

TH/3

14th May, 1954

UR 1954/78

*No 3 Dam Site Don River*MEMORANDUM:

On 5th instant I visited the No. 3 Damsite on the Don River where Devonport Council Employees are engaged in sinking holes along the proposed line of the Dam. Unfortunately few of the holes had been sunk to bedrock and one that had gone to the solid rock had nearly filled with water. These holes will all have to bottom on solid rock as otherwise the depth of talus, particularly on the east side of the river cannot be determined.

The rock itself on which the dam would have to be constructed is a sheared or schistose conglomerate underlying the more massive West Coast Range Conglomerate. While not as strong or massive as the latter rock it is not a weak rock and is itself impervious to water.

I did not find any sign of faulting in this locality and the structure is a north plunging anticline with the axis probably between number four and five holes.

While this rock may be described as a schistose conglomerate, the lower members, as exposed in No. 4 hole become poorer and poorer in pebbles and in places the rock is nearly all matrix.

Underlying these conglomerates and exposed further up the river are a series of slates and silicified tuffs, which are also impervious rocks.

I am enclosing a sketch section of the dams site which should be read in conjunction with plan 1287-37.

Will you please advise Mr. J.L.B. Fowler of these opinions.

Sgd. Terence D. Hughes

GEOLOGIST

The Director of Mines,
HOBART.