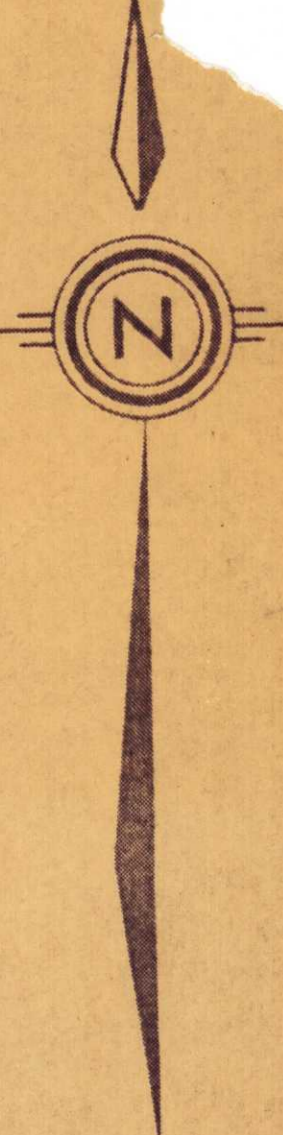


SYMBOLS

- S1, FLOW FOLIATION, IGNEOUS ROCKS
- S1, BEDDING, VOLCANIC & SED. ROCKS
- S2, ALL ROCKS
- JOINTS
- VEINS
- FLOW DIRECTION
- MINOR FAULT, DIP, STRIKE
- SHEAR FAULT, DEFINED
- SHEAR, APPROXIMATE
- SHOWING
- GEOLOGICAL CONTACT
- PROBABLE
- APPROXIMATE
- OUTCROP
- OUTCROP AREA
- ROAD
- SPECIMEN NO. LOCATION

SCALE 1:5,000
 GEOLOGY BY A. SUTHERLAND BROWN 89-05-16/06-15



CLAIM BOUNDARY

CALLAGHAN CREEK

BRANDYWINE CREEK

LEGEND

- POBT-PLUTONIC - NEOGENE & QUAT. GARIBALDI GROUP
- 17 BASALT FLOWS, valley filling vesicular & columnar flows
- LATE DYKES GARIBALDI GROUP (4-16?)
- 16 ANDESITE, rusty weathering grey mafic aphanite
- 15 DARK GREY "DACITE" - finely banded aphanite (a) & inclusion charged aphanite (b)
- 14 FELSITE, some colored aphanite or sparse (s) quartz, feldspar & biotite porphyroclasts - (a rhyolite?)
- INTERMEDIATE DYKES
- 13 QUARTZ FELDSPAR BIOTITE PORPHYRY - sparse somewhat schistose aphanitic white matrix, qtz, sanite sch.
- EARLY DYKES
- 12 ANDESITE, trachytic with 10% coarse feldspar laths, green aphanite, hornblende phenocrystic green aphanite.
- 11 GREY FELDSPAR PORPHYRY - 20% plagioclase in fine feldspar and hornblende matrix
- PLUTONIC ROCKS, COAST PLUTONIC COMPLEX (3-9)
- 9 APLITIC GRANITE, buff weathering white fine sugary granite >40% quartz, .5% biotite
- 8 GRANITE, variably coarse, white weathering granite with graphic clots
- 7 MIXED GNEISS - 8a; mafic gneiss, 8b; felsic gneiss, pegmatite & quartz, etc.
- 6 GRANODIORITE, med to fine medium, white weathering granodiorite with 20-25% quartz, 3% fine granodiorite
- 5 PORPHYRYIC DIORITE, lathy crowded plagioclase porphyry diorite with fine mafic rich matrix, sa magnetite or quartz bearing diorite (5-15% quartz), sa magnetite
- 4 HORNBLENDE QUARTZ DIORITE - fine to fine med quartz diorite
- 3 HORNBLENDE DIORITE - med. & fine, equigranular diorite.
- HYBRID DIORITE - variable textured, inclusion charged diorite.
- PRE-PLUTONIC Rocks - GAMBIER GR.?
- 2 LIMESTONE, marble, skarn.
- 1 GREENSTONE, meta greenstone, amphibolite, green schist mafic gneiss.

NOTE
 TOPOGRAPHY COMPILED BY MCFERRAN SURVEYING AND ENGINEERING LTD. AUG. 1987
 UTM GRID APPROXIMATE FROM 1:50,000 SCALE GOVERNMENT TOPO MAP 922-3

100 200 300
 METERS

DPLACER DOME INC.
BRANDYWINE PROPERTY 233

DRAWN: HIRG	881310
DATE: APRIL 89	Brandywine
SCALE: 1:5,000	02/26
REVISED: JULY 89	922-301
FILE NO.: NORTH SHEET	

