2482

522

5 cm

| DEPTH IN FEET | LOG | BEDS & HORIZONS | LITHOLOGY |
|---|---|---|---|
| 0' – 1' | | 1' Soil Layer | Sandy silty dark loam soil, very similar in colour and texture to the underlying beds. |
| 1' – 2' | | 1" Fine sandy silts with dark grey - colour. | Similar to material in the underlying bed except finer grained |
| 2' – 3' | | 2' Dark grey to black sandy silts & muddy sands | Dark grey to black sand silts, with high % of organic material, is thought to be infill because of its high organic content and no gradual increase in organic content with lighter material above & below. No definite division visible between this bed & the underlying & overlying material |
| 4' – 5' | | 16" dark grey to dark brown mottled silty sands and fine sands | This bed of silty sand is variable in composition & colour with dark brown sands with a high % of organic material mixed with light brown quartz ferruginous clean sands with low percentage of organic material. Size of sands, variable, with fine sands to silts present |
| 6' – 7' | | 12" fine gravel bed of pebbles | Gravel bed composed of small pebbles with an average size <½". The matrix of the gravels is grits & coarse sands. The matrix forms a high % as compared with the pebbles. The pebbles are well rounded, spherical in shape & composed of dolerite, siltstones & quartz. |
| 8' – 10' | | 36" Coarse River Gravel bed of unweathered dolerite boulders | Gravel bed contains constituents of all sizes from boulders to coarse sand, but the gravel would appear to be bi-modal with boulders & pebble sizes most abundant. A poor grading is present in the gravels with the largest boulders tending toward the base of the bed. The largest boulder measured was 11"x10". Small pebbles & coarse sands form the matrix of the gravel. This matrix is a dark brown colour and would appear to have a high organic content. The large boulders are poorly rounded with variable shapes and appear to be composed of dolerite. The smaller cobbles and pebbles are well rounded and are composed of dolerite, Permian siltstones as well as rare quartzites. This coarse pebble bed grades up into the overlying bed with no apparent break |
| 11' – 13' | | 36" Light green to green blue clay. with minor ferruginous sands interfillings & patches | Light green to green blue clays form the dominant constituent of this horizon but minor patches and infillings of ferruginous sands occur within the clays & deeply weathered cores of dolerite pebbles are found in the ferruginous sands. Fresh dolerite cobbles of an average size of 3" are occasionally found in the clays. The contact between the overlying gravels and these clays is abrupt & sharp. |

# SOUTHERN OUTLET ROAD

## EXPLORATORY TRENCH No 4.

Situated in the West side of Lynton Ave on the N.E. Bank of the Sandy Bay Rivulet.

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|---|---|
| DEPARTMENT OF MINES TASMANIA | |
| DATE Oct 1964 | Scale 0 ½ 1 1½ FEET |
| GEOLOGIST W.R. Moore | SURVEYOR |
| DRAUGHTSMAN J.S. Pepper | MAP SHEET & No HOBART 82. |
| REVISIONS | FILE No 2482. |