

Slope stability at Freshwater Point.

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The Town and Country Planning Commission has requested an examination of the stability of the proposed subdivision at Freshwater Point.

The entire area is covered with Tertiary sediments with the exception of a tidal flat which is of Quaternary age. The composition of the sediments varies considerably over short distances and ranges from almost pure clay to a mixture with a high content of gravel and silt. There are several small, shallow landslips situated on fairly steep slopes in the area. The land is slipping or has previously slipped downhill on Lots 3, 4, 5 and 6. Further slips occur in the orchard just outside of Lot 16. The area indicated on Figure 1 is not recommended for development.

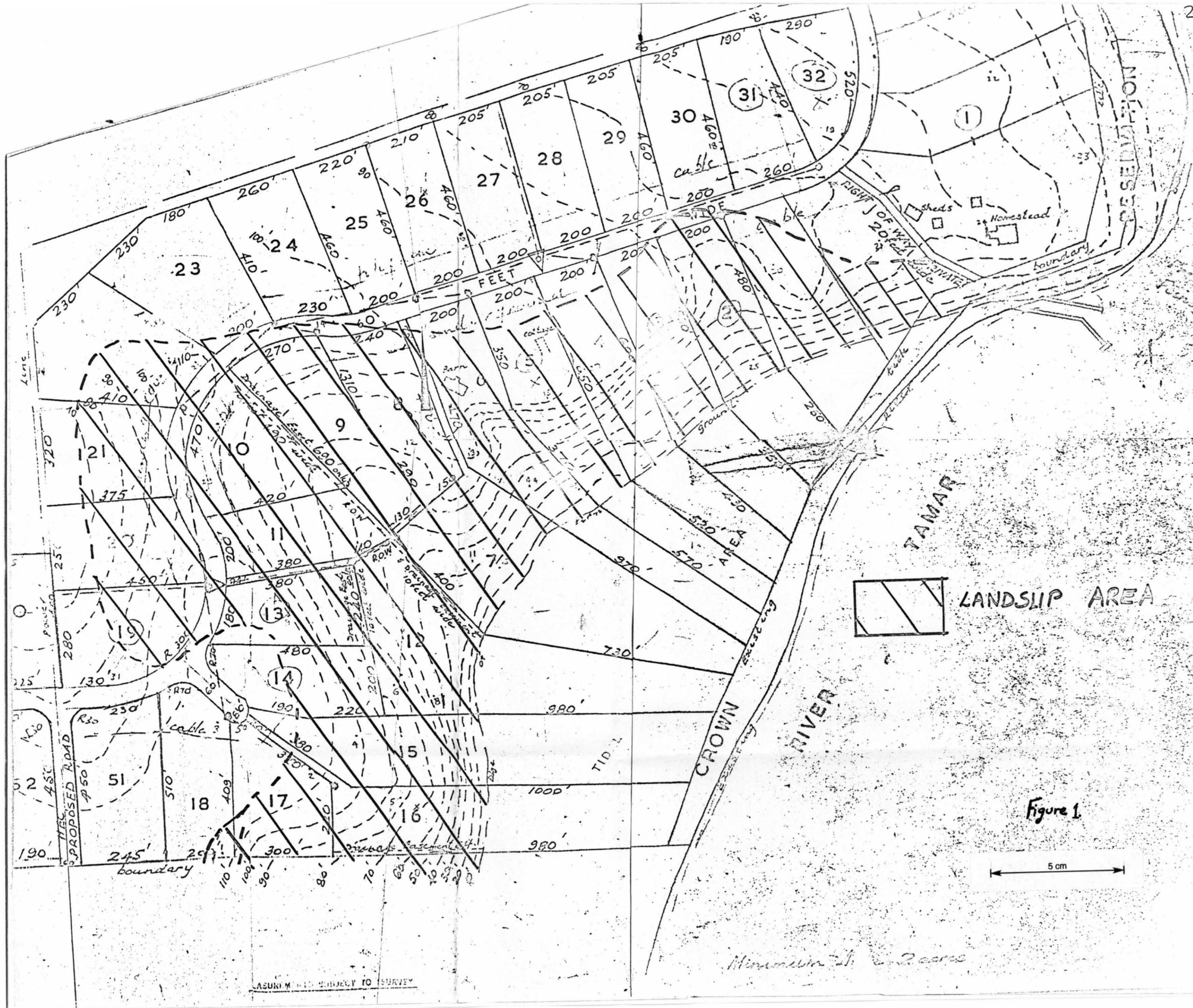
Small trial pits excavated by back-hoe may provide further geological information and possibly reduce the extent of the condemned area. Such pits should only be dug under geological supervision as new sliding could be induced if they are not carefully sited.

The land outside the condemned area should be drained and deep road cuttings on the slopes avoided. In general, houses should be situated on the flattest part of every block and well away from the crest of the slope.

REFERENCE

MATTHEWS, W.L. 1967. Stability of block of land - Rosevears. *Tech.Rep.Dep. Mines Tasm.* 12:115-116.

[12 July 1971]



LANDSLIP AREA

Figure 1

5 cm

Minimum 200' 2 acres

ASUN M... SUBJECT TO SURVEY