

AGE	FORMATION	GRAPHIC	FLUIDS	LITHOLOGIC DESCRIPTION
QUATERNARY	---		Fresh water	200ft: Sand, silt, clay. NON-MARINE
U. PLIOCENE	HAUNTED HILL GRAVELS			200ft: Gravel, sand, clay. NON-MARINE
L. PLIOCENE	JEMMY POINT FM.		Fresh water, artesian	400ft: Friable shelly ss, sandy marl, bryozoa. MARINE
U. MIOCENE	TAMBO RIVER FM.			200ft: Interbeds marl & skeletal ls. MARINE
MIOCENE	CIPPSLAND LIMESTONE		Rarely porous: freshwater Very minor traces in: ● * Merriman-1 Pelican Pt.-1 Woodside-2	1800ft: f.g. fossiliferous ls, Marl, fossiliferous, soft, w. bryozoa & forams; ls lenses; glauconitic. MARINE
OLIGOCENE	LAKES ENTRANCE FM. (Glauconitic ss)		Where ss present at base, fresh water aquifer. ● 16° oil Lk. Entrance w. minor methane; freshwater	800ft: calcareous, glauconitic, soft shale; marl. MARINE Locally at base 80ft. glauc. ferrug. ss. MARINE
U. EOCENE	(Colquhoun gravel)			Locally at top: 200ft: sand, clay, pebbles, w. marine fauna.
M. EOCENE	LATROBE VALLEY COAL MEASURES		Fresh water common: sands are clean, coarse, permeable. In this fm., S.P. log commonly "reversed" because water fresher than drilling mud.	2400ft: poorly sorted, angular, soft sands w. much brown coal; lignite, clay, rare thin marine interbeds, traces dolomite; NON-MARINE Coal percent changes regionally, e.g.: Hollands' Landing-1 = 9% Wellington Park-1 = 21% No. Seaspray-1 = 32%
PALEOCENE ?	NARRACAN GP.		Porosity rare, but "saline" water reported in Woodside-1 at 3680-3930	Locally at base in west only: basalt & tuff on gravel, sand, clay, thin coal. NON-MARINE
LOWER CRETACEOUS and JURASSIC	OTWAY (STRZELECKI) GP.		50-100 MCFD est. at North Seaspray-1; E-log suggests water 3000 ppm sal. Permeabilities very low, average 1 md, porosities up to 30%. In Merriman-1, tested sal. 16,850ppm at 5774-6005.	Locally at top, 200-400ft. of subgreywacke or coarse qtz. grit; characteristically very kaolinitic, carbonaceous, softer (weathered?) than typical Otway below. NON-MARINE Over 8,600ft: Dense, lithic greywacke, feldspathic ss, siltstone, mudstone, carbonaceous shale, black coal & fossil plants; occ. calcareous concretions & calcite veining; dips up to 30° common. NON-MARINE

SIMPLIFIED COLUMNAR SECTION OF POST-PALEOZOIC ROCKS IN THE GIPPSLAND BASIN

DEPT. NAT. RES & ENV



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SHOWING

MAXIMUM THICKNESSES ONSHORE

SCALE 1" = 1000 ft.

DRAFTED M.F. WEETMAN

FIGURE 3