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Note 2

Quarries in thin bedded sandy Limestone probably the uppermost beds of the Miocene Tertiary series.

Note 3

Quarries in fresh water Limestone of 7 f. Marly clay 10 f. Ferruginous sandy clay 3 f. 6 in Thin bedded Limestone

7 f.t very compact do. 6 f.t Rubbly thin bedded ferruginous poor Limestone on Miocene Tertiary sandy marl

Note 4

Cliffs of soft brown sandy marl, representing part of the upper strata of the Miocene Tertiary series: beds with identical fossils and similar Eithological character occur and similar Lithological character occur at Spring C* 16 Miles south of Geelong, and are there underlaid by 200 to 250 for days marks etc. of the same geological age. It is probable that an equal-thickness of strata would be found in this locality, and also under the area occupied by Corio Bay.

Note 5

Cliff section. Our section.

15 t Basalt

10 t loose sand

70 f Red yellow, brown and grey marks,
class, and sands containing abundance of
fossils of the Miocene Tertiary period.

Note 6

The Miocene Tertiary sandy marts, days, sand, and limestones underlie this area, but are more or less thickly covered with Pliocene

From the Anticlinal Axis, marked on the Map as passing near M^s Thomas's Shaft on the Bararboot Hills, to the Junction of Noble and Packington St^s Newtown, a series of sandstones, shales and conglomerates, of the Carbonaceous Mezezois period occur, the average direction of the dip over this area is E.30 S. at an inclination dip over this area is E.30 S at an inclination of 1 in 4; taking the distance between these points as 4000 Kd² it will be evident that 3000 ft⁴ of Carbonaceous strata crop out at the surface over this areasthehaghest beds will of cotirse be found in Newtown and Alubedl, the lowest beds near M² Thomass Shaft; it is highly probable that this part of the Carbonaceous series has been tested for Coal in the Bellevine bores, since an intermediate Synclinal Axis exists in the low ground between Kensongton & Geology; low ground between Kensington & Geelong; and the Bararbool Hills sandstones and and the Bararbool little sandstones and shales are a recurrence to the surface of those bored through at Bellerine. It will be seen on reference to the Map that great dislocation of the strata has taken place to the westward of Mrs. Thomass Shaft.

Note 8

The banks on either side the River at this point are occupied by Limestones of the Mocene Tertiary group, composed almost entirely of fragments of Polyzou, the Ferentiage of earthy matter in it is very small and it would affired excellent time for building purposes.

Fold is reported to have been found here a few f^t from the surface Dec 1861; all the Shafts sunk shew about 6 f^t of Older abounding in Miocene Tertiary fossils: the thickness of this Miocene is uncertain, it probably rests on Granite, so that the conditions for a Gold Eield are entirely wanting, the fact that a few grains of alluvial gold may generally be found in the Older Pliocene Tertiary Conglomer even at a distance of 50 Miles from a Quartz Reef, will account for the finding of small quantities of Gold both here and in Chilwell.

Note 10

Small quantities of Gold have been found in the Older Pliocene Tertiary drifts on the flanks of Nevtown Hill, also in the Newer Pliocene Tertiary Quartz drift of Chilwell flat which there rests on the Basalt: in the one case the bottom would be the Carbonaceous Rocks in the other the Basalt: the nearest known Silurian slates and sandstones with Quartz Reeks saues and sanasones who quire hees being the Strightz Ranges; the chance of these drifts containing payable fold is very small indeed; the Conglomerate of the Dog Rocks being nearer the source of the Gold, should afford even more legitimate prospect for the Miner.

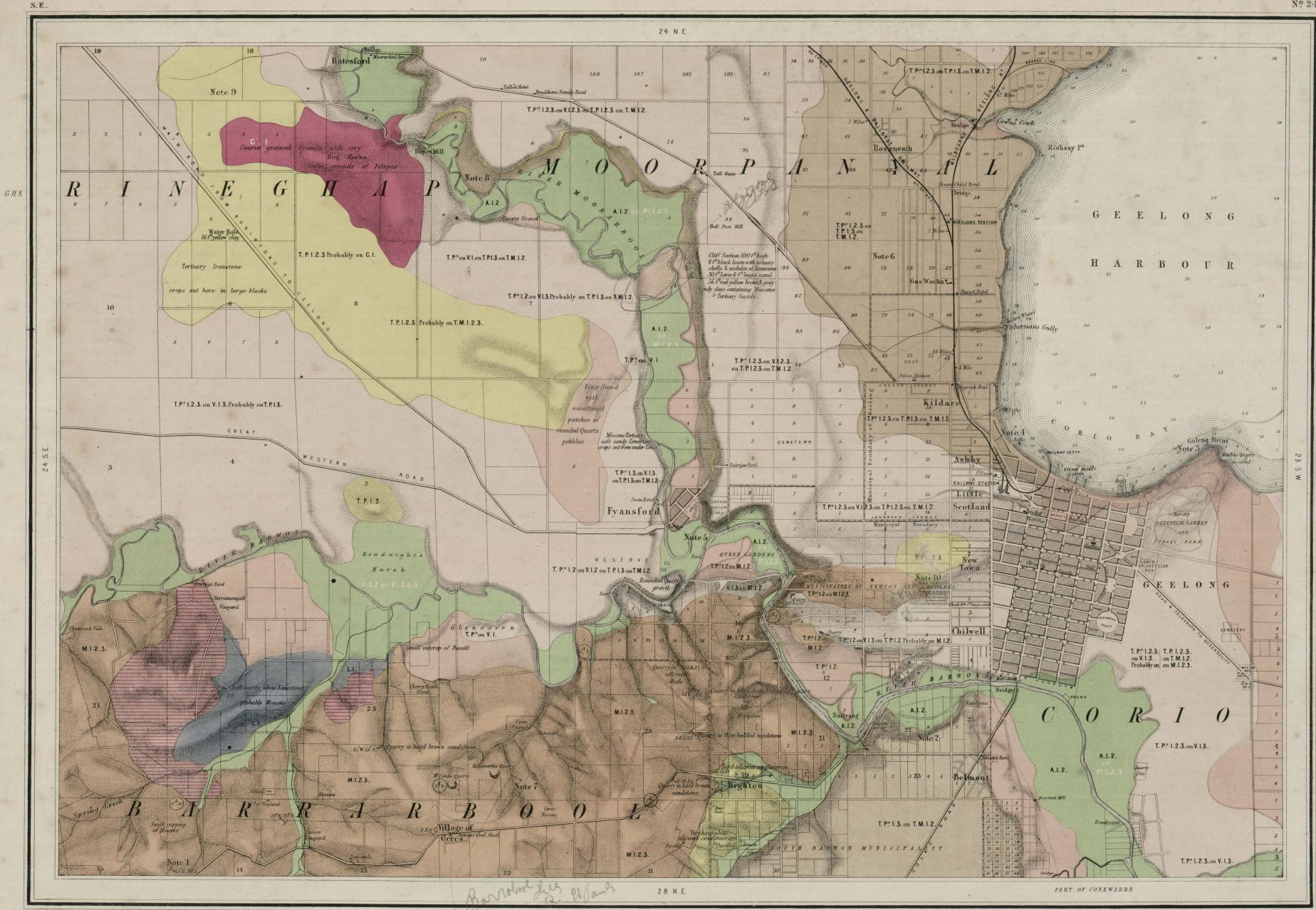
GEOL

Geologically Surveyed by Richa Daintree, Field Geologist. 1861. assisted by U.S. Wilkinson.

Deposits of sand day & gravel of the age of the upper fold drifts 'Diluvial' or Post Pliocene occur at intervals along the course of all the valleys. These deposits are frequently out through & redistributed by existing river action during floods forming Alluvial. A.1.2.3.

Outline & Writing, Engraved by John L. Ross . Hills Lithographed by Rich & Shepherd

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Note. The Outline Compiled by J. Wilkinson, from Originals in the Surveyor Generals Department.

Dip 1 Anticlinal line + Morizontal beds Coal beds Locality and mark of Specimen in the Museum (Ra 10) Heights in feet are above Low Water mark in Hobsons Bay Parish Boundary



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Newer Marine & Flemington & Upper T P 1 Sandy beds
Brighton beds
Middle Gold drift T P 3 Gravel & Cong

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