

SELCO INC.

DRILL RECORD / JOURNAL DE SONDAGE

PROJECT PROJ Mary March AZIMUTH 313° DRILLED BY SONDAGE PAR New Valley HOLE NO. NO. DU TROU BJ-85 LOCATION ENDROIT L 38W 1760N

PROPERTY PROPRIÉTÉ 2007-1-86E DIP INCLINATION -45° LOGGED BY JOURNAL PAR G. Woods SHEET NO. NO. DE FEUILLE 1 TOTAL DEPTH PROFONDEUR TOTALE 100 m

LICENCE/CLAIM PERMIS/CLAIM _____ CORE SIZE DIMENSION DE CARROTE 80 STARTED DATE COMMENCÉE June 24/87 COMPLETED DATE TERMINÉE June 28/87

FROM DE m	TO A m	DESCRIPTION	SAMPLE NO. NO. D'ECHANT.	FROM DE	TO A	LENGTH LONGUEUR	CORE RECOVERED CARROTE RECOURVRE	ASSAYS ANALYSES			
		<u>PURPOSE OF HOLE</u> <u>OBJET DU TROU</u>									
		To test good IP anomaly beneath bog									
		All core angles measured relative to long core axis									
0	10.0	Overburden									
10.0	10.7	<u>Chloritic lapilli tuff</u> - 1-2% pyrite, locally up to 10% - greenish-grey quartz crystal-rich matrix with clasts of black argillite, rhyolite and felsic tuff averaging 1 cm									
10.7	22.0	<u>Feldspar porphyry</u> - medium grey, hard, siliceous, massive matrix, about 15% white feldspar phenocrysts randomly oriented - trace disseminated pyrite euhedra, cut by sub mm thick quartz healed fractures at 50° - weakly chloritic in discrete weakly brecciated zones - contains several short segments of lithic tuff as described below									

METRE	DIP INCLIN.	AZIMUTH
100	35°	

REMARKS / REMARQUES

10.4 m S₁ at 60°

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PROJECT
PROJET Mary MarchHOLE NO.
NO. DU TROU BJ-85SHEET NO.
NO. DE FEUILLE 2

FROM DE m	TO A m	DESCRIPTION	SAMPLE NO. NO. D'ECHANT.	FROM DE	TO A	LENGTH LONGUEUR	CORE RECOVERED CAROTE RECOURVE	ASSAYS ANALYSES				REMARKS / REMARQUES
10.7 cont'd	22.0	15.9 to 16.8 m - lithic tuff - chloritic crystal-rich matrix with less than 0.5 cm lithic clasts mostly of black argillite - very strong foliation at approx. 25° to core axis - contacts with feldspar porphyry are sharp, erratic and cross cutting - feldspar porphyry probably intrusive										
22.0	24.9	<u>Agglomerate</u> - clasts average 4 to 5 cm - sheared matrix from 23.6 to 24.9 m but fragments show little strain - rare pyrite										23.8 m - S ₁ at 40°
24.9	31.6	<u>Interbedded lithic tuff and black pyritic argillite</u> - argillite and minor siltstone-bedding and contacts with lithic tuff are parallel to foliation at 45° - lithic tuff is grey, well foliated and contains clasts of argillite and felsic volcanics - minor disseminated pyrite - argillite contains thin continuous laminae to discontinuous lenses of pyrite parallel to bedding 28.0 m - 10 cm quartz-calcite cemented breccia with trace pyrite										26.7 m - S ₁ at 52° 29.3 - 30.5 m - 90% core loss - fault zone
31.6	37.5	<u>Mafic dyke</u> - massive, fine to medium grained, grey to green, scattered calcite amygdules - minor quartz-calcite veinlets										

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PROJECT Mary March
PROJETHOLE NO. BJ-85
NO. DU TROUSHEET NO. 3
NO. DE FEUILLE

FROM DE m	TO A m	DESCRIPTION	SAMPLE NO. NO. D'ECHANT.	FROM DE	TO A	LENGTH LONGUEUR	CORE RECOVERED CARROTE RECOURRE	ASSAYS ANALYSES				REMARKS / REMARQUES
37.5	40.0	<u>Black pyritic argillite</u> - minor graphite, minor grey siltstone beds - numerous segments of fine grained and greenish to medium grained and clay altered mafics that are cut by quartz $\pm$ calcite $\pm$ chlorite veinlets										37.8 m - $S_{10} = S_0$ = pyrite seams at 50
40.0	45.8	<u>Breccia zone</u> - silicified brittle breccia zone with rare fine grained mafic dyke and dark grey feldspar porphyry fragments - predominantly silicified fragments - cross-cut by quartz-calcite veinlets - trace pyrite, minor hematite										42.7 - 45.7 m - 65% core loss
45.8	47.0	<u>Feldspar porphyry</u> - hard, dark grey, weakly brecciated and minor quartz-calcite veinlets - minor pyrite in small veinlets and patches										
47.0	52.1	<u>Mafic dyke</u> - medium to dark green, fine grained, massive to weakly foliated, moderate to heavy quartz $\pm$ calcite $\pm$ epidote veinlets										
52.1	53.2	<u>Crystal to lithic tuff</u> - greenish grey, weakly chloritic, extremely well foliated in sharp contrast to mafic dyke above - siliceous lithic fragments, flattened and cleavage parallel - 53.0 m - minor greasy sericite/pyrophyllite										

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PROJECT
PROJET Mary MarchHOLE NO.
NO. DU TROU BJ-85SHEET NO.
NO. DE FEUILLE 4

FROM DE m	TO A m	DESCRIPTION	SAMPLE NO. NO. D'ECHANT.	FROM DE	TO A	LENGTH LONGUEUR	CORE RECOVERED CARROTE RECOUVRE	ASSAYS ANALYSES				REMARKS / REMARQUES
53.2	55.5	<u>Feldspar porphyry</u> - medium to dark grey, highly siliceous, locally highly fractured - massive to weakly foliated - locally chloritized, also chloritic along fractures										
55.5	56.6	<u>Felsic crystal tuff</u> - well foliated, greyish green, 1% scattered disseminated pyrite - variably silicified with strong silicification from 56.3 to 56.6 m										56.1 m - S ₁ at 50°
56.6	58.5	<u>Mafic dyke</u> - fine grained, bleached amphibole porphyritic chill margins top and bottom, less than 1 mm size chloritic amygdules - massive, post tectonic 57.6 to 57.9 m - quartz veined breccia zone										
58.5	62.7	<u>Agglomerate</u> - fine grained to medium grained chloritic crystal-rich matrix with salmon orange fragments of siliceous felsite -trace pyrite										
62.7	64.6	<u>Mafic dyke</u> - fine grained with tiny chloritic amygdules and chilled contacts, massive, post tectonic - planar quartz veins along fractures										
64.6	65.9	<u>Lithic tuff</u> - fragments of grey siliceous felsite, chloritic crystal tuff and maroon coloured shaley lapilli and platelets										65.2 m - S ₁ at 35° (erratic)

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PROJECT
PROJET Mary MarchHOLE NO.
NO. DU TROU BJ-85SHEET NO.
NO. DE FEUILLE 5

FROM DE m	TO A m	DESCRIPTION	SAMPLE NO. NO. D'ECHANT.	FROM DE	TO A	LENGTH LONGUEUR	CORE RECOVERED CARROTE RECOURRE	ASSAYS ANALYSES				REMARKS / REMARQUES
65.9	67.3	<u>Maroon coloured unit with quartz-chlorite veinlets and ovoids (amygdules?)</u> - hard and siliceous, broken										
67.3	69.8	<u>Feldspar porphyry</u> - dark purple-grey, moderately brecciated and cut by quartz $\pm$ chlorite $\pm$ calcite veinlets, patchy hematitic zones										
69.8	72.7	<u>Mafic dyke</u> - fine grained, bleached and chilled upper and lower contacts, chloritic $\pm$ calcite amygdulites - massive, post tectonic										
72.7	94.2	<u>Feldspar porphyry</u> - dark, purple-grey, moderately to strongly foliated, feldspar phenocrysts become hard to discern in strongly foliated sections - minor quartz $\pm$ calcite $\pm$ chlorite veinlets - hematitic veins, patches and lenses (generally cleavage parallel) become common below 85.1 m, at 86.3 m a cross-cutting veinlet can be seen in the early stages of transposition into cleavage planes 74.4 m - 20 cm section of fine grained mafic dyke with occasional hard hematitic fragments parallel to cleavage 74.5 m - 30 cm section of orange, sericitic intensely sheared 92.8 to 94.2 m - several olive grey mafic? segments (dykes?) occurring as tectonized fragments										74.5 m - S ₁ at 40° 80.2 m - S ₁ at 50° 83.2 m - S ₁ at 45° 85.7 m - S ₁ at 40° 89.9 m - S ₁ at 40°

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PROJECT
PROJET Mary MarchHOLE NO.
NO. DU TROU BJ-85SHEET NO.
NO. DE FEUILLE 6

FROM DE m	TO A m	DESCRIPTION	SAMPLE NO. NO. D'ECHANT.	FROM DE	TO A	LENGTH LONGUEUR	CORE RECOVERED CARROTE RECOURVE	ASSAYS ANALYSES				REMARKS / REMARQUES
94.2	100.0	<u>Crystal tuff</u> - variably coloured purple-grey to green, approximately 10% feldspar (minor quartz) crystals in dark grey to green chloritic/sericitic matrix - patchy hematization, calcite along cleavage planes and replacing feldspar crystals - minor quartz $\pm$ chlorite $\pm$ calcite veinlets E.O.H. @ 100.0 m										99.1 m - S ₁ at 50° 97.0 - 100.0 m - 55% core loss