

S.E.

PART OF DUNEED

COUNTY OF GRANT

No 28

28. NE.



The entire area colored red is occupied by ferruginous sands clays and quartz conglomerates of the Pliocene tertiary period probably at no point thicker than 100 ft.
The Lava no doubt extends under it for some distance. South of the marked boundary in the North West corner of the sheet; the underlying formation in other parts will be Miocene Tertiary except where locally the Carbonaceous Rocks might be reached without its intervention.

- Note**
- From the mouth of Spring Creek to the Bird Rock a thickness of 231 ft of Miocene tertiary strata are exposed in fine cliff sections. The sequence of beds is as follows:
- Upper Miocene
 - 80 Hard thin bedded sandy limestone the calcareous portion consisting almost entirely of corals the probable equivalent of the *M. laticosta* series described by the Hon. J. Lucas Woodhouse
 - Middle Miocene
 - 80 Soft brown sandy clay
 - 30 Brown blue & yellow sandy clays containing abundance of gypsum
 - 1 Very hard crystalline sandstone
 - 12 Brown sandy clay poor in gypsum
 - 1 Very hard crystalline sandstone
 - 5 Brown sandstone containing abundance of gypsum
 - 10 Blue marl containing septaria gypsum & iron pyrites. This stratum is impermeable by water and therefore affords the conditions necessary for artesian wells where the strata are found inclined though in the neighbourhood would probably be useless if being saturated with sulphate of lime and highly impregnated with salt.
 - 8 Friable thin sandstone with thin bands of gypsum
 - Lower Miocene
 - 1 Very hard band of crystalline sandstone
 - 4 Soft brown sandstone with thin bands of harder material.
 - 13 Soft brown sandstone.
 - 20 Thin bedded brown sandstone.
 - 21 8 Blue & grey friable sandstone.

P.A.R.A.

29 S.W.

PART OF JAN JUC

52 NE

PART OF BASS' STRAIT

Printed at the Mining and Geological Department, Government Printing Office, Melbourne, by E. Finnie & J.M. Ferguson.

Surveyed, Engraved and Published under the direction of Alfred R.C. Selwyn, Geologist at the GEOLOGICAL SURVEY OFFICE MELBOURNE.

Geologically Surveyed by R. Dainton, Field Geologist, 1892, assisted by C.S. Wilkinson. Outline & Writing, Engraved by Brown & Sigbee, Melbourne, Lithographed by E. Gilks. Published 1893.

Scale Two Inches to a Mile.

<p>Alluvial</p> <ul style="list-style-type: none"> A1 Sand A2 Clay & Mud A3 Gravel Recent gold drift 	<p>Post Pliocene</p> <ul style="list-style-type: none"> P1 Sand P2 Clay & Mud P3 Gravel & Conglomerate (Cement) 	<p>Miocene</p> <ul style="list-style-type: none"> M1 Sandstone M2 Clay & Shale M3 Gravel & Conglomerate (Cement) 	<p>Upper Volcanic (Pliocene)</p> <ul style="list-style-type: none"> V1 Basalt Dolerite V2 Basaltite V3 Lava V4 Ash Conglomerate Breccia &c.
---	--	---	---

Recent fault drifts
 Anticlinal line
 Parish boundary
 Locality and mark of Specimen in the Museum (M^o)
 Station from which Photographic View taken by R. Dainton, Field Geologist.