

**Project:** FWZ

**Hole:** NB20-001

|                          |          |                          |                    |                         |            |                          |               |
|--------------------------|----------|--------------------------|--------------------|-------------------------|------------|--------------------------|---------------|
| <b>Property:</b>         | NIDD     | <b>Survey Type:</b>      | GPS                | <b>Logged By:</b>       | J.Lewis    | <b>Hole Type:</b>        | DDH           |
| <b>Prospect:</b>         | Boundary | <b>Survey By:</b>        | J.Lewis            | <b>Date Started:</b>    | 2020-08-28 | <b>Company:</b>          | Fireweed Zinc |
| <b>UTM Grid:</b>         | NAD83_09 | <b>Date Surveyed:</b>    | 2020-08-28         | <b>Date Completed:</b>  | 2020-09-07 | <b>Core Size:</b>        | HQ3           |
| <b>UTM East:</b>         | 422440   | <b>Survey Accuracy:</b>  | Handheld GPS +/- m | <b>Drill Company:</b>   | NewAge     | <b>Casing Status:</b>    | Left in hole  |
| <b>UTM North:</b>        | 7010418  | <b>Grid Convergence:</b> | -1.03              | <b>Drill Rig:</b>       | A5_1       | <b>Casing Depth (m):</b> | 3             |
| <b>Elev. CGVD28 (m):</b> | 1163.8   | <b>Declination:</b>      | 19.5               | <b>Drill Started:</b>   | 2020-08-27 | <b>Reduced (m):</b>      |               |
| <b>Hole Status:</b>      | Complete | <b>Dip:</b>              | -54                | <b>Drill Completed:</b> | 2020-09-03 | <b>Reduced Size:</b>     |               |
| <b>Hole Purpose:</b>     | EXPL     | <b>Length (m):</b>       | 303.5              | <b>Approved By:</b>     |            | <b>Oriented?:</b>        | Oriented      |
|                          |          | <b>Comments:</b>         |                    |                         |            | <b>Grouted?:</b>         | No            |

The hole collared into volcanoclastics and volcanoclastic diamictite for the first 40 m, followed by a mix of MMP mudstone and MMC conglomerate to 199.2 m. A major faults runs from 199.2 to 204.55 m, then FLC black mudstone and diamictite to 216.43 m. MMC diamictite and conglomerate continues to 283.15, with Niddery Lake black mudstone afterwards to EOH at 305.5 m. Sphalerite mineralization is in red-orange banded veins and as conglomerate matrix replacement uphole from the major fault, with steel grey sphalerite laminae in the FLC downhole from the fault; uncommon metallic pink sphalerite continues to 283.15. Fe carb replacement alteration is constrained uphole from the major fault, with pyrite replacement in the conglomerate matrix afterwards.

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | TN Azimuth | Mag. Azimuth | Grid Azimuth | Mag. Field | Roll  | Accuracy                   | Confidence | Accept Values?                      | Comments |
|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|-------|----------------------------|------------|-------------------------------------|----------|
| 9         | DOWNHOLE      | Other     |               | -53.8 | 263.6      | 244.1        | 264.63       | 59741      | 292.2 | Reflex EZ-trac +/- degrees | Suspect    | <input checked="" type="checkbox"/> |          |
| 12        | DOWNHOLE      | Other     |               | -53.8 | 266.5      | 247          | 267.53       | 58780      | 293.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 15        | DOWNHOLE      | Other     |               | -53.9 | 267.3      | 247.8        | 268.33       | 58322      | 293.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 18        | DOWNHOLE      | Other     |               | -53.9 | 267.8      | 248.3        | 268.83       | 58061      | 294.9 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |

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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 |
|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|-------|----------------------------|------------|-------------------------------------|----------|
| 21        | DOWNHOLE      | Other     |               | -54   | 267.8      | 248.3        | 268.83       | 57966      | 295.9 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 24        | DOWNHOLE      | Other     |               | -54.1 | 267.7      | 248.2        | 268.73       | 57930      | 297.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 27        | DOWNHOLE      | Other     |               | -54.1 | 267.9      | 248.4        | 268.93       | 57891      | 309.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 30        | DOWNHOLE      | Other     |               | -54.2 | 267.7      | 248.2        | 268.73       | 57847      | 332.9 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 33        | DOWNHOLE      | Other     |               | -54.2 | 267.8      | 248.3        | 268.83       | 57826      | 333.6 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 36        | DOWNHOLE      | Other     |               | -54.3 | 268        | 248.5        | 269.03       | 57836      | 333.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 39        | DOWNHOLE      | Other     |               | -54.3 | 268        | 248.5        | 269.03       | 57824      | 333.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 41        | DOWNHOLE      | Other     | 2020-08-27    | -54.2 | 266.2      | 246.7        | 267.23       | 57395      | 78.7  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 42        | DOWNHOLE      | Other     |               | -54.3 | 267.9      | 248.4        | 268.93       | 57816      | 334.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 45        | DOWNHOLE      | Other     |               | -54.3 | 267.9      | 248.4        | 268.93       | 57815      | 334.9 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 48        | DOWNHOLE      | Other     |               | -54.3 | 268        | 248.5        | 269.03       | 57806      | 335.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 51        | DOWNHOLE      | Other     |               | -54.3 | 268.1      | 248.6        | 269.13       | 57818      | 336.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 54        | DOWNHOLE      | Other     |               | -54.4 | 268.2      | 248.7        | 269.23       | 57806      | 336.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 57        | DOWNHOLE      | Other     |               | -54.4 | 268        | 248.5        | 269.03       | 57812      | 336.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |

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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 |
|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|-------|----------------------------|------------|-------------------------------------|----------|
| 60        | DOWNHOLE      | Other     |               | -54.4 | 268.4      | 248.9        | 269.43       | 57821      | 337.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 63        | DOWNHOLE      | Other     |               | -54.4 | 268.4      | 248.9        | 269.43       | 57820      | 341.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 66        | DOWNHOLE      | Other     |               | -54.4 | 268.7      | 249.2        | 269.73       | 57811      | 349.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 69        | DOWNHOLE      | Other     |               | -54.4 | 268.5      | 249          | 269.53       | 57804      | 350.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 71        | DOWNHOLE      | Other     | 2020-08-29    | -54.4 | 269.3      | 249.8        | 270.33       | 58093      |       | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 72        | DOWNHOLE      | Other     |               | -54.4 | 268.6      | 249.1        | 269.63       | 57819      | 350.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 75        | DOWNHOLE      | Other     |               | -54.3 | 268.9      | 249.4        | 269.93       | 57803      | 350.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 78        | DOWNHOLE      | Other     |               | -54.3 | 269        | 249.5        | 270.03       | 57810      | 352.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 81        | DOWNHOLE      | Other     |               | -54.3 | 268.9      | 249.4        | 269.93       | 57794      | 352.3 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 84        | DOWNHOLE      | Other     |               | -54.3 | 269        | 249.5        | 270.03       | 57815      | 355.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 87        | DOWNHOLE      | Other     |               | -54.4 | 268.9      | 249.4        | 269.93       | 57808      | 358.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 90        | DOWNHOLE      | Other     |               | -54.4 | 268.7      | 249.2        | 269.73       | 57815      | 2     | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 93        | DOWNHOLE      | Other     |               | -54.4 | 268.8      | 249.3        | 269.83       | 57811      | 2.6   | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 96        | DOWNHOLE      | Other     |               | -54.5 | 268.8      | 249.3        | 269.83       | 57824      | 4.6   | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |

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|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|------|----------------------------|------------|-------------------------------------|----------|
| 99        | DOWNHOLE      | Other     |               | -54.4 | 268.8      | 249.3        | 269.83       | 57803      | 7.1  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 101       | DOWNHOLE      | Other     | 2020-08-29    | -54.5 | 268.5      | 249          | 269.53       | 57941      | 79.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 102       | DOWNHOLE      | Other     |               | -54.3 | 268.9      | 249.4        | 269.93       | 57808      | 17.6 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 105       | DOWNHOLE      | Other     |               | -54.3 | 269.1      | 249.6        | 270.13       | 57810      | 25.6 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 108       | DOWNHOLE      | Other     |               | -54.2 | 269.2      | 249.7        | 270.23       | 57799      | 33.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 111       | DOWNHOLE      | Other     |               | -54.2 | 269.4      | 249.9        | 270.43       | 57806      | 43   | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 114       | DOWNHOLE      | Other     |               | -54.2 | 269.6      | 250.1        | 270.63       | 57809      | 48   | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 117       | DOWNHOLE      | Other     |               | -54.2 | 269.4      | 249.9        | 270.43       | 57755      | 51.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 120       | DOWNHOLE      | Other     |               | -54.2 | 269.7      | 250.2        | 270.73       | 57810      | 60.6 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 123       | DOWNHOLE      | Other     |               | -54.1 | 269.8      | 250.3        | 270.83       | 57793      | 68.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 126       | DOWNHOLE      | Other     |               | -54   | 269.8      | 250.3        | 270.83       | 57767      | 69.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 129       | DOWNHOLE      | Other     |               | -53.9 | 270.2      | 250.7        | 271.23       | 57751      | 78.9 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 132       | DOWNHOLE      | Other     |               | -53.8 | 270.8      | 251.3        | 271.83       | 57716      | 80.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 135       | DOWNHOLE      | Other     |               | -53.8 | 270.6      | 251.1        | 271.63       | 57677      | 92.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |

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|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|-------|----------------------------|------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 137       | DOWNHOLE      | Other     | 2020-08-30    | -53.9 | 270.1      | 250.6        | 271.13       | 57920      | 78.8  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> | Pulled back 6 m, but not certain if the pullback was subtracted from the depth, as the survey should have been at 131. |
| 138       | DOWNHOLE      | Other     |               | -53.9 | 271.1      | 251.6        | 272.13       | 57637      | 93.5  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 141       | DOWNHOLE      | Other     |               | -53.8 | 271.9      | 252.4        | 272.93       | 57694      | 101   | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 144       | DOWNHOLE      | Other     |               | -53.8 | 272.5      | 253          | 273.53       | 57777      | 103.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 147       | DOWNHOLE      | Other     |               | -53.9 | 272.4      | 252.9        | 273.43       | 57885      | 105.4 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 150       | DOWNHOLE      | Other     |               | -53.9 | 272.2      | 252.7        | 273.23       | 57878      | 108   | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 153       | DOWNHOLE      | Other     |               | -53.9 | 272.1      | 252.6        | 273.13       | 57866      | 113   | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 156       | DOWNHOLE      | Other     |               | -53.8 | 272.1      | 252.6        | 273.13       | 57872      | 117.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 159       | DOWNHOLE      | Other     |               | -53.8 | 271.9      | 252.4        | 272.93       | 57869      | 139.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 161       | DOWNHOLE      | Other     | 2020-08-31    | -53.8 | 271.9      | 252.4        | 272.93       | 57909      |       |                            |            | <input checked="" type="checkbox"/> |                                                                                                                        |
| 162       | DOWNHOLE      | Other     |               | -53.8 | 271.7      | 252.2        | 272.73       | 57873      | 159.4 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 165       | DOWNHOLE      | Other     |               | -53.6 | 271.8      | 252.3        | 272.83       | 57866      | 172.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 168       | DOWNHOLE      | Other     |               | -53.5 | 271.9      | 252.4        | 272.93       | 57865      | 179.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |
| 171       | DOWNHOLE      | Other     |               | -53.4 | 272        | 252.5        | 273.03       | 57859      | 178.6 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |                                                                                                                        |

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|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|-------|----------------------------|------------|-------------------------------------|----------|
| 174       | DOWNHOLE      | Other     |               | -53.3 | 272.2      | 252.7        | 273.23       | 57865      | 180.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 177       | DOWNHOLE      | Other     |               | -53.3 | 272.1      | 252.6        | 273.13       | 57867      | 183.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 180       | DOWNHOLE      | Other     |               | -53.2 | 272.3      | 252.8        | 273.33       | 57866      | 181.4 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 183       | DOWNHOLE      | Other     |               | -53.1 | 272.7      | 253.2        | 273.73       | 57877      | 194.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 186       | DOWNHOLE      | Other     |               | -53.1 | 272.7      | 253.2        | 273.73       | 57846      | 193.4 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 189       | DOWNHOLE      | Other     |               | -53.1 | 273        | 253.5        | 274.03       | 57868      | 210.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 191       | DOWNHOLE      | Other     | 2020-09-01    | -53   | 272.9      | 253.4        | 273.93       | 58112      |       | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 192       | DOWNHOLE      | Other     |               | -53   | 272.8      | 253.3        | 273.83       | 57864      | 219.3 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 195       | DOWNHOLE      | Other     |               | -53   | 272.7      | 253.2        | 273.73       | 57869      | 220.3 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 198       | DOWNHOLE      | Other     |               | -53   | 272.7      | 253.2        | 273.73       | 57862      | 222.4 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 201       | DOWNHOLE      | Other     |               | -53   | 272.8      | 253.3        | 273.83       | 57879      | 226.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 204       | DOWNHOLE      | Other     |               | -53   | 272.8      | 253.3        | 273.83       | 57856      | 227.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 207       | DOWNHOLE      | Other     |               | -52.9 | 272.6      | 253.1        | 273.63       | 57880      | 235.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 210       | DOWNHOLE      | Other     |               | -52.8 | 272.5      | 253          | 273.53       | 57872      | 236.3 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |

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|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|-------|----------------------------|------------|-------------------------------------|----------|
| 213       | DOWNHOLE      | Other     |               | -52.7 | 272.9      | 253.4        | 273.93       | 57875      | 235.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 216       | DOWNHOLE      | Other     |               | -52.6 | 272.9      | 253.4        | 273.93       | 57870      | 252.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 219       | DOWNHOLE      | Other     |               | -52.6 | 273        | 253.5        | 274.03       | 57868      | 273.4 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 221       | DOWNHOLE      | Other     | 2020-09-01    | -52.6 | 273.3      | 253.8        | 274.33       | 57957      | 79    | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 222       | DOWNHOLE      | Other     |               | -52.5 | 273.1      | 253.6        | 274.13       | 57864      | 274.7 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 225       | DOWNHOLE      | Other     |               | -52.5 | 273.5      | 254          | 274.53       | 57868      | 273.4 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 228       | DOWNHOLE      | Other     |               | -52.4 | 273.7      | 254.2        | 274.73       | 57869      | 272.6 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 231       | DOWNHOLE      | Other     |               | -52.3 | 273.7      | 254.2        | 274.73       | 57860      | 278.4 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 234       | DOWNHOLE      | Other     |               | -52.3 | 274.1      | 254.6        | 275.13       | 57867      | 276.3 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 237       | DOWNHOLE      | Other     |               | -52.3 | 274.1      | 254.6        | 275.13       | 57853      | 308.8 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 240       | DOWNHOLE      | Other     |               | -52.2 | 274        | 254.5        | 275.03       | 58197      | 321.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 243       | DOWNHOLE      | Other     |               | -52.2 | 274.4      | 254.9        | 275.43       | 57837      | 344.6 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 246       | DOWNHOLE      | Other     |               | -52.1 | 274.5      | 255          | 275.53       | 57825      | 346.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 249       | DOWNHOLE      | Other     |               | -51.9 | 275.1      | 255.6        | 276.13       | 57860      | 355.6 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |

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|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|-------|----------------------------|------------|-------------------------------------|----------|
| 251       | DOWNHOLE      | Other     | 2020-09-02    | -52.1 | 275.2      | 255.7        | 276.23       | 57957      |       | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 252       | DOWNHOLE      | Other     |               | -51.8 | 275.2      | 255.7        | 276.23       | 57941      | 355.5 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 255       | DOWNHOLE      | Other     |               | -51.7 | 275.4      | 255.9        | 276.43       | 57850      | 18.1  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 258       | DOWNHOLE      | Other     |               | -51.6 | 276.6      | 257.1        | 277.63       | 57638      | 19.1  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 261       | DOWNHOLE      | Other     |               | -51.5 | 275.2      | 255.7        | 276.23       | 57835      | 27.2  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 264       | DOWNHOLE      | Other     |               | -51.5 | 275.7      | 256.2        | 276.73       | 57831      | 59.7  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 267       | DOWNHOLE      | Other     |               | -51.4 | 275.7      | 256.2        | 276.73       | 57827      | 69.3  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 270       | DOWNHOLE      | Other     |               | -51.3 | 275.8      | 256.3        | 276.83       | 57811      | 72.4  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 273       | DOWNHOLE      | Other     |               | -51.3 | 275.8      | 256.3        | 276.83       | 57838      | 81.6  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 276       | DOWNHOLE      | Other     |               | -51.2 | 275.8      | 256.3        | 276.83       | 57846      | 82.8  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 279       | DOWNHOLE      | Other     |               | -51.2 | 276.1      | 256.6        | 277.13       | 57847      | 83    | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 281       | DOWNHOLE      | Other     | 2020-09-02    | -51.3 | 275.6      | 256.1        | 276.63       | 57932      |       | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 282       | DOWNHOLE      | Other     |               | -51.3 | 275.9      | 256.4        | 276.93       | 57774      | 84    | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 285       | DOWNHOLE      | Other     |               | -51.1 | 277.3      | 257.8        | 278.33       | 57779      | 84.1  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |

Hole: NB20-001

| Depth (m) | Survey Method | Survey By | Date Surveyed | Dip   | TN Azimuth | Mag. Azimuth | Grid Azimuth | Mag. Field | Roll  | Accuracy                   | Confidence | Accept Values?                      | Comments |
|-----------|---------------|-----------|---------------|-------|------------|--------------|--------------|------------|-------|----------------------------|------------|-------------------------------------|----------|
| 288       | DOWNHOLE      | Other     |               | -51   | 276.5      | 257          | 277.53       | 57752      | 84.1  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 291       | DOWNHOLE      | Other     |               | -50.9 | 276.7      | 257.2        | 277.73       | 57836      | 87.6  | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 294       | DOWNHOLE      | Other     |               | -50.9 | 277.1      | 257.6        | 278.13       | 57849      | 107   | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 297       | DOWNHOLE      | Other     |               | -50.9 | 277.1      | 257.6        | 278.13       | 57852      | 106.3 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 300       | DOWNHOLE      | Other     |               | -50.9 | 277.2      | 257.7        | 278.23       | 57835      | 106.2 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |
| 303       | DOWNHOLE      | Other     | 2020-09-03    | -50.7 | 277.3      | 257.8        | 278.33       | 57856      | 106.1 | Reflex EZ-trac +/- degrees | Good       | <input checked="" type="checkbox"/> |          |

Hole: NB20-001

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To (m) | Rock Type & Description | From (m) | To (m) | Length  | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|---------|----------|-----------------|----------------|----------------|----------------|----------------|
| 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.20   | OVER                    |          |        |         |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        | Overburden              |          |        |         |          |                 |                |                |                |                |
| 2.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10.23  | LPTF                    |          |        |         |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        | Lapilli Tuff            |          |        |         |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        | Light Grey              |          |        |         |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        | FC                      |          |        |         |          |                 |                |                |                |                |
| <p>Mineralized mixed interval of light grey lapilli tuff and lapilli stone. A fine to coarse light grey ash matrix, variably light beige Fe-carb replaced, is supported by light to medium grey rounded lapilli ranging in size from 2 mm to 5 cm. Remnant porphyritic rectangular textures replaced by Fe-carb. Near the bottom of the interval, some grey lapilli clasts contain a black muddy component, and are much more angular. Sections of the interval showing elevated Fe-carb matrix replacement are weakly to moderately magnetic. Scattered &lt; 0.1 % mm-scale light blue green patches of soft mineral..pyrophyllite? Fractures in this interval are universally coated in rust, with a section of intense microdefaults from 9.64 to 9.84 being fully saturated by rust. Two cm-scale faults occur at ~ 3.75 and 4.85 m respectively, with alpha angles ~ 50-55 degrees. Natural joints appear to be at low angles to core axis, and a faint foliation is visible at 7.75 m (see structures). In oriented core sections, two distinct vein styles are noted; quartz-Fe-carb (predominately ankerite) and banded red-orange sphalerite. No cross cutting relations are observed as yet between the two vein sets, but the quartz-Fe-carb vein cuts a black muddy clast in half at 7.45 m. Brown-red sphalerite is ubiquitous throughout the interval as mm-scale banded veins and as scattered sections of replacement/disseminations within both lapilli and the ashy matrix. From 4.87 to 7.05, sphalerite has partly flooded cm to dm-scale sections of the matrix, resulting in higher grade material. The core of this section contains ~25 cm of near massive fine to medium grained brassy pyrite replacing both clasts and the matrix of the volcanoclastics, with scattered mm-cm scale sections rich in coarse pyrite scattered throughout the rest of the section; matrix material not replaced by sulphide is either Fe-carb replaced, or has a slight blue-grey color and is quite hard. The interval terminates in a pyrite-rich rubble zone, of which 45 cm was washed away by drill action.</p> <p>&lt;&lt;Min: 2.2 - 4.87: 7% Ankerite / 3% Sphalerite / 0.1% Pyrrhotite&gt;&gt; Light tan/beige ankerite replaces ash matrix material. Banded dark-red to orange sphalerite in irregular veins to 5 mm. Single 5 mm band of dark grey-bronzey metallic that is weakly-moderately magnetic.</p> <p>&lt;&lt;Alt: 2.2 - 10.23: Moderate Fe Carbonate / Weak Silicification&gt;&gt;</p> <p>&lt;&lt;Struc: 2.95 - 2.95: Vein plane&gt;&gt; Sph vein</p> <p>&lt;&lt;Struc: 3.08 - 3.08: Vein plane&gt;&gt; Sph Vein</p> <p>&lt;&lt;Struc: 4.6 - 4.6: Vein plane&gt;&gt; Ank-siderite-pyrite vein</p> <p>&lt;&lt;Struc: 4.82 - 4.82: Fault&gt;&gt;</p> <p>&lt;&lt;Struc: 4.92 - 4.92: Vein plane&gt;&gt; Qtz-Fe-carb vein</p> <p>&lt;&lt;Struc: 6.5 - 6.5: Vein plane&gt;&gt; Qtz-pyrite-sph vein</p> <p>&lt;&lt;Struc: 7.05 - 7.05: Vein plane&gt;&gt; Banded Sph vein</p> <p>&lt;&lt;Struc: 7.4 - 7.4: Vein plane&gt;&gt; Qtz Fe-carb vein</p> <p>&lt;&lt;Struc: 7.76 - 7.76: Foliation&gt;&gt;</p> <p>&lt;&lt;Struc: 7.88 - 7.88: Vein plane&gt;&gt; Banded Sph vein</p> <p>&lt;&lt;Struc: 9.64 - 9.64: Vein plane&gt;&gt; Sharp contact Fe stained zone</p> |        |                         |          |        |         |          |                 |                |                |                |                |
| 2.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3.00   | 0.80                    | 3202251  | 0.64   | 0.0036  | 0.61     | 18.4            | 1.1            |                |                |                |
| 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4.00   | 1.00                    | 3202252  | 0.72   | 0.00296 | 0.69     | 30.6            | 0.9            |                |                |                |
| 4.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4.87   | 0.87                    | 3202253  | 0.16   | 0.00607 | 0.13     | 17.8            | 1              |                |                |                |
| 4.87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6.00   | 1.13                    | 3202254  | 12.49  | 0.02    | 12.2     | 199.2           | 9.7            |                |                |                |
| 6.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7.00   | 1.00                    | 3202255  | 7.63   | 0.01015 | 7.47     | 119.7           | 5.3            |                |                |                |
| 7.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8.00   | 1.00                    | 3202256  | 1.83   | 0.00789 | 1.71     | 39.7            | 4              |                |                |                |
| 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9.00   | 1.00                    | 3202257  | 0.5    | 0.00429 | 0.47     | 22.7            | 0.8            |                |                |                |
| 9.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10.23  | 1.23                    | 3202258  | 0.06   | 0.00461 | 0.04     | 10.9            | 0.5            |                |                |                |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | To (m) | Rock Type & Description                | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------|----------|--------|--------|----------|-----------------|----------------|----------------|----------------|----------------|
| <<Struc: 9.84 - 9.84: Vein plane>> Sharp lower contact Fe stained zone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                                        |          |        |        |          |                 |                |                |                |                |
| 10.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 39.66  | VCDM Volcaniclastic Diamictite Grey FC |          |        |        |          |                 |                |                |                |                |
| <p>Clast-supported mineralized polymictic volcaniclastic diamictite. Clasts are rounded to angular, are comprised of chert pebbles/mudstone/sandstone/volcaniclastics, and range in size from granules to boulders, with volcaniclastic clasts often &gt; 1m in core width. The matrix is dark grey to black fine grained mud defining irregular clast boundaries, and makes up less than 25 % of the interval. Volcaniclastics are by far the most abundant clast material, visually accounting for ~ 80%. Muddy matrix material increases moving downhole, causing larger gaps between clasts. Fracture surfaces are very rusty at the top of the interval, gradual showing less weathering moving downhole. Rust is accompanied by purple-brown pyrolusite in isolated occurrences. As in previous interval, there are scattered concentrated patches of the soft green-blue pyrophyllite (?) confined to larger volcaniclastic clasts. Gentle folding within the muddy matrix is observed over approximately 50 cm at 31 m, defined by thin bedding with a tight perpendicular cleavage. Fe-carb (predom. weakly effervescent ankerite) has replaced much of the fine ash matrix material in many volcaniclastic clasts, although a m-scale section from 32 m downhole shows selective replacement of the lapilli instead. Two vein sets are apparent. Banded red-orange sphalerite veins +/- grey soft barite +/- beige ankerite up to 1 cm in true width are observed crosscutting both the muddy matrix and clasts, as well as an early quartz-fe carb vein set seen at shallower angles to the core axis. Certain cm-dm scale sections of the muddy matrix are completely replaced by fine to coarse anhedral brassy pyrite. Brick red sphalerite &lt;5 % accompanies this event at ~ 12.50 m, appearing to define the boundaries of rounded py clasts, grading out moving downhole. Fine red sphalerite starts to replace some silty-sandy clasts within the diamictite starting at 33 m, and occurs as larger patches of matrix-replacement mineral moving downhole. A large boulder of volcaniclastic material marks the end of the interval, sharply contacting the underlying MMC chert pebble conglomerate.</p> <p>&lt;&lt;Min: 10.23 - 33: 7% Pyrite / 4% Sphalerite&gt;&gt; Sphalerite mostly contained within veins in this interval, minor replacement with pyrite ~ 12 m.</p> <p>&lt;&lt;Min: 33 - 38: 6% Sphalerite / 3% Pyrite&gt;&gt; Sphalerite occurring as both banded veins and replacing silty-sandy clasts over cm-scale sections.</p> <p>&lt;&lt;Min: 38 - 39.66: 3% Sphalerite&gt;&gt; Isolated banded sphalerite veining within a large volcaniclastic clast that marks the end of the interval.</p> <p>&lt;&lt;Alt: 10.23 - 39.66: Moderate Fe Carbonate&gt;&gt;</p> <p>&lt;&lt;Struc: 13.64 - 13.64: Vein plane&gt;&gt; Banded Sph vein +/- barite (soft white mineral, non-effervescent).</p> <p>&lt;&lt;Struc: 14.8 - 14.8: Vein plane&gt;&gt; Banded Sph +/- barite</p> <p>&lt;&lt;Struc: 15.83 - 15.83: Vein plane&gt;&gt; Banded Sph +/- barite</p> <p>&lt;&lt;Struc: 16.4 - 16.4: Vein plane&gt;&gt; Banded Sph vein, crosscuts through earlier Qtz-Fe carb vein here</p> <p>&lt;&lt;Struc: 16.41 - 16.41: Vein plane&gt;&gt; Qtz-Fe-carb vein, is crosscut by later banded Sph vein here</p> <p>&lt;&lt;Struc: 25.78 - 25.78: Vein plane&gt;&gt; Thin repeating white qtz veinlet</p> <p>&lt;&lt;Struc: 27.11 - 27.11: Vein plane&gt;&gt; Sph vein</p> <p>&lt;&lt;Struc: 27.17 - 27.17: &gt;&gt; Thin sph veinlet</p> |        |                                        |          |        |        |          |                 |                |                |                |                |

Hole: NB20-001

| From (m)                | To (m)       | Rock Type & Description                                | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-------------------------|--------------|--------------------------------------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
| <<Struc: 27.4 - 27.4:   | Vein plane>> | Sph-Py vein                                            |          |        |        |          |                |                |                |                |                |
| <<Struc: 27.45 - 27.45: | Vein plane>> | Sph-Py vein                                            |          |        |        |          |                |                |                |                |                |
| <<Struc: 27.9 - 27.9:   | Vein plane>> | Qtz-Fe-carb vein..trace red sph?                       |          |        |        |          |                |                |                |                |                |
| <<Struc: 32.54 - 32.54: | Vein plane>> | Py band                                                |          |        |        |          |                |                |                |                |                |
| <<Struc: 32.78 - 32.78: | Vein plane>> | Py band                                                |          |        |        |          |                |                |                |                |                |
| <<Struc: 33.13 - 33.13: | Vein plane>> | Red sph vein, irregular, only semi-confident with beta |          |        |        |          |                |                |                |                |                |
| <<Struc: 33.29 - 33.29: | Vein plane>> | Sph vein                                               |          |        |        |          |                |                |                |                |                |
| <<Struc: 33.35 - 33.35: | Vein plane>> | Sph vein                                               |          |        |        |          |                |                |                |                |                |
| <<Struc: 35.65 - 35.65: | Vein plane>> | conjugate sph vein set                                 |          |        |        |          |                |                |                |                |                |
| <<Struc: 35.7 - 35.7:   | Vein plane>> | conjugate sph vein set                                 |          |        |        |          |                |                |                |                |                |
| <<Struc: 35.94 - 35.94: | Vein plane>> | qtz-pyrite vein                                        |          |        |        |          |                |                |                |                |                |
| <<Struc: 36.2 - 36.2:   | Vein plane>> | Low angle meandering sph vein                          |          |        |        |          |                |                |                |                |                |
| <<Struc: 37.58 - 37.58: | Vein plane>> | Banded sph vein                                        |          |        |        |          |                |                |                |                |                |
| <<Struc: 37.84 - 37.84: | Vein plane>> | Banded sph vein                                        |          |        |        |          |                |                |                |                |                |
| <<Struc: 38.62 - 38.62: | Vein plane>> | Repeated qtz veinlet                                   |          |        |        |          |                |                |                |                |                |
| <<Struc: 38.66 - 38.66: | Vein plane>> | Repeated qtz veinlet                                   |          |        |        |          |                |                |                |                |                |
| <<Struc: 38.7 - 38.7:   | Vein plane>> | Repeated qtz veinlet                                   |          |        |        |          |                |                |                |                |                |
| <<Struc: 38.74 - 38.74: | Vein plane>> | Repeated qtz veinlet                                   |          |        |        |          |                |                |                |                |                |
| <<Struc: 38.76 - 38.76: | Vein plane>> | Repeated qtz veinlet                                   |          |        |        |          |                |                |                |                |                |
| <<Struc: 38.92 - 38.92: | Vein plane>> | Repeated qtz veinlet                                   |          |        |        |          |                |                |                |                |                |
| <<Struc: 38.94 - 38.94: | Vein plane>> | Repeated qtz veinlet                                   |          |        |        |          |                |                |                |                |                |
|                         |              |                                                        | 10.23    | 12.00  | 1.77   | 3202259  | 0.44           | 0.04           | 0.13           | 75.2           | 8.9            |
|                         |              |                                                        | 12.00    | 13.00  | 1.00   | 3202260  | 4.22           | 0.06           | 3.88           | 73.7           | 10.2           |
|                         |              |                                                        | 13.00    | 14.00  | 1.00   | 3202261  | 0.65           | 0.02           | 0.55           | 42.3           | 2.8            |
|                         |              |                                                        | 14.00    | 15.00  | 1.00   | 3202262  | 2.02           | 0.01052        | 1.95           | 32.3           | 2.3            |
|                         |              |                                                        | 15.00    | 16.00  | 1.00   | 3202263  | 2.9            | 0.01           | 2.78           | 59.5           | 3.9            |
|                         |              |                                                        | 16.00    | 17.00  | 1.00   | 3202264  | 1.65           | 0.00843        | 1.56           | 36             | 2.8            |
|                         |              |                                                        | 17.00    | 18.07  | 1.07   | 3202265  | 0.2            | 0.01144        | 0.14           | 26.7           | 1.6            |
|                         |              |                                                        | 18.07    | 19.11  | 1.04   | 3202266  | 0.58           | 0.03           | 0.42           | 66.7           | 4.8            |

Hole: NB20-001

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|----------|--------|-------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
|          |        |                         | 19.11    | 20.00  | 0.89   | 3202267  | 0.12           | 0.00847        | 0.08           | 16.7           | 1.1            |
|          |        |                         | 20.00    | 21.00  | 1.00   | 3202268  | 0.2            | 0.00961        | 0.15           | 24.8           | 1.4            |
|          |        |                         | 21.00    | 22.00  | 1.00   | 3202269  | 0.18           | 0.00582        | 0.15           | 15.3           | 0.8            |
|          |        |                         | 22.00    | 23.00  | 1.00   | 3202271  | 0.36           | 0.04           | 0.21           | 84             | 3.7            |
|          |        |                         | 23.00    | 24.00  | 1.00   | 3202273  | 0.32           | 0.05           | 0.1            | 97.2           | 5.5            |
|          |        |                         | 24.00    | 25.00  | 1.00   | 3202274  | 0.2            | 0.01404        | 0.13           | 33.3           | 2.1            |
|          |        |                         | 25.00    | 26.00  | 1.00   | 3202275  | 0.21           | 0.00828        | 0.17           | 19.1           | 1.2            |
|          |        |                         | 26.00    | 27.00  | 1.00   | 3202276  | 3.64           | 0.02           | 3.51           | 89.2           | 4.1            |
|          |        |                         | 27.00    | 28.00  | 1.00   | 3202277  | 1.59           | 0.00799        | 1.52           | 42.9           | 2.2            |
|          |        |                         | 28.00    | 29.00  | 1.00   | 3202278  | 0.63           | 0.00818        | 0.57           | 29.8           | 1.9            |
|          |        |                         | 29.00    | 30.00  | 1.00   | 3202279  | 2.5            | 0.00902        | 2.39           | 82.1           | 3.6            |
|          |        |                         | 30.00    | 31.00  | 1.00   | 3202280  | 4.95           | 0.03           | 4.68           | 188.3          | 8.7            |
|          |        |                         | 31.00    | 32.00  | 1.00   | 3202281  | 1.02           | 0.00945        | 0.91           | 48.8           | 3.5            |
|          |        |                         | 32.00    | 33.00  | 1.00   | 3202282  | 0.18           | 0.01           | 0.1            | 44.4           | 2.4            |
|          |        |                         | 33.00    | 34.00  | 1.00   | 3202283  | 8.35           | 0.02           | 8.16           | 106.4          | 6.2            |
|          |        |                         | 34.00    | 35.00  | 1.00   | 3202284  | 3.51           | 0.01           | 3.36           | 72.3           | 5.2            |
|          |        |                         | 35.00    | 36.00  | 1.00   | 3202285  | 1.03           | 0.01002        | 0.95           | 52.2           | 2.6            |
|          |        |                         | 36.00    | 37.00  | 1.00   | 3202286  | 3.25           | 0.00915        | 3.14           | 73.5           | 3.8            |
|          |        |                         | 37.00    | 38.00  | 1.00   | 3202287  | 6.91           | 0.01           | 6.75           | 125            | 5.4            |
|          |        |                         | 38.00    | 38.72  | 0.72   | 3202288  | 2.04           | 0.01           | 1.86           | 93             | 6.1            |
|          |        |                         | 38.72    | 39.66  | 0.94   | 3202289  | 0.96           | 0.01077        | 0.9            | 34             | 1.7            |

Hole: NB20-001

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|----------|--------|-------------------------|----------|--------|--------|----------|-----------------|----------------|----------------|----------------|----------------|
|----------|--------|-------------------------|----------|--------|--------|----------|-----------------|----------------|----------------|----------------|----------------|

**39.66 62.96 CONG Conglomerate Light Grey MC**

Siderite-altered mineralized chert pebble conglomerate. Strongly clast supported, with dominant mm-cm scale white/grey/dark grey rounded chert pebbles and subordinate subrounded to subangular dark grey siltstone/mudstone fragments comprising ~ 80% of material. The original sand-silica matrix has been nearly entirely replaced by fine light tan/beige siderite (no effervescence on powdered material) and lesser blebs/clots of brick red sphalerite. Isolated rounded clasts have also been replaced by siderite/rare sphalerite, or alternatively shattered/micro-brecciated. Matrix-replacement alteration is nearly non-existent at the upper contact, but quickly grades to near complete replacement moving 1 m downhole and continues to end of the interval.

Up to four generations of veining are apparent. The first is an early mm-scale quartz-fe-carb vein set at shallow angles to the core axis that cuts through individual chert pebbles, but is observed in at least two locations being transected by the siderite-matrix replacement event. The second is comprised primarily of fine to coarse brassy pyrite, and can reach cm-scale. The third is banded red-orange beige sphalerite, also reaching up to cm-scale, that cuts/disrupts or roughly parallels the pyrite vein set in places. Lastly, a mm-scale late quartz vein set, also at shallow angles to core axis, cuts all other veins, containing blebs of red sphalerite and beige siderite in sections already rich in those minerals.

The interval is weakly to moderately mineralized throughout its entirety. Brick red to orange sphalerite occurs as blebs within the siderite-replaced matrix, visually increasing in content moving downhole. Sphalerite also occurs in banded to colloform banded mm-cm scale veins, variably accompanied by pyrite and siderite. Higher density of these veins occur from 48.30 to 49.74 m and from 57.76 to 58.93 m. Pyrite is concentrated in cm-dm scale sections containing a mixture of very fine dull bronze to coarse grained euhedral brassy crystals. Pyrite also forms the core of some banded sphalerite veins. An isolated mm-scale clot of galena occurs within a sphalerite vein at 57.88 m.

The interval terminates into a muddy diamictite, showing a gradual increase in the size and angularity of muddy clasts within the final 2 m.

<<Min: 39.66 - 45.73: 1% Sphalerite>> Two cm-scale banded sphalerite veins, with isolated blebs of red sphalerite in the siderite-replaced conglomerate matrix.

<<Min: 45.73 - 49.74: 7% Sphalerite / 2% Pyrite>> Section of cm-scale banded red to orange sphalerite veins accompanied by some pyrite.

<<Min: 49.74 - 57.76: 5% Sphalerite>> Sphalerite as blebs in matrix and select clasts within conglomerate

<<Min: 57.76 - 58.93: 25% Sphalerite>> Section rich in banded and solid sphalerite veins up to 15 cm of core width.

<<Min: 58.93 - 62.96: 5% Sphalerite>> Sphalerite as matrix mineral in chert pebble conglomerate, with higher concentrations from 61.10 to 62.96 m. Cm-scale banded red-orange sphalerite vein at 62.00 m.

<<Alt: 39.66 - 62.96: Strong Fe Carbonate>> Pervasive strong replacement of original sandy-silica matrix within the chert pebble conglomerate by siderite and occasional sphalerite.

<<Struc: 39.66 - 39.66: Contact>> VCDM upper contact against MMC

<<Struc: 40.87 - 40.87: Vein plane>> low angle qtz vein

<<Struc: 40.97 - 40.97: Vein plane>> Sph vein

Hole: NB20-001

| From (m)                | To (m)       | Rock Type & Description                          | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-------------------------|--------------|--------------------------------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
| <<Struc: 41.9 - 41.9:   | Vein plane>> | Qtz veinlet?                                     |          |        |        |          |                |                |                |                |                |
| <<Struc: 42.71 - 42.71: | Vein plane>> | Pyrite vein                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 43.25 - 43.25: | Vein plane>> | Qtz-siderite minor sph                           |          |        |        |          |                |                |                |                |                |
| Qtz siderite minor sph  |              |                                                  |          |        |        |          |                |                |                |                |                |
| <<Struc: 44.7 - 44.7:   | Vein plane>> | Py-sph vein                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 44.82 - 44.82: | Vein plane>> | Qtz veinlet                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 44.96 - 44.96: | Vein plane>> | Qtz veinlet                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 45.84 - 45.84: | Vein plane>> | Sph vein                                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 45.9 - 45.9:   | Vein plane>> | Pyrite vein                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 46.08 - 46.08: | Vein plane>> | Late syntaxial qtz                               |          |        |        |          |                |                |                |                |                |
| <<Struc: 46.69 - 46.69: | Vein plane>> | Sph-Fe carb                                      |          |        |        |          |                |                |                |                |                |
| Sph Fe-carb             |              |                                                  |          |        |        |          |                |                |                |                |                |
| <<Struc: 46.78 - 46.78: | Vein plane>> | Qtz siderite                                     |          |        |        |          |                |                |                |                |                |
| <<Struc: 47.33 - 47.33: | Vein plane>> | Qtz veinlet                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 47.9 - 47.9:   | Vein plane>> | Banded sph                                       |          |        |        |          |                |                |                |                |                |
| <<Struc: 48.21 - 48.21: | Vein plane>> | Qtz veinlet                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 48.73 - 48.73: | Vein plane>> | Sph-Py Fe Carb                                   |          |        |        |          |                |                |                |                |                |
| Sph pyrite Fe carb      |              |                                                  |          |        |        |          |                |                |                |                |                |
| <<Struc: 49.32 - 49.32: | Vein plane>> | Banded sph                                       |          |        |        |          |                |                |                |                |                |
| <<Struc: 49.67 - 49.67: | Vein plane>> | Sph-Py                                           |          |        |        |          |                |                |                |                |                |
| <<Struc: 51.49 - 51.49: | Vein plane>> | Pyrite                                           |          |        |        |          |                |                |                |                |                |
| <<Struc: 51.81 - 51.81: | Vein plane>> | Qtz veinlet                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 53.79 - 53.79: | Vein plane>> | Qtz veinlet                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 54.3 - 54.3:   | Vein plane>> | Qtz veinlet..syntaxial?                          |          |        |        |          |                |                |                |                |                |
| <<Struc: 56.16 - 56.16: | Vein plane>> | Qtz veinlet                                      |          |        |        |          |                |                |                |                |                |
| <<Struc: 57.75 - 57.75: | Vein plane>> | Qtz-Sph-Ga Py? Larger vein, rubbly Upper contact |          |        |        |          |                |                |                |                |                |
| <<Struc: 58.05 - 58.05: | Vein plane>> | Lower contact of larger Qtz-Sph-Ga Py? Vein      |          |        |        |          |                |                |                |                |                |
| <<Struc: 58.66 - 58.66: | Vein plane>> | Banded Sph Fe-carb                               |          |        |        |          |                |                |                |                |                |
| <<Struc: 58.75 - 58.75: | Vein plane>> | Pyrite                                           |          |        |        |          |                |                |                |                |                |
| <<Struc: 58.88 - 58.88: | Vein plane>> | Sph Fe-carb                                      |          |        |        |          |                |                |                |                |                |

Hole: NB20-001

| From (m)                                        | To (m) | Rock Type & Description | From (m) | To (m)  | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-------------------------------------------------|--------|-------------------------|----------|---------|--------|----------|----------------|----------------|----------------|----------------|----------------|
| <<Struc: 61.93 - 61.93: Vein plane>> Banded Sph |        |                         |          |         |        |          |                |                |                |                |                |
|                                                 | 39.66  | 40.76                   | 1.10     | 3202291 | 0.08   | 0.00946  | 0.03           | 14.1           | 1.3            |                |                |
|                                                 | 40.76  | 42.03                   | 1.27     | 3202293 | 3.35   | 0.00663  | 3.22           | 42.2           | 4.6            |                |                |
|                                                 | 42.03  | 43.00                   | 0.97     | 3202294 | 0.01   | 0.00276  | 0.0041         | 7.1            | 0.25           |                |                |
|                                                 | 43.00  | 44.00                   | 1.00     | 3202295 | 0.01   | 0.00188  | 0.01           | 5.9            | 0.25           |                |                |
|                                                 | 44.00  | 44.85                   | 0.85     | 3202296 | 0.64   | 0.00718  | 0.59           | 16.1           | 1.7            |                |                |
|                                                 | 44.85  | 45.73                   | 0.88     | 3202297 | 0.23   | 0.00283  | 0.21           | 9.7            | 0.6            |                |                |
|                                                 | 45.73  | 46.75                   | 1.02     | 3202298 | 4.5    | 0.02     | 4.24           | 62.8           | 8.6            |                |                |
|                                                 | 46.75  | 47.74                   | 0.99     | 3202299 | 0.58   | 0.00535  | 0.53           | 12.7           | 1.5            |                |                |
|                                                 | 47.74  | 48.80                   | 1.06     | 3202300 | 11.28  | 0.01038  | 11.04          | 103.2          | 8.2            |                |                |
|                                                 | 48.80  | 49.74                   | 0.94     | 3202351 | 13.51  | 0.02     | 13.14          | 181.2          | 12.8           |                |                |
|                                                 | 49.74  | 50.90                   | 1.16     | 3202352 | 0.77   | 0.01     | 0.65           | 43             | 4.1            |                |                |
|                                                 | 50.90  | 51.90                   | 1.00     | 3202353 | 0.18   | 0.00395  | 0.15           | 9.9            | 0.8            |                |                |
|                                                 | 51.90  | 53.00                   | 1.10     | 3202354 | 1.6    | 0.00422  | 1.56           | 20.3           | 1.3            |                |                |
|                                                 | 53.00  | 54.00                   | 1.00     | 3202355 | 0.9    | 0.0024   | 0.88           | 9.8            | 0.7            |                |                |
|                                                 | 54.00  | 55.00                   | 1.00     | 3202356 | 0.88   | 0.00242  | 0.86           | 9.8            | 0.7            |                |                |
|                                                 | 55.00  | 56.00                   | 1.00     | 3202357 | 0.15   | 0.00166  | 0.15           | 5.1            | 0.25           |                |                |
|                                                 | 56.00  | 56.75                   | 0.75     | 3202358 | 0.63   | 0.00242  | 0.61           | 9.3            | 0.5            |                |                |
|                                                 | 56.75  | 57.76                   | 1.01     | 3202359 | 2.03   | 0.00487  | 1.99           | 39.7           | 1.3            |                |                |
|                                                 | 57.76  | 58.73                   | 0.97     | 3202361 | 33.65  | 0.09     | 32.4           | 344.1          | 42             |                |                |
|                                                 | 58.73  | 60.00                   | 1.27     | 3202363 | 0.18   | 0.00387  | 0.16           | 9.7            | 0.7            |                |                |
|                                                 | 60.00  | 61.00                   | 1.00     | 3202364 | 0.04   | 0.00261  | 0.02           | 6              | 0.5            |                |                |
|                                                 | 61.00  | 62.00                   | 1.00     | 3202365 | 3.94   | 0.01     | 3.82           | 47.4           | 4              |                |                |
|                                                 | 62.00  | 62.96                   | 0.96     | 3202366 | 1.31   | 0.00612  | 1.25           | 34.1           | 2              |                |                |

Hole: NB20-001

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
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| 62.96                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 67.59  | DIAM Diamictite         |          |        |        |          |                 |                |                |                |                |
| <p>Muddy polymictic dark grey diamictite. Matrix supported, with clasts ranging from coarse sand to boulders of rounded light grey/white chert, subangular Fe-carb flooded volcanoclastics, subangular black mudstone and subrounded softer grey siltstone/sandstone. In general, the interval is fractured and broken, breaking along powdery vein planes and remnant bedding in larger clasts mudstone clasts. Iridescent shimmer coatings are observed on many of the fractures. A section/clast of bedded siltstone from 66.45 to 67.00 is strongly silicified, corresponding to a stockwork of mm-cm scale quartz veinlets. Fine pyrite and sphalerite have replaced more porous clasts, with riming and minor penetration into some of the chert pebbles as well. Four generations of veining are apparent in this interval: an early thin qtz vein and an early pyrite event with no discernable relationship to each other, cut variably by banded or solid sphalerite +/- qtz +/- py or Fe-carb veins, all of which are seen to be cut by later qtz-siderite-minor sphalerite veining. Mineralization is constrained to veins and replaced clasts. Brick red to orange sphalerite veins occur up to 1.8 cm true width running at low angles to core axis. Later quartz-siderite veins uncommonly contain blebs of red-black crystalline sphalerite. Dull brown pyrite veinlets and clots are scattered throughout the interval. A sphalerite vein at 64.75 cuts one of these pyrite veins, and contains an angular 8 mm clast showing a brassier pyrite rim. The interval ends with a bedded muddy section, abruptly terminating into chert pebble conglomerate.</p> <p>&lt;&lt;Min: 62.96 - 67.59: 4% Sphalerite / 2% Pyrite&gt;&gt; Banded sphalerite and quartz-sphalerite veins, dull brown pyrite clots and veinlets.</p> <p>&lt;&lt;Alt: 66.6 - 67: Strong Silicification&gt;&gt; Silicified mudstone as a product of stockwork quartz veining</p> <p>&lt;&lt;Struc: 63.13 - 63.13: Vein plane&gt;&gt; Qtz veinlet</p> <p>&lt;&lt;Struc: 63.9 - 63.9: Vein plane&gt;&gt; Pyrite</p> <p>&lt;&lt;Struc: 63.95 - 63.95: Vein plane&gt;&gt; Sph</p> <p>&lt;&lt;Struc: 64.17 - 64.17: Vein plane&gt;&gt; Qtz vein syntaxial?</p> <p>&lt;&lt;Struc: 64.53 - 64.53: Vein plane&gt;&gt; Pyrite</p> <p>&lt;&lt;Struc: 64.83 - 64.83: Vein plane&gt;&gt; Pyrite hosting breccia mudstone clasts</p> <p>&lt;&lt;Struc: 64.96 - 64.96: Vein plane&gt;&gt; Sph Fe-carb</p> <p>&lt;&lt;Struc: 66 - 66: Vein plane&gt;&gt; Sph-qtz-fe carb</p> <p>&lt;&lt;Struc: 66.07 - 66.07: Vein plane&gt;&gt; Qtz minor sph</p> <p>&lt;&lt;Struc: 66.44 - 66.44: Vein plane&gt;&gt; Sph qtz fe-carb</p> <p>&lt;&lt;Struc: 66.95 - 66.95: Vein plane&gt;&gt; qtz minor sph</p> <p>&lt;&lt;Struc: 67.37 - 67.37: Vein plane&gt;&gt; Sph minor qtz</p> <p>&lt;&lt;Struc: 67.41 - 67.41: Vein plane&gt;&gt; Sph minor qtz</p> <p>&lt;&lt;Struc: 67.42 - 67.42: Vein plane&gt;&gt; Sph minor qtz</p> <p>&lt;&lt;Struc: 67.49 - 67.49: Vein plane&gt;&gt; Sph minor qtz</p> |        |                         |          |        |        |          |                 |                |                |                |                |

Hole: NB20-001

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To (m)       | Rock Type & Description  | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 62.96    | 64.00  | 1.04   | 3202367  | 1.6             | 0.01           | 1.52           | 40.1           | 2.5            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 64.00    | 65.00  | 1.00   | 3202368  | 3.98            | 0.00998        | 3.86           | 111.4          | 3.9            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 65.00    | 65.90  | 0.90   | 3202369  | 1.55            | 0.00435        | 1.49           | 30.9           | 1.9            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 65.90    | 66.75  | 0.85   | 3202370  | 5.93            | 0.00969        | 5.72           | 123.7          | 7.3            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 66.75    | 67.59  | 0.84   | 3202371  | 2.08            | 0.00854        | 2              | 50.8           | 2.6            |
| <b>67.59</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>71.70</b> | <b>CONG Conglomerate</b> |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              | <b>Light Grey FC</b>     |          |        |        |          |                 |                |                |                |                |
| <p>Silicified and Fe-carb replaced chert pebble conglomerate. Very hard, with glassy sheen to core surface. Clasts are finer near the upper and lower contact, and are comprised predominately of light grey rounded chert pebbles and silicified grey subrounded to subangular mudstone or siltstone clasts. A weak repeated fabric defined by dark thin stylolitic lines is present near the upper contact at low angles to core axis. The original silica-sand matrix of the conglomerate has been nearly entirely replaced by light beige Fe-carb. A powder test could not be performed as the interval is strongly silicified. Very fine red sphalerite or dull brown pyrite has replaced &lt; 2% of the more porous clasts, but have left the chert pebbles mostly unaffected. Cm-scale milky white quartz veins cut the interval, hosting &lt; 1 % flecks of siderite or red sphalerite. Isolated mm-scale banded sphalerite veins show a pyrite core and a rim of white quartz, which has fractured the sphalerite vein internally perpendicular to the vein orientation, but has left the pyrite core intact. A muddy clast at 71.00 m hosts a quartz-disrupted sphalerite vein with flecks of silver blue galena to 5 mm. The interval terminates sharply against a bedded mudstone unit with minor diamictite.</p> <p>&lt;&lt;Min: 67.59 - 71.7: 2% Sphalerite / 1% Pyrite / 0.1% Galena&gt;&gt; Predominately banded vein sphalerite, but minor amounts in white quartz veins as as matrix replacement mineral. Single flecks of galena in one sphalerite-quartz vein.</p> <p>&lt;&lt;Alt: 67.59 - 71.7: Moderate Silicification / Moderate Fe Carbonate&gt;&gt; Pervasive silicification of conglomerate, replacement of matrix material and come clasts by fe-carb</p> <p>&lt;&lt;Struc: 68.66 - 68.66: Vein plane&gt;&gt; Quartz</p> <p>&lt;&lt;Struc: 70 - 70: Vein plane&gt;&gt; Sph-Fecarb-pyrite</p> <p>&lt;&lt;Struc: 70.4 - 70.4: Vein plane&gt;&gt; Sph</p> <p>&lt;&lt;Struc: 70.51 - 70.51: Vein plane&gt;&gt; Quartz</p> <p>&lt;&lt;Struc: 70.9 - 70.9: Vein plane&gt;&gt; Quartz</p> <p>&lt;&lt;Struc: 70.99 - 70.99: Vein plane&gt;&gt; Sph-Fecarb-qtz-galena</p> |              |                          |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 67.59    | 68.80  | 1.21   | 3202372  | 0.2             | 0.00397        | 0.15           | 15.6           | 1.5            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 68.80    | 69.80  | 1.00   | 3202373  | 0.17            | 0.00229        | 0.15           | 10.2           | 0.7            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 69.80    | 70.80  | 1.00   | 3202374  | 2.17            | 0.00739        | 2.07           | 26.9           | 3.2            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          | 70.80    | 71.70  | 0.90   | 3202375  | 0.66            | 0.01559        | 0.61           | 13.7           | 1.3            |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | To (m) | Rock Type & Description | From (m) | To (m) | Length  | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
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| 71.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 74.99  | MDST Mudstone           |          |        |         |          |                |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        | Dark Grey FG            |          |        |         |          |                |                |                |                |                |
| <p>Dark grey silt banded mudstone with distinct dm-scale beds of muddy polymictic diamictite. The mudstone contains bedding defined regular light beige-grey fe-carb infused silty bands showing minor disruption fabrics. Bands of dark grey-black muddy matrix-supported polymictic diamictite up to 20 cm in core length roughly parallel bedding. Clasts within these bands are composed of rounded to subrounded chert pebbles and grey siltstone. Clasts within the diamictite are sometimes replaced by red sphalerite or dull to brassy pyrite, with the percentage of replacement increasing moving downhole. Mm-scale bands of bright brassy pyrite, concentrated at 73.23 m, parallel bedding. Up to cm-scale red sphalerite veins, variable banded, crosscut bedding planes (silty and diamictite). These veins (and all beds) are in turn cut by later quartz +/- fe carb +/- minor red sphalerite veinlets at low angles to core axis. Overall, the interval contains ~ 5% sphalerite as described in the above phases. An isolated mm-scale fleck of silver-grey possible galena is contained within a larger exposure of the late quartz-sph vein set at 72.18 m. Terminates into a large conglomerate package. At the downhole contact, a late stage quartz-siderite-sphalerite vein cuts both the upper mudstone and the downhole conglomerate.</p> <p>&lt;&lt;Min: 71.7 - 74.99: 3% Sphalerite / 2% Pyrite / 0.1% Galena&gt;&gt; Sphalerite in veinlets/stockworks, and as one larger pod at the core of a small stockwork. Possible galena in this pod. Pyrite veinlet swarm mostly paralleling bedding at 73.25</p> <p>&lt;&lt;Alt: 71.7 - 74.99: Weak Fe Carbonate&gt;&gt; Weak-moderate replacement of silty bands in mudstone by Fe-carb</p> <p>&lt;&lt;Struc: 71.95 - 71.95: Vein plane&gt;&gt; Sph</p> <p>&lt;&lt;Struc: 72.25 - 72.25: Vein plane&gt;&gt; Qtz-sph-fecarb</p> <p>&lt;&lt;Struc: 72.52 - 72.52: Vein plane&gt;&gt; Qtz-fecarb-sph</p> <p>&lt;&lt;Struc: 72.77 - 72.77: Vein plane&gt;&gt; Sph-quartz</p> <p>&lt;&lt;Struc: 73.12 - 73.12: Bedding&gt;&gt;</p> <p>&lt;&lt;Struc: 73.32 - 73.32: Vein plane&gt;&gt; Pyrite</p> <p>&lt;&lt;Struc: 74.11 - 74.11: Vein plane&gt;&gt; Late qtz-fecarb</p> <p>&lt;&lt;Struc: 74.2 - 74.2: Vein plane&gt;&gt; Qtz fecarb</p> <p>&lt;&lt;Struc: 74.24 - 74.24: Vein plane&gt;&gt; Late qtz-fecarb</p> |        |                         |          |        |         |          |                |                |                |                |                |
| 71.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 72.70  | 1.00                    | 3202376  | 6.69   | 0.02    | 6.32     | 83             | 12.5           |                |                |                |
| 72.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 73.80  | 1.10                    | 3202377  | 0.63   | 0.00639 | 0.55     | 26.5           | 2.5            |                |                |                |
| 73.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 74.99  | 1.19                    | 3202378  | 2.18   | 0.00336 | 2.13     | 29.3           | 1.8            |                |                |                |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
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| 74.99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 95.00  | CONG Conglomerate       |          |        |        |          |                 |                |                |                |                |
| <p>Light Grey FC</p> <p>Light grey chert pebble conglomerate with subordinate dm-scale beds of muddy polymictic diamictite. Up to 95 % of the clasts within the conglomerate are rounded white to grey chert pebbles, with minor dark-grey to black subrounded to subangular mudstone and grey siltstone. Diamictite is polymictic and disrupted, showing small chert pebbles and silty clasts supported by a moderately hard muddy matrix. Diamictite bands are sharp and distinct, with no apparent grading in/out between them and the conglomerate. From the upper contact moving downhole, the conglomerate is quite fractured and disrupted, acting as the hangingwall for a fault/shear that begins at 81.30 and continues to 83.38. Within the core of this structure, ground up sphalerite, quartz fragments and siderite-infused conglomerate are cemented together, showing a graphitic sheen where fractured and rubbly. The footwall conglomerate continuing to the end of the interval is competent. All of the conglomerate shows near complete replacement of the original matrix material by siderite and lesser red sphalerite. Fracture surfaces within the footwall of the shear are often coated in a blue green or light purple translucent mineral...fluorite? Veining is common, with three vein sets apparent: dull brown fine pyrite, banded to solid sphalerite +/- siderite +/- pyrite, and larger low angle white quartz +/- siderite and sphalerite. Only one crosscutting relationship is observed. Within the shear, thin white quartz + sphalerite veinlets at low angles to the core axis transect earlier red sphalerite veins. Red sphalerite is ubiquitous throughout the interval as banded veins and clast/matrix replacement mineral. The core of the shear is higher grade, containing 10-12 % total red sphalerite. Pyrite bands and irregular patches up to 4 cm in true width occur within the conglomerate, commonly showing a dull brown fine core with brassier larger euhedral crystals on the rims. A good example of this is found at 77.05 m. Pyrite also is found in the core of select banded sphalerite veins.</p> <p>&lt;&lt;Min: 74.99 - 81.3: 3% Sphalerite / 1.5% Pyrite&gt;&gt; Low angle banded sphalerite veins and mixed pyrite bands. Scattered blebs within the conglomerate matrix.</p> <p>&lt;&lt;Min: 81.3 - 83.38: 6% Sphalerite / 2% Pyrite&gt;&gt; Sheared/faulted zone with healed chunks of sphalerite veining mixed together in the core, disrupted banded veins outside of the core.</p> <p>&lt;&lt;Min: 83.38 - 95: 2% Sphalerite / 1% Pyrite&gt;&gt; Mm-cm scale banded sphalerite veinlets in conglomerate, minor matrix replacement mineral.</p> <p>&lt;&lt;Alt: 74.99 - 95: Moderate Fe Carbonate&gt;&gt; Partial to complete replacement of matrix (and some clasts) material in chert pebble conglomerate by Fe-carb</p> <p>&lt;&lt;Struc: 75.76 - 75.76: Vein plane&gt;&gt; Banded sph</p> <p>&lt;&lt;Struc: 76.42 - 76.42: Vein plane&gt;&gt; Sph</p> <p>&lt;&lt;Struc: 77.08 - 77.08: Vein plane&gt;&gt; Pyrite</p> <p>&lt;&lt;Struc: 77.47 - 77.47: Vein plane&gt;&gt; Qtz-fecarb</p> <p>&lt;&lt;Struc: 78.57 - 78.57: Vein plane&gt;&gt; Fecarb</p> <p>&lt;&lt;Struc: 79.15 - 79.15: Vein plane&gt;&gt; Sph-fecarb-pyrite-qtz</p> <p>&lt;&lt;Struc: 79.8 - 79.8: Vein plane&gt;&gt; Pyrite</p> <p>&lt;&lt;Struc: 81.04 - 81.04: Vein plane&gt;&gt; Late qtz-sph-fecarb</p> <p>&lt;&lt;Struc: 81.3 - 81.3: Vein plane&gt;&gt; Late qtz-fecarb</p> |        |                         |          |        |        |          |                 |                |                |                |                |

Hole: NB20-001

| From (m)                | To (m)       | Rock Type & Description                                    | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-------------------------|--------------|------------------------------------------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
| <<Struc: 82.16 - 82.16: | Vein plane>> | Sph                                                        |          |        |        |          |                |                |                |                |                |
| <<Struc: 82.17 - 82.17: | Vein plane>> | Late qtz sph                                               |          |        |        |          |                |                |                |                |                |
| <<Struc: 83.38 - 83.38: | Fault>>      | Lower contact of m-scale fault                             |          |        |        |          |                |                |                |                |                |
| <<Struc: 84.21 - 84.21: | Vein plane>> | Qtz-fecarb                                                 |          |        |        |          |                |                |                |                |                |
| <<Struc: 84.26 - 84.26: | Contact>>    | Contact between upper conglomerate and diamictite interbed |          |        |        |          |                |                |                |                |                |
| <<Struc: 84.38 - 84.38: | Vein plane>> | Banded sph fecarb                                          |          |        |        |          |                |                |                |                |                |
| <<Struc: 87.28 - 87.28: | Vein plane>> | Sph-pyrite-fecarb                                          |          |        |        |          |                |                |                |                |                |
| <<Struc: 88 - 88:       | Vein plane>> | Banded sph fecarb                                          |          |        |        |          |                |                |                |                |                |
| <<Struc: 89.85 - 89.85: | Vein plane>> | Banded sph                                                 |          |        |        |          |                |                |                |                |                |
| <<Struc: 90.9 - 90.9:   | Vein plane>> | Pyrite                                                     |          |        |        |          |                |                |                |                |                |
| <<Struc: 91.48 - 91.48: | Vein plane>> | Sph-fe carb                                                |          |        |        |          |                |                |                |                |                |
| <<Struc: 91.65 - 91.65: | Vein plane>> | Quartz                                                     |          |        |        |          |                |                |                |                |                |
| <<Struc: 91.79 - 91.79: | Vein plane>> | Quartz                                                     |          |        |        |          |                |                |                |                |                |
| <<Struc: 92 - 92:       | Vein plane>> | Quartz                                                     |          |        |        |          |                |                |                |                |                |
| <<Struc: 92.42 - 92.42: | Vein plane>> | Sph-fecarb                                                 |          |        |        |          |                |                |                |                |                |
| <<Struc: 92.7 - 92.7:   | Vein plane>> | Sph                                                        |          |        |        |          |                |                |                |                |                |
| <<Struc: 93.5 - 93.5:   | Vein plane>> | Qtz minor sph                                              |          |        |        |          |                |                |                |                |                |
| <<Struc: 94.5 - 94.5:   | Vein plane>> | Qtz Minor sph                                              |          |        |        |          |                |                |                |                |                |
|                         |              |                                                            | 74.99    | 75.95  | 0.96   | 3202379  | 11.41          | 0.01           | 11.23          | 96.9           | 6.1            |
|                         |              |                                                            | 75.95    | 77.00  | 1.05   | 3202381  | 9.91           | 0.0039         | 9.71           | 87.2           | 7.1            |
|                         |              |                                                            | 77.00    | 78.00  | 1.00   | 3202383  | 0.11           | 0.00489        | 0.07           | 10.5           | 1.2            |
|                         |              |                                                            | 78.00    | 79.15  | 1.15   | 3202384  | 0.08           | 0.00852        | 0.04           | 11.4           | 1.2            |
|                         |              |                                                            | 79.15    | 80.20  | 1.05   | 3202385  | 2.62           | 0.01           | 2.5            | 32.5           | 3.9            |
|                         |              |                                                            | 80.20    | 81.30  | 1.10   | 3202386  | 1.06           | 0.01147        | 0.96           | 23.2           | 3.2            |
|                         |              |                                                            | 81.30    | 82.48  | 1.18   | 3202387  | 1.01           | 0.00508        | 0.97           | 20.2           | 1.3            |
|                         |              |                                                            | 82.48    | 83.38  | 0.90   | 3202388  | 10.67          | 0.02           | 10.26          | 121.9          | 14.2           |
|                         |              |                                                            | 83.38    | 84.20  | 0.82   | 3202389  | 1.37           | 0.00779        | 1.24           | 35.7           | 4.6            |
|                         |              |                                                            | 84.20    | 85.00  | 0.80   | 3202390  | 3.67           | 0.00861        | 3.58           | 56             | 3              |
|                         |              |                                                            | 85.00    | 86.00  | 1.00   | 3202391  | 0.17           | 0.00241        | 0.15           | 14.1           | 0.6            |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | To (m)        | Rock Type & Description | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 86.00    | 87.00  | 1.00   | 3202392  | 0.66           | 0.0021         | 0.64           | 20.6           | 0.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 87.00    | 88.00  | 1.00   | 3202393  | 4.8            | 0.00818        | 4.6            | 71.8           | 6.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 88.00    | 89.00  | 1.00   | 3202394  | 0.54           | 0.00139        | 0.52           | 13.7           | 0.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 89.00    | 90.00  | 1.00   | 3202395  | 1.9            | 0.01003        | 1.83           | 23.7           | 2.3            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 90.00    | 91.00  | 1.00   | 3202396  | 0.15           | 0.00492        | 0.12           | 8.7            | 0.9            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 91.00    | 92.00  | 1.00   | 3202397  | 1.66           | 0.00787        | 1.58           | 21.8           | 2.5            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 92.00    | 93.00  | 1.00   | 3202398  | 2.34           | 0.00584        | 2.23           | 25.8           | 3.6            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 93.00    | 94.00  | 1.00   | 3202399  | 0.06           | 0.00252        | 0.04           | 5.9            | 0.5            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 94.00    | 95.00  | 1.00   | 3202401  | 1.72           | 0.00411        | 1.68           | 42.4           | 1.3            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 95.00    | 96.00  | 1.00   | 3202403  | 7.46           | 0.01           | 7.14           | 128.6          | 11.2           |
| <b>95.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>109.17</b> | <b>MDST Mudstone</b>    |          |        |        |          |                |                |                |                |                |
| <p>Fine dark grey silt-banded mudstone with subordinate chert pebble conglomerate interbeds. Grey silty laminae define thin regular beds within the mudstone at ~ 45 degrees to core axis, but shallow significantly by the lower contact. Mudstone is quite fractured and rich in veining near the upper contact, with both lessening moving downhole. Conglomerate interbeds are no larger than 26 cm of core length. Fe-carb/sulphides has only weakly replaced matrix/clast material in these beds, and then only in patches. Thin black stylolites have formed that obliquely cut bedding planes within the mudstone. Thin white early qtz veins occur generally normal to bedding, and are cut by later mm-scale banded to solid sphalerite veins. Light beige-olive very fine grained bands of Fe-carb +/- fine pyrite/sphalerite cut bedding, and host gravel-sized clasts of the host mudstone; their relationship to other veining is not apparent. This same event forms a hairline stockwork more rich in sphalerite at 105.45 m. Brick red to orange sphalerite is concentrated in veining within the first 2 m, occurring as isolated veins afterwards. &lt; 1% dull pyrite as mm-scale blebs or fine vein mineral. The interval terminates abruptly into a structurally-disrupted chert pebble conglomerate.</p> |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Min: 95 - 96: 6% Sphalerite / 0.5% Pyrite&gt;&gt; Zone of sphalerite veining.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Min: 96 - 109.17: 1% Sphalerite / 1% Pyrite&gt;&gt; Thin scattered sphalerite veinlets, disseminated pyrite and minor sphalerite in fe-carb bands.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 95.4 - 95.4: Vein plane&gt;&gt; Banded sph-fecarb</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 95.88 - 95.88: Vein plane&gt;&gt; Sph</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 96.23 - 96.23: Vein plane&gt;&gt; Sph</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 96.57 - 96.57: Vein plane&gt;&gt; Qtz-sph</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 99.08 - 99.08: Vein plane&gt;&gt; Sph-qtz</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 99.55 - 99.55: Vein plane&gt;&gt; Fe carb band</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 100.17 - 100.17: Fracture&gt;&gt; Stylolite defining microfracture</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 101.85 - 101.85: Vein plane&gt;&gt; Fe carb band</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                         |          |        |        |          |                |                |                |                |                |
| <p>&lt;&lt;Struc: 102.55 - 102.55: Bedding&gt;&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                         |          |        |        |          |                |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 96.00    | 97.00  | 1.00   | 3202404  | 2.21           | 0.00774        | 2.04           | 83.4           | 5.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 97.00    | 98.00  | 1.00   | 3202405  | 0.6            | 0.00623        | 0.56           | 40             | 1.3            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 98.00    | 99.00  | 1.00   | 3202406  | 0.29           | 0.00485        | 0.26           | 16.6           | 0.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 99.00    | 100.00 | 1.00   | 3202407  | 0.45           | 0.0061         | 0.42           | 19.3           | 0.9            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 100.00   | 101.00 | 1.00   | 3202408  | 0.31           | 0.00483        | 0.27           | 14.5           | 1.1            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 101.00   | 102.00 | 1.00   | 3202409  | 0.14           | 0.00504        | 0.11           | 16.5           | 0.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 102.00   | 103.00 | 1.00   | 3202410  | 1.16           | 0.00448        | 1.1            | 63.5           | 2.1            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 103.00   | 104.00 | 1.00   | 3202411  | 0.69           | 0.00414        | 0.65           | 33.2           | 1.2            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 104.00   | 105.00 | 1.00   | 3202412  | 0.83           | 0.00384        | 0.79           | 37.1           | 1.4            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 105.00   | 106.00 | 1.00   | 3202413  | 2.15           | 0.00455        | 2.05           | 68.8           | 3.5            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                         | 106.00   | 107.00 | 1.00   | 3202414  | 1.34           | 0.0068         | 1.25           | 44.4           | 3.1            |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | To (m)        | Rock Type & Description                                                        | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------|----------|--------|--------|----------|-----------------|----------------|----------------|----------------|----------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 102.6 - 102.6: Vein plane>> Qtz-sph                                   | 107.00   | 108.00 | 1.00   | 3202415  | 1.56            | 0.00701        | 1.49           | 51.4           | 2.2            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 102.81 - 102.81: Vein plane>> Sph-fe carb                             | 108.00   | 109.17 | 1.17   | 3202416  | 0.67            | 0.00417        | 0.63           | 61.7           | 1.4            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 103.15 - 103.15: Vein plane>> Fe carb                                 |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 103.95 - 103.95: Vein plane>> Sph-Fe carb                             |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 104.08 - 104.08: Vein plane>> Qtz-fe-carb                             |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 104.38 - 104.38: Vein plane>> Sph-fecarb-qtz                          |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 104.48 - 104.48: Vein plane>> Sph-fecarb-qtz                          |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 105.43 - 105.43: Vein plane>> Sph-fecarb-qtz                          |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 105.82 - 105.82: Contact>> Upper contact conglomerate bed on mudstone |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 106.06 - 106.06: Vein plane>> Fe carb sph                             |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 106.2 - 106.2: Vein plane>> Fe carb-sph-qtz                           |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 106.88 - 106.88: Vein plane>> Fe carb                                 |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 107.7 - 107.7: Vein plane>> Sph-qtz-fecarb                            |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 107.89 - 107.89: Bedding>>                                            |          |        |        |          |                 |                |                |                |                |
| <b>109.17</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>124.15</b> | <b>CONG Conglomerate</b>                                                       |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <b>Light Grey FC</b>                                                           |          |        |        |          |                 |                |                |                |                |
| <p>Fractured, broken and disrupted chert pebble conglomerate with minor interbeds of thinly bedded silty mudstone. Conglomerate is clast-supported, dominantly rounded cm-scale chert pebbles, but contains a higher percentage of dark grey subround to subangular mudstone/siltstone clasts than is usually seen in this unit. The matrix is silica-sand, appearing rotten in places and showing only minor patchy fe-carb or sphalerite replacement. All fractures, natural or otherwise, are coated in a variable white-blue-purple soft powdery mineral, commonly accompanied by a graphitic sheen. The core of the interval is especially broken and rotten, showing chert clasts outlined by recessive soft matrix material that appears to have been ground up and healed. After this section, the core becomes much more competent and fresh moving downhole, with isolated stylolites parallel to a regular fracture set. Veining is non-existent except within 2 m of the beginning and end of the interval, showing cm-scale banded red-orange sphalerite veins and mm-scale white Qtz-fe carb veinlets with no apparent relationship. Brick red sphalerite in veins and as patchy matrix replacement mineral comprises ~3% of the interval, concentrated near the upper and lower contact. A section at 111.75 m shows complete matrix replacement by dull brown fine pyrite over 10 cm. The interval terminates abruptly and sharply into blue-tinged silicified conglomerate.</p> |               |                                                                                |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 109.21 - 109.21: Vein plane>> Sph-qtz-fe carb                         |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 109.4 - 109.4: Vein plane>> Sph-qtz-fe carb-pyrite                    |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 109.53 - 109.53: Vein plane>> Quartz                                  |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 110.6 - 110.6: Vein plane>> Sph                                       |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | <<Struc: 110.75 - 110.75: Vein plane>> Sph                                     |          |        |        |          |                 |                |                |                |                |

Hole: NB20-001

| From (m)                                          | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|---------------------------------------------------|--------|-------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
| <<Struc: 110.79 - 110.79: Vein plane>> Sph        |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 110.87 - 110.87: Vein plane>> Sph        |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 111.3 - 111.3: Vein plane>> Sph          |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 112.34 - 112.34: Vein plane>> Qtz        |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 113.22 - 113.22: Joint>>                 |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 117.22 - 117.22: Vein plane>> Qtz        |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 120.85 - 120.85: Vein plane>> Qtz-Sph    |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 120.87 - 120.87: Vein plane>> Sph        |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 122.63 - 122.63: Vein plane>> Banded Sph |        |                         |          |        |        |          |                |                |                |                |                |
| <<Struc: 123.75 - 123.75: Vein plane>> Banded Sph |        |                         |          |        |        |          |                |                |                |                |                |
|                                                   |        |                         | 109.17   | 110.15 | 0.98   | 3202417  | 3.83           | 0.01           | 3.63           | 92.1           | 6.9            |
|                                                   |        |                         | 110.15   | 111.00 | 0.85   | 3202418  | 5.2            | 0.02           | 4.96           | 129.2          | 8              |
|                                                   |        |                         | 111.00   | 112.60 | 1.60   | 3202419  | 0.23           | 0.00579        | 0.19           | 24.9           | 1.4            |
|                                                   |        |                         | 112.60   | 113.50 | 0.90   | 3202421  | 0.07           | 0.00642        | 0.01           | 32.1           | 1.8            |
|                                                   |        |                         | 113.50   | 114.50 | 1.00   | 3202423  | 0.91           | 0.00401        | 0.85           | 25.2           | 2              |
|                                                   |        |                         | 114.50   | 115.44 | 0.94   | 3202424  | 2.09           | 0.00657        | 1.98           | 33.2           | 3.6            |
|                                                   |        |                         | 115.44   | 116.40 | 0.96   | 3202425  | 0.85           | 0.0072         | 0.81           | 20.8           | 1.3            |
|                                                   |        |                         | 116.40   | 117.45 | 1.05   | 3202426  | 0.46           | 0.00393        | 0.42           | 25.3           | 1.4            |
|                                                   |        |                         | 117.45   | 118.53 | 1.08   | 3202427  | 0.15           | 0.00407        | 0.12           | 10.6           | 0.9            |
|                                                   |        |                         | 118.53   | 119.55 | 1.02   | 3202428  | 0.06           | 0.0054         | 0.02           | 13.5           | 1              |
|                                                   |        |                         | 119.55   | 120.45 | 0.90   | 3202429  | 0.09           | 0.00446        | 0.05           | 17.1           | 1.1            |
|                                                   |        |                         | 120.45   | 121.35 | 0.90   | 3202430  | 0.63           | 0.00661        | 0.57           | 42.2           | 2.1            |
|                                                   |        |                         | 121.35   | 122.25 | 0.90   | 3202431  | 1.89           | 0.00989        | 1.8            | 48             | 2.8            |
|                                                   |        |                         | 122.25   | 123.25 | 1.00   | 3202432  | 6.47           | 0.02           | 6.01           | 121.7          | 15.8           |
|                                                   |        |                         | 123.25   | 124.15 | 0.90   | 3202433  | 2.38           | 0.00393        | 2.24           | 28.9           | 4.9            |
|                                                   |        |                         | 124.15   | 125.20 | 1.05   | 3202434  | 0.3            | 0.00203        | 0.26           | 12.8           | 1.2            |

Hole: NB20-001

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To (m) | Rock Type & Description | From (m)   | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |      |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|------------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|------|-----|
| 124.15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 131.52 | CONG Conglomerate       | Light Grey | FC     | 125.20 | 126.25   | 1.05           | 3202435        | 0.46           | 0.00338        | 0.39           | 24.8 | 2.3 |
| Light blue grey silicified chert pebble conglomerate. Hard, with a glassy sheen on both the dry and wet core surface. All clasts have experienced pervasive silicification, showing microfracturing within individual chert pebbles and flooding through lesser mudstone and siltstone clasts. Silicification is strong to intense at the upper contact, gradually grading to weak by the end of the interval evidenced by softer muddy clasts and a lesser blue tinge. Fe-carb matrix replacement appears to increase as silicification decreases. Within a meter of the upper contact, conglomerate clast size appears to be graded, fining uphole from pebbles to sand-gravel by the upper contact. As in the overlying interval, broken surfaces are coated in a fine white-blue soft powdery mineral. Fractures appear to follow microdefects in the otherwise hard core. These microdefect are hairline, and have a mm-scale bleached white selvage. They pass through the matrix and all clasts, even cutting chert pebbles. Veins of red sphalerite show undulations, with fold axes roughly corresponding to where microdefects cut the vine. No other veining apparent; smears and rough bands of pyrite are at shallow angles to core axis. Brick red sphalerite comprises 5% of the interval, forming fine crystals in the core of chert clasts, disseminated within the matrix of the conglomerate and forming the previously mentioned undulating banded to solid mm-scale veins. Isolated mm-cm scale fine dull brown rounded pyrite nodules/clasts have mm-scale brassy fine-medium pyrite crystal rims, and one instance shows an fe-carb pressure shadow. |        |                         |            |        | 126.25 | 127.35   | 1.10           | 3202436        | 0.46           | 0.00349        | 0.41           | 16.9 | 1.6 |
| <<Alt: 124.15 - 131.52: Strong Silicification>> Pervasive silicification of conglomerate, light blue hue, grades out moving to bottom of interval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                         |            |        | 127.35 | 128.40   | 1.05           | 3202437        | 1.71           | 0.00295        | 1.66           | 23.4 | 1.6 |
| <<Struc: 124.27 - 124.27: Foliation>> Repeated microdefect in silicified core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                         |            |        | 128.40 | 129.50   | 1.10           | 3202438        | 2.41           | 0.00611        | 2.3            | 44.9 | 3.6 |
| <<Struc: 127.11 - 127.11: Vein plane>> Sph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                         |            |        | 129.50 | 130.50   | 1.00           | 3202439        | 0.22           | 0.00406        | 0.17           | 24.1 | 1.6 |
| <<Struc: 128.6 - 128.6: Vein plane>> Py band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                         |            |        | 130.50 | 131.52   | 1.02           | 3202441        | 0.43           | 0.00455        | 0.38           | 16.3 | 1.5 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                         |            |        | 131.52 | 132.60   | 1.08           | 3202443        | 0.03           | 0.0028         | 0.0084         | 17.6 | 0.6 |
| 131.52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 140.14 | MDST Mudstone           | Dark Grey  | VF     | 132.60 | 133.70   | 1.10           | 3202444        | 0.92           | 0.00297        | 0.88           | 23   | 1.3 |

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| From (m)                  | To (m)                       | Rock Type & Description                                                              | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|---------------------------|------------------------------|--------------------------------------------------------------------------------------|----------|--------|--------|----------|-----------------|----------------|----------------|----------------|----------------|
| <<Min: 136.15 - 141.1:    | 15% Sphalerite / 1% Pyrite>> | Sph vein and stockwork zone, mostly parallel to core axis                            | 133.70   | 134.80 | 1.10   | 3202445  | 0.01            | 0.00348        | 0.01           | 5.4            | 0.25           |
| <<Alt: 131.52 - 140.14:   | Moderate Fe Carbonate>>      | Saturation of silty-sandy beds in mudstone by weak-moderate Fe-carb. Weakly magnetic | 134.80   | 136.15 | 1.35   | 3202446  | 0.15            | 0.00357        | 0.08           | 14             | 2.2            |
| <<Struc: 132.6 - 132.6:   | Vein plane>>                 | Qtz-Sph-Fecarb                                                                       | 136.15   | 137.15 | 1.00   | 3202447  | 27.81           | 0.52           | 25.6           | 462.7          | 61.6           |
| <<Struc: 132.68 - 132.68: | Vein plane>>                 | Sph                                                                                  | 137.15   | 138.10 | 0.95   | 3202448  | 20.64           | 0.34           | 19.24          | 268            | 38.7           |
| <<Struc: 133.16 - 133.16: | Vein plane>>                 | Thin Qtz                                                                             | 138.10   | 139.10 | 1.00   | 3202449  | 38.87           | 0.19           | 36.1           | 689            | 93.3           |
| <<Struc: 133.32 - 133.32: | Vein plane>>                 | Thin Qtz                                                                             | 139.10   | 140.14 | 1.04   | 3202450  | 18.39           | 0.00771        | 17.5           | 255            | 31.9           |
| <<Struc: 133.47 - 133.47: | Vein plane>>                 | Banded sph                                                                           |          |        |        |          |                 |                |                |                |                |
| <<Struc: 133.79 - 133.79: | Vein plane>>                 | Fe carb                                                                              |          |        |        |          |                 |                |                |                |                |
| <<Struc: 134.18 - 134.18: | Vein plane>>                 | Fe Carb                                                                              |          |        |        |          |                 |                |                |                |                |
| <<Struc: 134.56 - 134.56: | Vein plane>>                 | Fe carb                                                                              |          |        |        |          |                 |                |                |                |                |
| <<Struc: 134.75 - 134.75: | Vein plane>>                 | Fe carb                                                                              |          |        |        |          |                 |                |                |                |                |
| <<Struc: 134.84 - 134.84: | Vein plane>>                 | Fe carb-Pyrite                                                                       |          |        |        |          |                 |                |                |                |                |
| <<Struc: 134.94 - 134.94: | Vein plane>>                 | Fe carb                                                                              |          |        |        |          |                 |                |                |                |                |
| <<Struc: 135.56 - 135.56: | Vein plane>>                 | Fe carb-pyrite                                                                       |          |        |        |          |                 |                |                |                |                |
| <<Struc: 135.62 - 135.62: | Bedding>>                    |                                                                                      |          |        |        |          |                 |                |                |                |                |
| <<Struc: 135.76 - 135.76: | Vein plane>>                 | Fe carb                                                                              |          |        |        |          |                 |                |                |                |                |
| <<Struc: 137.63 - 137.63: | Bedding>>                    |                                                                                      |          |        |        |          |                 |                |                |                |                |
| <<Struc: 137.84 - 137.84: | Fracture>>                   |                                                                                      |          |        |        |          |                 |                |                |                |                |
| <<Struc: 137.92 - 137.92: | Vein plane>>                 | Banded Sph                                                                           |          |        |        |          |                 |                |                |                |                |
| <<Struc: 138.25 - 138.25: | Bedding>>                    |                                                                                      |          |        |        |          |                 |                |                |                |                |
| <<Struc: 138.63 - 138.63: | Vein plane>>                 | Banded Sph                                                                           |          |        |        |          |                 |                |                |                |                |
| <<Struc: 139.53 - 139.53: | Vein plane>>                 | Banded sph, stockwork section                                                        |          |        |        |          |                 |                |                |                |                |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To (m) | Rock Type & Description | From (m) | To (m) | Length  | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------|---------|----------|-----------------|----------------|----------------|----------------|----------------|
| 140.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 146.63 | CONG Conglomerate       |          |        |         |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | Light Grey FC           |          |        |         |          |                 |                |                |                |                |
| <p>Mixed interval of predominately chert pebble conglomerate with interbeds of silt banded mudstone. The conglomerate is clast supported, with dominant white-grey rounded chert grit to pebbles and subordinate subangular to subrounded grey to dark grey siltstone/mudstone. Mudstone intervals are irregular, showing loose poorly sorted chert granules and pebbles as separate interbeds, as well as loose fragments separated from the main conglomerate observed at both the upper and lower contacts. Conglomerate clasts fine upwards from mostly large pebbles to sand/grit over 2 m towards the upper contact, showing tops uphole. The first meter of the interval is weakly to moderately silicified, with a slight blue hue, grading out downhole. The matrix has been weakly replaced by Fe-carb in m-scale patches downhole from the silicification. Red sphalerite has replaced many of the clasts, either partially or completely, and forms cores or rims internally in chert pebbles. Low angle banded sphalerite veins continue from the uphole interval into the first meter of the conglomerate, and occur as cm-scale isolated veins through the rest of the interval; veins cut both the conglomerate and the muddy interbeds. Up to 6 % brick red sphalerite over the entire interval as banded veins and replacement mineral, with higher grades over smaller sections. &lt; 1 % fine-grained brassy pyrite crystals within scattered clasts or as an accessory mineral in sphalerite veins. The interval ends at the point where mudstone becomes the dominant lithology.</p> <p>&lt;&lt;Alt: 140.14 - 141: Weak Silicification&gt;&gt; Weak silicification of conglomerate around low angle banded sphalerite veins running along core axis.</p> <p>&lt;&lt;Struc: 141 - 141: Vein plane&gt;&gt; Banded sph, stockwork section</p> <p>&lt;&lt;Struc: 141.84 - 141.84: Vein plane&gt;&gt; Banded sph</p> <p>&lt;&lt;Struc: 142.22 - 142.22: Vein plane&gt;&gt; Banded Sph</p> <p>&lt;&lt;Struc: 142.83 - 142.83: Foliation&gt;&gt; Repeated microdefault in conglomerate</p> <p>&lt;&lt;Struc: 144 - 144: Vein plane&gt;&gt; Sph</p> <p>&lt;&lt;Struc: 144.11 - 144.11: Vein plane&gt;&gt; Sph</p> <p>&lt;&lt;Struc: 145 - 145: Vein plane&gt;&gt; Sph, dodges around chert pebbles</p> <p>&lt;&lt;Struc: 145.2 - 145.2: Vein plane&gt;&gt; Sph</p> <p>&lt;&lt;Struc: 145.61 - 145.61: Vein plane&gt;&gt; Sph minor Fe-carb</p> |        |                         |          |        |         |          |                 |                |                |                |                |
| 140.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 141.10 | 0.96                    | 3202451  | 19.88  | 0.04    | 18.73    | 292.3           | 40.2           |                |                |                |
| 141.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 142.30 | 1.20                    | 3202452  | 4.62   | 0.0053  | 4.31     | 80              | 11             |                |                |                |
| 142.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 143.35 | 1.05                    | 3202453  | 0.19   | 0.00188 | 0.16     | 9.6             | 0.9            |                |                |                |
| 143.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 144.45 | 1.10                    | 3202454  | 4.38   | 0.00255 | 4.22     | 46.7            | 5.7            |                |                |                |
| 144.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 145.50 | 1.05                    | 3202455  | 6.03   | 0.01    | 5.74     | 72.4            | 10.3           |                |                |                |
| 145.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 146.63 | 1.13                    | 3202456  | 2.23   | 0.01015 | 2.12     | 28.3            | 3.5            |                |                |                |
| 146.63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 147.83 | 1.20                    | 3202457  | 0.44   | 0.0076  | 0.39     | 11.6            | 1.6            |                |                |                |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To (m) | Rock Type & Description    | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
| 146.63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 152.52 | MDST Mudstone Dark Grey VF | 147.83   | 149.05 | 1.22   | 3202458  | 1.84           | 0.00411        | 1.77           | 21.4           | 2.4            |
| Dark grey bedded mudstone with minor sections of irregular chert pebble conglomerate. Mudstone is very fine, with bedding defined by light grey silty laminae at undulating low angles to core axis. Chert pebble sections tend to be cm-scale and are irregular and patchy, showing generally smaller clasts than is typical for the lithology. A larger conglomerate bed at 150.00 m shows fining uphole. Stylolites have formed normal to each other at 150.85, one following bedding, and one perpendicular to bedding. Light beige Fe carb has saturated patches of the mudstone, and these sections are weakly magnetic. Low angle banded sphalerite veins up to cm-scale undulate through the core axis, with dark red sphalerite on the rims, light orange to yellow in the core of the vein. Thin low angle white quartz+/-Fe carb+/-pyrite veinlets are scattered throughout, forming a weak stockwork at 151.30 m and cutting off a sphalerite vein at 150.70 m. Sphalerite veins cut both the mudstone and chert pebble conglomerate, but flow around the edges of chert pebbles when they are encountered. Up to 8% sphalerite in the interval, mostly contained within one long low angle undulating banded vein, but also replacing the cores or rims of chert pebbles and as matrix replacement mineral in the conglomerate. 1-2 % pyrite as accessory late vein mineral or as isolated matrix mineral in the conglomerate. The interval terminates sharply into chert pebble conglomerate. |        |                            |          |        |        |          |                |                |                |                |                |
| <<Min: 149.05 - 150.2: 15% Sphalerite>> Cm-scale banded sph vein parallel to core axis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                            | 149.05   | 150.20 | 1.15   | 3202459  | 18.65          | 0.08           | 17.57          | 170.8          | 36.1           |
| <<Struc: 147.71 - 147.71: Vein plane>> Late qtz veinlet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                            | 150.20   | 151.35 | 1.15   | 3202461  | 2.19           | 0.00518        | 2.11           | 24.1           | 2.8            |
| <<Struc: 149.31 - 149.31: Vein plane>> Banded sph, undulating through core axis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                            | 151.35   | 152.52 | 1.17   | 3202463  | 1.17           | 0.00842        | 1.09           | 29             | 2.6            |
| <<Struc: 149.62 - 149.62: Vein plane>> Same Banded sph vein, undulating through core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                            |          |        |        |          |                |                |                |                |                |
| <<Struc: 149.85 - 149.85: Vein plane>> Same banded sph vein, undulating through core<br>Same banded sph vein, undulating through core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                            |          |        |        |          |                |                |                |                |                |
| <<Struc: 150.69 - 150.69: Vein plane>> Qtz vein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                            |          |        |        |          |                |                |                |                |                |
| <<Struc: 151.12 - 151.12: Vein plane>> Thin sph-fe carb veinlet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                            |          |        |        |          |                |                |                |                |                |
| <<Struc: 151.62 - 151.62: Vein plane>> Banded sph vein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                            |          |        |        |          |                |                |                |                |                |
| <<Struc: 152.21 - 152.21: Vein plane>> Thin Sph fe carb veinlet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                            |          |        |        |          |                |                |                |                |                |
| <<Struc: 152.47 - 152.47: Vein plane>> Sph Fe carb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                            |          |        |        |          |                |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                            | 152.52   | 153.50 | 0.98   | 3202464  | 0.38           | 0.00521        | 0.34           | 9.7            | 1.2            |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | To (m) | Rock Type & Description         | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
| 152.52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 185.00 | CONG Conglomerate Light Grey FC | 153.50   | 154.50 | 1.00   | 3202465  | 2.33           | 0.01           | 2.08           | 54.6           | 8.8            |
| <p>Polymictic roughly cyclic-graded chert pebble conglomerate with minor interbeds of dark grey mudstone. The conglomerate is heavily clast-supported, dominantly round to subround white/grey chert pebbles, with 15 % subround to angular dark grey or grey-banded mudstone fragments up to 6 cm. Overall competent interval, showing fractures only isolated vein planes or at the contacts with mudstone subintervals. Very hard, but not silicified as muddy fragments can still be scratched by iron. Mudstone intervals show light grey silty laminae-defined bedding ~ 30 degrees to core axis. Mudstone sub-intervals do not exceed dm-scale and are concentrated near the upper contact. The conglomerate is roughly cyclic, with irregular weakly graded dm-scale chert grit-sand beds. Where apparent, grading shows fining towards uphole. Matrix replacement of the conglomerate is patchy either as beige Fe-carb or as brick red sphalerite; Fe-carb replaces the matrix completely within the final 3 m of the interval. All clast lithologies have experienced some degree of replacement by either sphalerite, pyrite or Fe-carb. Three distinct vein sets are present; mm-scale white quartz, cm-scale banded red-orange sphalerite +/- pyrite +/- quartz, and mm-scale solid red sphalerite +/- hairline rims of quartz or Fe-carb. None of the veins are observed cutting each other. Sphalerite comprises 3-4% of the interval, with higher grade sections up to 7 %, as brick red replacement mineral and as brick red-orange vein mineral. Pyrite accompanies some of the sphalerite veins as dull brown very fine crystals, forming coarser bright brassy crystals as rims/disseminations. Pyrite is bright, brassy and fine-to coarse where it has replaced the conglomerate matrix or clasts. The interval abruptly terminates into a dark grey bedded mudstone.</p> |        |                                 |          |        |        |          |                |                |                |                |                |
| <<Min: 156.42 - 158.91: 8% Sphalerite>> Banded and solid red sphalerite veins in mudstone/conglomerate mix, mm-cm scale, at low angles to core axis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                                 | 154.50   | 155.50 | 1.00   | 3202466  | 1.44           | 0.00316        | 1.36           | 20.6           | 2.8            |
| <<Min: 158.91 - 161: 6% Sphalerite / 1% Pyrite>> Patches of dark red sphalerite with lesser pyrite replacing matrix material in chert pebble conglomerate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                                 | 155.50   | 156.42 | 0.92   | 3202467  | 0.42           | 0.00646        | 0.36           | 12.7           | 2              |
| <<Min: 161 - 185: 3% Sphalerite / 2% Pyrite>> Mix of minor replacement mineral and mm to cm scale banded or solid red sphalerite veins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                 | 156.42   | 157.70 | 1.28   | 3202468  | 15.7           | 0.01           | 14.96          | 170.4          | 26.4           |
| <<Alt: 182 - 185: Moderate Fe Carbonate>> Fe-carb replacement of matrix in chert pebble conglomerate leading into mudstone unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                 | 157.70   | 158.91 | 1.21   | 3202469  | 3              | 0.00787        | 2.83           | 43             | 5.8            |
| <<Struc: 153.7 - 153.7: Vein plane>> Pyrite veinlet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                                 | 158.91   | 160.00 | 1.09   | 3202470  | 1.24           | 0.00466        | 1.17           | 25.3           | 2.4            |
| <<Struc: 155.87 - 155.87: Vein plane>> Sph Fe carb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                                 | 160.00   | 161.00 | 1.00   | 3202471  | 5.23           | 0.00419        | 5.05           | 94.8           | 6.3            |
| <<Struc: 156.55 - 156.55: Vein plane>> Diffuse Sph band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                 | 161.00   | 162.00 | 1.00   | 3202472  | 0.86           | 0.00699        | 0.8            | 21.4           | 2.1            |
| <<Struc: 156.57 - 156.57: Vein plane>> Sph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                                 | 162.00   | 163.00 | 1.00   | 3202473  | 0.95           | 0.00336        | 0.9            | 18.6           | 1.6            |
| <<Struc: 157 - 157: Vein plane>> Sph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                                 | 163.00   | 164.00 | 1.00   | 3202474  | 0.46           | 0.00671        | 0.41           | 12.3           | 1.6            |
| <<Struc: 157.05 - 157.05: Vein plane>> Sph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                                 | 164.00   | 165.00 | 1.00   | 3202475  | 1.06           | 0.00505        | 0.98           | 26.7           | 2.8            |
| <<Struc: 157.09 - 157.09: Vein plane>> Diffuse sph band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                                 | 165.00   | 166.00 | 1.00   | 3202476  | 0.89           | 0.00314        | 0.85           | 13.3           | 1.5            |
| <<Struc: 157.25 - 157.25: Vein plane>> Banded Sph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 | 166.00   | 167.00 | 1.00   | 3202477  | 11.3           | 0.04           | 10.58          | 155.4          | 24.5           |
| <<Struc: 157.39 - 157.39: Vein plane>> Banded sph, qtz core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                                 | 167.00   | 168.00 | 1.00   | 3202478  | 2.39           | 0.03           | 2.22           | 38.6           | 5              |
| <<Struc: 157.74 - 157.74: Vein plane>> Sph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                                 | 168.00   | 169.00 | 1.00   | 3202479  | 0.36           | 0.00829        | 0.3            | 13.3           | 1.7            |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)          | Rock Type & Description                                               | From (m)  | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------|-----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
| <<Struc: 157.85 - 157.85: Vein plane>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | Sph                                                                   | 169.00    | 170.00 | 1.00   | 3202481  | 0.34           | 0.01065        | 0.25           | 19.9           | 2.7            |
| <<Struc: 157.96 - 157.96: Vein plane>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | Qtz Fe-carb                                                           | 170.00    | 171.00 | 1.00   | 3202483  | 2.7            | 0.00941        | 2.54           | 51.1           | 5.4            |
| <<Struc: 158.31 - 158.31: Vein plane>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | Banded sph                                                            | 171.00    | 172.00 | 1.00   | 3202484  | 11.72          | 0.07           | 10.8           | 161.7          | 30.8           |
| <<Struc: 158.6 - 158.6: Bedding>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                                       | 172.00    | 173.00 | 1.00   | 3202485  | 11.14          | 0.02           | 10.46          | 158.9          | 23.8           |
| <<Struc: 158.91 - 158.91: Contact>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 | Contact of mudstone bed in conglomerate                               | 173.00    | 174.00 | 1.00   | 3202486  | 1.71           | 0.00871        | 1.61           | 38.8           | 3.3            |
| <<Struc: 178 - 178: >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | Grit grading to sand in conglomerate bed                              | 174.00    | 175.05 | 1.05   | 3202487  | 1.03           | 0.00485        | 0.97           | 34.9           | 2.1            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 175.05    | 176.00 | 0.95   | 3202488  | 0.23           | 0.00339        | 0.2            | 11.3           | 1              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 176.00    | 177.00 | 1.00   | 3202489  | 0.16           | 0.00334        | 0.13           | 12.8           | 0.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 177.00    | 178.00 | 1.00   | 3202490  | 0.15           | 0.00217        | 0.13           | 6.6            | 0.6            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 178.00    | 179.00 | 1.00   | 3202491  | 0.33           | 0.00413        | 0.29           | 14.8           | 1.2            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 179.00    | 180.00 | 1.00   | 3202492  | 1.46           | 0.00528        | 1.35           | 32.9           | 3.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 180.00    | 181.00 | 1.00   | 3202493  | 1.23           | 0.00353        | 1.17           | 23.6           | 2.1            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 181.00    | 182.00 | 1.00   | 3202494  | 1.33           | 0.00389        | 1.25           | 23.6           | 2.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 182.00    | 183.00 | 1.00   | 3202495  | 0.24           | 0.00244        | 0.22           | 9.1            | 0.7            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 183.00    | 184.00 | 1.00   | 3202496  | 0.1            | 0.00185        | 0.1            | 5.6            | 0.25           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 184.00    | 185.00 | 1.00   | 3202497  | 0.13           | 0.00333        | 0.11           | 6              | 0.6            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                       | 185.00    | 185.74 | 0.74   | 3202498  | 5.57           | 0.03           | 5.31           | 92.5           | 8.5            |
| <b>185.00 199.20 MDST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Mudstone</b> | <b>Dark Grey</b>                                                      | <b>VF</b> |        |        |          |                |                |                |                |                |
| Silty-bedded dark grey fractured mudstone in the hanging wall of a major fault. Medium hard, being easily scratched with an iron scribe. Bedding is tight and regular at high angles to core axis, defined by grey silty laminae and isolated pyrite bands. Mm-cm scale scattered light beige-olive ashy Fe-carb rich bands parallel bedding planes, and these are weakly magnetic. Strong-intense fracturing starts at 185.74, and all broken surfaces are shiny with graphite. Fractures either parallel bedding or run along the core axis; cm-dm scale sections of graphitic rubble define zones of intense fracturing. Healed black gouge over cm-scale sections is associated with very minor mm-scale white quartz veins. Within the first 0.74 m of the interval, mm-scale banded red-orange sphalerite veins variably brecciated by fine beige Fe-carb are common, disappearing after this mark. Cm-scale rounded pyrite nodules are weakly elongated along bedding planes in the mudstone from 190 - 192 m, and cm-scale pyrite bands appear within the final meter. Mm-scale blebs of silver-blue galena are hosted in a white quartz vein at 193.70 m. The interval terminates in quartz-rich black graphitic gouge/rubble. |                 |                                                                       |           |        |        |          |                |                |                |                |                |
| <<Min: 185 - 185.74: 8% Sphalerite>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 | Banded sph veins in more competent mudstone before fracturing begins. | 185.74    | 187.00 | 1.26   | 3202499  | 0.44           | 0.00444        | 0.41           | 20.4           | 0.9            |
| <<Struc: 185 - 185: Contact>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 | Sharp contact between uphole MMC and downhole MMP                     | 187.00    | 188.00 | 1.00   | 3202501  | 0.07           | 0.00663        | 0.04           | 24             | 0.7            |
| <<Struc: 187.2 - 187.2: Bedding>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                                       | 188.00    | 189.10 | 1.10   | 3202503  | 0.05           | 0.00628        | 0.02           | 24.8           | 0.7            |
| <<Struc: 188.6 - 188.6: Bedding>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                                       | 189.10    | 190.20 | 1.10   | 3202504  | 0.57           | 0.00574        | 0.53           | 81.4           | 1.1            |
| <<Struc: 189.46 - 189.46: Bedding>>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                                                                       | 190.20    | 191.20 | 1.00   | 3202505  | 0.11           | 0.00907        | 0.08           | 30             | 0.6            |

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| From (m)                            | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-------------------------------------|--------|-------------------------|----------|--------|--------|----------|-----------------|----------------|----------------|----------------|----------------|
| <<Struc: 192.48 - 192.48: Bedding>> |        |                         | 191.20   | 192.30 | 1.10   | 3202506  | 0.14            | 0.05           | 0.04           | 76.9           | 1.8            |
| <<Struc: 194.33 - 194.33: Bedding>> |        |                         | 192.30   | 193.30 | 1.00   | 3202507  | 0.61            | 0.04           | 0.52           | 94.3           | 1.8            |
| <<Struc: 199.01 - 199.01: Bedding>> |        |                         | 193.30   | 194.40 | 1.10   | 3202508  | 0.22            | 0.09           | 0.07           | 82             | 2.1            |
|                                     |        |                         | 194.40   | 195.30 | 0.90   | 3202509  | 0.5             | 0.11           | 0.33           | 122.8          | 2.4            |
|                                     |        |                         | 195.30   | 196.30 | 1.00   | 3202510  | 0.05            | 0.02           | 0.0103         | 71.7           | 0.7            |
|                                     |        |                         | 196.30   | 197.30 | 1.00   | 3202511  | 0.05            | 0.02           | 0.0117         | 62.7           | 0.7            |
|                                     |        |                         | 197.30   | 198.30 | 1.00   | 3202512  | 0.11            | 0.02           | 0.06           | 83.7           | 1              |
|                                     |        |                         | 198.30   | 199.20 | 0.90   | 3202513  | 0.09            | 0.01           | 0.03           | 49.4           | 1.6            |

## 199.20 204.55 MDST Mudstone Grey FG

Faulted, brecciated and silicified fine grey mudstone. Remnant sharp silty bands define bedding ~ 50-55 degrees to core axis; stylolites both parallel and are normal to bedding planes throughout the interval. Black graphitic rubble and fault gouge over m-scale mark the upper and lower contact of the interval, accompanied by heavy quartz veining. Silicification is pervasive and strong due to abundant mm-cm scale stockwork white quartz veins in the core of the interval, rarely hosting angular mm-scale rotated clasts of the host mudstone. Lesser late quartz-sphalerite +/- pyrite/galena/Fe-carb veins are chaotic, cutting through the earlier stockwork veins; stylolites cut early veins, but not the later mineralized veins. Dm-scale pyrite-rich quartz zones mark the boundaries of gouge/rubble sections. Up to 4 % Dark red-orange sphalerite contained within late veins, with a minor amount as ground up granules within solid fault gouge. Pyrite is most prevalent as bright brassy fine crystals near the upper and lower contacts in quartz veins, with one richer section diffused through 11 cm of fault gouge near the lower contact. Rare specks of galena in larger quartz veins. The interval terminates in a sharp 7 cm white quartz vein.

<<Min: 199.2 - 204.55: 7% Pyrite / 5% Sphalerite / 0.1% Galena>> Mineralization associated with veins, rubble/gouge in faulted section. Rare galena in quartz veins.

<<Alt: 199.2 - 231.86: Strong Silicification>> Silicified MMP, diamictite and carbonaceous mudstone in proximity to faults/shears and stockworking quartz veins.

<<Struc: 201 - 201: Bedding>> Assumed bedding, but overprinted by silicification.

<<Struc: 201.33 - 201.33: Fabric 1>> Stylolite, part of normal set, alpha towards uphole

<<Struc: 201.34 - 201.34: Fabric 1>> Stylolite, part of normal set alpha towards downhole

<<Struc: 204.22 - 204.22: Fault>> Sharp contact of pyrite-qtz-gouge band on disrupted mudstone

|        |        |      |         |      |      |      |       |     |
|--------|--------|------|---------|------|------|------|-------|-----|
| 199.20 | 200.30 | 1.10 | 3202514 | 0.33 | 0.13 | 0.06 | 98.6  | 4.8 |
| 200.30 | 201.40 | 1.10 | 3202515 | 0.67 | 0.02 | 0.61 | 46.5  | 1.5 |
| 201.40 | 202.40 | 1.00 | 3202516 | 1.25 | 0.02 | 1.19 | 103.3 | 1.6 |
| 202.40 | 203.50 | 1.10 | 3202517 | 2.54 | 0.04 | 2.44 | 100.7 | 2.3 |
| 203.50 | 204.55 | 1.05 | 3202518 | 2.23 | 0.16 | 1.92 | 138.4 | 5.4 |

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| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | To (m) | Rock Type & Description    | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|----------|--------|--------|----------|-----------------|----------------|----------------|----------------|----------------|
| 204.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 208.68 | DIAM Diamictite            | 204.55   | 205.60 | 1.05   | 3202519  | 1.57            | 0.07           | 1.38           | 47.5           | 4.4            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | Dark Grey FC               | 205.60   | 206.65 | 1.05   | 3202521  | 1.26            | 0.06           | 1.12           | 45.5           | 2.9            |
| <p>Silicified grey to dark muddy polymictic diamictite in the footwall of a major fault. Clasts are 50/50 rounded to subrounded chert grit-pebbles and subangular mudstone. Chert pebbles are commonly disrupted internally by hairline fractures; mudstone clasts are uncommonly shattered by the grey silica-rich host matrix. Stylolites are numerous, cutting through all clasts and the matrix along both low/high angles, approximately normal to each other. Mudstone clasts are outlined by stylolites moving towards the bottom of the interval. Pervasive silicification bleaches the muddy matrix grey. Strong chaotic and disrupted mm-cm scale white quartz veining occurs within the first 2.5 m of the interval with uncommon blebs of pyrite and red sphalerite, lessening moving downhole. Vein relationships could not be determined due to the chaotic nature of the interval. However, stockworking veins are of the same generation, and a relatively intact planar mm-scale white quartz vein at 205.50 m cuts through the silicified diamictite matrix, muddy clasts and blebby pyrite; stylolites offset and crosscut all veins. Fine brassy pyrite has replaced scattered clasts of both types, either partially or completely. Red sphalerite also uncommonly replaces clasts, but is mostly confined to mm-scale quartz veins. Single visible speck of crystalline galena in a cm-scale quartz vein marking the start of the section. The interval terminates sharply into a sulphide-saturated mudstone, with the contact defined by a cm-scale band of quartz and fine white soft powdery mineral.</p> <p>&lt;&lt;Min: 204.55 - 208.68: 4% Pyrite / 2% Sphalerite / 0.1% Galena&gt;&gt; Vein-hosted brick red sphalerite, pyrite in disrupted bands and as clast replacement mineral. Mm-scale speck of galena in large quartz vein at start of interval.</p> <p>&lt;&lt;Struc: 205.39 - 205.39: Fabric 1&gt;&gt; One part of normal stylolite set</p> <p>&lt;&lt;Struc: 205.4 - 205.4: Fabric 1&gt;&gt; Second part of normal stylolite set</p> |        |                            |          |        |        |          |                 |                |                |                |                |
| 206.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 207.65 |                            | 206.65   | 207.65 | 1.00   | 3202523  | 2.43            | 0.28           | 1.88           | 75.6           | 10.1           |
| 207.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 208.68 |                            | 207.65   | 208.68 | 1.03   | 3202524  | 3.48            | 0.76           | 2.1            | 112.9          | 22.9           |
| 208.68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 212.44 | SMSX Semi-massive sulphide | 208.68   |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | Dark Grey FC               |          |        |        |          |                 |                |                |                |                |
| <p>Semi-massive to laminated/banded pyrite in dark grey/black thin bedded mudstone. The upper contact contains predominately semi-massive pyrite, grading into bands/laminae by 210.00 m. Laminae parallel apparent bedding in mudstone that undulates between near parallel to ~ 50 degrees to core axis. The mudstone is siliceous and contains very fine disseminated pyrite, with a band of widely spaced chert gravel from 211.00 - 211.25 m. Hairline faint quartz crackle breccia are overprinted by pyrite, which is in turn cut by repeated mm-scale white qtz-sphalerite veins exploiting a fabric generally normal to the bedding plane. Rare pyrite bands/laminae show brittle dextral offset when cut by the quartz-sphalerite veins. Tight quartz-graphite-pyrite shearing encompasses the final meter of the interval parallel to core axis. Fine-medium anhedral sphalerite has taken on a metallic-pink luster in this interval, visually different from that hosted by veins uphole. Cm-scale clots/patches are nested within the semi-massive pyrite at the start of the interval, then appearing as vein material crosscutting bedding/pyrite laminae further downhole. Pyrite comprises 60 % of the interval as very fine to coarse dull-brassy crystals in laminae/bands or in dm-scale massive sections. The interval terminates at a cm-scale quartz vein marking the end of the shear.</p> <p>&lt;&lt;Min: 208.68 - 212.44: 60% Pyrite / 5% Sphalerite&gt;&gt; Semi-massive to laminated pyrite in black siliceous mudstone. Metallic pink sphalerite as cm-scale clots in semi-massive sections or as vein mineral.</p> <p>&lt;&lt;Struc: 208.68 - 208.68: Contact&gt;&gt; Sharp contact between upper diamictite and lower sulphide flooded bedded black mudstone.</p> <p>&lt;&lt;Struc: 210.25 - 210.25: Bedding&gt;&gt; Py-lam defined bedding in black mudstone</p>                                                                                                                                                                             |        |                            |          |        |        |          |                 |                |                |                |                |

Hole: NB20-001

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To (m)        | Rock Type & Description    | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                            | 208.68   | 209.70 | 1.02   | 3202525  | 6.85            | 0.25           | 5.87           | 134.2          | 26.8           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                            | 209.70   | 210.53 | 0.83   | 3202526  | 5.91            | 0.47           | 4.59           | 102.9          | 31.2           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                            | 210.53   | 211.60 | 1.07   | 3202527  | 2.79            | 0.37           | 1.73           | 67.1           | 24.4           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                            | 211.60   | 212.44 | 0.84   | 3202528  | 0.41            | 0.1            | 0.14           | 35             | 5.7            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                            | 212.44   | 213.46 | 1.02   | 3202529  | 0.16            | 0.03           | 0.03           | 39.1           | 3.1            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                            | 213.46   | 214.45 | 0.99   | 3202530  | 7.3             | 0.11           | 7.02           | 84.6           | 6.2            |
| <b>212.44</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>216.43</b> | <b>BMST Black mudstone</b> |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | <b>Black VF</b>            |          |        |        |          |                 |                |                |                |                |
| <p>Black siliceous mudstone with brassy pyrite and steel grey sphalerite laminae. Mudstone is thinly bedded between 25-30 degrees to core axis and is very hard, with carbonaceous fracture surfaces. Laminae are hairline, rarely exceeding 2 mm true width, and parallel bedding planes. Rare mm-scale bands of diamictite follow bedding. Sphalerite laminae appear densely speckled, forming a sub-mm nodular texture..pseudomorph after barite? A second repeated fabric approximately normal to bedding is exploited by planer Fe-carb-sphalerite veins in sphalerite-laminae sections; stylolites and pyrite bands define this fabric otherwise. Minor apparent dextral offset to bedding is associated with the second fabric, most apparent in sphalerite laminae. Four separate vein sets - early white quartz veins cut normal to bedding, red sphalerite-quartz veins cut bedding at a different angle and are only present within the sphalerite laminae section, and all are cut by roughly bedding-parallel or bedding normal pyrite bands. The pyrite bands are from the same veining event. A fourth later quartz vein set confined to the upper portion of the interval near the shear cuts pyrite bands and hosts mm-scale fragments of mudstone. Pyrite bands following bedding in proximity to sphalerite laminae have remobilized the sphalerite, forming a mm-scale steel grey halo. From the uphole contact, hairline pyrite laminae grade into steel grey sphalerite laminae by 213.45, then grade back to pyrite at 214.50 m. 7-8 % total sphalerite as steel grey laminae and as vein mineral. Very fine to fine disseminated brassy euhedral pyrite throughout the interval, in addition to laminae and bands. The interval terminates into a muddy silicified diamictite, marked by a dm-scale pyritic matrix hosting clasts of mudstone at the contact.</p> <p>&lt;&lt;Min: 212.44 - 216.43: 10% Pyrite / 7% Sphalerite&gt;&gt; Pyrite and steel grey sphalerite laminae - see "Lithology" for more detailed description</p> <p>&lt;&lt;Struc: 214 - 214: Bedding&gt;&gt; Bedding defined by grey sphalerite laminae</p> <p>&lt;&lt;Struc: 215.31 - 215.31: Shear&gt;&gt; Mm-scale qtz-graphitic shear cutting low angle to bedding</p> <p>&lt;&lt;Struc: 215.65 - 215.65: Bedding&gt;&gt;</p> |               |                            |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                            | 214.45   | 215.45 | 1.00   | 3202531  | 0.37            | 0.08           | 0.18           | 33.5           | 3.7            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                            | 215.45   | 216.43 | 0.98   | 3202532  | 0.38            | 0.09           | 0.14           | 52.5           | 4.9            |

Hole: NB20-001

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
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| 216.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 231.86 | DIAM Diamictite         |          |        |        |          |                 |                |                |                |                |
| <p>Silicified grey muddy polymictic diamictite. Clast supported, with sand-boulder sized subround to subangular grey-dark grey mudstone and rounded to subrounded chert pebbles. The matrix is generally grey-dark grey mud, with rare dm-scale sections possessing a blue-grey hue. All clasts lithologies are commonly veined/internally fractured, and show weak partial to complete sulphide replacement moving downhole. Early hairline to mm-scale white quartz veinlets follow two fabrics normal to each other. Stylolites also exploit these two fabrics, cutting through each clast lithology and disrupting the original quartz veins; later mm-cm scale pyrite-quartz-sphalerite-galena veins running parallel to core axis appear unaffected by the stylolites. These later veins possess a core of white quartz, varying in size, a rim of dull brassy pyrite, and commonly carry rounded to angular mudstone fragments; pyrite is coarser and brassier where it contacts quartz. Metallic pink sphalerite and silver galena are accessory minerals, generally forming along the interior rim between pyrite and white quartz. Rare hairline stockworks of metallic pink sphalerite +/- galena occur over cm-scale sections. Flecks of galena and sphalerite replace portions of rare chert pebbles; dull brown pyrite more commonly partially to completely replaces muddy clasts. The interval grades into chert pebble conglomerate, with larger clasts of MMC appearing over the final 2 m.</p> <p>&lt;&lt;Min: 216.43 - 231.86: 12% Pyrite&gt;&gt;</p> <p>&lt;&lt;Struc: 217.43 - 217.43: Fabric 1&gt;&gt; Set of normal stylolites, first one alpha pointing uphole</p> <p>&lt;&lt;Struc: 217.44 - 217.44: Fabric 1&gt;&gt; Set of normal stylolites, second one alpha towards downhole.</p> <p>&lt;&lt;Struc: 223.46 - 223.46: Shear&gt;&gt; Best guess. Cm-scale band of tightly laminated/undulating graphite and variably brassy or dull brown pyrite.</p> <p>&lt;&lt;Struc: 224.84 - 224.84: Fracture&gt;&gt; Repeated set of open microdefects</p> |        |                         |          |        |        |          |                 |                |                |                |                |
| 216.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 217.35 |                         | 3202533  | 0.94   | 0.14   | 0.64     | 59.3            | 6.1            |                |                |                |
| 217.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 218.35 |                         | 3202534  | 1.45   | 0.05   | 1.26     | 58.1            | 5              |                |                |                |
| 218.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 219.20 |                         | 3202535  | 1.18   | 0.12   | 0.83     | 75.7            | 8.4            |                |                |                |
| 219.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 220.00 |                         | 3202536  | 2.52   | 0.54   | 1.55     | 91.7            | 16             |                |                |                |
| 220.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 221.02 |                         | 3202537  | 0.92   | 0.05   | 0.78     | 49.3            | 3.2            |                |                |                |
| 221.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 222.15 |                         | 3202538  | 1.96   | 0.59   | 1.08     | 84              | 11             |                |                |                |
| 222.15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 223.25 |                         | 3202539  | 0.14   | 0.05   | 0.05     | 28.9            | 1.3            |                |                |                |
| 223.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 224.25 |                         | 3202541  | 0.16   | 0.08   | 0.01     | 36.7            | 2.3            |                |                |                |
| 224.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 225.25 |                         | 3202543  | 0.37   | 0.12   | 0.17     | 52.3            | 2.8            |                |                |                |
| 225.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 226.30 |                         | 3202544  | 2.13   | 0.42   | 1.49     | 98.5            | 8.5            |                |                |                |
| 226.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 227.00 |                         | 3202545  | 1.15   | 0.83   | 0.03     | 42              | 10.1           |                |                |                |
| 227.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 227.90 |                         | 3202546  | 2.22   | 1.56   | 0.14     | 44.8            | 18.3           |                |                |                |
| 227.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 229.10 |                         | 3202547  | 1.16   | 0.42   | 0.57     | 69.3            | 6.5            |                |                |                |

Hole: NB20-001

| From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | To (m)        | Rock Type & Description  | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 229.10   | 230.00 | 0.90   | 3202548  | 1.04            | 0.53           | 0.29           | 40.1           | 8              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 230.00   | 231.00 | 1.00   | 3202549  | 1.28            | 0.61           | 0.36           | 77             | 11             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 231.00   | 231.86 | 0.86   | 3202550  | 0.48            | 0.15           | 0.21           | 33.1           | 4.1            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 231.86   | 233.00 | 1.14   | 3202551  | 1.68            | 0.11           | 1.3            | 81.7           | 9.7            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 233.00   | 234.18 | 1.18   | 3202552  | 9.19            | 0.72           | 7.92           | 170.3          | 20.7           |
| <b>231.86</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>283.15</b> | <b>CONG Conglomerate</b> |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               | <b>Light Grey FC</b>     |          |        |        |          |                 |                |                |                |                |
| <p>Variably mineralized polymictic chert pebble conglomerate with uncommon interbeds of bedded mudstone. Conglomerate is clast supported, with 70% rounded to subrounded white/light grey chert pebbles and 5-10% subrounded to subangular grey-dark grey mudstone clasts. The matrix is light grey and siliceous, but is slightly softer than previously observed in this unit. Mudstone interbeds are no wider than 1.09 m, and change in appearance from dominant grey "pinstriped" mudstone uphole to dark grey-black pyritic and carbonaceous mudstone with disrupted cherty beds in the lower half of the interval. The matrix and uncommon clasts have been variably replaced by pyrite, grading stronger moving downhole, +/- pink sphalerite; Fe-carb replacement is completely absent. Veining is minimal as rare pyritic bands cutting bedding within mudstone interbeds or as rare discontinuous/disjointed pink sphalerite veinlets in the conglomerate matrix. A cm-scale pyrite-rimmed white quartz vein parallel to core axis occurs at the top of the interval. Pyrite is ubiquitous as matrix/clast replacement material, locally up to 45% over m-scale, and has saturated bedding planes in the darker carbonaceous mudstone interbeds. Metallic pink sphalerite forms dense matrix replacement in rare sections up to dm-scale, otherwise as isolated irregular diffuse veinlets with rare minor clast replacement. The white quartz vein near the upper contact hosts minor sphalerite and silvery galena internally. The interval terminates abruptly at a cm-scale graphitic/banded quartz vein, with black mudstone afterwards.</p> <p>&lt;&lt;Min: 231.86 - 234.18: 20% Pyrite / 5% Sphalerite / 0.2% Galena&gt;&gt; Pyrite flooded conglomerate matrix with lesser pink sphalerite, vein hosted pink sphalerite and galena.</p> <p>&lt;&lt;Min: 240.35 - 241.7: 8% Sphalerite / 7% Pyrite&gt;&gt; Sphalerite-rich matrix/clast replacement accompanied by very fine dull to brassy pyrite.</p> <p>&lt;&lt;Min: 247.72 - 248.88: 7% Sphalerite / 5% Pyrite / 1% Barite&gt;&gt; Sphalerite-rich patchy matrix/clast replacement, cm-scale black mudstone clast speckled through with mm-scale to sub-mm white/light grey barite (?).</p> <p>&lt;&lt;Struc: 234.18 - 234.18: Fracture&gt;&gt;</p> <p>&lt;&lt;Struc: 234.99 - 234.99: Fracture&gt;&gt;</p> <p>&lt;&lt;Struc: 241.28 - 241.28: Bedding&gt;&gt;</p> |               |                          |          |        |        |          |                 |                |                |                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 234.18   | 235.10 | 0.92   | 3202553  | 0.23            | 0.03           | 0.11           | 31.2           | 2.9            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 235.10   | 236.45 | 1.35   | 3202554  | 1.01            | 0.04           | 0.85           | 52.1           | 4.3            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 236.45   | 237.50 | 1.05   | 3202555  | 0.13            | 0.02           | 0.02           | 42.3           | 2.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 237.50   | 238.50 | 1.00   | 3202556  | 0.32            | 0.01           | 0.18           | 44.2           | 4.3            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 238.50   | 239.50 | 1.00   | 3202557  | 0.47            | 0.02           | 0.3            | 57.3           | 5.2            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 239.50   | 240.35 | 0.85   | 3202558  | 0.26            | 0.03           | 0.06           | 46.5           | 5.5            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 240.35   | 241.70 | 1.35   | 3202559  | 14.58           | 0.05           | 14.24          | 213            | 10.7           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 241.70   | 242.70 | 1.00   | 3202561  | 0.76            | 0.02           | 0.65           | 42.5           | 3.1            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 242.70   | 243.92 | 1.22   | 3202563  | 0.47            | 0.08           | 0.15           | 58.9           | 7.8            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 243.92   | 244.78 | 0.86   | 3202564  | 1.53            | 0.04           | 1.39           | 45.2           | 3.7            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 244.78   | 245.75 | 0.97   | 3202565  | 1.07            | 0.03           | 0.96           | 46             | 3              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                          | 245.75   | 246.76 | 1.01   | 3202566  | 0.56            | 0.07           | 0.35           | 48.8           | 4.9            |

Hole: NB20-001

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|----------|--------|-------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
|          |        |                         | 246.76   | 247.72 | 0.96   | 3202567  | 0.53           | 0.02           | 0.45           | 30.7           | 2.3            |
|          |        |                         | 247.72   | 248.88 | 1.16   | 3202568  | 12.31          | 0.02           | 12.07          | 155.7          | 7.8            |
|          |        |                         | 248.88   | 249.90 | 1.02   | 3202569  | 0.19           | 0.02           | 0.14           | 22.9           | 1.2            |
|          |        |                         | 249.90   | 250.88 | 0.98   | 3202570  | 0.13           | 0.02           | 0.03           | 44.3           | 2.5            |
|          |        |                         | 250.88   | 251.91 | 1.03   | 3202571  | 0.1            | 0.03           | 0.01           | 43.1           | 2              |
|          |        |                         | 251.91   | 252.88 | 0.97   | 3202572  | 0.1            | 0.03           | 0.0036         | 63             | 2.3            |
|          |        |                         | 252.88   | 253.90 | 1.02   | 3202573  | 0.08           | 0.03           | 0.0032         | 41.5           | 1.4            |
|          |        |                         | 253.90   | 254.80 | 0.90   | 3202574  | 0.17           | 0.03           | 0.06           | 58.2           | 2.7            |
|          |        |                         | 254.80   | 255.83 | 1.03   | 3202575  | 0.13           | 0.04           | 0.0031         | 61.1           | 2.8            |
|          |        |                         | 255.83   | 256.70 | 0.87   | 3202576  | 0.1            | 0.03           | 0.0038         | 42.8           | 2.1            |
|          |        |                         | 256.70   | 257.65 | 0.95   | 3202577  | 0.1            | 0.03           | 0.0021         | 41.4           | 2.1            |
|          |        |                         | 257.65   | 258.65 | 1.00   | 3202578  | 0.1            | 0.03           | 0.0041         | 65.7           | 2.2            |
|          |        |                         | 258.65   | 259.60 | 0.95   | 3202579  | 0.09           | 0.02           | 0.0038         | 50.1           | 2.1            |
|          |        |                         | 259.60   | 260.55 | 0.95   | 3202581  | 0.05           | 0.01           | 0.01           | 34.8           | 1.1            |
|          |        |                         | 260.55   | 261.55 | 1.00   | 3202583  | 0.09           | 0.02           | 0.03           | 34.7           | 1.2            |
|          |        |                         | 261.55   | 262.50 | 0.95   | 3202584  | 0.06           | 0.01           | 0.0073         | 37.7           | 1.4            |
|          |        |                         | 262.50   | 263.50 | 1.00   | 3202585  | 0.17           | 0.04           | 0.05           | 45.9           | 2.5            |
|          |        |                         | 263.50   | 264.50 | 1.00   | 3202586  | 0.09           | 0.03           | 0.0026         | 37.1           | 1.8            |
|          |        |                         | 264.50   | 265.50 | 1.00   | 3202587  | 0.18           | 0.06           | 0.0019         | 57.2           | 3.9            |
|          |        |                         | 265.50   | 266.50 | 1.00   | 3202588  | 0.11           | 0.04           | 0.0039         | 47.5           | 2.3            |
|          |        |                         | 266.50   | 267.50 | 1.00   | 3202589  | 0.44           | 0.05           | 0.21           | 53.4           | 6.1            |
|          |        |                         | 267.50   | 268.54 | 1.04   | 3202590  | 0.21           | 0.05           | 0.02           | 38             | 4.4            |
|          |        |                         | 268.54   | 269.50 | 0.96   | 3202591  | 3.16           | 0.08           | 2.81           | 99.2           | 9.7            |
|          |        |                         | 269.50   | 270.60 | 1.10   | 3202592  | 3.71           | 0.04           | 3.57           | 64.5           | 3.5            |
|          |        |                         | 270.60   | 271.80 | 1.20   | 3202593  | 0.65           | 0.03           | 0.56           | 49.5           | 2.1            |
|          |        |                         | 271.80   | 272.85 | 1.05   | 3202594  | 0.21           | 0.04           | 0.12           | 70.2           | 1.7            |
|          |        |                         | 272.85   | 273.80 | 0.95   | 3202595  | 0.18           | 0.02           | 0.12           | 38.2           | 1.5            |
|          |        |                         | 273.80   | 274.80 | 1.00   | 3202596  | 1.95           | 0.04           | 1.84           | 80.2           | 2.7            |
|          |        |                         | 274.80   | 275.88 | 1.08   | 3202597  | 3.99           | 0.93           | 2.7            | 3230.9         | 14             |

Hole: NB20-001

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | Zn Equiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|----------|--------|-------------------------|----------|--------|--------|----------|-----------------|----------------|----------------|----------------|----------------|
|          |        |                         | 275.88   | 276.38 | 0.50   | 3202598  | 5.15            | 0.07           | 4.9            | 206.6          | 6.4            |
|          |        |                         | 276.38   | 277.25 | 0.87   | 3202599  | 0.1             | 0.02           | 0.03           | 27.1           | 1.5            |
|          |        |                         | 277.25   | 278.25 | 1.00   | 3202601  | 0.6             | 0.02           | 0.54           | 29.3           | 1.6            |
|          |        |                         | 278.25   | 279.25 | 1.00   | 3202603  | 0.47            | 0.04           | 0.35           | 35.2           | 3.1            |
|          |        |                         | 279.25   | 280.25 | 1.00   | 3202604  | 0.25            | 0.05           | 0.08           | 35.3           | 4.1            |
|          |        |                         | 280.25   | 281.13 | 0.88   | 3202605  | 0.15            | 0.04           | 0.0028         | 35.3           | 3.5            |
|          |        |                         | 281.13   | 282.15 | 1.02   | 3202606  | 0.34            | 0.06           | 0.0053         | 72.6           | 8.9            |
|          |        |                         | 282.15   | 283.15 | 1.00   | 3202607  | 0.16            | 0.04           | 0.03           | 31.2           | 3              |

## 283.15 303.50 MDST Mudstone Dark Grey FG

Dark grey siliceous mudstone with banded cherty intervals containing pervasive pyrite and quartz veining throughout.

A small zone of fault gouge is located at 194.40-195.50 m and 296.88-297.00 m. An increase in quartz veining is noted at the top and bottom of these fault zones. Microfractures are generally oriented at 40-50 degrees to the core axis. Bedding has experienced soft sediment deformation in addition to post-lithification microfaulting. Below 288 m, mechanical fractures are pervasive and the interval becomes less siliceous and is increasingly friable. Interval has undergone silicification, with alteration decreasing downhole causing increased friability towards the bottom of the interval except in immediate proximity to the fault zone. Stylolites occur parallel to bedding.

Thinly laminated radiolaria are observed in a single sub-dm scale interval at 288.60 m. Quartz vein breccias occur and are overprinted in some areas by irregular pyrite veins. Semi-massive pyrite occurs at the beginning 30 cm of the interval transitioning to pyrite veins and nodules downhole. Pyrite veins are irregular and range from 1-30 mm while quartz veins range from sub-mm scale up to 10 mm. Cm-scale pyrite veins occur at a low angle to bedding and the core axis. Up to 2% disseminated pyrite occurs in localized mudstone intervals. Interval does not contain ore mineralization, displaying only accessory sphalerite (<1%) within mm-scale quartz and pyrite veins.

<<Min: 283.15 - 303.5: 5% Pyrite / 0.1% Sphalerite>> Semi-massive pyrite near beginning of interval and at 296 m. Vein-hosted mineralization throughout interval. Sphalerite is present in trace amounts within mm-scale quartz+pyrite veins and cm-scale low angle pyrite veins.

<<Alt: 283.15 - 300: Moderate Silicification>>

<<Struc: 286.52 - 286.52: Bedding>> Undulating bedding, approximate alpha and beta measurement on line of best fit.

<<Struc: 292.14 - 292.14: Stylolite>> Alpha angle is approximate due to irregular structure. Possibly parallel to or at a low angle to bedding.

|        |        |      |         |      |      |        |       |     |
|--------|--------|------|---------|------|------|--------|-------|-----|
| 283.15 | 284.00 | 0.85 | 3202608 | 0.17 | 0.04 | 0.03   | 65.7  | 3.2 |
| 284.00 | 285.03 | 1.03 | 3202609 | 0.12 | 0.03 | 0.0142 | 103.2 | 2.6 |
| 285.03 | 286.00 | 0.97 | 3202610 | 0.14 | 0.03 | 0.02   | 108.7 | 2.8 |

Hole: NB20-001

| From (m) | To (m) | Rock Type & Description | From (m) | To (m) | Length | Sample # | ZnEquiv<br>pct | Pb Best<br>pct | Zn Best<br>pct | Cu Best<br>ppm | Ag Best<br>ppm |
|----------|--------|-------------------------|----------|--------|--------|----------|----------------|----------------|----------------|----------------|----------------|
|          |        |                         | 286.00   | 287.00 | 1.00   | 3202611  | 0.13           | 0.02           | 0.04           | 61.1           | 2.4            |
|          |        |                         | 287.00   | 288.01 | 1.01   | 3202612  | 0.16           | 0.02           | 0.05           | 91.3           | 3.1            |
|          |        |                         | 288.01   | 289.00 | 0.99   | 3202613  | 0.11           | 0.01           | 0.03           | 71.9           | 2.3            |
|          |        |                         | 289.00   | 290.00 | 1.00   | 3202614  | 0.07           | 0.01           | 0.0041         | 48             | 1.7            |
|          |        |                         | 290.00   | 291.00 | 1.00   | 3202615  | 0.09           | 0.02           | 0.03           | 40.4           | 1.4            |
|          |        |                         | 291.00   | 292.00 | 1.00   | 3202616  | 0.2            | 0.04           | 0.04           | 86.2           | 3.9            |
|          |        |                         | 292.00   | 293.00 | 1.00   | 3202617  | 0.21           | 0.03           | 0.0068         | 64.2           | 5.5            |
|          |        |                         | 293.00   | 294.00 | 1.00   | 3202618  | 0.38           | 0.07           | 0.06           | 92.9           | 8              |
|          |        |                         | 294.00   | 295.00 | 1.00   | 3202619  | 0.19           | 0.03           | 0.006          | 52.7           | 4.9            |
|          |        |                         | 295.00   | 296.00 | 1.00   | 3202621  | 0.18           | 0.05           | 0.0079         | 57.4           | 4.1            |
|          |        |                         | 296.00   | 297.00 | 1.00   | 3202623  | 0.16           | 0.03           | 0.0071         | 60.6           | 4.1            |
|          |        |                         | 297.00   | 298.00 | 1.00   | 3202624  | 0.17           | 0.04           | 0.0156         | 87.4           | 3.6            |
|          |        |                         | 298.00   | 299.00 | 1.00   | 3202625  | 0.46           | 0.05           | 0.06           | 111.1          | 11.2           |
|          |        |                         | 299.00   | 300.00 | 1.00   | 3202626  | 0.19           | 0.04           | 0.01           | 79.6           | 4.5            |
|          |        |                         | 300.00   | 301.00 | 1.00   | 3202627  | 1.12           | 0.04           | 0.92           | 86.9           | 5.9            |
|          |        |                         | 301.00   | 302.00 | 1.00   | 3202628  | 0.15           | 0.03           | 0.0123         | 63.6           | 3.4            |
|          |        |                         | 302.00   | 303.05 | 1.05   | 3202629  | 0.11           | 0.03           | 0.0041         | 49.1           | 2.4            |
|          |        |                         | 303.05   | 303.50 | 0.45   | 3202630  | 0.15           | 0.04           | 0.0096         | 81.4           | 3.2            |

End of Hole @ 303.5