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Depth & Lithology	Description	Alteration	Mineralization
0 - 57'	Overburden.		
57 - 84	Felsic tuff dacitic. Light grey green. Porphyritic appearance - qtz. and feldspar crystals. Weak foliation at $\approx 85^\circ$ to core down to $\approx 70'$ @ 66 - 67' shear zone 74 - 77' more mafic section.	Moderate to strong quartz sericite alteration.	3 - 5% Py disseminated.
84 - 656	Mafic to intermediate volcanics, tuffaceous commonly. Light grey green to green. Magnetic. Some interbands of above unit over upper 15' with faint layering at $\approx 80^\circ$ to the core. Grainy look - weak foliation or layering @ $75 - 80^\circ$ to core. 140 - 141.5 small mafic dyke or flow, chilled contacts $70 - 80^\circ$ to core. More massive "flow"? 148 - $\approx 185'$ 245' - 247' quartz - feldspar porphyritic. Occasional more felsic zones. 286 - 287 quartz - carbonate veining. 290 - 295 epidote and pink felsic amygdules? 340 - 355 fairly well foliated (layered) at $75 - 80^\circ$ to the core also @ 383 - 393' @470' 6" mafic dyke. 472 - 474 about 50% calcite veining $\approx 480 - 570$ blotchy alteration, quartz - epidote, may be fragmental. 511 - 570 Amygdoidal, epidote and quartz carbonate infill. 551 - 553.5 mafic dyke (sill) 576 - 656' foliated (banded) @ $70 - 80^\circ$ to the core. Thin interbands 3 - 6" of more massive flows or dykes. Generally porphyritic or fragmental. 627 - 630' foliation folded parallel to core at center (628.5').	Weak to moderate chloritic and sericitic alt'n. Epidote blebs and stringers, somewhat silicified locally ie. 149 - 159, 193 - 196'. Carbonate wisps and stringers common below 360'. Core size changes from AQ to AX ie. AX 657 to 684. AQ 684 - 785 AX 785 - 841 AQ 841 - 917 917 $\rightarrow$ AX	Magnetite $\approx 1\%$ disseminated and as stringers. Py. locally 2 - 3%. @ 195' 6-8" silicification and quartz stockwork $\approx 15\%$ Sp, Gn, Cpy and Py. Also small vein @ 184' Hematite fracture coating locally.
656 - 665	Dacite tuff? light green. Quartz crystals/grains throughout, fairly massive.		
665 - 671.5	Mafic tuff as above.		
671.5 - 693	Silicified felsic volcanic (could be altered mafic)	Strong silicification and local sericite alteration.	3-4% very finely dissem. Py. Appears to be mainly in a later stage of

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693 - 807'	Buff to grey green. Often brecciated by alteration. 682 - 683 - more mafic section. Mafic volcanic. Dark grey green to pale greenish. Commonly foliated - 70° to core @ 700' 45° to core @ 720' 60 - 70° to core below 725' 745 - 764 - massive mafic, minor short weakly silicified zones. Calcite wisps and veinlets common where silicification is weaker.	Patchy strong silicification containing blebs of chlorite. Chloritic alteration some weak silicification	silicification. Py 1-2% dissemin. down to 735' then 1-2% disseminated and also bands veins of 50% + ie. 737 - 737.5. 2-3 bands 6" massive to semimassive Py. 764.5 - 765.0 781 - 783 15% Py in stringers. Minor Py locally 1 - 2%
807 - 929'	Mafic to intermediate fragmental, grains of quartz feldspar and lithic fragments in a chloritic groundmass. Some rounding of grains. Resedimented tuff? occasional felsic volcanic clast. Some short sections of mafic tuff or flow similar to top of hole.		
929 - 957	Felsic volcanic-Dacite. Tuffaceous pale green to pinkish quartz - carbonate vein breccia locally angular grains of quartz, feldspar and lithic fragments in a fine ground mass.	Weak silicification locally.	Minor Py., 2" band semimassive Py and black chl. @ 929.5'.
957 - 1054	Mafic volcanics dark green chloritic tuffs and some possible flows. Commonly tuffaceous - with obvious grains and fragments. Locally amygdoidal. White and pale pink carbonate infill, clacite wisps and fracture infill common. 978 - 980 large elongated (flattened) Amygdules - calcite infill	Chloritic alt'n blotchy epidote alteration. 994 - 1001 - strongly silicified or more felsic bands.	Rare Py.
1054 - 1101	Felsic to intermediate volcanic locally tuffaceous. May be all or part alteration of above unit. Grey green to buff massive. Upper 5' darker green. Generally an aphenitic groundmass with tiny quartz, feldspar and locally chlorite grains. 1059 - 1061 - pink rhyolitic. 1068 - 1070 - gritty - tuff.	Black chloritie Alt'n on fractures. Patchy silicification.	< 1% disseminated Py.
1101 - 1413.5	Mafic volcanic- Tuffs and immature sediments (mainly mafic source) similar to above mafic Tuffs. Dark green chloritic. 1107 - 1108 - fragmental (sed?) 1112 - 1120 - fine grained with blebs or clasts of epidote and minor quartz. 1120 - 1127 - fragmental (sed.?) 1138 - ~ 1143 - fine grained mafic dyke 1143 - 1155 - coarse fragmental some felsic vol. clasts. 1155 - 1160 - some fine siltstone beds bedding @ ~ 50° to core 1160 - 1174 - mainly fine mafic tuffs. 1174 - 1290 - fairly uniform mafic fragmentals rare felsic or silicic clast. 1290 - 1309 - Amygdoidal - still appears fragmental locally. 1309 - 1413.5 - bleached mafic tuffs. 1406 - 1408 and 1412 - 1413.5 - Pale green chilled mafic dyke	Patchy silicification down to 1112' giving similar rock to above unit. Blotchy and irregular pink and white carbonate alteration epidote altn more common. 1309 - flecks and wisps of black chl.	Py ~ 1% as disseminated blebs and veinlets. 1323 - 1324 ~ 30% Py some associated black chl. 1329.5 - 1331 20% Py and sphalerite.
			1335 - 1337 ~ 8-10% Py and Sp

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1413.5 - 1421.5	Rhyolite to felsite intrusive Pink fine grained groundmass with somewhat rounded? quartz - feldspar and chlorite crystals - irregular lower contact, possible flow banding @ 1419.		1356 - 1358 to 5% Py as disseminated blebs. 1368 - 1369 ≈ 5% Py- also minor Sp and Cpy with qtz- calcite stockwork veins.
1421.5 - 1426.5	Dacite Tuff, Pale, green with white quartz fragments.		
1426.5 - 1459.0	Felsic volcanic, very odd, unusual looking rock. Pink fine grained groundmass locally with rounded quartz, feldspar and lithic “clasts?” look more like spherulites. Banding locally. 1427 - 1430 - from 10° - 35° to the core, locally wavy and somewhat irregular “flow banding?” elsewhere more irregular banding more like flow banding.	Green sericitic alteration locally strong. Some black chl. on fractures.	
OS banded intrusive of legend?			
1459.0 - 1465	Mafic dyke black fine grained. Magnetic.		
1465 - 1487	Felsic volcanic pink to greenish aphenitic and rhyolitic groundmass, large quartz and smaller altered feldspar phenos, prominent quartz. Sheared @ 1468. Thin gouge @ 1478.		
1487 - 1490	Pink felsic dyke - calcite fracture infill.	Some epidote and sericite alt'n also black chlorite wisps and fracture coatings.	
1490 - 1588	Mafic volcanic, tuffaceous? Dark green mottled with abundant pink and white calcite blebs, veins and amygdules (amygdules may be in large fragments). Some core missing. 1523 - 1532 felsic band (sill). Below 1532 - some fragmental - sedimentary (zones) beds. Slickensides on some fractures (ie 1540). 1553 - 1556 - some felsic vol. clasts.	Calcite and chlorite alteration. Below 1532 some hematitized sections.	
1588 - 1655	Rhyolite, pink to pinkish brown, indistinct upper contact - sheared. Upper 10-15' is darker, harder and has feldspar phenos, becomes lighter and softer below - altered. Faint feldspar phenos, occasional chlorite flecks towards base. Chilled mafic dykes @ 1640 - 1641 and 1649 - 1650.5.		
1655 - 1656	Chilled mafic dyke - irregular contacts.		
1656 - 1779	Felsic Tuff - Pale green to pinkish colour, mainly crystal tuff. Some coarser fragmental (sed. breccia) rare felsic vol. clasts. Calcite fracture infill and stringers throughout. Grades downward into fine grained hetrolithic breccia - sediment. 1725 - 1727 - foliated - sheared 25 - 30° to the core.	Sericitic alteration especially along fractures.	Fragments of Py and some Sp and barite towards base mainly.

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1779 - 1785	Mainly fine grained pyritic siltstone, bedding @ $\approx 45^\circ$ to the core. Lower 6" coarser fragmental, resedimented tuff;		
1785 - 1801	Breccia - sedimentary; mainly pyritic felsic vol. (rhyolite) and pyritic siltstone clasts. Some barite pyrite and sphalerite fragments. Sulphide fragments are small large barite - sulphide fragment @ 1800'. Central part of unit appears to be a bed or boulder of pyritic siltstone $\approx 4 - 5'$.		Some ore and barite fragments.
1801 - 1814	Mafic Dyke, diabase.		
1814 - 1820	Ore zone. Fragmental (debris flow) - some pink and grey rhyolitic fragments. Mainly barite and sulphide crystals and/or chlasts.	Effect of dykes on either side of ore??	
1820 - 1826	Mafic dyke diabase some calcite veining.		
1826 - 1865	Tuffaceous wacke pyritic - Mainly pale grey green siltstone. With large pink rhyolite clasts down to 1844. Coarser grained with some barite grains over lower 2 - 3', bedding @ about 45° to the core at lower end cut by fine quartz healed fractures.		$\approx 2\%$ very fine Py.
1865 - 1874	Rhyolite (conglomerate) numerous fragments - most large clasts are pink to grey rhyolite. (up to 8") Smaller grains include siltstone and minor barite, Pb-Zn, Py. etc. 1868 - 1869 Diabase Dyke.	Some sericitic alteration of ground mass.	Some grains at Py Pb-Zn and Ba. 1-2% overall.
1874 - 1876	Mainly Pyrite and Barite - some rhyolite clasts. Minor Pb-Zn (lower 9" bed of Ba, Py).		Barium, Py 80%.
1876 - 1882	Rhyolite conglomerate - as for 1865 - 1874. Mainly rhyolite cobbles, rounded to subangular, grey to pinkish very little matrix material - some grains of barite and minor ZnS in matrix.	Minor sericitic alteration of matrix.	Ba and ZnS in matrix, some remobilized ZnS in qtz-stringers.
1882 - 1915	Light grey green siltstone. Similar to siltstone (1826-1865) Thinly bedded @ about 45° to the core. Some pyritic beds upper 4'. Lower part - Py cubes on fractures and qtz. filled fractures.		
1915 - 1990	Diabase dyke, rubbly core. (core missing 1940 - 2004)		
1990 - 2014	White silicified rock - brecciated by alteration or may have been fragmental prior to silicification.	Silicified, minor sericite, black chl. on fractures.	1-2% Py with chl. on fractures.
2014 - 2022	Diabase - grey green altered. Black chl. amygdules and on fractures.		
E.O.H.			