





設計, 施工*1

Industrial Port Development at Leyte in the Philippines

Light buoy



220 m

165 m

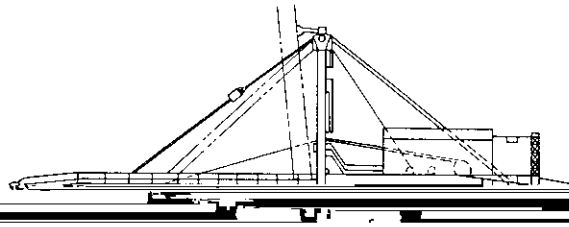
110 m

110



110 m





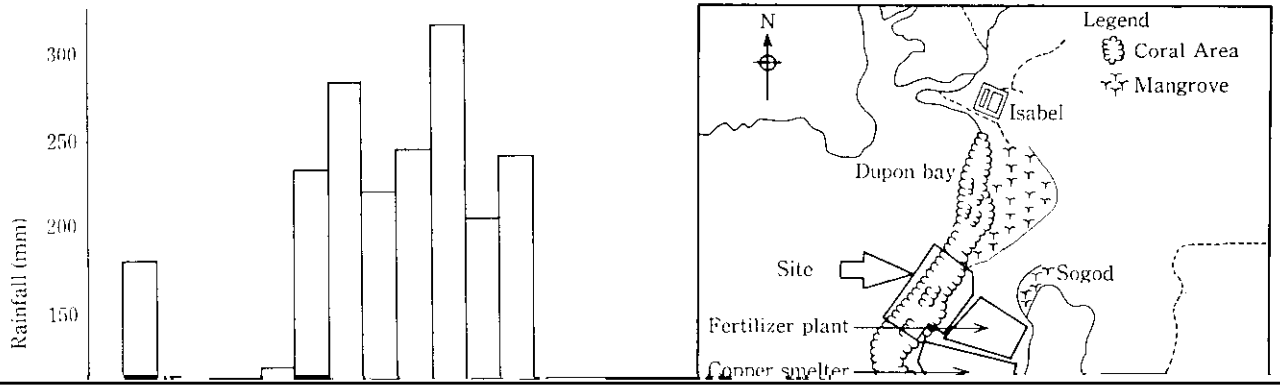


Table 2 Quantities of major items of wharf construction

Location	Description	Quantity	Remarks
Berth No. 1	Interlocked steel pipe pile	210 pcs	ϕ 1 200, t 14, $L=23.0-33.0$ m
	Steel pipe pile	116 pcs	ϕ 318.5, ϕ 500, ϕ 800; $L=23.5-30.0$ m
	Steel sheet pile	893 pcs	KSP II, KSP VA, KSP VI; $L=5.0-19.0$ m
	Concrete	6 470 m ³	
Berth No. 2	Interlocked steel pipe pile	151	ϕ 1 200, t 14, $L=23.0-33.0$ m

Table 2 Operation records of Road No. 11

Road No. 11	
Year	Operation records
1951	
1952	
1953	
1954	
1955	
1956	
1957	
1958	
1959	
1960	
1961	
1962	
1963	
1964	
1965	
1966	
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2012	
2013	
2014	
2015	
2016	
2017	
2018	
2019	
2020	
2021	
2022	
2023	
2024	

(2) 壁高に比べて壁幅が大きく、壁幅が壁高の2倍近い。

and frequency by microtremor sensor

Damping ratio

- $\zeta = 0.025$
- $\zeta = 0.050$
- _____ $\zeta = 0.075$

