

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by: Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

<u>Depth</u> (from)	<u>Depth</u> (to)	<u>Description</u>
		<u>Mafic Volcanic</u>
	6.2	Dark to medium green andesite (mafic volcanic) with common white veins of quartz-carbonate throughout as well as minor hornfelsing veining alteration. A fabric appears evident from vein trends of ~40-45 deg. t.c.a, and a moderate mineral alignment of lithology. Minor chlorite alteration occurs on fracture planes. This section of core is moderately rubbly and broken, proximal to surface, unit has diffuse lower contact with a siliceous sediment.
		<u>Siliceous Sediment (grading to chert)</u>
6.2	13.21	White to light grey siliceous sediment with well developed foliation, ~45 deg. t.c.a, unit appears predominantly composed of quartz with lesser biotite laminations occurring locally. Midway through lithology becomes increasingly buff in coloration and monomineralic, composed entirely of silica, chert. Overall unit contains minor light green epidote alteration especially along fracture planes. Milky white quartz carbonate veins occur locally. Diffuse lower contact of partially silicified mafic volcanic.
13.21	20.71	<u>Mafic Volcanic (Andesite) / Tuffs (in part)</u> Medium to dark green mafics (common grey intervals) which appear to be grading to tuffaceous rocks in part. Unit is the typical mafic (Andesite) / tuff as seen in the previous two holes. Quartz carbonate veining is abundant, minor epidote alteration often haloes the veining. Weak hornfelsing is present but not nearly as common as generally observed. Overall unit is basically identical to the mafic described above except for introduction of a tuffaceous component revealed by slight color change and trace identifiable fragments.
		<u>Silicified Tuff</u>
20.71	25.37	Medium green to locally patch white unit of mafic tuff that appears to have been locally flooded by abundant contorted quartz vein, especially prevalent over top two meters of interval. Quartz veins are generally contorted, irregular patches over this interval but gradually conform to a well developed foliation. Fragments are not easily identifiable but appear to be present as ghost like laminations. Unit is interpreted as a permeable tuffaceous horizon

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by: Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

Depth

Description

cont...

that has been moderately silicified. Final 40 cm of unit grades into a porphyritic mafic volcanic. Lower contact is 35-40 deg. t.c.a.

Intermediate Tuffs & Volcanic

- 25.35 42.1 Predominantly a dark grey to green section of hard, moderately siliceous volcanic and tuffs that contains common late veining quartz carbonate alteration as well as minor-common epidote and local hornfelsing (+garnet) alteration. Unit is very common in initial appearance to the interbedded mafic tuffs and volcanic but here rocks seems harder and less chloritized. A weak 40 deg. fabric occurs locally, but unit is predominantly massive with only indications of fabric revealed by laminated veining mentioned above. Lower contact is diffuse and subjective, primarily base on presence of porphyritic section

Mafic (andesite) Volcanic / tuffs

- 42.1 101.82 Typical medium to dark green mafic with variable sections of more tuffaceous horizons locally silicified. Abundant quartz carbonate veining is prevalent, as is weak epidote alteration. Trace hornfelsing veining alteration occurs locally. Variable intervals of porphyritic mafics are common, quite typical of these mafic volcanic. A weak to moderate fabric is evident in the more tuffaceous sections, 35-40 deg. t.c.a. Minor intervals of more felsic type volcanic or possibly silicified mafic tuffs? @75.29 m minor maroon laminations and patches suggest possible sediment, likely interpillow sediment, characteristic of pillow lava sequences. Unit becomes progressively epidotized and foliated towards lower contact fault contact, large 30-40 cm erratic patches of epidote occur locally down hole. Lower contact is indeterminable due to broken rubbly section of core.

Fault Zone

- 101.82 102.75 Broken of section of pervasively epidotized mafics and re-cemented fault gouge, interpreted as sizable fault zone, section appears fragmental in part, epidotized fragments, likely a fault breccia.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by: Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

<u>Depth</u> (from) (to)	<u>Description</u>
102.75 105.88	<u>Mylonite</u> Predominantly dark green to light green and white in part, extremely foliated section of altered lineated tuffs. This lithology is likely identical in composition and character to the interbedded tuffs and volcanic described above except is sandwiched between and upper and lower fault zone. Fabric is characterized by inter-laminations of mafics, epidote and quartz, fabric is consistent and intense @~40 deg. t.c.a. Orange hematized laminations of quartz occur locally, hematite is also common along fracture planes. Contact conform to fabric.
105.88 107.18	<u>Mafic Volcanic</u> Dark green to slightly maroon colored mafic volcanic, this unit is more massive than that above although being quite proximal to structural zones. Unit is substantially more competent than the surrounding tufaceous horizons, and is therefore less foliated. Epidote and quartz veins remain present as do minor hematite staining, in fact maroon coloration of lithology is interpreted as hematite presence. Lower contact is broken section of core that grade into a zone of brecciation, fault breccia.
107.18 108.48	<u>Fault Breccia</u> Variably colored, mottled looking section of fragmental rock interpreted as a tectonic breccia. Highly broken section of rubbly core with no identifiable fabric, obvious fragmental texture revealed by contrasting coloration. A medium green mafic matrix with abundant dark to light green, chloritized and epidotized fragments, respectively. As well as abundant maroon to red hematized fragments and staining. Red-green slicken-sides are identifiable on some fracture planes, but a structural measurement cannot be obtained to broken nature of core. Lower contact occurs @40 deg. t.c.a with a more massive green mafic.
108.48 112.66	<u>Mafic Volcanic</u> Medium green to slightly maroon mafic, same as above @ 105.88 except for a increase in epidote alteration as well as a strong (mylonitic) fabric, ~45 deg. t.c.a.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #:	4006	Collar Easting:	9+75 E	Logged by:	Victor French /	<u>Down Hole Surveys (Tropari):</u>
Property:	Gullbridge	Collar Northing:	95+25 N		Chad Wells	111 /057 @ 290.47 m
		Hole Azimuth:	110 deg.	Date:		111/056 @ 439.6 m
		Hole Inclination:	60 deg.	Start	Oct.20/00	
		Total Depth:	529.44	Finish	Nov. 9/00	

<u>Depth</u>	<u>Description</u>
(from) (to)	<u>Mafic Volcanic / Tuffs</u>
112.66 116.8	Same as that @42.1 m. Medium - dark green mafic volcanic with common quartz carbonate veining and minor epidote alteration. Weak fabric revealed by quartz-carbonate laminations trending 35-40 deg. t.c.a, predominantly more massive flows rather than fragmental tuffs.
	<u>Fault Zone</u>
116.8 117.5	Totally broken section of core, presumed to be a broken up fault zone. Intense chlorite alteration throughout as well as broken up quartz veins. Questionable contacts, 65-70 deg. t.c.a?
	<u>Andesite (intermediate) Volcanic</u>
117.5 122.76	Very dark green to black unit, moderately hard and massive with only a suggestion of a fabric revealed by quartz and epidote veins (~35 deg. t.c.a). Wispy veinlets of light green epidote is common as is white quartz veins often haloed by red-orange hematite. Dark chlorite alteration is also common especially along 35-50 deg. fracture planes. No prospective mineralization or alteration. Diffuse lower contact apparently @ 40 deg. t.c.a, primarily based on color change.
	<u>Mafic Volcanic</u>
112.76 126.97	As described above @ 112.66 m. Fault gouge @126.45 m.
	<u>Felsic Volcanic</u>
126.97 128.9	Buff - cream felsic volcanic with abundant irregular hairline fractures throughout. Minor epidote and clay alteration (kaolinite), trace red hematite staining. Unit is highly fractured with most fractures 40 deg. t.c.a. Upper contact is 40 deg. t.c.a, whereas lower contact is highly broken section of rubbly core & fault gouge.
	<u>Fault Zone</u>
128.9 129.3	Predominantly light green section of pervasively epidotized fault gouge that has been partially re-cemented.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by: Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

<u>Depth</u> (from)	(to)	<u>Description</u>
129.3	133.26	<u>Fault Breccia</u> Interpreted to be quite similar to tectonic breccia intersected earlier in hole except this interval does not have the variable color change and obvious fragmental texture. Here we see a medium to progressively darker green lithology that is pervasively epidotized. Erratic mottled texture of dark green chloritized matrix with angular light green epidotized wall rock fragments throughout. Towards lower contact unit becomes darker and more massive.
133.26	133.45	<u>Fault Zone</u> Highly broken, near gravelly section of core. No determinable structural measurements.
133.45	136.75	<u>Andesite</u> Dark green to black volcanic as described above @117.5 m, except for increase in erratic hairline fractures filled with light green epidote. Fracture are generally 35-40 deg. t.c.a.
136.75	137.9	<u>Felsic Volcanic</u> Buff - cream felsic volcanic as described above. Upper contact is 35 deg. t.c.a, and lower fault contact is ~35-40 deg. t.c.a.
137.9	138.07	<u>Fault</u> Rubbly gravelly section of intensely chloritized fault gouge, fault appear to trend 35 deg. t.c.a. Fault appears to be hosted in dark green to black interval of andesite as described above.
138.07	138.72	<u>Andesite</u> Dark green to black volcanic as described above. Both upper and lower contacts are broken sections of core.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by: Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

Depth

(from) (to)

Description

Felsic Volcanic

138.72 139.32 Buff-cream felsic volcanic as described above.

Andesitic Fault Zone

139.32 142.34 As described above. Broken interval of rubbly core with gravelly sections and recommended fault gouge.
No determinable measurements on faults.

Felsic Volcanic

142.34 142.88 Buff - cream highly fractured, rubbly interval of felsic volcanic with pervasive epidote alteration and erratic hairline fracturing, identical to the felsic described above.

Andesite

142.88 144.85 Dark green to black interval of volcanic rock with abundant hairline fracturing filled with epidote and quartz, as described above. Lower contact is ~45 deg. t.c.a.

Felsic Volcanic

144.85 145.61 Buff to cream felsic volcanic. Broken contacts.

Andesite

145.61 148.23 Dark green to black andesite with common recommended intervals of fault gouge.
Lower contact is ~ 50 deg. t.c.a with underlying intrusive.

Granodiorite

148.23 152.55 Medium green to pink with salt and pepper textural appearance, easily identifiable mineralogy i.e..
k-feldspar, quartz, plagioclase, biotite, and possibly hornblende. Very massive unit.
Minor epidote alteration occurs as veinlets and along broken
fracture planes. Upper contact is ~50 deg. t.c.a whereas lower contact is much shallower
at ~ 35 deg. t.c.a.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by: Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

Depth

(from) (to)

Description

Intermediate - Felsic Tuffs

152.55 172.12 Predominantly dark grey to medium green lithology interpreted as an interbedded volcanic / tufaceous unit of variable felsic to mafic composition. Overall section has moderate to well developed fabric, ~40 deg. t.c.a, where fabric is weak unit is likely more flow-like than tufaceous. Wispy dark brown laminations are common over local intervals especially where rocks become more siliceous. Quartz veining and laminations are common as is epidote, lamination conform to 40 deg. fabric. Minor hornfelsing alteration occurs @ 160.2 m. Dark green to black (chloritic) fragments can be seen locally as dark ghost-like figures. Overall unit is quite similar to the interbedded pyroclastics and flows seen elsewhere.

Intermediate - Felsic Tuffs

172.12 186.16 Same as above except patches and laminations of hornfelsing alteration is becoming common. As well lithology may be slightly more mafic in composition. Minor laminated pyrite occurs locally. Shallow lower contact ~20 deg. t.c.a.

Mafic Volcanic

186.16 187.2 Massive green mafic volcanic. No evident fabric or mineralization. Lower contact @ 55 deg. t.c.a.

Breccia

187.2 187.6 Quartz flooded zone with large angular mafic fragments, no mineralization or prospective alteration.

Porphyritic Basalt (intrusive)

187.6 207.12 Dark to medium green unit of a porphyritic mafic, originally presumed a massive basaltic/andesitic flow, but lithological contacts lower in hole suggest a x-cutting relationship of a mafic dike and slightly hornfelsed tufaceous unit. This unit is quite massive and homogeneous with absolutely no alteration. Striking porphyritic texture of anhedral 2-3 mm phenocrysts of white plagioclase lightly dispersed throughout. Plagioclase phenocrysts are not even slightly altered, extremely pristine & fresh. Irregular lower contact possibly ~65-70 deg. t.c.a.

Gallery Resources - Gullbridge Project 2000
Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by: Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

(from) (to)

Mafic Volcanic / Tufts

207.12 208.69 Medium to dark green mafic with abundant white to slightly green (epidote) plagioclase phenocrysts dispersed heavily throughout. Quartz-epidote veins or laminations with minor pink garnets, typical hornfelsing alteration mineralogy, alteration laminations typically trend ~35 deg. t.c.a with some a little steeper @ 45 deg. t.c.a. Typical mafic unit seen regionally.

Porphyritic Mafic Dike

208.69 213.46 Identical to porphyritic intrusive described above. Here contacts are very shallow @ 15 deg. t.c.a and obviously x-cut a 35-40 deg. fabric in the hornfelsed tufts they intrude. The porphyritic unit actually truncates the fabric at it contact, good age relationship. This mafic intrusive episode definitely postdates the regional Hornfelsing alteration of the Dawe's Pond Granite at depth.

Mafic Volcanic / Tufts

213.46 215.49 Practically identical to hornfelsed lithology described immediately above except for a moderate increase in the hornfelsing alteration especially epidote, and a stronger 35-40 deg. fabric revealed by the abundant altering laminations of epidote and quartz. Also, the dense porphyritic texture described above is practically void except for a very local interval. Both upper and lower contact show truncation by the younger intrusive above and below.

Porphyritic Mafic Dike

215.49 240.8 Exactly as above. Lower contact is and undulating surface parallel t.c.a.

Mafic / Andesite Volcanic

240.8

255.76 Predominantly medium to dark green with a near black component, a similar volcanic lithology characterized by weak to moderate hornfelsing alteration consisting of epidote + quartz and lesser garnet. Hornfelsing alteration typically occurs as veins which have been preferentially laminated to a weak fabric, 35-50 deg. t.c.a., hornfelsing only occurs locally over short intervals.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

Depth

(from) (to)
cont...

Description

However, quartz- carbonate veins are rather common, typical hanging wall stratigraphy. Unit appears to be more mafic (less dark) and not as fine grained (not glassy) as seen elsewhere. There is likely a minor tufaceous component but fragments are not easily identifiable, more tufaceous horizons are presumably the more foliated sections. Lower contact is an irregular contact ~ perpendicular t.c.a, with what appears to be a 85 cm dark homogeneous volcanic, originally presumed a chill margin to a thin dike below but more likely the effects of the dike. The common quartz veining and local alteration is absent because it was drove off, remobilized, by the intrusive event.

Porphyritic Mafic Dike

255.76 256.03 As described above, massive dark lithology with common white to slightly pink (here - local) plagioclase phenocrysts evenly dispersed throughout, a 15 cm section (255.87-256.03 m) of this interval is a dark to medium grey and has identifiable 35-40 deg. t.c.a. contact within intrusive. Possibly a silicified component of the intrusive?

Mafic / Andesitic Volcanic

256.03 260.76 As above with a moderate increase in local hornfelsing alteration.

Porphyritic Mafic Dike

260.76 265.03 Identical to porphyritic mafic described above, again both upper and lower contacts are irregular but apparently parallel t.c.a.

Mafic / Andesitic Volcanic

265.03 270.04 As above, minor increase in large patchy hornfelsing.

Dike

270.04 270.61 Very dark brown intrusive, with identifiable fine grained texture and brown mineralogy, likely biotite, a hydrated mafic dike. Both contacts are ~ 35 deg. t.c.a.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #:	4006	Collar Easting:	9+75 E	Logged by Victor French /	<u>Down Hole Surveys (Tropari):</u>
Property:	Gullbridge	Collar Northing:	95+25 N	Chad Wells	111 /057 @ 290.47 m
		Hole Azimuth:	110 deg.	Date:	111/056 @ 439.6 m
		Hole Inclination:	60 deg.	Start	Oct.20/00
		Total Depth:	529.44	Finish	Nov. 9/00

<u>Depth</u> (from)	<u>Description</u> (to)	<u>Mafic / Andesitic Volcanic</u>
270.61	288.46	As above.
		<u>Mineralized Tuffs</u>
288.46	288.61	Thin lamination of a dark grey, moderately silicified tufaceous rock with ~10 % wispy laminations of pyrite and similar sphalerite. Sulphide appears quite base metal rich with sphalerite generally haloing wispy veinlets (lamination) of pyrite as well as independent flamed laminations within host rock. Very prospective mineralization as generally seen in the mineralized zone, here however, the mineralized zone is minute and very localized. Both upper and lower contacts are ~35-40 deg. t.c.a as are the laminations of sulphide, trace quartz and epidote contained within.
		<u>Mafic / Andesitic Volcanic</u>
288.61	300.41	Dark green moderately massive volcanic as described above. Hornfelsing is certainly more prominent down hole. Fracture planes and weak fabric (vein laminations) vary from 35-50 deg. t.c.a. @ 298.31 m, 5 cm section of a dark grey to green vein or lamination (?) with minor 3-5 % sulphide, predominantly pyrite with lesser po. Zone is so small it is difficult to ascertain, but appears similar to the mineralization described above with no apparent base metal affinity. Both contacts are ~45 deg. t.c.a.
		<u>Porphyritic Mafic Dike</u>
300.41	305.33	As above. Irregular upper and lower contact, subparallel t.c.a.
		<u>Mineralized Tuffs</u>
305.33	306.56	Typical mineralized zone of dark grey to green siliceous tufaceous rocks. Visible laminations of dark green to black chlorite, although fragments are not identifiable the moderate foliation and slightly mottled texture infer a fragmental component. This short section of tuffs is well mineralized with ~5-10 % sulphide, predominantly red-brown sphalerite haloing lesser pyrite. Obviously intersected sulphide mineralogy is quite base metal rich. A weak fabric of 35-50 deg. t.c.a, is suggested by the sulphide laminations as well

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

<u>Depth</u> (from) (to) cont...	<u>Description</u>
	as minor epidote veining. Unfortunately the full section of mineralized core is staggered, parallel t.c.a., by the porphyritic mafic dike. Essentially only 1/2 the core is mineralized tuffs whereas the remainder is dike out. This mineralized zone is simple a minor interval that was not diked out. The dike - minz zone contact is irregular (undulating) but, basically parallel t.c.a. @ 306.03 a short 15 cm section of some of perhaps the most base metal rich sulphide to date, but again 30 % of that core is dike material!!
	<u>Mafic Dike</u>
306.56 309.73	Dark green to black massive dike as described numerous times throughout the hole except here it lacks the plagioclase phenocrysts, and thus the porphyritic texture. Possibly a chill margin of sorts. Lower contact is again irregular and basically sub-parallel t.c.a. Essentially throughout the hole it appears this dike is consistently running sub-parallel to hole.
	<u>Dike - Tuffs??</u>
309.73 310.68	A dark green to black zone which variably becomes mint green with pervasive epidote alteration, zone suggests a sort of mixing environment of dark chloritized tuffs with pervasively epidotized, slightly porphyritic mafic dike. The relationship is unclear but locally the zone looks brecciated and mottled. Mixing or flooding of a partially solidified volcanic fragmental by a later intrusive event. Diffuse lower contact grading into a moderately foliated hornfelsed tuffs.
	<u>Metamorphosed Tuffs</u>
310.68 311.95	Medium green to progressively dark green unit of moderately hornfelsed fragmental becoming progressively less metamorphosed and more chloritized and mineralized, @ 311.95.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

<u>Depth</u> (from)	<u>Depth</u> (to)	<u>Description</u>
		<u>Mineralized (mafic?)Tuffs</u>
311.95	313.27	Where sulphide mineralization appears hornfelsing practically disappears. Lithology contains wispy like laminations of chlorite which are likely remnant chloritized fragments (more mafic). Sulphide generally exist as wispy laminations possibly surrounding fragments at a 40 deg. fabric. Sulphide are primarily pyrite with lesser but common halos of po, and possibly fine grained sphalerite (?) Sulphide constitute ~ 10% of the mode from 311.95 m to lower contact. Lower contact is subjective and diffuse based on and increasing grey (silica) coloration and visible introduction of glassy, vitreous, subhedral, 3-8 mm fragments.
		<u>Mineralized (felsic?) Tuffs</u>
313.27	328	Variable section of more felsic tuffaceous rocks interbedded with minor mafic chloritized tuffs as described immediately above. Unit is predominantly dark grey (almost bluish) with common anhedral, glassy felsic fragments like discussed above. More felsic intervals of mineralized rocks are frequently adjacent chloritized / mineralized mafic tuffs. Essentially, a bimodal sequence of fragmental volcanic with sulphide mineralization. As a whole sulphide only range from 3-5 %, but locally short intervals (i.e.. 312.95-313.95 m & 316.95-320.95) of 10-15% sulphide. generally wispy pyrite veinlets and laminations haloed by magnetic po and possibly trace sphalerite, pink po and red sphalerite are often hard to distinguish apart. Fragmental texture is obvious throughout. Wherever hornfelsing increases locally, mineralization seems to disappear or is at least disguised. A weak to moderate fabric varies from 35-45 deg. t.c.a, where it can be observed. @ 322 m: ~ 1m interval of a brecciated, quartz flooded zone, milky white quartz surrounding angular green wallrock fragments.
		<u>Mineralized (weakly) bimodal tuffs</u>
328	333.57	A combination of the two zone described above with lesser sulphide, 2-3 % (no visible sphalerite), and a more broken rubbly section of core, possible fault structures? Also hornfelsing increases and thus less mineralization has mentioned. Diffuse subjective contact based on sulphide content and broken nature of zone. Most measurable broken fracture planes

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

Depth

(from) (to)
cont...

and weak fabric suggest a 35-45 deg. t.c.a, trend.

Felsic (bimodal) tuffs

333.57 338.18 Felsic - bimodal tuffs described above except mineralization is practically gone with only local patches of sulphide (with definite sphalerite) and a pervasive increase in hornfelsing vein-like alteration, specifically abundant epidote with common garnet. Fragmental texture of lithology seems to be more prevalent with introduction of hornfelsing, this is a consistent observation noted in other holes specifically up-dip hole #3. The pervasive vein like and patchy hornfelsing alteration is so pervasive and irregular a fabric cannot be conclusively identified. Massive sulphide lamination (pyrite) @ 334.8.

Felsic (bimodal) Tuffs (Mineralized)

338.18 350.82 Predominantly dark grey to green in part, felsic fragmental with a minor mafic component. Overall unit is same as above with consistent hornfelsing alteration primarily consisting of epidote veins with minor garnet and quartz, veinlets remain erratic with no consistent fabric. Sulphide mineralization has increased to 2-3 % as a whole but locally concentrates to ~10% over 1 m sample intervals. Sulphide are predominantly pyrite but reddish sphalerite is present as veinlets not always associated with pyrite. Pyrite and po sulphide are more blotchy and coarse grained than typical whereas sphalerite remains consistent as minute wispy veinlets. No apparent fabric. Both contacts are diffuse zones of change primarily based on sulphide content. Locally more pyrite rich sections are hosted in quartz veins, @ 340.56 m. Most fractures are chloritized and vary from 35-55 deg. t.c.a.

342.51-344.44: Lapilli Tuffs

Dark green to buff interval of pyroclastic rocks. A dark green chloritized matrix with common 2-3% sulphide (pyrite) surrounding large buff, angular felsic fragments up to 10 cm. Locally sections of lapilli tuffs occur throughout unit.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

<u>Depth</u> (from (to)	<u>Description</u>
	<u>Regional Metamorphic Alteration</u>
350.82 353.47	Sizable zone of intense, pervasive hornfelsing consisting of primarily quartz veins rich in epidote and garnet. Erratic veins and veinlets are often surrounded by black chloritic altered matrix, sulphide are also common, ~10% (pyrite). Final meter of unit becomes much more chloritic with common pyrite in a surrounding matrix. @353.43 a concentric zone of pyrite and lesser sphalerite haloing a white anhedral quartz fragment?? Contacts are subjective based on hornfelsing alteration.
	<u>9+75 E</u>
353.47 366.66	Identical to that above @333.18 m. Common intervals of lapilli tuffs characterized by large angular felsic volcanic fragment surrounded by a dark green to black chloritic matrix. Only weak sulphide mineralization, ~2-3% with local enrichments but, sulphide predominantly pyrite appears to be consistently associated with sphalerite. Sulphide is certainly base metal rich!! Regional metamorphic alteration is generally weak but large patches occur locally, i.e.. @ 360.89 m. Towards lower contact sulphide diminish to less than 1%. Lower contact is diffuse apparently grading to a greener mafic rock.
	<u>Andesitic Volcanic / Tuffs</u>
366.66 373.59	Green to dark grey black intervals of volcanic / tufaceous rocks composed of both mafic and felsic intervals. Unit overall appears more massive and less fragmental. Moderate regional metamorphic alteration remains consistent as vein and patches as seen throughout hole. Fabric is not well developed but is suggested by the epidote veining / laminations generally trending 35-35 deg. t.c.a. Trace disseminated and veinlet pyrite, < 1%. Sulphide certainly appear to be associated with the more grey felsic (or silicified) intervals. Lower contact is questionable but does appear to be ~45 deg. t.c.a.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E
Collar Northing: 95+25 N
Hole Azimuth: 110 deg.
Hole Inclination: 60 deg.
Total Depth: 529.44
Logged by Victor French /
Chad Wells
Date: Oct.20/00
Start Nov. 9/00
Finish

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

(from (to)

Dike

373.59 378.99 Fine grained, homogenous, black dike, no associated mineralization. Irregular lower contact. Originally perceived has a mafic dike but closer observation suggest the unit is too hard, possibly a felsic dike? Adjacent apparent (?) lower contact @ 378.79 a large buff to grey (20 cm) xenolith of mineralized felsic volcanic rock is totally incorporated by the felsic or mafic dike. Lower contact is indistinguishable but is interpreted based on introduction of epidote alteration characteristic of the regional metamorphic alteration seen throughout volcanic / tuffaceous lithologies.

Bimodal (felsic) Tuffs

378.99 435.9 Dark green to black variably textured unit of volcanic, both (predominantly) felsic and mafic fragments are visible throughout and are generally surrounded by a black chloritic matrix. Fragments are frequently lapilli size and are distinguished by there slightly lighter coloration than surrounding matrix. Trace sulphide is often present as very fine pyrite laminations (hairlike), often associated with the chlorite matrix and sometimes coupled with the common veining alteration. Pink to red sphalerite and similar colored garnets associated with the epidote veins are very hard to distinguish apart but sphalerite mineralization is present locally, at 390.2 m a short interval of silicified / chloritized tuffs contains visible flame like wispy veins of sphalerite associated with epidote veinlets. Down hole @ ~ 401.6 m chlorite alteration becomes more evident as regular diffuse zonations often paired with silica alteration surrounding the veinlike regional metamorphic alteration, and often there is associated increasing sulphide mineralization which appears consistently sphalerite rich!! The sphalerite-rich sulphide always appear as discrete patches or veins possibly associated with the alternation veining. However, wispy veinlets of pyrite and po is often included in the chloritized / silicified regular zonations discussed above (@ 405.5). A fabric is lacking in most of this lower part of the hole and is presumably due to the apparent increase in size (lapilli) of tuffs fragments, and consequently do not suggest a fabric over the width of a bore hole.

Mafic Dike

435.9 440 Dark green to black mafic dike, visible fine grained texture, massive unit, trace epidote veins. No mineralization.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar East 9+75 E Logged by Victor French /
Collar North 95+25 N Chad Wells
Hole Azimuth 110 deg. Date:
Hole Inclination 60 deg. Start Oct.20/00
Total Depth 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

<u>Depth</u>	<u>Description</u>
(from (to)	<u>Mafic (andesitic) Tuff / Volcanic</u>
440 483.98	Dark to medium green, black in part, mottled like texture of common very large green fragments (almost pillow-like) (@ 459.05 m) surrounded by a dark green to black chloritic matrix. The unit lacks any mentionable deformation and thus no obvious fabric. The regional metamorphic alteration consisting of epidote and quartz veins with increasing garnets remains consistent. Overall unit appears to represent an andesitic mafic tuff that has been intensely chloritized throughout its permeable matrix. Several fragments are >10 cm in diameter. The fragmental texture is often very hard to recognize. Brown material (mica) is present locally as part of the matrix, @ 458.85 m, likely reflecting a more hydrated component of the matrix. Sulphide are practically non-existent except for trace disseminations that occur locally. Proceeding down through unit, fragmental texture appears more like concentric mafic fragments surrounded by lesser dark chlorite, but more brown micaceous material and grey silica. This unit originally perceived as a fragmental is more likely a andesitic pillow lava sequence, the concentric mafic fragments are in fact small circular pillows (?) A rather undeformed, unaltered sequence of pillow lava??
483.98 529.44	<u>Felsic-Intermediate Volcanic</u>
(E.O.H.)	Dark grey to black (slightly blue in part) weakly foliated unit of felsic rocks. Unit is quite homogeneous with a weak identifiable fabric @ ~35 deg. t.c.a. and very little alteration except for trace epidote veins-laminations that occur locally. Minor zones of weak silicification are apparent over short intervals, consistent with increased broken rubbly core. No obvious sulphide or prospective alteration. @ 484.25-484.6 m: short interval of a maroon volcanic or sediment, likely a thin jasper horizon, moderately magnetic with 10-12% veinlike laminations of pyrite throughout. There are no apparent base metal sulphide associated with pyrite mineralization. Sharp upper and lower contacts @~35 deg. t.c.a. Broken rubbly section of core continues from 486.1-492.9 m possibly reflecting presence of a fault, @ 489.81 m moderately developed fabric possibly adjacent fault.

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SR-05

License #: 4006
Property: Gullbridge

Collar Easting: 9+75 E Logged by Victor French /
Collar Northing: 95+25 N Chad Wells
Hole Azimuth: 110 deg. Date:
Hole Inclination: 60 deg. Start Oct.20/00
Total Depth: 529.44 Finish Nov. 9/00

Down Hole Surveys (Tropari):

111 /057 @ 290.47 m
111/056 @ 439.6 m

Depth

(from) (to)
cont...

Description

Minor short sections of core contain wispy veins and/or pyrite disseminations (~1%), not prospective.
Unit is generally weak to locally moderately magnetic.

Total Depth: 529.44 m, Nov. 9/00 @ 1:30 pm

Assay Data Diamond Drill Hole SR_05 Gullbridge Property - Sturgeon River (SR) Prospect

Sample	Depth		Au	Ba	Fe	Zn	Cu	Ag	Pb	Cd
Number	(from)	(to)	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm
88942	288.47	288.61	123	15	8.61	7100	803	3.8	10300	28.4
88943	305.5	306.5	16	10	6.60	6000	369	0.2	18	53.2
88944	311.95	312.95	15	51	>10.00	109	880	0.4	19	0.5
88945	312.95	313.95	5	33	>10.00	68	742	0.2	9	0.5
88946	313.95	314.95	5	81	9.46	96	585	0.4	5	0.5
88947	314.95	315.95	5	73	4.34	104	228	0.2	16	1.3
88948	315.95	316.95	5	41	6.96	187	392	0.3	12	0.5
88949	316.95	317.95	5	35	8.71	121	744	0.5	9	0.5
88950	317.95	318.95	12	51	>10.00	92	1166	0.8	9	0.5
90501	318.95	319.95	29	10	>10.00	277	1740	1.5	32	1.0
90502	319.95	320.95	5	29	9.38	1119	645	0.4	43	6.1
90503	320.95	321.95	5	10	5.37	981	216	0.3	27	7.7
90504	321.95	322.95	5	10	4.90	798	315	0.4	64	8.9
90505	322.95	323.95	5	10	8.73	591	435	0.7	34	3.5
90506	323.95	324.95	5	10	>10.00	655	631	0.9	24	1.8
90507	324.95	325.95	5	10	6.41	2050	210	0.2	26	14.2
90508	325.95	326.95	5	10	>10.00	499	691	0.8	50	0.9
90509	331.52	332.52	5	29	5.02	1103	189	0.4	91	6.3
90510	332.52	333.32	5	16	4.97	384	197	0.4	121	1.5
90511	334.77	335.02	5	10	5.81	3200	220	0.4	34	20.8
90512	335.02	336.02	5	10	7.68	563	136	0.2	10	1.2
90513	338.18	339.18	5	37	3.46	1714	112	0.4	9	9.2
90514	339.18	340.18	5	16	5.97	3800	199	0.9	102	17.5
90515	340.18	341.18	5	25	5.68	1523	151	0.3	9	8.6
90516	341.18	342.18	5	24	2.55	87	70	0.2	22	0.5
90517	342.18	343.18	5	12	5.04	1326	117	0.6	269	6.8
90518	343.18	344.18	5	77	4.60	1829	113	0.4	52	11.1
90519	344.18	345.18	5	56	5.16	7100	197	0.9	341	46.1
90520	345.18	346.18	5	72	4.52	4800	129	0.6	176	31.3
90521	346.18	347.18	20	30	6.20	1949	201	1.0	154	11.1
90522	347.18	348.18	5	75	4.43	49	130	0.3	5	0.5
90523	348.18	349.18	5	83	4.72	500	154	0.5	51	1.8
90524	350.73	351.73	36	10	4.52	3200	212	3.4	3000	17.6
90525	351.73	352.73	19	10	5.19	3000	242	2.2	1723	16.3
90526	352.73	353.73	5	18	5.72	1000	212	1.8	1422	3.5
90527	353.73	354.73	5	11	4.15	1532	215	0.5	236	10.7
90528	354.73	355.73	5	10	5.60	3200	211	1.8	538	21.5
90529	355.73	356.73	5	13	4.14	306	166	0.3	33	1.1
90530	356.73	357.73	5	14	3.46	245	158	0.2	15	0.9

Assay Data Diamond Drill Hole SR_05 Gullbridge Property - Sturgeon River (SR) Prospect

<u>Sample</u> <u>Number</u>	<u>Depth</u> <u>(from)</u>		<u>Au</u> <u>ppb</u>	<u>Ba</u> <u>ppm</u>	<u>Fe</u> <u>%</u>	<u>Zn</u> <u>ppm</u>	<u>Cu</u> <u>ppm</u>	<u>Ag</u> <u>ppm</u>	<u>Pb</u> <u>ppm</u>	<u>Cd</u> <u>ppm</u>
	<u>(to)</u>									
90531	357.73	358.73	5	16	3.27	70	115	0.2	6	0.5
90532	358.73	359.73	5	13	3.21	86	137	0.2	23	0.5
90533	359.73	360.73	38	11	4.50	803	316	0.6	6	6.1
90534	390.2	391.2	5	10	3.69	>2200	173	0.2	8	19.9
90535	392.5	392.75	5	10	1.43	>2200	88	0.2	4	64.0
90536	402.6	403.6	5	10	2.05	372	118	0.2	2	2.9
90537	404.47	404.97	5	10	2.28	85	92	0.2	2	0.5
90538	406.63	407.63	5	10	2.37	1026	122	0.2	113	6.9
90539	407.63	408.63	5	10	2.53	448	99	0.4	249	2.9
90540	408.63	409.63	5	19	2.21	1326	60	0.3	2	10.1