			97.00	98.00	1.00	3203072	0.43	0.08	0.16	89.8	6.4
			98.00	99.00	1.00	3203073	0.16	0.05	0.03	106.9	2.7
			99.00	100.00	1.00	3203074	0.18	0.04	0.03	63.6	3.7
			100.00	101.00	1.00	3203075	0.46	0.04	0.26	135.4	5.4
			101.00	102.00	1.00	3203076	0.22	0.03	0.1	44.7	2.9
			102.00	103.00	1.00	3203077	0.39	0.04	0.25	51.5	3.6
			103.00	104.00	1.00	3203078	0.4	0.04	0.27	52.5	3.3
			104.00	105.00	1.00	3203079	0.26	0.05	0.1	55.1	3.8
			105.00	105.60	0.60	3203081	0.73	0.04	0.59	60	3.6
			105.60	106.21	0.61	3203083	0.44	0.09	0.16	106.1	6.5

106.21 152.15 MDST Mudstone Dark Grey FG

Bioturbated fine-grained mudstone with silty laminae and rare silty beds. Bedding ranges from 45 to 15 degrees, shallows downhole at 125 m where it transitions from an alpha of ~45 degrees to 15 degrees over 3 m. Interval contains common chaotic stylolites and microfaults. Microfaults/foliations typically occur at low to medium angles to the core axis (~high angle/normal to bedding). Mudstone has experienced significant deformation. Interval is weakly silicified at the beginning of the interval and increases in silicification downhole towards the section of fracture zone at 140.50-141.70 m. Possible pyritized burrows/herites are noted at ~136.2 m. Uncommon silty beds occur, at ~116.3-116.9 m and 133.4-136.45 m. Wispy laminations and bioturbation is noted throughout.

Mm to cm-scale quartz, pyrite and quartz-pyrite veins are common. They are massive, chaotic and irregular, often occurring at a low angle to the core axis. Bedding-parallel veins are less common. Veins (and bedding) are commonly faulted or offset by microfractures/microfaults. Pyrite mineralization occurs as fine-grained disseminated pyrite, fine to coarse-grained nodules, laminations, and veins. Sphalerite is rare and occurs in irregular cm-scale quartz or quartz-pyrite veins as coarse-grained metallic pink to pink-red mineralization.

<<Min: 106.21 - 152.15: 5% Pyrite / 0.1% Sphalerite>> Pyrite mineralization occurs as fine-grained disseminated pyrite, fine to coarse-grained nodules, laminations, and veins. Sphalerite is rare and occurs in irregular cm-scale quartz or quartz-pyrite veins as coarse-grained metallic pink to pink-red mineralization.

<<Alt: 106.21 - 152.15: Weak Silicification / Moderate Silicification>>

<<Struc: 111.26 - 111.26: Stylolite>>

<<Struc: 111.28 - 111.28: Bedding>>

<<Struc: 112.36 - 112.36: Bedding>>

<<Struc: 113.69 - 113.69: Bedding>>

<<Struc: 116.28 - 116.28: Contact>> Possible contact between silty bed and mudstone.

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
<<Struc: 120.3 - 120.3: Foliation>> Foliation cross-cuts bedding. If core was oriented, betas would be ~180 to each other.											
<<Struc: 120.33 - 120.33: Bedding>>											
<<Struc: 122.31 - 122.31: Bedding>>											
<<Struc: 122.32 - 122.32: Foliation>> Low-angle micro-fault offsetting bedding											
<<Struc: 122.69 - 122.69: Bedding>>											
<<Struc: 124.92 - 124.92: Bedding>>											
<<Struc: 126.88 - 126.88: Bedding>>											
<<Struc: 128.83 - 128.83: Bedding>>											
<<Struc: 129.31 - 129.31: Bedding>>											
<<Struc: 133.55 - 133.55: Bedding>> Approximate alpha of wispy laminated bedding.											
<<Struc: 142.55 - 142.55: Bedding>> Bedding is almost parallel to the core axis.											
<<Struc: 148.82 - 148.82: Bedding>> Bedding undulates gently, alphas under 5 degrees.											
<<Struc: 151.5 - 151.5: Bedding>>											
<<Struc: 152 - 152: Bedding>>											
106.21	107.20	0.99	3203084	0.17	0.04	0.03	69.9	3.4			
107.20	108.20	1.00	3203085	0.16	0.03	0.01	78.6	3.9			
108.20	109.15	0.95	3203086	0.13	0.03	0.0109	68.2	2.8			
109.15	110.10	0.95	3203087	0.16	0.03	0.04	58.9	2.8			
110.10	111.05	0.95	3203088	0.09	0.02	0.01	53.8	2.1			
111.05	112.00	0.95	3203089	0.1	0.02	0.0046	52.4	2.3			
112.00	113.00	1.00	3203090	0.09	0.02	0.003	46.6	2.1			
113.00	114.00	1.00	3203091	0.12	0.02	0.0042	58.9	3.2			
114.00	115.05	1.05	3203092	0.61	0.04	0.48	54	3.2			
115.05	116.00	0.95	3203093	0.2	0.03	0.1	51.2	2.4			
116.00	117.00	1.00	3203094	0.42	0.03	0.33	45.6	2.1			
117.00	118.00	1.00	3203095	0.15	0.03	0.03	56.6	2.8			
118.00	119.00	1.00	3203096	0.33	0.03	0.23	52.9	2.4			
119.00	120.00	1.00	3203097	0.13	0.02	0.04	51.4	2.2			

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			120.00	121.00	1.00	3203098	1.55	0.06	1.37	89.2	4.4
			121.00	122.00	1.00	3203099	0.31	0.05	0.16	86.8	3.5
			122.00	123.00	1.00	3203101	0.32	0.07	0.15	69.4	3.3
			123.00	124.00	1.00	3203103	0.31	0.04	0.17	71.8	3.5
			124.00	125.00	1.00	3203104	0.18	0.03	0.06	64.3	3.1
			125.00	126.00	1.00	3203105	0.17	0.05	0.02	63.8	3.2
			126.00	127.00	1.00	3203106	0.11	0.02	0.03	49.9	2.1
			127.00	127.95	0.95	3203107	1.01	0.09	0.76	92.1	5.7
			127.95	129.00	1.05	3203108	0.11	0.02021	0.03	45.4	2
			129.00	130.00	1.00	3203109	0.2	0.02	0.08	78	3.2
			130.00	131.00	1.00	3203110	0.25	0.01816	0.15	82.3	2.8
			131.00	132.00	1.00	3203111	0.15	0.01024	0.05	72.5	2.8
			132.00	133.00	1.00	3203112	0.08	0.01	0.0067	66.4	2.2
			133.00	134.00	1.00	3203113	0.04	0.00428	0.0019	31.3	1.1
			134.00	135.00	1.00	3203114	0.04	0.0101	0.0015	42	1
			135.00	136.00	1.00	3203115	0.01	0.00404	0.0024	22.4	0.25
			136.00	137.00	1.00	3203116	0.3	0.01	0.23	63.8	2.1
			137.00	138.00	1.00	3203117	0.29	0.01	0.2	80.5	2.8
			138.00	139.05	1.05	3203118	0.2	0.01	0.11	76.6	2.6
			139.05	140.05	1.00	3203119	0.11	0.01	0.02	72.6	2.5
			140.05	141.00	0.95	3203121	0.13	0.02	0.04	63.3	2.3
			141.00	142.05	1.05	3203123	0.25	0.02	0.12	103.3	3.8
			142.05	143.05	1.00	3203124	0.49	0.00743	0.41	73.3	2.5
			143.05	144.00	0.95	3203125	0.68	0.00618	0.61	73	2.3
			144.00	145.00	1.00	3203126	0.2	0.00915	0.14	52	1.8
			145.00	146.05	1.05	3203127	0.09	0.01	0.01	69.9	2.4
			146.05	147.00	0.95	3203128	0.15	0.01639	0.06	84.5	2.5
			147.00	148.00	1.00	3203129	0.13	0.0097	0.06	71.4	1.9
			148.00	149.00	1.00	3203130	0.1	0.00655	0.07	42.6	1

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			149.00	150.00	1.00	3203131	0.11	0.00859	0.07	34.6	1.2
			150.00	151.07	1.07	3203132	0.1	0.00651	0.07	23.8	0.7
			151.07	152.15	1.08	3203133	0.11	0.01177	0.06	36.4	1.4

152.15 163.20 MDST Mudstone Dark Grey FG

Silty mudstone containing quartz shear veins and fault gouge. Bedding is typically low angle, ranging from 10 to 25 degrees. Competent intervals of mudstone are moderately silicified.

Cm-scale quartz shear veins and uncommon brecciated quartz-pyrite veins occur at a high angle to the core axis. Common cm-scale quartz-pyrite veins occur parallel to bedding or at a low angle to bedding. Mineralization predominantly occurs as disseminated pyrite and vein-hosted pyrite. Sphalerite occurs as fine-grained disseminated pyrite at BLANK.

<<Min: 152.15 - 163.2: 5% Pyrite / 1% Sphalerite>> Mineralization predominantly occurs as disseminated pyrite and vein-hosted pyrite. Uncommon brecciated quartz-pyrite veins occur at a high angle to the core axis. Common cm-scale quartz-pyrite veins occur parallel to bedding or at a low angle to bedding.

Sphalerite is disseminated within bedding from approximately 160-160.25 m. It occurs as fine-grained light red subhedral crystals.

<<Alt: 152.15 - 284.56: Moderate Silicification>>

<<Struc: 154.35 - 154.35: Bedding>>

<<Struc: 155.07 - 155.07: Bedding>> Downhole from shear

<<Struc: 158.18 - 158.18: Bedding>>

152.15	153.20	1.05	3203134	0.11	0.00889	0.07	26.6	1
153.20	154.20	1.00	3203135	0.15	0.01418	0.1	50.5	1.2
154.20	155.80	1.60	3203136	0.21	0.02	0.13	50.8	2.1
155.80	157.83	2.03	3203137	0.6	0.04	0.45	44.3	4
157.83	159.00	1.17	3203138	0.13	0.01	0.08	25.2	1.5
159.00	160.00	1.00	3203139	0.16	0.00569	0.12	19.1	1.1
160.00	161.00	1.00	3203141	0.96	0.06	0.73	93.8	6.3
161.00	162.00	1.00	3203143	0.58	0.03	0.46	48.2	3.4
162.00	163.20	1.20	3203144	0.19	0.0104	0.15	20.4	1

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Zn Equiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
163.20	227.80	MDST Mudstone									
		Dark Grey VF									
Graptolitic radiolaria-rich silt-banded mudstone containing disseminated and vein-hosted sulphide mineralization. Fine-grained silt-laminated dark grey siliceous mudstone containing abundant sub-mm speckled white radiolaria. Silty laminae are lighter grey, strongly silicified, and preferentially host the radiolaria. Graptolites are present at approximately 180 m and 219.50 m. At 180 m, they are ~10-30 mm long, uniserial with curved rhabdosomes and hooked thecae (monograptus?, detailed photo taken). At 219.50 m, they are straight with thecae apparent on both sides (diplograptus? Detailed photo taken). Variably pyrite-replaced "X" shaped microfossils as seen in previous holes accompany the graptolites at 180 m. Bedding planes are shallow to core axis, rarely exceeding 30 degrees to core axis. Stylolites are parallel and normal to bedding throughout. Rare dm-scale faults/shears accompanied by quartz-sulphide veining and graphitic rubble. Pervasive moderate silicification, imparting a glassy sheen to the core surface and causing conchoidal fractures on mechanical breaks. Five separate vein types: hairline quartz, pyrite, quartz-sphalerite-pyrite, quartz-pyrite, and galena-Fe-carb in one large quartz shear vein. Larger veins carry angular mudstone fragments. Hairline quartz veins cut pyrite-rich veins. Pyrite is commonly disseminated or vein-hosted and occurs uncommonly as nodules. Sphalerite mineralization is vein-hosted, replaces radiolaria-rich bedding and is disseminated in bedding. Fine to coarse-grained subhedral to anhedral steel-grey sphalerite commonly replaces and diffuses along radiolaria-rich bedding. Vein-hosted sphalerite is medium to coarse-grained and generally red-orange. Fine to medium-grained galena is found within a quartz-Fe carb vein at approximately 194 m. <<Min: 163.2 - 170: 15% Pyrite / 6% Sphalerite>> Cm-scale Py veins brecciate the core at low angles, with quartz infilling internal fractures. Red to pink sphalerite clots are associated with quartz-rich sections of the pyrite veins. Fine grey sphalerite has variably replaced mm-cm scale silty beds within the mudstone. Remobilized orange-red sphalerite is contained within hairline quartz veins that cut these replaced beds. Bedding is cut/offset by pyrite veins. <<Min: 170 - 181.91: 4% Sphalerite / 1% Pyrite>> Very fine to fine light brown sphalerite disseminated within silty bands, commonly replacing radiolaria. Rare mm-scale red sphalerite clots rimmed by hairline white quartz. <<Min: 181.91 - 190: 17% Sphalerite / 10% Pyrite / 0.1% Galena>> Steel grey very fine to fine sphalerite has replaced radiolaria and cherty/silty beds within the mudstone up to cm-scale. Locally can comprise 25% of the rock over dm-scale. Abundant chaotic pyrite veins carry red-orange sphalerite where they transect replaced beds. Trace fine galena within large core-parallel quartz-pyrite-sphalerite vein near the start of the interval. The vein is zoned, with a core of quartz, pyrite on the exterior, and sphalerite/galena along the boundary of quartz/pyrite. <<Min: 190 - 211: 6% Pyrite / 5% Sphalerite / 0.1% Galena>> Scattered bands of very fine light brown to steel grey sphalerite up to cm-scale paralleling bedding, with larger bands exhibiting halos of disseminated grains. Patchy replacement of radiolaria. Locally can comprise 10% sph over m-scale. Remobilized sph is brick-red to orange within veins that cut sph-rich bands. Abundant pyrite in veins throughout. Isolated mm-scale flecks of silver galena associated with sphalerite in cm-scale quartz veins. Veins cut bedding normal. <<Min: 211 - 214.45: 40% Pyrite / 5% Sphalerite>> Dm-scale bands of massive pyrite with sharp regular contacts. Mm-cm scale patches of metallic pink sphalerite within the pyrite bands. <<Min: 214.45 - 227.8: 4% Pyrite / 3% Sphalerite>> Less sphalerite visible as replacement mineral here, still steel grey to light metallic brown and very fine to fine. <<Struc: 163.69 - 163.69: Bedding>>											

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
<<Struc: 164.46 - 164.46:	Bedding>>										
<<Struc: 168.27 - 168.27:	Bedding>>										
<<Struc: 168.28 - 168.28:	Bedding>>	Normal to bedding at location									
<<Struc: 171.33 - 171.33:	Bedding>>										
<<Struc: 171.34 - 171.34:	Stylolite>>	Normal to bedding at location									
<<Struc: 175.05 - 175.05:	Bedding>>										
<<Struc: 177.94 - 177.94:	Bedding>>										
<<Struc: 183.7 - 183.7:	Bedding>>	Sph-replaced bedding									
<<Struc: 184.9 - 184.9:	Bedding>>	Sphalerite-replaced bedding									
<<Struc: 190.27 - 190.27:	Bedding>>										
<<Struc: 192.45 - 192.45:	Stylolite>>	Normal to bedding at location									
<<Struc: 192.8 - 192.8:	Bedding>>										
<<Struc: 195.72 - 195.72:	Stylolite>>	Normal to bedding at location									
<<Struc: 195.85 - 195.85:	Bedding>>										
<<Struc: 199.17 - 199.17:	Bedding>>										
<<Struc: 200.51 - 200.51:	Bedding>>										
<<Struc: 205.46 - 205.46:	Bedding>>										
<<Struc: 205.47 - 205.47:	Stylolite>>	Normal to bedding at location									
<<Struc: 208.18 - 208.18:	Bedding>>										
<<Struc: 210.25 - 210.25:	Bedding>>										
<<Struc: 211.59 - 211.59:	Stylolite>>	Normal to bedding at location									
<<Struc: 212.54 - 212.54:	Bedding>>										
<<Struc: 219.2 - 219.2:	Bedding>>										
<<Struc: 220.84 - 220.84:	Bedding>>										
<<Struc: 225.25 - 225.25:	Bedding>>	Long segment where bedding is parallel to core axis									
<<Struc: 227.37 - 227.37:	Bedding>>										
			163.20	164.00	0.80	3203145	0.15	0.00308	0.12	19.5	0.9
			164.00	165.00	1.00	3203146	2.18	0.01888	2.05	47.7	3.9
			165.00	166.00	1.00	3203147	2.22	0.05	1.98	77.6	6.8

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			166.00	167.00	1.00	3203148	4.62	0.06	4.28	99.2	10.3
			167.00	168.00	1.00	3203149	0.4	0.01	0.32	33.2	2.5
			168.00	169.00	1.00	3203150	0.78	0.02	0.65	51.7	3.9
			169.00	170.00	1.00	3203151	0.36	0.03	0.24	36.5	3.2
			170.00	171.00	1.00	3203152	0.14	0.00977	0.1	20.8	1
			171.00	172.00	1.00	3203153	0.37	0.02	0.31	24.4	1.3
			172.00	173.00	1.00	3203154	0.34	0.00584	0.31	18.6	1
			173.00	174.00	1.00	3203155	0.11	0.01	0.07	34.5	1.2
			174.00	175.00	1.00	3203156	0.54	0.01	0.48	36.3	1.8
			175.00	176.00	1.00	3203157	0.38	0.01725	0.31	46.2	1.8
			176.00	177.00	1.00	3203158	0.15	0.01	0.1	58.9	1.4
			177.00	178.00	1.00	3203159	0.1	0.02	0.03	34.9	1.8
			178.00	179.00	1.00	3203161	0.08	0.01245	0.02	49.1	1.5
			179.00	180.00	1.00	3203163	0.03	0.00407	0.01	27.1	0.6
			180.00	181.00	1.00	3203164	0.38	0.00344	0.35	30.4	0.8
			181.00	181.91	0.91	3203165	2.83	0.02	2.71	55.7	3.8
			181.91	183.00	1.09	3203166	1.84	0.08	1.6	94.1	6
			183.00	184.00	1.00	3203167	11.26	0.06	10.92	113.4	10.3
			184.00	185.00	1.00	3203168	18.28	0.06	17.82	177.1	14.7
			185.00	186.00	1.00	3203169	0.87	0.03	0.77	40.2	2.6
			186.00	187.00	1.00	3203170	8.59	0.08	8.21	112	10.8
			187.00	188.00	1.00	3203171	10.14	0.06	9.73	160.3	12.8
			188.00	189.00	1.00	3203172	2.79	0.05	2.54	91.6	7.1
			189.00	190.00	1.00	3203173	1.62	0.04	1.44	56.1	5.2
			190.00	191.00	1.00	3203174	0.52	0.07	0.23	64.8	7.5
			191.00	192.00	1.00	3203175	0.29	0.05	0.03	56	6.9
			192.00	193.00	1.00	3203176	0.09	0.01059	0.0087	51.4	2.3
			193.00	194.00	1.00	3203177	0.06	0.0065	0.0096	42.2	1.3
			194.00	195.00	1.00	3203178	0.35	0.02	0.26	39.9	2.4

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			195.00	196.00	1.00	3203179	6.43	0.01322	6.23	92.5	6.6
			196.00	197.00	1.00	3203181	5.71	0.02	5.5	94.8	7
			197.00	198.00	1.00	3203183	1.06	0.02	1	25.4	1.6
			198.00	199.00	1.00	3203184	0.04	0.00788	0.01	15.8	0.7
			199.00	200.00	1.00	3203185	1.47	0.00932	1.41	29.6	1.7
			200.00	201.00	1.00	3203186	1.87	0.01	1.8	33.6	2.3
			201.00	202.00	1.00	3203187	4.73	0.03	4.54	73.8	5.8
			202.00	203.00	1.00	3203188	0.11	0.03	0.05	13.5	1.2
			203.00	204.00	1.00	3203189	0.08	0.02	0.03	18.1	1.1
			204.00	205.00	1.00	3203190	3.83	0.05	3.63	102.7	5.5
			205.00	206.00	1.00	3203191	2.85	0.03	2.65	153	6.3
			206.00	207.00	1.00	3203192	0.95	0.01056	0.89	39.6	1.7
			207.00	208.00	1.00	3203193	1.55	0.01951	1.45	60.4	2.9
			208.00	209.00	1.00	3203194	0.26	0.01137	0.2	40.4	1.6
			209.00	210.00	1.00	3203195	2.37	0.03	2.2	76.2	5.1
			210.00	211.00	1.00	3203196	1.7	0.01504	1.6	46	3
			211.00	212.00	1.00	3203197	1.95	0.04	1.7	91.1	7.8
			212.00	213.21	1.21	3203198	0.1	0.02	0.03	36.5	1.8
			213.21	214.45	1.24	3203199	0.97	0.09	0.6	107.9	9.6
			214.45	215.50	1.05	3203201	0.11	0.01	0.07	29.4	1.2
			215.50	216.60	1.10	3203203	0.44	0.01	0.38	28.7	1.9
			216.60	217.60	1.00	3203204	0.28	0.02	0.21	29.2	1.7
			217.60	218.65	1.05	3203205	0.3	0.02	0.2	50.6	2.9
			218.65	219.65	1.00	3203206	0.53	0.02	0.44	54.1	2.6
			219.65	220.70	1.05	3203207	0.21	0.02	0.13	42.6	2
			220.70	221.70	1.00	3203208	0.35	0.02	0.3	29.9	1.1
			221.70	222.70	1.00	3203209	1.83	0.02	1.73	48.3	2.8
			222.70	223.70	1.00	3203210	1.3	0.03	1.2	46.6	2.6
			223.70	224.70	1.00	3203211	0.34	0.04	0.22	41.7	2.9

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Zn Equiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			224.70	225.77	1.07	3203212	2.13	0.03	2	52.6	3.5
			225.77	226.75	0.98	3203213	0.64	0.02	0.57	28.6	1.8
			226.75	227.80	1.05	3203214	1.07	0.03	0.94	59.3	3.7
			227.80	229.00	1.20	3203215	0.48	0.01	0.41	42.2	2.2
			229.00	230.00	1.00	3203216	0.29	0.02	0.22	26.7	1.8
227.80	284.56	MDST Mudstone									
		Dark Grey VF									
Sheared, faulted, and fractured siliceous radiolaria-rich mudstone with sulphide mineralization. Dark grey and very hard, with fine white radiolaria scattered in common mm-cm scale grey silty beds. Bedding is varied from shallow-parallel to core axis, undulating through the interval, with silty beds rarely boudinaged along the bedding plane. Very fractured, and all fracture surfaces (mechanical or otherwise) are coated in either shiny black graphite, soft white powder or soft light green-light blue powder. Variably sheared or faulted, producing m-scale sections of rubble and overall shattered core. Pervasive overprinting moderate silicification affects both the mudstone and siltstone interbeds, but preserves original textures. Hairline black stylolites either parallel or cut normal to bedding planes throughout. Veining is abundant, showing early hairline white quartz veins cut by pyrite, which are in turn cut by sphalerite, all of which are cut by later mm-cm scale quartz veins +/- sulphides. Zones displaying stronger structural disruption are more heavily veined, forming stockworks to breccias. Brassy very fine-medium pyrite throughout as veins, disseminations and shear/fault mineral. Sphalerite less common than in overlying interval, occurring as red veins/clots, either with or without pyrite, and in quartz veins. The interval terminates at a shear, followed afterwards by softer black mudstone. <<Min: 227.8 - 255: 5% Pyrite / 1% Sphalerite>> Vein-hosted brassy pyrite, more abundant in shears/faults. Brick red sphalerite rarely accompanies pyrite as mm scale clots. Rare mm-scale brick red sphalerite veins rimmed with quartz generally cut normal to bedding planes. Sphalerite begins to appear in quartz veins by end of interval. <<Min: 255 - 265.38: 3% Pyrite / 2.5% Sphalerite / 0.1% Siderite>> Abundant quartz, quartz-pyrite, pyrite and quartz-sphalerite veins up to cm-scale. All minerals are dominantly vein-hosted, with a roughly equal mix of brassy fine-coarse pyrite and very fine to fine brick red sphalerite in quartz. Veins/mineral are chaotic, healing or defining faulted and sheared zones. Rare mm-scale beige siderite veins <<Min: 265.38 - 273.58: 7% Pyrite / 4% Siderite / 3% Sphalerite / 0.1% Galena>> Veins crackle to mosaic breccia host mudstone in this interval. Quite sheared. Dm-scale sections of beige fine siderite breccia, unique to this interval. Brassy fine to coarse pyrite, brick red fine sphalerite as quartz rimmed clots or within quartz veins. Rare mm-scale blebs of galena contained within larger quartz veins. <<Min: 273.58 - 284.56: 8% Pyrite / 5% Sphalerite / 0.1% Galena>> Veins are larger, including dm-scale massive pyrite +/- sphalerite. Fine to coarse brassy pyrite is the dominant vein mineral. Internally zoned brick red to orange fine sphalerite occurs as mm-cm-clots within larger pyrite veins, and as mm-scale brick red specks/blebs within larger quartz veins. Galena is constrained to larger quartz veins as isolated mm-scale specks or within blebs of pyrite. <<Struc: 230.14 - 230.14: Bedding>> <<Struc: 232.34 - 232.34: Bedding>> <<Struc: 237.63 - 237.63: Stylolite>> Parallel to bedding <<Struc: 238.05 - 238.05: Bedding>>											
			230.00	231.00	1.00	3203217	0.76	0.02	0.65	48	3.1
			231.00	232.00	1.00	3203218	0.66	0.05	0.5	61.3	3.9
			232.00	233.00	1.00	3203219	2.09	0.04	1.94	70.3	4
			233.00	234.00	1.00	3203221	0.2	0.03	0.12	26	1.9
			234.00	235.00	1.00	3203223	0.09	0.01	0.02	37.1	1.8
			235.00	236.00	1.00	3203224	0.22	0.02	0.14	40.6	2
			236.00	237.00	1.00	3203225	0.1	0.02	0.02	36.1	1.8
			237.00	238.00	1.00	3203226	0.11	0.01	0.03	42	2.3

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
<<Struc: 242.38 - 242.38: Bedding>>			238.00	239.00	1.00	3203227	0.19	0.03	0.1	36.1	2.2
<<Struc: 259.14 - 259.14: Bedding>>			239.00	240.00	1.00	3203228	0.16	0.03	0.08	35.8	1.7
<<Struc: 260.69 - 260.69: Bedding>>			240.00	241.00	1.00	3203229	0.09	0.01	0.02	42.3	2
<<Struc: 263.43 - 263.43: Bedding>>			241.00	242.00	1.00	3203230	0.07	0.01334	0.01	32.2	1.6
<<Struc: 277.9 - 277.9: Bedding>>			242.00	243.00	1.00	3203231	2.2	0.02	2.08	84.7	3.8
			243.00	244.00	1.00	3203232	0.23	0.02	0.14	35.5	2.4
			244.00	245.00	1.00	3203233	0.17	0.03	0.05	54.2	3
			245.00	246.00	1.00	3203234	0.11	0.02	0.03	35.4	1.9
			246.00	247.00	1.00	3203235	0.2	0.01993	0.12	24.5	2.1
			247.00	248.00	1.00	3203236	0.18	0.02	0.05	39.5	3.5
			248.00	249.00	1.00	3203237	0.16	0.02	0.04	39.3	3.3
			249.00	250.00	1.00	3203238	0.42	0.02	0.33	51.7	2.7
			250.00	251.10	1.10	3203239	0.41	0.03	0.32	46.4	2.2
			251.10	252.00	0.90	3203241	0.19	0.01798	0.14	32.2	1.3
			252.00	253.00	1.00	3203243	0.15	0.01357	0.05	61.7	2.8
			253.00	254.00	1.00	3203244	0.78	0.02223	0.66	84.6	3.5
			254.00	255.00	1.00	3203245	1.04	0.01	0.96	86.6	2.5
			255.00	256.00	1.00	3203246	4.95	0.03	4.8	178.3	4.5
			256.00	258.00	2.00	3203247	0.29	0.00958	0.24	53.7	1.3
			258.00	259.00	1.00	3203248	0.36	0.01599	0.29	61.8	1.8
			259.00	260.00	1.00	3203249	0.75	0.01	0.65	77.8	3.1
			260.00	261.00	1.00	3203250	0.1	0.01	0.06	34.9	1
			261.00	262.10	1.10	3203251	5.74	0.04	5.47	123.8	8.5
			262.10	263.25	1.15	3203252	2.48	0.02	2.37	52.1	3.4
			263.25	264.30	1.05	3203253	2.99	0.01516	2.91	48.8	2.5
			264.30	265.38	1.08	3203254	0.44	0.02	0.38	38	1.3
			265.38	266.50	1.12	3203255	0.93	0.01	0.87	55.1	1.8
			266.50	267.50	1.00	3203256	0.43	0.02	0.34	77.9	2.5
			267.50	268.50	1.00	3203257	0.75	0.03	0.62	93.9	3.5

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			268.50	269.50	1.00	3203258	0.16	0.02	0.07	52.3	2.4
			269.50	270.50	1.00	3203259	0.73	0.02017	0.67	42.6	1.6
			270.50	271.50	1.00	3203261	3.27	0.03	3.15	88.6	3.3
			271.50	273.38	1.88	3203263	0.29	0.02	0.21	68	2.1
			273.38	274.55	1.17	3203264	4.69	0.65	3.46	106	21.7
			274.55	275.50	0.95	3203265	1.67	0.05	1.48	60.7	5.1
			275.50	276.50	1.00	3203266	2.19	0.02	2.09	46.1	2.8
			276.50	277.50	1.00	3203267	0.4	0.02	0.33	37.4	1.7
			277.50	278.50	1.00	3203268	1.2	0.06	0.97	79.7	6.1
			278.50	279.50	1.00	3203269	0.54	0.08	0.19	87.3	8.9
			279.50	280.50	1.00	3203270	0.37	0.06	0.14	69.9	5.6
			280.50	281.50	1.00	3203271	0.31	0.06	0.17	39.3	2.9
			281.50	282.50	1.00	3203272	0.31	0.06	0.09	62.3	5.3
			282.50	283.50	1.00	3203273	0.53	0.02	0.46	40.1	2
			283.50	284.56	1.06	3203274	6.5	0.08	6.26	116.3	5.9

284.56 296.32 BMST Black mudstone Black VF

Structurally-disrupted and veined black carbonaceous mudstone with sulphide mineralization. Very graphitic and moderately hard, but can still be scratched with steel. Apparent bedding ranges from parallel to ~ 15 degrees to core axis, defined by graphite laminae or pyrite bands. Variably sheared and strongly fractured, resulting in broken chaotic core. Shearing occurs near parallel to core axis and is accompanied by heavy veining. Isolated foliation (?) marked by repeated hairline veinlets offsetting bedding planes oblique to bedding. Rare cm-scale mafic dykelets host angular rotated cm-scale clasts of black mudstone moving downhole. Silicification of mudstone within 2 m of the downhole contact. Abundant chaotic veining comprised of mm-dm scale quartz, quartz sulphide, banded sulphide and Fe-carb. Banded/massive py-sph+/- qtz cut earlier hairline white quartz at ~289.8 m, and pyrite veins cut quartz at 295.0 m. Brassy pyrite is the dominant mineral as vein/crackle breccia component. Red-orange zoned sphalerite accompanies larger pyrite veins; red to brick red sphalerite occurs as clots within mm-scale py-Fe-carb veinlets and in cm-scale quartz veins. Mm-scale clots of galena within Fe-carb-qtz-sulphide veins. The interval terminates sharply into massive sulphides.

<<Min: 284.56 - 296.32: 10% Pyrite / 6% Sphalerite / 1% Siderite / 0.5% Galena>> Vein hosted sulphide mineralization ranging to dm-scale. Pyrite is bright and brassy, forming fine to coarse crystals in massive veins. Very fine dull brown pyrite marks isolated bedding planes. Sphalerite occurs in pyrite veins as internally-zoned red-orange masses/clots, and as brick red masses within quartz-Fe-carb-sulphide veins. Galena occurs as mm-scale specks in smaller Fe-carb-rich veins. At 294, galena is abundant within a core-parallel qtz-Fe-carb sulphide vein running through a mafic dykelet, forming coarse euhedral crystals. Siderite as conspicuous beige-orange masses and translucent crystals within veins.

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
<<Alt: 294.5 - 296.32: Moderate Silicification>> Silicification of mudstone near to contact with massive sulphides.											
<<Struc: 285.35 - 285.35: Shear>> Graphitic m-scale shear with ample quartz veining											
<<Struc: 291.78 - 291.78: Foliation>> Repeated hairline fabric offsetting bedding here. Alpha points uphole											
<<Struc: 291.79 - 291.79: Bedding>> Alpha points downhole											
<<Struc: 293.85 - 293.85: Contact>> Irregular uphole contact of mafic flow (?) hosting large clasts of mudstone											
<<Struc: 294.8 - 294.8: Contact>> Irregular downhole contact of mafic flow/volcanic hosting mudstone clasts. Approximate measurement.											

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Zn Equiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
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298.71 333.00 BMST Black mudstone Black VF

Structurally-disrupted and veined black carbonaceous mudstone with sulphide mineralization. Very graphitic and moderately hard, but can still be scratched with steel. Apparent bedding ranges from parallel to ~ 15 degrees to core axis, defined by graphite laminae or mm-scale bands of radiolaria. Variably sheared, brecciated, and strongly fractured, resulting in broken chaotic core. Shearing occurs near parallel to core axis and is accompanied by heavy veining. Rare cm-scale siderite-flooded mafic dykelets or volcanoclastic beds host angular rotated cm-scale clasts of black mudstone moving downhole. Mudstone is silicified at upper contact. Abundant chaotic veining comprised of mm-dm scale quartz, quartz sulphide, banded sulphide and Fe-carb. Brassy pyrite is the dominant mineral as vein and breccia component. Red-orange zoned sphalerite accompanies larger pyrite veins; red to brick red sphalerite occurs as clots within mm-scale py-Fe-carb veinlets and in cm-scale quartz veins. Mm-scale clots of galena within Fe-carb-qtz-sulphide veins. The interval terminates sharply into a mafic dyke, with contact bleaching of the mudstone on a cm-scale.

<<Min: 298.71 - 317: 7% Pyrite / 7% Siderite / 4% Sphalerite / 0.1% Galena>> Pyrite dominant as bright brassy fine-coarse veins or as dull brown wispy veins. Larger pyrite veins host internally-zoned red-orange sphalerite clots up to 10% over cm-scale sections. Quartz-Fe-carb veins up to cm-scale host dark red sphalerite and galena. Beige siderite is abundant as vein mineral and as replacement mineral within cm-scale volcanoclastic beds.

<<Min: 317 - 325.4: 10% Pyrite / 7% Sphalerite / 5% Siderite / 0.1% Galena>> Increase in vein abundance within the section, and sphalerite content is higher. Veins reach cm-scale and are massive sulphide, running very shallow to core axis and brecciating mudstone with smaller stringers of the same vein material normal to core axis. Weak banding certain veins, with dusty brown fine pyrite bordering bright brassy fine-coarse pyrite. Vein content shifts to siderite-dominant by end of interval.

<<Min: 325.4 - 333: 7% Siderite / 5% Pyrite / 3% Sphalerite>> Quartz-siderite veins brecciate the mudstone and host rounded mm-scale fragments of red or red-orange zoned sphalerite and brassy pyrite. Minor glaena within later high-angle quartz-siderite-sph veins.

<<Alt: 298.71 - 302.76: Moderate Silicification>> Silicification of mudstone in footwall of massive sulphides

<<Struc: 300.94 - 300.94: Bedding>>

<<Struc: 307.1 - 307.1: Shear>> Alpha of plane points uphole.

<<Struc: 312.48 - 312.48: Contact>> Sharp uphole contact of 2 cm wide siderite-flooded dykelet.

<<Struc: 322.6 - 322.6: Shear>> Alpha points uphole, mineralized veins abundant here.

<<Struc: 328.68 - 328.68: Bedding>>

298.71	300.00	1.29	3203291	0.39	0.06	0.22	50.4	3.7
300.00	301.00	1.00	3203292	0.88	0.07	0.69	54.6	4.4
301.00	302.00	1.00	3203293	0.74	0.08	0.57	48	3.4
302.00	303.00	1.00	3203294	3.48	0.15	3.12	106.4	7.8
303.00	304.00	1.00	3203295	0.25	0.05	0.13	59.4	2.5
304.00	305.00	1.00	3203296	0.69	0.03	0.6	61.7	2.3

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			305.00	306.00	1.00	3203297	0.29	0.09	0.14	49	2.1
			306.00	307.00	1.00	3203298	0.1	0.01	0.05	36.4	1.3
			307.00	308.04	1.04	3203299	0.18	0.03	0.09	55.3	2
			308.04	309.00	0.96	3203301	0.62	0.06	0.5	65.1	2.4
			309.00	310.00	1.00	3203303	0.22	0.04	0.12	56.2	2.2
			310.00	310.96	0.96	3203304	2.21	0.05	2.07	91	3.4
			310.96	312.00	1.04	3203305	6.48	0.25	5.88	239.7	13
			312.00	313.00	1.00	3203306	0.35	0.02	0.29	32.5	1.6
			313.00	314.00	1.00	3203307	1.93	0.4	1.22	88.6	11.6
			314.00	315.00	1.00	3203308	2.06	0.48	1.24	55	12.6
			315.00	316.00	1.00	3203309	15.14	0.22	14.5	200.8	15.3
			316.00	317.00	1.00	3203310	0.47	0.17	0.12	41.6	6.2
			317.00	318.00	1.00	3203311	6.93	0.74	5.66	110.7	20
			318.00	319.15	1.15	3203312	0.86	0.21	0.49	32	6
			319.15	320.20	1.05	3203313	7.4	0.04	7.21	176.6	5.4
			320.20	321.30	1.10	3203314	3.46	0.06	3.25	100.7	5.4
			321.30	322.30	1.00	3203315	0.42	0.01	0.36	59.3	1.8
			322.30	323.40	1.10	3203316	1.03	0.15	0.78	66.1	3.8
			323.40	324.40	1.00	3203317	8.17	0.41	7.47	103.4	10.9
			324.40	325.40	1.00	3203318	1.89	0.05	1.76	66.1	2.8
			325.40	326.40	1.00	3203319	0.15	0.03	0.05	50.3	2.4
			326.40	327.50	1.10	3203321	1.7	0.03	1.61	88.7	2.2
			327.50	328.60	1.10	3203323	0.13	0.02	0.07	56.2	1.4
			328.60	329.70	1.10	3203324	0.26	0.01929	0.21	40.9	1
			329.70	330.80	1.10	3203325	7.62	0.33	7	179.2	10.7
			330.80	331.90	1.10	3203326	8.29	0.15	7.91	193.1	8.6
			331.90	333.00	1.10	3203327	2.02	0.19	1.71	40.5	4.7

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
333.00	344.15	VOLC Volcanics									
Siderite-flooded volcanic/dyke with subintervals of volcanic-brecciated mudstone. Volcanic unit is likely intrusive as mudstone is bleached beige to white at the upper contact. Remnant lapilli are round-almond shaped up to cm-scale; numerous sub-rectangular fragments (feldspars?). Interbedded mudstone is hard and dark grey, pervasively brecciated by mm-cm scale threads of light beige fine siderite-flooded ash..reworked? Mixed within the dark mudstone, entrained by siderite/ash, are hard light grey to white silty clasts. Structurally complex: Mudstone is brecciated by the volcanic unit, and the volcanic unit is internally brecciated (autobrecciated?) within the final 3 m of the interval. A very fine brown mineral matrix hosts mm-scale rounded clasts of soft barite-rich grey mudstone within the volcanics at 334.8 m. Overall, the interval is much more competent than that above and below it, but still displays shear textures. Volcanic components are pervasively replaced by light beige siderite and selectively by pyrite +/- sphalerite near the upper contact. Banded/zoned red-orange sphalerite veins cut through the volcanic material, which are in turn cut by quartz +/- coarse Fe-carb +/- sph or galena. The interval terminates abruptly into a graphitic shear. <<Min: 333 - 344.15: 9% Pyrite / 6% Sphalerite / 2% Barite / 0.5% Galena>> Bright brassy fine to coarse pyrite replaces dm-scale sections of volcanic material and forms as mm-cm-scale sulphide veins. Brick-red to orange sphalerite accompanies pyrite in both the replacement and vein forms. Minor galena as vein material, usually associated with more quartz-rich veins. Barite-rich section over dm-scale near upper contact as light grey-grey speckled breccia clasts. <<Alt: 333 - 344.15: Moderate Fe Carbonate / Moderate Clay, argillic>> Pervasive Fe-carb replacement within volcanic material, contact bleaching of mudstone to light grey/white <<Struc: 338.35 - 338.35: Bedding>>											
		Light Brown FC	333.00	334.05	1.05	3203328	9.61	0.29	8.99	189.1	12.1
			334.05	335.00	0.95	3203329	4.85	0.28	4.39	73.8	6.7
			335.00	336.00	1.00	3203330	0.43	0.06	0.32	18.9	1.8
			336.00	337.00	1.00	3203331	4.74	0.17	4.43	68.9	5.2
			337.00	338.00	1.00	3203332	0.62	0.08	0.48	24	2.3
			338.00	339.00	1.00	3203333	0.25	0.1	0.07	11.4	2.6
			339.00	340.00	1.00	3203334	1.63	0.1	1.46	31.6	2.6
			340.00	341.00	1.00	3203335	2.22	0.12	2.02	26.3	3.1
			341.00	342.00	1.00	3203336	15.79	0.38	15.08	130.3	12.3
			342.00	343.00	1.00	3203337	0.27	0.08	0.14	9.1	1.7
			343.00	344.15	1.15	3203338	4.4	0.3	3.9	79.6	7.4

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
344.15	447.16	BMST Black mudstone									
Structurally-disrupted and veined black carbonaceous mudstone with sulphide mineralization. Very graphitic and moderately hard, but can still be scratched with steel. Rare grey silty-sandy quartz-veined beds ~ 429 m. Apparent bedding ranges from parallel to 46 degrees to core axis, defined by graphite laminae or pyritic laminae/bands. Variably sheared, brecciated, and strongly fractured, resulting in broken chaotic core. Shearing occurs near parallel to core axis and is accompanied by heavy veining. Rare cm-scale siderite-flooded mafic dykelets or volcanoclastic beds host angular rotated cm-scale clasts of black mudstone within 10 m of the upper contact. Mudstone is variable silicified in areas of higher vein concentration throughout, and stylolites define bedding in these zones. Abundant chaotic veining comprised of mm-dm scale quartz, quartz sulphide, banded sulphide and Fe-carb. Brassy pyrite is the dominant mineral as vein and breccia component. Red-orange zoned sphalerite accompanies larger pyrite veins; red to brick red sphalerite occurs as clots within mm-scale py-Fe-carb veinlets and in cm-scale quartz veins. Mm-scale clots of galena within Fe-carb-qtz-sulphide veins near the upper contact. Ore sulphides absent after 429.25 m. Single euhedral cm-scale crystal of Ba-feldspar within mineralized fault gouge at 358.75 m. Py-replaced presumably Ba snowflakes ~ 426 m. EOH. <<Min: 344.15 - 355: 5% Pyrite / 2% Sphalerite / 0.2% Galena>> Bright brassy pyrite with lesser dark red sphalerite in disrupted mm-scale veins and as clots within dm-scale volcanic beds. Single cm-scale pyrite-sph vein within shear at the beginning of the interval. Mm-scale flecks of galena within cm-scale quartz-siderite veins cutting through dm-scale volcanic beds. <<Min: 355 - 369: 7% Pyrite / 6% Sphalerite / 0.1% Barium Feldspar>> Vein, breccia, and fault-hosted brassy coarse pyrite and red-orange internally-zoned fine sphalerite. Locally well mineralized over dm-scale sections. A cm-scale euhedral crystal of grey Ba-feldspar is nestled within sulphides in gouge at ~358.75. <<Min: 369 - 397.13: 7% Pyrite / 1% Sphalerite / 0.1% Chalcopyrite>> Mineralized veins are still abundant, but sphalerite content lower. Brassy pyrite is dominant, with mm-scale blebs of brick-red fine sphalerite rimmed by white quartz. Fine pyrite is also densely disseminated along bedding planes over dm-scale replacing radiolaria. Trace wispy Cpy in quartz vein at 384.3. <<Min: 397.13 - 406: 8% Pyrite / 4% Sphalerite>> Crackle to mosaic brecciated mudstone related to m-scale shearing and faulting. Matrix material is a mix of fine pyrite and fine brick red sphalerite mixed with fine beige sphalerite. A cm-scale massive pyrite-sphalerite vein marks the end of a shear at 398 and is very high grade. <<Min: 406 - 429: 4% Pyrite / 0.2% Sphalerite / 0.1% Galena>> Dull to brassy pyrite in fault gouge/shear veins and as minor vein material. Pyrite replaces large presumed Ba-snowflakes ~425.5 m. Very minor mm-scale specks of red sphalerite and galena within cm-scale white quartz veins throughout. <<Min: 429 - 430: 0.2% Sphalerite / 0.2% Galena / 0.1% Chalcopyrite>> Quartz veined silty mudstone. Veins carry mm-scale flecks of red sphalerite and galena, and trace wisps of chalcopyrite. Veins also carry and are surrounded by jet-black softer rectangular crystals up to 3 mm in length..pyrobitumen? <<Min: 430 - 447.16: 1% Pyrite>> <<Alt: 379 - 390: Moderate Silicification>> Silicification of mudstone in proximity to veined section. <<Alt: 397 - 408: Moderate Silicification>> Silicification of mudstone in vein section <<Alt: 417 - 420: Moderate Silicification>>											

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
<<Struc: 344.15 - 344.15: Shear>>											
<<Struc: 347.53 - 347.53: Bedding>>											
<<Struc: 354.25 - 354.25: Shear>>											
<<Struc: 368.34 - 368.34: Bedding>> Diss py..radiolaria?											
<<Struc: 371.4 - 371.4: Bedding>>											
<<Struc: 380 - 380: Stylolite>> Parallel to assumed bedding											
<<Struc: 384.75 - 384.75: Shear>>											
<<Struc: 387.73 - 387.73: Bedding>>											
<<Struc: 399.67 - 399.67: Shear>>											
<<Struc: 404.27 - 404.27: Bedding>>											
<<Struc: 426.61 - 426.61: Bedding>>											
<<Struc: 430.5 - 430.5: Bedding>>											
<<Struc: 444.65 - 444.65: Bedding>>											
<<Struc: 445.45 - 445.45: Bedding>>											
	344.15	345.00	0.85	3203339	5.32	0.08	5.1	142	5.1		
	345.00	346.00	1.00	3203341	1.43	0.19	1.1	43.1	5.2		
	346.00	347.00	1.00	3203343	0.42	0.02	0.36	29.8	1.5		
	347.00	348.00	1.00	3203344	0.4	0.04	0.3	56.4	2.2		
	348.00	349.00	1.00	3203345	1.69	0.08	1.43	185.2	6.7		
	349.00	350.00	1.00	3203346	0.52	0.1	0.33	100.4	3.4		
	350.00	351.00	1.00	3203347	17.5	0.04	17.29	168.8	6.3		
	351.00	352.00	1.00	3203348	1.8	0.05	1.62	140.2	4.6		
	352.00	353.00	1.00	3203349	3.15	0.01	3.05	69.1	3.2		
	353.00	354.00	1.00	3203350	0.21	0.03	0.14	23.9	1.6		
	354.00	355.00	1.00	3203351	0.27	0.03	0.14	52.9	3.4		
	355.00	356.00	1.00	3203352	11.89	0.02	11.73	281.5	5.1		
	356.00	357.03	1.03	3203353	1.68	0.00854	1.62	58.7	1.7		
	357.03	358.00	0.97	3203354	1.49	0.01048	1.42	36.9	2.2		
	358.00	359.00	1.00	3203355	0.59	0.02	0.51	31.2	2.2		

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			359.00	360.00	1.00	3203356	0.23	0.01006	0.16	29.5	2.2
			360.00	361.00	1.00	3203357	8.61	0.06	8.19	172.1	13.1
			361.00	362.00	1.00	3203358	7.12	0.05	6.8	100.7	9.9
			362.00	363.00	1.00	3203359	1.12	0.03	0.97	45.7	4.3
			363.00	364.00	1.00	3203361	4.83	0.04	4.57	110.5	7.9
			364.00	365.00	1.00	3203363	6.95	0.04	6.64	164.4	9.8
			365.00	366.00	1.00	3203364	1.89	0.01002	1.77	54	3.9
			366.00	367.00	1.00	3203365	0.63	0.05	0.41	75.4	5.9
			367.00	368.00	1.00	3203366	0.76	0.09	0.44	80.8	8.1
			368.00	369.00	1.00	3203367	2.5	0.03	2.27	122.9	7.4
			369.00	370.00	1.00	3203368	1.01	0.01	0.92	33.1	3
			370.00	371.00	1.00	3203369	2.54	0.01	2.44	42.4	3.1
			371.00	372.00	1.00	3203370	0.93	0.02	0.83	38.1	2.8
			372.00	373.00	1.00	3203371	1.66	0.00965	1.58	44.5	2.5
			373.00	375.00	2.00	3203372	3.39	0.02	3.24	64.5	4.8
			375.00	376.02	1.02	3203373	0.41	0.03	0.23	64.3	5.1
			376.02	377.00	0.98	3203374	0.89	0.01	0.75	56.7	4.8
			377.00	378.00	1.00	3203375	3.32	0.02	3.17	87.3	4.7
			378.00	379.00	1.00	3203376	1.86	0.01	1.74	50.3	4
			379.00	380.00	1.00	3203377	0.45	0.02	0.34	49.2	3.4
			380.00	381.00	1.00	3203378	0.09	0.01	0.02	31.6	2.1
			381.00	382.00	1.00	3203379	1.35	0.02	1.23	51.6	3.6
			382.00	383.00	1.00	3203381	2.22	0.01	2.1	70.9	3.9
			383.00	384.00	1.00	3203383	2.7	0.01855	2.55	107.4	4.8
			384.00	385.00	1.00	3203384	2.96	0.03	2.67	190.3	9.6
			385.00	386.00	1.00	3203385	1.59	0.03	1.41	97.6	5.6
			386.00	387.00	1.00	3203386	0.2	0.02	0.09	49.2	3
			387.00	388.00	1.00	3203387	0.88	0.01	0.78	66.7	3.2
			388.00	389.00	1.00	3203388	0.72	0.02	0.61	59.5	3.1

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			389.00	390.00	1.00	3203389	0.19	0.05	0.06	37.1	2.7
			390.00	391.00	1.00	3203390	0.24	0.03	0.14	62.8	2.5
			391.00	392.00	1.00	3203391	0.33	0.05	0.21	66.2	2.4
			392.00	393.00	1.00	3203392	0.08	0.01	0.02	60.1	1.7
			393.00	394.00	1.00	3203393	0.07	0.0104	0.0048	54.8	1.7
			394.00	395.10	1.10	3203394	0.1	0.01039	0.0079	79.7	2.5
			395.10	396.30	1.20	3203395	0.15	0.01	0.04	125.9	3.3
			396.30	397.13	0.83	3203396	0.1	0.01277	0.0054	78.6	2.7
			397.13	398.10	0.97	3203397	6.25	0.05	6.07	142.4	4.8
			398.10	399.07	0.97	3203398	1.56	0.0113	1.5	29.6	1.8
			399.07	400.09	1.02	3203399	1.8	0.02	1.71	56	2.5
			400.09	401.10	1.01	3203401	1.7	0.01005	1.64	38.2	1.9
			401.10	402.00	0.90	3203403	3.1	0.01847	3	68	2.8
			402.00	403.00	1.00	3203404	2.28	0.02	2.19	91.6	2.4
			403.00	404.00	1.00	3203405	1.29	0.02	1.2	63	2.4
			404.00	405.00	1.00	3203406	1.71	0.02	1.63	57.8	2.2
			405.00	406.00	1.00	3203407	3.43	0.01353	3.36	87.2	1.9
			406.00	407.00	1.00	3203408	0.1	0.00605	0.07	55.2	0.9
			407.00	408.00	1.00	3203409	0.09	0.00455	0.06	53.5	1
			408.00	409.00	1.00	3203410	0.1	0.01	0.02	135.3	2.2
			409.00	410.00	1.00	3203411	0.07	0.00848	0.02	125.2	1.5
			410.00	411.00	1.00	3203412	0.05	0.00737	0.02	75.1	0.9
			411.00	412.00	1.00	3203413	0.09	0.00942	0.04	69.5	1.3
			412.00	413.00	1.00	3203414	0.11	0.016	0.03	114.9	2.1
			413.00	414.00	1.00	3203415	0.05	0.01005	0.0056	56.5	1.2
			414.00	415.00	1.00	3203416	0.09	0.01176	0.0054	70.8	2.2
			415.00	416.00	1.00	3203417	0.08	0.01	0.0021	42.6	2.3
			416.00	417.00	1.00	3203418	0.04	0.00814	0.0094	18.9	0.8
			417.00	418.04	1.04	3203419	0.06	0.00377	0.03	31.1	0.9

Hole: NB20-009

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	ZnEquiv pct	Pb Best pct	Zn Best pct	Cu Best ppm	Ag Best ppm
			418.04	419.10	1.06	3203421	0.07	0.0095	0.03	71.5	1.1
			419.10	420.00	0.90	3203423	0.14	0.00856	0.09	128.9	1.5
			420.00	421.01	1.01	3203424	0.09	0.0083	0.06	53.5	0.9
			421.01	422.00	0.99	3203425	0.05	0.01038	0.01	39.7	0.9
			422.00	423.00	1.00	3203426	0.06	0.00651	0.0116	122.2	1.3
			423.00	424.00	1.00	3203427	0.06	0.0055	0.0052	152.1	1.7
			424.00	425.00	1.00	3203428	0.05	0.00506	0.0026	129.9	1.4
			425.00	426.00	1.00	3203429	0.03	0.0043	0.0022	80.2	0.7
			426.00	427.00	1.00	3203430	0.04	0.00458	0.0033	128.8	1.1
			427.00	428.00	1.00	3203431	0.05	0.00379	0.004	132.6	1.2
			428.00	429.00	1.00	3203432	0.03	0.00703	0.0021	83.6	0.7
			429.00	430.00	1.00	3203433	0.01	0.00929	0.0049	16.1	0.25
			430.00	431.00	1.00	3203434	0.01	0.00412	0.0018	46	0.25
			431.00	432.50	1.50	3203435	0.03	0.00241	0.0025	140	0.9
			432.50	434.00	1.50	3203436	0.02	0.00261	0.0018	72.9	0.5
			434.00	435.50	1.50	3203437	0.01	0.00254	0.0047	15.6	0.25
			435.50	437.00	1.50	3203438	0.03	0.00569	0.0067	45.3	0.7
			437.00	438.50	1.50	3203439	0.04	0.0077	0.0033	51.3	1
			438.50	440.00	1.50	3203441	0.03	0.00481	0.0021	42.8	0.7
			440.00	441.50	1.50	3203443	0.02	0.00388	0.002	35.6	0.6
			441.50	443.00	1.50	3203444	0.04	0.00706	0.0022	69.3	1
			443.00	444.50	1.50	3203445	0.04	0.00733	0.0022	56.8	1
			444.50	446.00	1.50	3203446	0.03	0.00546	0.002	51.1	0.8
			446.00	447.16	1.16	3203447	0.03	0.00371	0.0017	53.6	0.7

End of Hole @ 447.16