

| HOLE-ID | FROM   | TO     | ROCKTYP  | LONGDESC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|--------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MM13-31 |        | 0      | 5.59 O/B | Overburden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MM13-31 | 5.59   | 20.2   | FV       | Felsic Volcanic - green-grey, fine grained, massive, fractured, weak sericitization, feldspar phyric though not uniformly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|         |        |        |          | Mafic Volcanic - green to black, fine grained, feldspar phyric. Reddish colouration for first 13 meters of section owing to patchy hematization. Fractured imparting stockwork-like texture. Unit comprised of massive and hyaloclastic flows. Weakly sericitized. Trace to nil sulphide. Fractures filled with quartz-carbonate. Some gougy sections.                                                                                                                                                                                                                                                                                                                                                                    |
| MM13-31 | 20.2   | 68.9   | MV       | Felsic Volcanic - grey to green, fine grained, mineralized fragmental. Moderately to strongly sericitized, and silicified with incipient chloritization observed. 7-10% disseminated pyrite through unit. Occasional stringers of sulphide also present. Some intervening sections of silty turbidite/epiclastics with bedding; indicative of transported unit or quiescent periods between events.                                                                                                                                                                                                                                                                                                                       |
| MM13-31 | 68.9   | 105.06 | FVX      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|         |        |        |          | Felsic Volcanic - grey to green felsic flows, possible fragmental unit; Stockwork fracture pattern throughout imparting pseudofragmental texture. "Fragments" appear to be larger toward lower contact, possibly indicative of unit as debris flow. Strong sericite alteration over silicification. 1-5% disseminated pyrite. Variably broken core, sections showing 10-20cm array transitioning to shear approaching lower contact, with attendant brittle faulting at lower contact.                                                                                                                                                                                                                                    |
| MM13-31 | 105.06 | 139.07 | FV       | Mafic Volcanic - dark green to black, amygdaloidal, mafic pillows and associated hyaloclastite. Anastomosing-wispy carb-barite + quartz stringers and blotches. Amygdules increase in prevalence downhole. Alteration variable through sequence; chloritic alteration near uphole contact transitions to less altered, weak to moderately sericitized basalt with silicified patches.                                                                                                                                                                                                                                                                                                                                     |
| MM13-31 | 139.07 | 185.5  | MV       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|         |        |        |          | Felsic Volcanic - massive felsic flow, possible intrusive. Light green-grey, fine grained, silicious, with moderate sericitization. Shearing at upper contact and lower contact with attendant brecciation. Disseminated pyrite observed and occasionally pyrite-sphalerite and galena bearing stringers.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MM13-31 | 185.5  | 203.7  | FV       | Mafic Volcanic - black to dark grey green, fine grained mafic pillow breccia and hyaloclastites with abundant amygdules, calcite filled, possible barite. Zone is conspicuously mineralized throughout with stringer sulphides, commonly as pyrite however, galena, sphalerite and chalcopyrite observed locally; inclusively comprises a stockwork zone. Alteration is variable from strong chloritic alteration to weak moderate, to local patches of silica-epidote alteration. Pyrite is often coarse and indicative of late metamorphic recrystallization and/or overprinting. Intercalated dikes do occur with more frequency approaching lower contact. Mineralized stringers occur across lithologies up to ~301m |
| MM13-31 | 203.7  | 302.9  | MV       | Felsic Volcanic - moderately altered felsic flows possible intrusive. Massive, grey-green, sericite and silicification pervasive. Occasional sulphide stringers and minor disseminations consisting of pyrite.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MM13-31 | 302.9  | 337    | FV       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |