


Data Summary

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Site Name	ASI-13		
Lake Name	Laguna de Bay (Lake Bay)		
State	Rizal and Laguna Provinces, Luzon		
Country	Philippines		
Latitude	14:0N		
Longitude	121:1E		
Altitude [m]	1.8		
			Photo : K. Oya
Surface area [m ²]	900,000,000	Volume [m ³]	3,200,000,000
Maximum depth [m]	7.3	Mean depth [m]	2.8
Water level control	Regulated	Normal range of annual water level fluctuation [m]	-
Length of shoreline [m]	220,000	Residence time [yr]	-
Catchment area [m ²]	3,820,000,000	Hours of bright Sunshine [hr yr ⁻¹]	2,103
Solar radiation [MJ m ⁻² day ⁻¹]	22.5	Freezing period	None
Mixing type	Polymictic	Annual fish catch [t yr ⁻¹]	120,000
Total N loading [t yr ⁻¹]	3,942	Total P loading [t yr ⁻¹]	942

Population	2,381,300	Population density of catchment area [person km-2]	712.7
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WATER USAGE

Domestic water usage [m3 sec-1]	-	Irrigation water usage [m3 sec-1]	-
Industrial water usage [m3 sec-1]	8.91	Power generation usage [m3 sec-1]	46.3

LAND USE

Natural landscape [%]	41	Agricultural land [%]	52	Others [%]	6.5
Siltation	-	Toxic Contamination	-		
Eutrophication	Serious	Acidification	Not Serious		

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