10/101

BEATRICE (TYNDALL) SHEET 10

GEOLOGY (OUTCROP)

1:6,000

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Tyndall, Lyell, Beatrice, Comstock, 1972-76

Placer Dome Asia Pacific*
Green, D.

LAKE BEATRICE
OWEN BOULDERS
Garden Lmst.
Jukes Congl.
Owen Conglomerate boulders
Coarse grained hematite - conglomerate (Owen)
Acid conglomerate with large frags. of the porphyry & abundant chert pebbles - 20% - 70% frags in range 2cm - 20cm (Jukes Congl.)
Continuous exp. of Darwin type rhyolite - breccia, acid lava & very abundant hematite (10% or total exp.) strong silicification and recrystallisation.
Boulders and blocks of Darwin - type rhyolite - much haem. in parallel veins and as breccia matrix. Up to 25% of rock is haem.
Numerous small outcrops of coarse grained congl. size of frags. decreased. Some acid volc. frags increasing in age.
Minor interbedded beds of lava & congl.
Fine grained grey-green acid lava & silicified breccia & minor felsite. Owen Extensive breccia-tfs covering
Hematite rich lapilli tuff breccia, altered & breccia frags. of Darwin type rhyolite in haem. chl. matrix. Possible bands of agglomerate.
Coarse haem. congl. (Owen)
Conglomerate Boulders
Owen weathered tuff
Pink/green breccia, altered acid lava (Bristol?)
Pink/green altered acid lava & chlorite, pyrite, minor sulphide & leaching
Very coarse congl. green m-f sst. & pebbles, minor haem. frags. of rhyolite, chert, sst. & felsite. Very abundant chert pebbles. Poor sorting.
Sequence of coloured micaceous shales & irregular banks & lenses of dry felsite-congl. with dry veining
Felsite & abundant white micas.
Green silic. acid lava - silt.
Green silt. acid lava, magnetite & sulfides, brown veins - 20% - 30% sst.
Pink/green silt. acid lava & pyrite.
Brecc. acid lava (Darwin type rhyolite?)
Mottled gaseous? voids (M156)
Green cond. tuffs and cloudbus
Green bank of Owen pebbles and boulders - not insitu?
Conglomerate boulders
Felsite porphyry
Intrabedded sequence of felsite lava and tuffs
Brecc. acid lava in places 50% haem. partly brecciated
Brecc. acid lava
Highly brecc. (autobrecc?) altered acid lava & abundant sericite + haem.
No Owen Congl. boulders
Minor flow structures
acid staining. Leaching? Fe/Mn
Altered acid lava
Acid lava
Felsite porphyry lava
Brecc. acid tuff.
Weathered volcanics
Minor flow structures
Lmst. boulders
Mottled brown acid volc? with thick veins of qtz.
Massive boulders of lmst. marl and lm matrix
Strongly brecc. acid lava
Pink/green silt. acid lava & pyrite
Green silt. acid lava
Very coarse congl.
Coarse congl.
Felsite
Felsite porphyry
Felsite porphyry lava with large phenocrysts
Felsite porphyry
Felsite porphyry
Felsite porphyry