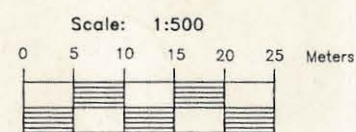


PLATE 3

Steven A. Osterberg, 1993



Sources of Information
 Baint, 1984, Geologic Map, Winston-Zenith Project, Corporation Falconbridge Copper, 1:5000 scale compilation
 Detailed field mapping at and 1:500 of selected areas by Steven A. Osterberg during the 1987 through 1990 field seasons.

LATE INTRUSIVES

- Diabase
- Granite
- Felsite

THOLEIITIC VOLCANICS AND RELATED DIFFERENTIATED MAFIC INTRUSIONS

- Gabbro
- Transitional Gabbro-Ultramafic
- Ultramafic (amphibole-pyroxenite)
- Mafic Lava Flows: pillowed to massive
- apphyric
- felspar-phritic

WINSTON LAKE SEQUENCE (WLS) CALC-ALKALIC VOLCANICS AND ASSOCIATED VOLCANICLASTICS

WINSTON FOOTWALL BLOCK (WFB)

- Succession units, (codes)
- Winston Lake Mafic Deposit (WLH-MS)
 - Mafic Volcanic and Intrusive Feeder Rocks (WLH-FR)
 - Mixed Laminated Ash and Exhaustive Sediments (WLH-CRT)
 - Mafic Lava Flows (WLH-MA)
 - Footwall Flow (WLH-FWF)
 - Upper Clastic Succession (LCS)
 - Clotted Rhyolite (CLR)
 - Volcaniclastic and Associated Rocks (SV)
 - Felsic Tufts (SV-F)
 - Synvolcanic Intermediate Volcaniclastics (SIV-VC)

- Middle Flows Succession (MFS)
- Synvolcanic Felsic-Derived Sediments and/or Tufts (CT)
 - Unindurated Mafic Rocks (MA)
 - Middle Mafic Flow and Associated Rocks (MMF)
 - Camp Flow Rhyolite and Assoc. Feeder Dikes (QFF)
 - Ladder Flow (LF)
 - Main QFF (QFP)

- Lower Clastic Succession (LCS)
- Chemical Precipitates (CRP, MS)
 - Pick Clotted Rhyolite (PCLR)
 - Cligen Clotted Rhyolite (CCLR)
 - Pick-Cligen Clastics (PCC)

1No relative age relationship
 *of units within successions implied
 **of unit with respect to others implied

BIG DUCK SEQUENCE (BDS)

- Zenith Sill
- Rain Mountain Gabbro (RM-GB)
- Contact Lake Sill
- Cligen Road Sill
- plug-like intrusions

RAIN MOUNTAIN-GESIC BLOCK (RMB)

- Succession units, (codes)
- Rain Mountain-Gesic Sulfide Horizon (RGS-H)
 - Mixed Volcaniclastic, Cherty tufts, and Sulfidic Rocks (RGS-CRT)
 - Mafic Lava Flows (RGS-MA)
 - Rain Mountain-Gesic Clastic Succession (RGS-C)
 - Rain Mountain-Gesic Clotted Rhyolite (RMCLR)
 - Rain Mtn-Gesic Volcaniclastic Rocks (RGS-VR)

- Rain Mountain-Gesic Flow Succession (RGS-F)
- Rain Mtn-Gesic Ladder Flow (RGLF)
 - Rain Mtn-Gesic QFF (RGSQFP)

SYMBOLS

- geological contact (inferred, exposed)
- grid lines
- foliation
- bedding
- joints
- lineation
- minor fold (with hinge attitude)
- fault
- shear
- rusty character
- pillow: (unoriented, attitude with facing)
- outcrop
- boulders (local)
- hyaloclastite
- roads (gravel, drill roads)
- trail
- xenoliths
- sulfide mineralization
- shaft
- drill hole (surface projection)
- sample locations: thin section - GAD, thin section - Morton (1983), chemistry (+ thin section), microprobe sample
- alteration pseudofragments
- altered areas
- Alteration Zones: LA Least Altered, T/A Tremolite/Actinolite, BIO Biotite, SIL Sillimanite, SIL-ST Sillimanite-Staurolite, AN/GD Anthophyllite/Gedrite, QTZ Quartz-rich (silicified)

