

Great Gull Lake Resources - Gullbridge Project 2001

DDH - SW-02

Down Hole Surveys (Tropari):

License #:	Collar Easting:	3+15 E	Logged by:	Victor French /	? /45 @ ~83 m
Property:	Collar Northing:	24+00 N		Chad Wells	
	Hole Azimuth:	130 deg.	Date:		
	Hole Inclination:	45	Start	Nov. 16/00	
	Total Depth:	85.04 m	Finish	Nov. 17/00	

<u>Depth</u>	<u>Description</u>
(from) (to)	<u>Quartz-Chlorite+Sericite Schist</u>

4.32 27.96 Dark grey to greenish blue lithology with well developed foliation characterized by laminations & bands of white quartz, dark green chlorite, and brownish sericite & biotite, sulphide minerals predominantly pyrite also occurs as disseminated laminations and bands (< 1%). Fabric is generally 55-65 deg. t.c.a, and is regularly contorted and undulated locally. The crenulations reveal no particular structural measurement or feature useful in determination of structural complexity of region. Trace dark grey to blue anhedral grains are likely dark green chloritized cordierite porphyroblasts giving rise to local mottled texture. The porphyroblasts are typically elongated to fabric direction with other mineralogy, specifically, quartz and chlorite surrounding the altered cordierite grains. Sericite and lesser biotite is often interbanded with the chlorite & quartz laminations. Milky white quartz veins are common as contorted, broken bands throughout. Sulphide predominantly pyrite with trace cpy occurs as fine to medium grained disseminations and laminations, up to 2-3% locally. Top 3 meters of core from surface is highly broken and rubbly, may reflect a fault presence or simply abundant fracturing near surface. @ 15.10 m unit becomes progressively white and highly siliceous with increasing sulphide content, interpreted as a very quartz rich section of the the variable schist described above. Likewise unit also gets more massive and other mineralogy, chlorite, sericite and biotite diminishes significantly, only appears as very thin laminations in quartz rich lithology. Sulphide, pyrite content increases slightly to 1-2% as 1-2 cm laminations averaging 1-2 veins every 1 m. "Felsic volcanic unit described in SW-01 (15.1-27.96 m)

Metavolcanic (intermediate grading to mafic)

27.96 85.04 Dark to medium green unit of variably altered volcanic rock with local zone enriched in biotite alteration or alternating chlorite alteration. Overall unit appears to reflect an intermediate volcanic with mafic component horizons. Unit has been hydrated/altered and most mafic mineralogy is a mixture of chlorite and hornblende with minor biotite. A lighter green coloration is developed locally reflecting a more epidote rich composition with minor cordierite. This section is also highly magnetic suggesting dark bands alternating with epidote is certainly magnetite -rich. Sulphide also increases in that horizon has trace disseminations and veinlets, pyrite with lesser po increases

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License #:	Collar Easting:	3+15 E	Logged by:	Victor French /	? /45 @ ~83 m
Property:	Gullbridge	Collar Northing:	24+00 N	Chad Wells	
	Southwest Shaft	Hole Azimuth:	130 deg.	Date:	
		Hole Inclination:	45	Start	Nov. 16/00
		Total Depth:	85.04 m	Finish	Nov. 17/00

Depth

Description

(from) (to)
cont...

up to ~ 3-5 % (27.96 - 32 m). Unit progressively develops into a more mafic composition overall, with cordierite rich section developed locally as well as brown laminated tuffs over short intervals. The brown tuff likewise contains a slight increase in pyrite to 3-5 %. Minor broken, patchy looking quartz-carbonate veins occur regularly throughout. Lithology is generally quite massive, but towards lower contact and in brown sections a weak fabric suggests a 50-65 deg. orientation. The very little prospectivity throughout unit except for local sulphide enrichments consistent with the zones described above. The entire interval is weakly magnetic but unit appears progressively darker (chloritized) and magnetic @ ~59 m, possible introduction of the Fe-Mg altered zone identified by previous workers. Diffuse zone of contact between identified lithologies. Cordierite- porphyryblasts @ 48.55 m; Brown Tuff: 49.3 - 51.55 m; Porphyritic Mafic dike @ 68.3 m for ~20 cm. 75 m zone of highly broken core in a slightly more felsic interval, likely reflecting a fault zone.

Total Depth: 85.04 m (279 ft); 11/17/00 @ 11:00 am