S.E.

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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 bodded Limestone 7 ft very compact do. 6 ft Rubbly thin bedded ferruginous poor Limestone on Miocene Tertiary sandy mart.

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 t 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 Carbonaceons Mezezon a series of sahastones, spaces and conalomerates of the Carbonaceous Merezoic period occur, the average direction of the dip over this area is E 30 S at an inclination of 1 in 4; taking the distance between these points as 4000 th? it will be evident that 3000 th of Carbonaceous strata crop out at the surface over this area; the highest beds will of cotuse be found in Newtwen and Chilwell, the lowest beds near M**Shomass Shaft: it is highly probable that this part of the Carbonaceous series has been tested for Coal in the Bellerine bores, since an intermediate Synctinal Axis exists in the low ground between Kensington & Geelong; and the Bararbood 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 M**.

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 tragments of Polyzou, the Personal and it would affire 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 Possils the thickness of this Miocene is uncertain, it probably rests on Granite, so that the conditions for a Gold Held are entirely wanting; the fact that a few grains of alluvial gold may generally be found in the Older Pliocene lertiary 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

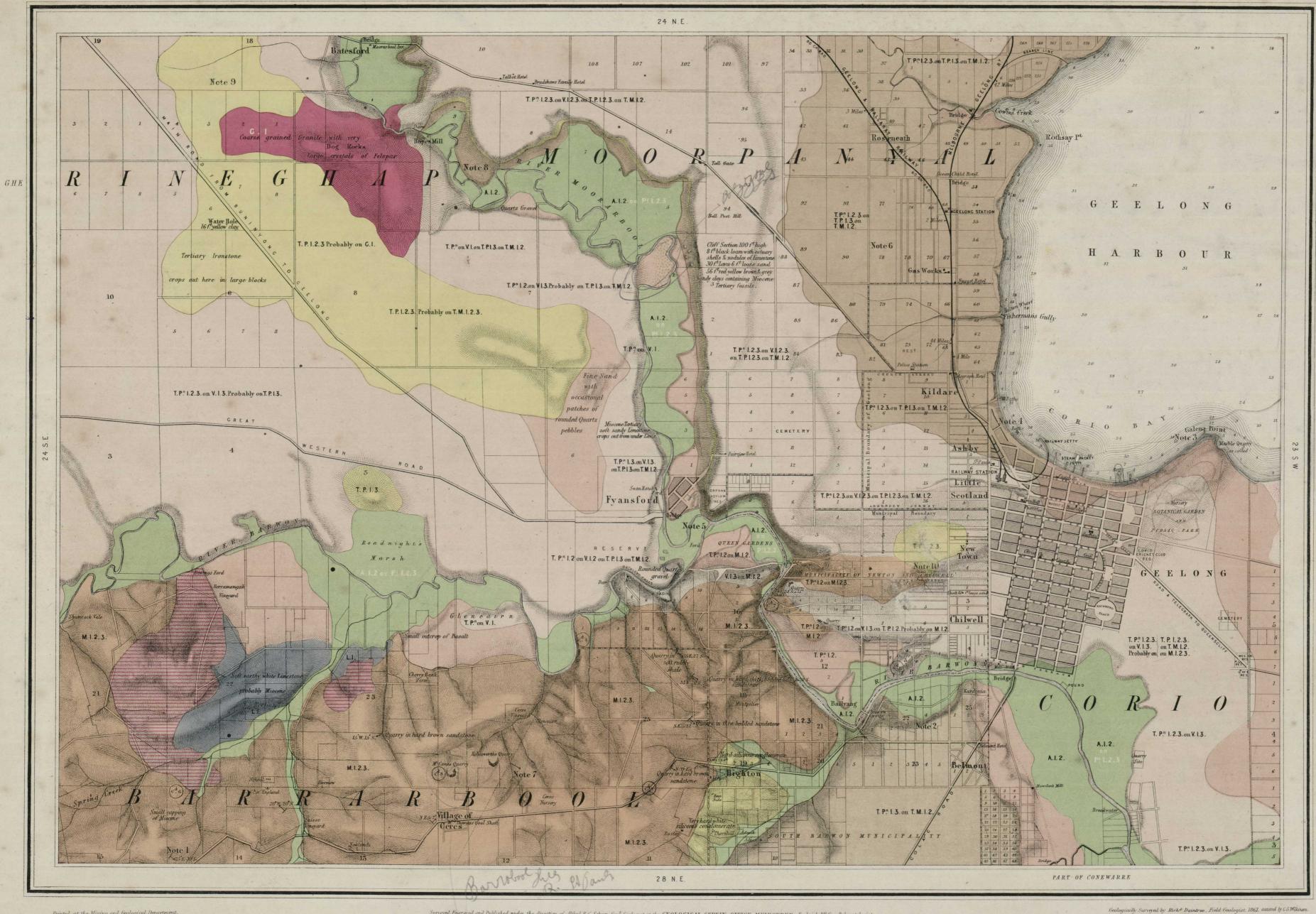
Small quantities of Gold have been found in the Older Placene Tertiary drifts on the Flanks of Nevtown Mill, also in the Newer Placene Tertiary Quartz drift of Chilwell flat which there rests on the Basalt: in the one case the bottom would be the Carbonaceous Rocks: in the other the Basalt: the nearest known. Silurian slates and sandstones with Quartz Reefs being the Strigitz Runges: the chance of sauces that sanisations were quark neers being the Strightz Ranges; the chance of these driths containing payable field 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

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

Published 1863.

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 cut through & redistributed by existing river action during floods forming Allievial A.1.2.3.



24S.E

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Scale - Two Inches to a Mile.

Newer Marine & Flemington & Upper T P° 1 Sandy beds
Pliocene Freshwater

Middle Gold drift T P° 3 Gravd & Cong

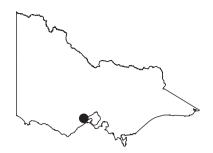
Surveyed Engraved and Published under the direction of Alfred B.C. Sebryn Gorf. Geologist at the GEOLOGICAL SURVEY OFFICE MELBOURNE. Frederick M. Cog. Palacontologis

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

Dip | Anticlinal line | Synchral line + Horizontal beds Coal beds Locality and mark of Specimen in the Museum (12 10) Heights in feet are above Low Water mark in Hobsons Bay Parish Boundary

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Quarter sheet 24SE Geelong (Daintree, 1861)

The area around Geelong was geologically important to Victoria in the mid-19th century—not for gold, but as a source of building stone which was in high demand in the decades after the gold rushes.

Daintree's map shows numerous basalt and sandstone quarries, together with a scattering of vineyards on the northern slopes of the Barrabool Hills.

The reserve for an orphan asylum at Fyansford gives an insight to the social policies of the time.