ss bed 5 m thick in sls
Steep slopes with variable soils. Evidence of rock slides
dolerite talus
Marsh
Much outcrop
landslide
Very steep slopes with dolerite talus. High risk of slips
Rockfields, composed of boulders up to 3m across some risk of slips
dolerite talus
Much outcrop
Marsh
Much outcrop
Partly soil denuded slopes
Marsh
Marsh
dolerite talus
dolerite scree
Much outcrop
Much outcrop
dolerite scree
dol talus
Slopes denuded of soil cover following fires of Feb. 1967
Much outcrop
dol scree
Many springs related to talus/ss interface
ss cliffs
ss>sh
cliffs
Thick sandy soil
Soil cover variable due to erosion effects
Some soil creep on slope
Substantial, but very variable, soil cover containing occasional boulders. Would be subject to failures if trenched or cut
dol. talus
Mudstone in this locality contains impure limestone bands
Dolerite at shallow depth
Heat hardened md
Irregular blocky jointing
Heat hardened md
Major joints: jf_v = 2
minor joints jf_v = 6-7
Tb_v = 0.05-1.5
dol at shallow depth
Many springs related to beds just above the md/dol interface
Dolerite boundary nearly vertical (slight dip to E)
Much outcrop
Very thin soils
alluvium
Dolerite at shallow depth
Thick cover of dolerite talus subject to slips
Area very intensely faulted. Many faults not indicated due to small size or lack of recognition
Area very intensely faulted. Many faults not indicated due to small size or lack of recognition
The structure in this region should be regarded as a gross simplification due to limited exposure and intensive faulting
Sheet joints parallel to junction
Block joints jf_v = 3-5
Shattered, weathered breccia
Much outcrop jf_v = 3
Soils very thin in regions adjacent to the md/dol interface
Block jointing jf_v = 5-6
V_1 = 5000
Blocky jointing jf_v = 2-3 V_1 = 6500
V_1 = 2600
V_1(soil) = 900
V_1(w) = 1800
Evaluated site for dolerite quarry
dolerite at shallow depth
V_1(w) = 1760
prop. cemetery site
V_1(w) = 900-1100
V_1 = 2600-4000
Area very intensely faulted. Many faults not indicated due to small size or lack of recognition
Coarse-grained dol
The dolerite throughout the Mt Nelson - Ridgeway region is medium- coarse-grained and displays variable weathering characters. Gravelly decomposition products are common
Much outcrop
Much outcrop
w sls and clay up to 6 m thick
Threader: *Tech.Rep.* 9:16
Whitewater Creek Damsites:
Moore: *Tech.Rep.* 12:59
Tech.Rep. 14:117
Tech.Rep. 15
alluvium
F*
dol talus
jf_v = >10
q(dol, road and general uses)
q Reserves
(Jack: *Tech.Rep.* 8:46)
coarse-grained dol
ss>sh
Tb_{ss} = 0.2-2
FOR DETAIL IN THIS REGION SEE MAP HOBART CITY
dolerite talus
dol boulder beds
ss>sh
Cliffs of ss
ss>sh
much outcrop
Several zones of shattered and weathered dolerite (1 m to 7 m wide)
much outcrop
(md used for road fill
q quarry contains dykes of dolerite
q(w dol)
Md shows heat hardening. The continuity of the md-dol interface is disrupted by a series of small faults trending east-west
Dolerite at very shallow depth
q(w coarse-grained dolerite)
V = 2860
V = 2070
σ = 0.02
K = 0.83 x 10^{10} Pa
E = 1.26 x 10^{10} Pa
Longman: *Tech.Rep.* 13:89
(College of Advanced Education)
Much outcrop
Much outcrop
Mt Nelson dolerite mass predominantly composed of coarse-grained dolerite
Much outcrop
Very thin and patchy soils
Leaman: *Tech.Rep.* 15
Zone of fine-grained dolerite 20 m wide
q (w coarse-grained dol 'gravel')
alluvium
LL = 51
PI = 28
tuff breccia
Basalt quarry
Matthews: *Tech.Rep.* 8:45
alluvium
beach sand
Thick sand cover. Considerable drift of sand downslope across sls bedrock
V_1(w) = 1170
V_1(unw) = 3800
t_{50} = 12
Thick sandy soils (A horizon)
Sand: Threader: *Tech.Rep.* 9:13
Av grain size 0.2 mm .
t_9 max = 2.2 m
overlies sandy clay (B horizon)
Thick sand cover. Considerable drift of sand downslope across sls paddock
LL =) non plastic
PI =) sand
jf_v = 10
fill
ss>sh
The fill overlies some clay and basalt on ss
Q = 900
ss>md
fill
Dolerite margin dips NW beneath ss
Clays with large dol boulders (possibly old landslide deposits)
jf_v = 5-6
jf_n = 7
Accumulations of sls/md talus(?) associated with fault.
Zone of weathered dol 100 m wide on W side of fault
V_1(soil) = 300
V_1(md, heat hardened) = 4900
V_1(unw dol) = 3500-6500
V_1 = 6500
3500 = V_1
jf = 2
jf = 3
Multiple fault zone 200 m wide (includes 2 dolerite dykes)
Tb = 0.3
Tb = 0.4
Tb = 0.3
Tb = 0.2
Tb = 0.25
Tb = 0.2
Tb = 0.3
q(sls) jf_v = 4 Tb_v = 0.2
tb = 0.2 jf_v = 4
Tb = 1.0
Tb = 0.2-0.3 jf_v = 5
Tb = 0.4
Tb = 0.3
Tb = 0-5 jf_v = 1
jf_v = 8-10