

COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF NATIONAL DEVELOPMENT

BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

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THE GEOLOGY OF THE CANNING BASIN, WESTERN AUSTRALIA

BY

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MISSISSIPPI

— PLATE 1—Geological Map of the Canning Basin.
Scale 20 miles to 1 inch.

PLATE 2—Structural sketch-map of the Canning
Basin. Scale 20 miles to 1 inch.

PLATE 3—Topography of the Canning Basin and off-
shore sea floor.

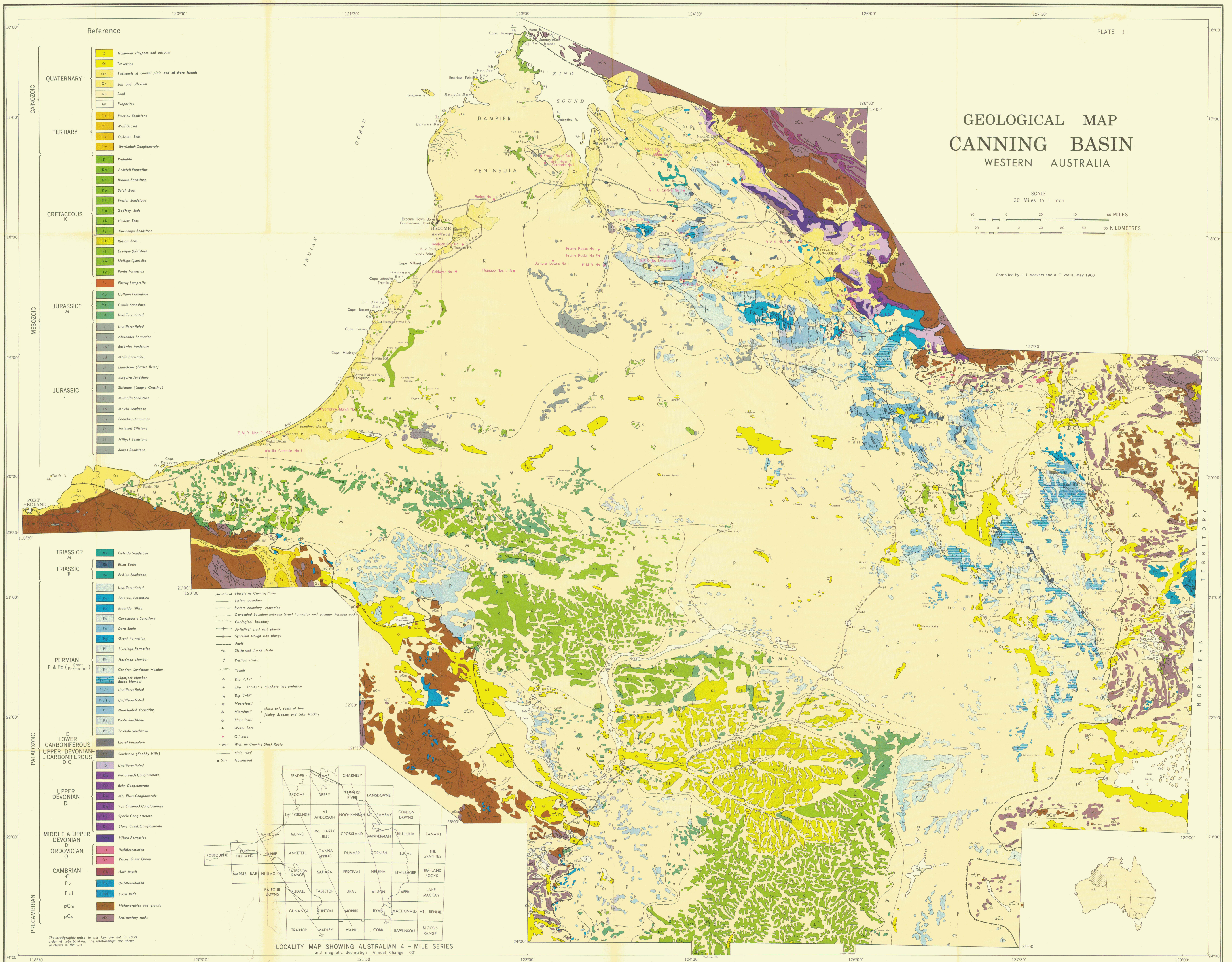
PLATE 4—Symbols used in columnar sections.

Reference

PLATE 1

GEOLOGICAL MAP
CANNING BASIN
WESTERN AUSTRALIASCALE
20 Miles to 1 Inch20 0 20 40 60 MILES
20 0 20 40 60 KILOMETRES

Compiled by J. J. Veivers and A. T. Wells, May 1960



LEGEND

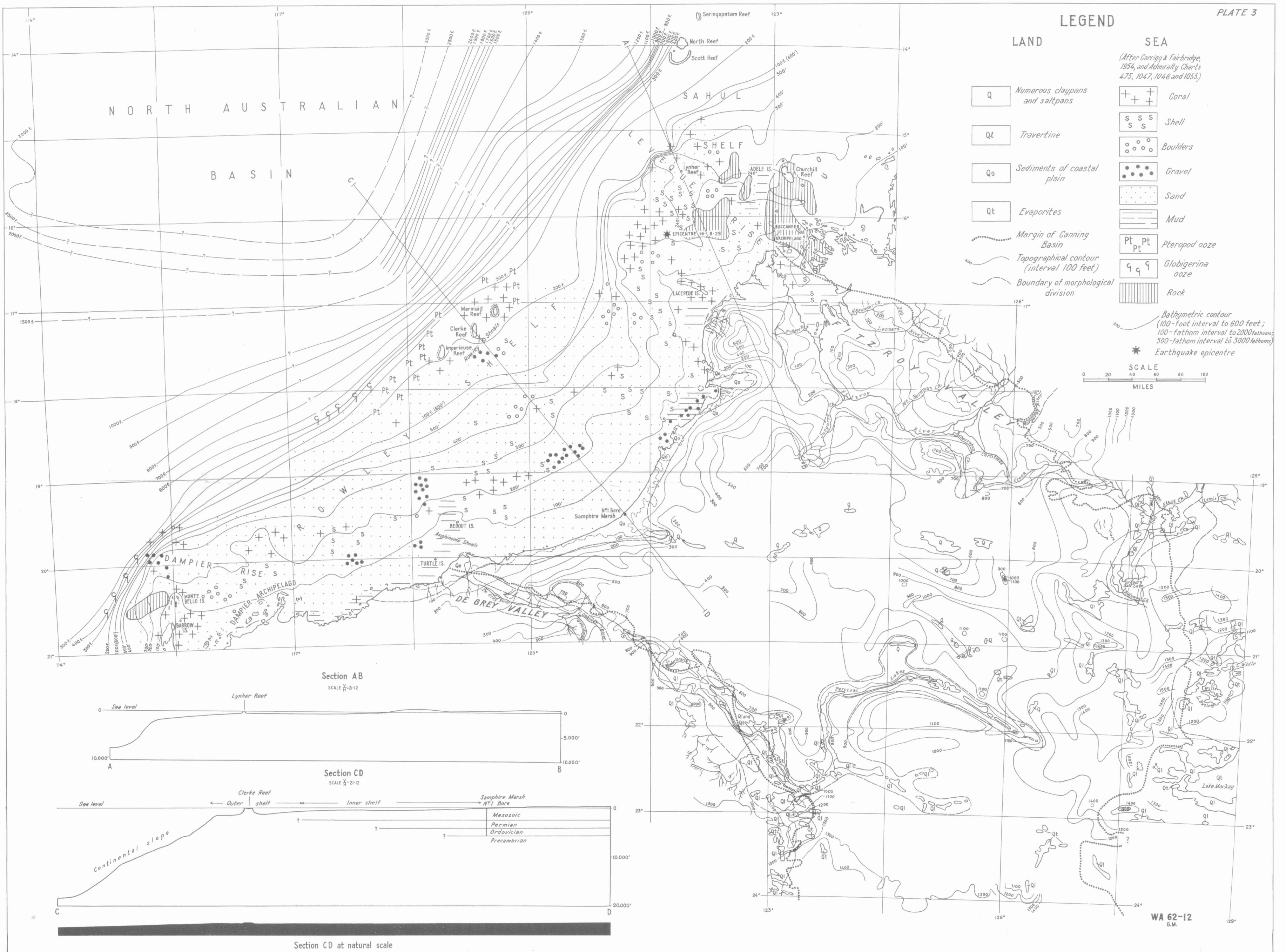
LAND

- Q Numerous claypans and salt pans
- Ql Travertine
- Qo Sediments of coastal plain
- Qt Evaporites
- Margin of Canning Basin
- Topographical contour (interval 100 feet)
- Boundary of morphological division

SEA

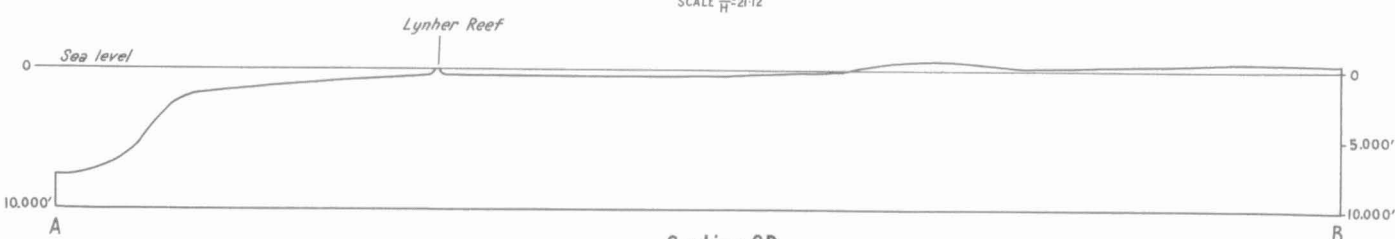
(After Garrigay & Fairbridge, 1954, and Admiralty Charts 475, 1047, 1048 and 1055.)

- ++ Coral
- SS Shell
- ooo Boulders
- Gravel
- Sand
- Mud
- Pt Pt Pteropod ooze
- G G Globigerina ooze
- Rock
- Bathymetric contour (100-foot interval to 600 feet; 100-fathom interval to 2000 fathoms; 500-fathom interval to 3000 fathoms)
- * Earthquake epicentre



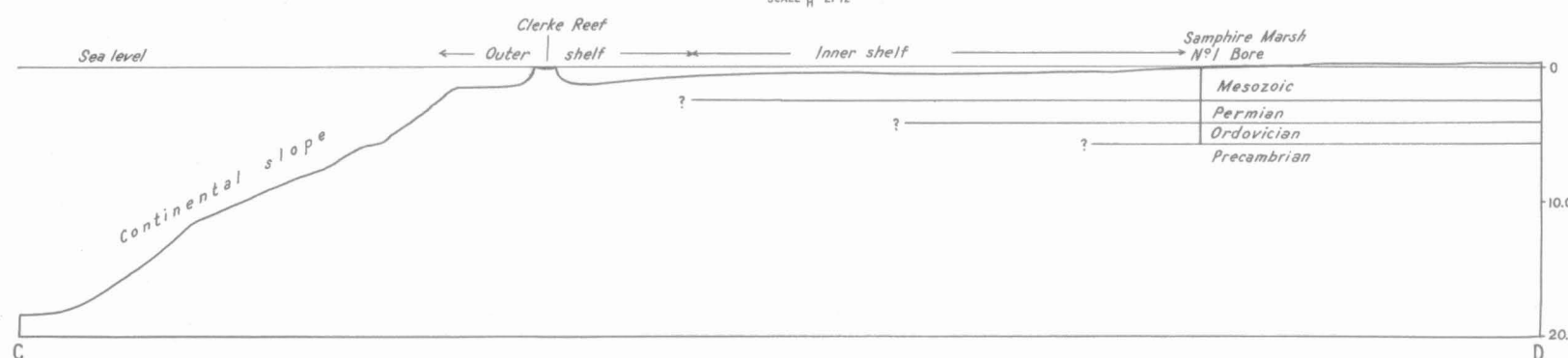
Section AB

SCALE 1/2" = 21-12



Section CD

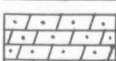
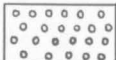
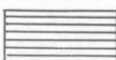
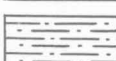
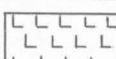
SCALE 1/2" = 21-12



Section CD at natural scale

SYMBOLS USED IN COLUMNAR SECTIONS

Plate 4.

	Sandstone	<i>calcareous</i>	Calc	Bedding Structures	
		<i>dolomitic</i>	Dol	<i>Very thick</i>	
	Limestone	<i>siliceous</i>	Si	<i>Thick</i>	
		<i>ferruginous</i>	Fe	<i>Medium</i>	
	Sandy Limestone			<i>Thin</i>	
	Dolomite			<i>Laminate</i>	
		Minor Minerals		<i>Cross bedded</i>	
	Sandy Dolomite	<i>Pyritic</i>	Py	<i>Graded bedding</i>	
		<i>Glauconitic</i>	Gl	<i>Scour & fill</i>	
	Conglomerate	<i>Micaceous</i>	Mi	<i>Undulate</i>	
		<i>Carbonaceous</i>	C	<i>Slumped</i>	
	Coarse Sandstone or grit(g)	<i>Kaolinitic</i>	Kl	<i>Ripple marks wave</i>	
		<i>Gypsum</i>	Gp	<i>Ripple marks current</i>	
	Greywacke	<i>Water</i>	W	<i>Trails</i>	
	Shale				
	Claystone	Grain Size		<i>Concretions</i>	
		f — <i>fine</i>		<i>Oolites</i>	
	Siltstone	m — <i>medium</i>		<i>Pisolites</i>	
		c — <i>coarse</i>			
	Sandy Siltstone				
	Calcareenite			<i>Megafossil</i>	
	Coquinite			<i>Microfossil</i>	
	Breccia			<i>Plant fossil</i>	
	Arkose				
	Erratics				