

DRILL HOLE LOG

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From	To	Description	Sample	From	To	Length	Pb	Zn	Ag	Sr	Au	As
		- ash supported dk grn. andesite lapilli (to 0.5 cm, to 20%); minor felsic (?) clasts; minor calcite vns towards bottom										
306.37		Andesite Ash Tuff/Carbonate Mudstone - mottled grey and green - possible epiclastic Ash/mudstone; calcareous; minor epiclastic frags and lapilli; minor calcite vns to 0.5 cm.										
313.95		Andesite Lapilli Ash Tuff - green, mottled white - minor ash; fine lapilli supported coarse lapilli (to 2 cm); lapilli almost exclusively andesitic; minor Py frags; up to 15% calcite open matrix filling. calcareous; minor jasperoid in matrix.										
315.18		Andesite Lapilli Ash Tuff/Jasperoid Matrix - green with red brown matrix - as above; but with up to 20% red jasperoid matrix	31161	31395	315.18	1.23	6	65	.2	950	5	<5
315.63		Carbonate Mudstone/Ash Tuff - grey, beige grey - massive limy mudstone with minor ash component?	31162	315.18	315.63	0.45	52	27	.4	958	15	15
316.98		Andesite Lapilli Ash Tuff - as above (303.12 to 305.28)										
316.98	318.78	Carbonate Mudstone/Ash Tuff - pale grey, green grey - strong to weakly calcareous; generally massive; epiclastic mudstone matrix supported fine ash	31163	318.16	318.78	0.62	36	40	.2	754	10	10
321.30		Carbonate Mudstone/Sulphate/Sulphide Laminate Package - Sulphate/Sulphide Host Stratigraphy; 318.78 - 319.36: grey brown poorly banded, minor sulphate carbonate mudstone	31164	318.78	319.36	0.58	28	34	.4	954	5	40
			31165	319.36	320.44	1.08	10	88	.2	959	5	30
			31166	320.44	321.30	0.86	16	42	.4	902	10	25

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From	To	Description	Sample	From	To	Length	Pb	Zn	Ag	Sr	Au	As
		319.36 - 320.44: grey, massive, liny mudstone with minor argillaceous chips 320.44 - 321.30: well to disrupted laminae; grey brown-grey; pale green; laminated limy mudstone/sulphate/minor sulphide (Py, Zn (?))										
	321.73	Red Jasper Bed - bright red, very hard (?) jasper horizon exhibiting some disrupted laminae; upper contact gradational with andesite volc., bottom contact sharp.	31167	321.30	321.73	0.43	12	31	.2	886	5	25
	322.84	Interlaminated Andesite Tuff/Carbonate/Sulphate - green pale grey, minor red - disrupted interlaminated andesite and carbonate/sulphate with minor jasper; volc. great at top, carb's greater at base; probably Zn at base.	31168 31169	321.73 322.30	322.30 322.84	0.57 0.54	12 20	112 79	.2 .6	732 648	5 15	10 25
	323.34	Laminated Carbonate Mudstone/Sulphate/Sulphide - banded pale-grey; grey, grey brown well laminated lams. (85° to c.a.), minor andesite volc; Sphalerite lams. (10% ?)	31170	322.84	323.34	0.50	36	279	2.0	729	5	35
323.34	323.98	Andesite Ash Tuff - green - massive, minor Py laminae (90° to c.a.)	31171	323.34	323.98	0.64	14	199	.4	916	10	10
	324.40	Calcite Breccia Vein/Fault - white, grey - irregular calcite vein filling, (50%) carbonate mudstone breccia frags.	31172	323.98	324.40	0.42	18	84	.4	490	5	15
	324.60	Semi-massive Sulphide/Carbonate Mudstone - dk grey, brass - 30 - 40% Py, Sphalerite (?) irregular stringers in mudstone within Fault	31173	324.40	324.60	0.20	80	0.21%	1.4	933	35	565

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From	To	Description	Sample	From	To	Length	Pb	Zn	Ag	Sr	Au	As
335.94		Fault - dk grey - graphitic gouge and rubble - approx 10% caelite veins	31188	335.59	335.94	0.35	226	0.10%	0.4	921	10	3385
341.68		Carb./Sulphate/Sulphide/Laminate - Diamictite Package (as above)	31189	335.94	337.04	1.10	90	0.52%	0.8	832	5	110
	355.94 - 336.24	thickly laminated limy mudstone	31190	337.04	337.53	0.49	136	0.43%	.4	929	5	840
	336.24 - 336.62	well laminated (80 - 90° to c.a.) limy mud & sulphate (barite)	31191	337.53	338.09	0.56	226	0.90%	1.8	840	<5	290
	336.62 - 336.74	calcareous mottled green - grey volc.	31192	338.09	338.63	0.54	118	0.18%	.4	919	5	585
	336.74 - 337.04	well laminated limy mud-sulphate sulphide (Py lam)	31193	338.63	339.36	0.73	286	0.72%	.8	858	5	370
	337.04 - 337.53	diamictite, wkly calcareous generally uniform coarse sand, with minor clast to 1.0 cm; Py clasts.; matrix supported (80%)	31194	339.36	340.03	0.67	256	0.62%	1.0	860	10	145
	337.53 - 338.09	as above (336.74 - 337.04)	31195	340.03	340.90	0.87	468	1.32%	2.2	843	5	220
	338.09 - 338.63	as above (337.04 - 337.53); generally finer matrix and clasts	31196	340.90	341.68	0.78	810	1.77%	2.2	909	5	770
	338.63 - 340.90	well laminated limy mud-sulphate sulphide (Py); lam. 80° to c.a.										
	340.90 - 341.68	dk grey laminte, as above (338.63 - 340.90)										
342.91		Carbonate Mudstone/Chert - dk grey - finely laminated Pyritic cherty, limy mudstone	31197	341.68	342.91	1.23	780	0.71%	1.0	917	10	715
			31198	342.91	343.33	0.42	0.27%	2.17%	20.6	915	5	310
			31199	343.33	344.20	0.87	0.91%	0.70%	36.0 g/t	582	10	1385
347.56		Epiclastic Sandstone/Diamictite - grey - massive, weakly calcareous; clast size range from <0.5 mm to 3 mm.	31200	344.20	345.63	1.43	0.14%	0.67%	4.2	168	10	1305
			31235	345.63	346.33	0.70	1440	1283	6.6	213	<5	365
			31236	346.33	347.52	1.19	282	159	1.8	244	15	340
			31201	347.52	348.36	0.80	638	254	4.8	152	5	240
349.73		Epiclastic Siltstone - pale grey - fine grained massive, partially brecciated non calcareous,	31237	348.36	349.67	1.31	108	71	1.6	649	10	325
			31238	349.67	350.83	1.16	44	89	0.4	625	20	40

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From	To	Description	Sample	From	To	Length	Pb	Zn	Ag	Sr	Au	As
		local Py (347.56 - 348.36) hosts same coarse clasts at bottom										
352.13		andesite Lapilli - Ash Tuff - pale green - ash supported andesitic lapilli to 2.0 cm.; ash 70%	31239	350.83	352.20	1.37	22	145	<0.2	869	<5	15
353.27		Carbonate Mudstone - grey - massive, moderately calcareous	31240 31241	352.20 353.20	353.20 354.47	1.00 1.27	214 12	263 91	1.0 0.4	342 1599	5 40	270 100
355.40		Andesite Lapilli - Ash Tuff - green, speckled - ash supported 50%; lapilli uniformly 0.5 to 1.0 cm; lapilli andesitic & more felsic	31242	354.47	355.40	0.93	52	129	0.6	534	10	535
355.40		End of Hole										

Note: hole abandoned due to 5 feet or core lost down hole, and general "tight" nature.