

Land Degradation Assessment Worksheet

Name of Observer: _____

Date of Observation (yy-mm-dd): _____

Geographic Coordinates: Latitude _____ Longitude _____

Site Location	Sheet Erosion ¹				Rills & Guillies ²				Pedestals		
	none	slight	mod	sev	none	slight	mod	sev	none	few	many
General Land Use Description (agriculture, housing etc.)											
Other Observations (irrigation use, solid & liquid waste, land clearing activities, etc.)											

¹ Sheet Erosion	
Severity	Description
No Sheet Erosion	No visual indicators of sheet erosion
Slight	Some visual evidence of the movement of topsoil particles downslope through surface wash; no evidence of pedestal development only a few superficial roots exposed.
Moderate	Clear signs of transportation and deportation of topsoil particles downslope through surface wash; some pedestalling but individual pedestals no more than 5cm high; some tree and crop roots exposed within the topsoil; evidence of topsoil removal but no subsoil horizons exposed.
Severe	Clear evidence of the wholesale transportation and deposition of topsoil particles downslope through surface wash; individuals pedestals over 5cm high; extensive exposure of tree and crop roots; subsoil horizons exposed at or close to the soil surface.
Signature: _____	

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Site Location	Plant Root Exposure			Tree Mounds			Sediment Build Up in Drains		Grazing		
	none	few	many	none	few	many	light	heavy	light	mod	sev
General Land Use Description (agriculture, housing etc.)											
Other Observations (irrigation use, solid & liquid waste, land clearing activities, etc.)											

² Rill & Guilles	
Severity	Description
None	No rills present within the field.
Slight	A few shallow (<100mm depth) rills affecting no more than 5% of the surface area.
Moderate	Presence of shallow to moderately deep rills (<200mm depth) and/or rills affecting up to 25% of the surface area.
Severe	Presence of deep rills (up to 300mm depth) and/or rills affecting more than 25% of the surface area.
Signature: _____	

Coastal Zone Assessment Worksheet

Name of Sampler: _____
 Date of Sampling (yy-mm-dd): _____ Time: _____
 Sampling Site: _____ Sampling Station: _____

Site Conditions: Check one item under each category

Wind:	Calm	Slight Breeze	Windy	
Weather on the Day Before:	No Rain	Little Rain	Rainy	Heavy Rain
Weather on the Day:	Clear	Cloudy	Overcas	Rainy
Water Surface:	Calm	Ripples	Choppy	Swells
Solid Waste:	Low	Moderate	High	

Water Quality Measurements:

Water Temperature	°C	Dissolved Oxygen	% saturation
Turbidity	JTU	Biochemical Oxygen Demand	ppm
Stream Velocity	meters per second	Nitrate	ppm
Coliform Bacteria	counts per 100 mL water	Phosphate	ppm
		pH	pH units

General Observations and Comments: (e.g., animals grazing, households nearby, difficulties in measurement)

Signature: _____

Coastal Zone Assessment Worksheet

Name of Observer: _____
 Date of Monitoring (yy-mm-dd): _____ Weather Conditions: _____
 Tidal Conditions: _____
 General Description _____
 Location (geographical coordinates, if possible): Latitude _____ Longitude _____
 Country: _____
 Name of site: _____

Coastal Systems Present (Tick as appropriate)	Mangroves	Beaches	Seagrass	Coral reefs
	Lagoon	Mud flat	Sandy seabed	Marshes

Infrastructure Present	Residences	Hotels	Jetty, etc.	Other
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Mangrove Wetland

Type of mangrove wetland	Basin	Riverine	Fringing coast	
Species present	Red	White	Black	Buttonwood
Most abundant species present:	Red	White	Black	Buttonwood
Least abundant species present	Red	White	Black	Buttonwood
Mangrove oysters	Absent	Present (if present, approximate number observed _____)		
Number of bird species observed	None	1-3	4-6	>6
Number of crab species observed	None	1	2	3 >3
Signs of mangrove vegetation clearing	None	Low	Medium	High
Signs of drying out	None	Low	Medium	High
Solid waste	None	Low	Medium	High
Mangrove canopy	Lush	Brown	Sparse	
Liquid waste entering wetland	Absent	Present		

Coastal Water Quality	Verticle visibility: _____ (m)			
Water quality	Vertical visibility: _____ (m)			
Nutrient indicating algae	Absent	Low	Medium	High
White sea urchins	Absent	Present (if present, approximate number observed _____)		
Long spine black sea urchins	Absent	Present (if present, approximate number observed _____)		
Juvenile fish	Absent	Present (if present, approximate number observed _____)		

Signature: _____

Coastal Zone Assessment Worksheet

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Beaches					
Beach substrate	Sand	Silt	Rubble		Rock
Vegetation	None	Trees	Shrub	Mangrove	Grass
Beach slope	Steep	Moderate Slope	Gentle slope		
Solid waste	Absent	Low	Moderate		High
Natural debris	Absent	Low	Moderate		High
Vegetation clearing	Absent	Low	Moderate		High
Turtle activity	Describe				
Sand crabs	Absent	Present. If present, describe			
Wild Animals (eg. pigs, goats)	Absent	Present. If present, describe			
Sand mining activities	Absent	Present. If present, describe			
Domesticated animals (dogs, cows etc)	Absent	Present. If present, describe			
Drain(s) running in the sea	Absent	Present. If present, describe			
Area used for recreation					
Area used for fishing activity					
Area used for yachting/boating					
Other Comments					

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Water Quality Assessment Worksheet

Field Data Sheets: Guide / Key

Weather conditions – describe the weather during the survey. E.g. state whether it was sunny, windy, rainy, stormy, etc.

Tidal conditions – state whether it was high tide or low tide.

Identification – identify type of mangrove wetland, mangrove species and stress in mangroves.

Vegetation clearing means vegetation deliberately cut by humans.

Low = Some visual evidence of vegetation clearing

Moderate = Clear evidence of vegetation clearing

High = Evidence of extensive clearing of vegetation

Mangrove wetland

Low = Some visual evidence of mangrove wetland drying out, such as areas of trees drying out, along with mud substrate being dry.

Moderate = Clear signs of mangrove wetland drying out (Clear signs of dried out trees and mud substrate).

High = Extensive areas of wetland drying out (extensive areas of dried out trees and mud substrate).

Solid waste comprises of discarded human-made material (garbage/litter)

Low = <10 pieces of solid waste material observed

Moderate = >10, but easily counted

High = Too numerous to count

Nutrient indicating algae

Low = Few patches of nutrient indicating algae on rocks (in intertidal zone)

Moderate = Clear presence of nutrient indicating algae on rocks (in intertidal zone and within nearshore)

High = Large amounts of nutrient indicating algae on rocks (in intertidal zone, within the nearshore and washed up on shore)

Slope

Steep = > 45 degrees

Moderate slope = 10-45 degrees

Gentle slope = <10 degrees

Natural debris comprises driftwood, dried coconuts, branches, etc. located on the beach area.

Low = <10 pieces of natural debris observed

Moderate = >10, but easily counted

High = Too numerous to count

Turtle activity includes observation of hatchlings, exposed eggs, tracks, nesting activities, etc.

Other comments – include any relevant observations not previously recorded, including traditional knowledge of issues pertaining to this coastal area.