Hobart Engineering Geology Map Series - Original overlay
Hob. S.W

5 cm

SOUTH WEST

6299CB

ss bed 5m thick in sls

Steep slopes with variable soils. Evidence of rock slides.

dol. talus

much outcrop

marsh

landslide

Very steep slopes with dol. talus. High slippage hist.

Rockfields, composed of boulders up to 3m across. Some slippage risk.

landslides

dol. talus

much outcrop

marsh

much outcrop

Partly Soil denuded slopes.

marsh

dol. talus

dol. scree

much outcrop

Area very intensely faulted. Many faults not indicated due to small size.

q (dol, road and general uses).

q Reserves: Jack: Tech. Rept. 8 p 46

coarse-grained dol.

ss>sh

tb_{85} = 0.2-2

dol. talus

F*

ss>sh

dol. boulder beds

weathered ss 5m thick.

thick cover of dol. talus. Subject to slippages.

cliffs of ss

ss>sh

much outcrop

tb=0.25

much outcrop

tb=0.2

F*

q (w. coarse grained dol.).

4q (ds) jf_v=4 tb=0.2

tb=0.3

tb=0.2 jf_v=4

much outcrop

slopes denuded of soil cover following fires of Feb. 1967

dol. scree

dol. talus

much outcrop

dol. scree

Many springs related to interface of talus on ss.

Area very intensely faulted. Many faults not indicated due to small size or lack of recognition.

ss

ss

ss>sh

ss

ss cliffs ss>sh

Soil cover variable due to erosion effects.

cliffs ss

thick sandy soil

tb=1.0

tb=0.2-0.3 jf_v=5

Sheet joints parallel to junction.

Blocky joints jf=2-5

Shattered, weathered breccia.

much outcrop jf_v=3

The structure in this region should be regarded as a gross simplification - due to limited exposure and intensive faulting.

much outcrop

Substantial, but very variable, soil cover containing occasional boulders. Would be subject to failures if trenched or cut.

dol. talus

ss

Some soil creep on slope

tb=0.4

tb=0.3

Mudstone in this locality contains impure limestone bands.

Dolerite at shallow depth

Area very intensely faulted. Many faults not indicated due to small size or lack of recognition.

ss>sh

ss

Heat hardened md

Irregular blocky jointing

Heat hardened md

jf_v=3-5

ss

Major joints: jf_v=2 Minor joints: jf_v=6-7

ss

Tb_v=0.05-1.5

tb_v

Soils very thin in regions adjacent to the md-dol interface.

Blocky jointing jf=5-6

V_1=5000

Blocky jointing jf_v=2-3

V_1=6500

V_1=2600

Dolerite at shallow depth

Many springs related to beds just above the md-dol interface.

Dolerite boundary near vertical (slight dip eastward)

ss>sh

much outcrop

much outcrop

much outcrop

Evaluated site for dol quarry. — ref?

Dol. at shallow depth

V_1(w) = 1760

prop. cemetery site
V_1(w) = 900-1100
V_1 = 2600-4200

V_1(soil) = 900
V_1(w) = 1880

alluvium

Whitewater Creek Dam sites:
Moore: Tech. Rept. 12 p59
Tech. Rept 14 p. 117
Tech. Rept 15

alluvium

Dol. at shallow depth

md

md

md

md

ss

ss

LL => non plastic
PI =

jf_v=>10

alterations + additions of Hob city.

Fill

ss>sh

FOR DETAIL IN THIS REGION SEE MAP HOBART CITY.

The fill overlies some clay and basalt on ss.

Q => Q=900

ss-md

Fill

Dol. margin dips NW beneath ss.

clays with large dol. boulders. (possibly old landslide deposits).

Accumulations of sls/md talus(?) associated with fault.
Zone of weathered dol. 100m wide on west side of fault.

much outcrop

jf_v=5-6
q jf_v=7

much outcrop

q

(md used for road fill. Quarry contains dykes of dol.)

much outcrop
variable but thin soils

Several zones of shattered and weathered dolerite (1m to 7m wide)

q (w. dol)

V_1(soil)=300
V_1(md, heat hardened) = 4900
V_1(unw. dol) = 3500 - 6500

V_1= 6500

3500 = V_1

Md shows heat hardening. The continuity of the md-dol interface is disrupted by a series of small faults trending east-west.

Longman: Tech. Rept. 13. Dep. Min Tas. p.89. (College Adv. Educ).

Dolerite at very shallow depth.

V_1=2860
V_2=2070
σ = 0.02
k = 0.83 x 10^{10} nt/m^2
E = 1.26 x 10^{10} nt/m^2

N

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

jf=2

much outcrop

Mt. Nelson dolerite mass predominantly composed of coarse grained dolerite.

jf=3

much outcrop

w. sls + clay
Up to 6m thick
Threader: Tech. Rept. 9 p.16

very thin and patchy soils

Leaman: Tech. Rept 15. — ? on 16
Zone of fine-grained dolerite 20 m wide.

jf_v=3-10

q (w. coarse-grained dol. "gravel")

tb=0.5 jf_v=1

alluvium
LL=51
PI=28

tuff breccia

Mottled fault zone 200 m wide (includes 2 dol. dykes)

Basalt quarry
Matthews: Tech. Rept. 8 p.45

tb=0.2

alluvium

tb=0.3

Thick sand cover. Considerable drift of sand downslope across sls bedrock.

beach sand

tb=0.3

tb=0.4

V_1(w) = 1170
V_1(unw) = 3800
t_w = 12

Thick sandy soils (A horizon)
Sand: Threader: Tech. Rept. 9 p.13
Av. grain size 0.2 mm
t_q max = 2.2m
overlies sandy clay (B horizon)

Thick sand cover. Considerable drift of sand downslope across sls bedrock.

Many springs related to beds just above the md-dol interface.

Very thin soils

alluvium

Dol. at shallow depth