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Drainage A	rea of 18	Major R	liver Ba	asins
in the Phili	ppines			

Number	Name of River Basin	Drainage (sq. km.)	
1	Cagayan	27,753	
2	Mindanao	23,169	
3	Agusan	11,937	
4	Pampanga	10,434	
5	Agno	5,952	
6	Abra	5,125	
7	Pasig-Laguna	4,678	
8	Bicol	3,771	
9	Abulug	3,372	
10	Tagum Libuganon	3,064	
11	llog-Hilabangan	1,945	
12	Panay	1,843	
13	Tagoloan	1,704	
14	Agus	1,645	
15	Davao	1,623	
16	Cagayan de Oro	1,521	
17	Jalaur	1,503	
18	Buayan-Malungan	1,434	
TOTAL		112,473	
37.50 % of the total land area of the Philippines			







Water	Mana	agement T	ypology	
Туре	Area Extent	Administrative Coverage	Institutional Coordinating Agency	Type and Scope of River Basin/Watershed Management Plans
	Nation	Whole Country	National inter-agency basin resources management forum/ national river basin management body	Coordination and prioritization of the different levels of basin management within a national strategy framework
River Basin	Over 1000km ²	Typically the topographic boundaries would include land occurring within 3 or more provinces and 2 or more regions	River Basin Organization (RBO)/Authority that is inter-regional in extent	Plan aimed at broad sector development planning, and land use zoning. Identification of degraded and/or economically important medium to large watersheds within the river basin. Identification of medium-large areas in need of protected area status.
Large Watershed	500-1000 km ²	Typically the topographic boundaries would include land occurring within 3 or more provinces and at least one but no more than 2 regions	Regional level watershed management council that is inter-provincial in extent	Plans aimed at identifying broad land use zones and areas (small to medium watersheds) where there is a need for improved watershed management. Identification of small-medium areas in need of protected area status.

Water Management Typology					
Туре	Area Extent	Administrative Coverage	Institutional Coordinating Agency	Type and Scope of Basin Management Plans	
Medium Watershed	100-500 km²	Typically the topographic boundaries would include land occurring within at least one but no more than two provinces	Provincial level watershed ma	Plans aimed at identifying areas within the watershed where ther is a need for field level activities Implementation plan targets activities only on the critical part of the watershed.	
Small Watershed	10-100 km ²	Typically the topographic boundaries would fall within one province and include land occurring within one or more municipalities	Provincial/ municipal level watershed management council/ committee	Plans aimed at field level implementation of improved watershed/ land management interventions. Plan covers the whole (or most of the) watershe and adjacent land of the participating communities.	
Micro Watershed	Under 10 km ²	Typically the topographic boundaries would fall within one municipality and include land occurring within one or at most two	Municipal/ Barangay community level watershed management council	Plans aimed at field level implementation of improved watershed/ land management intervention. Plan covers the whole watershed and adjacent land of the participating community	











The Philippine Clean Water Act 2004 (Republic Act No, 9275)

designate certain areas as water quality management area appropriate physiographic units such as watershed, river basins or water resources regions

similar hydrological, meteorological or geographic conditions which affect the physiochemical, biological and bacteriological reactions and diffusions of pollutants in water bodies or otherwise share common interest or face similar development programs, prospects, or problems

















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Establishment of Water Quality Monitoring Stations

Monitoring Stations

- 6 Stations Along Iloilo River (all in Iloilo City)
- 4 Stations Along Batiano River
- 3 Stations Along Calajunan Creek
- 2 Stations Along Dungon Creek
- 1 Station in Mambog Creek



Identification, Collection and Analysis of Water Quality Parameters

Parameters Analyzed

Biochemical Oxygen Demand, pH, Total Dissolved Solid, Total Suspend Solid, Dissolved Oxygen, Color and Temperature



Any effort to effectively and efficiently manage water quality of any water bodies can be achieved through river basin as a planning unit.

The stakeholders and institution play major role in achieving effective water quality management using basin approach.



