



# Training on Socioeconomic Monitoring (SocMon) Methodology for Evaluation of Socioeconomics and Marine Resources Utilization at Selected Coastal Communities in Myanmar

Mawlamyine University, Mon State and  
Asin Village, Ye Township  
9-19 January 2014

## Session 7: Reconnaissance Survey and Field Observation Guide<sup>1</sup>

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# Reconnaissance Survey

- Brief survey of the study area that can provide the assessment team with valuable information to help plan the field data collection

Source: Bunce et al. 2000

# Reconnaissance Survey Allows the Assessment Team to

1. Finalise the selection of study sites for field data collection;
2. Collect preliminary information on the number and location of stakeholders;
3. Identify logistical requirements based on local conditions and make arrangements for field data collection; and
4. Refine study area and sites, and the objectives and parameters as necessary.

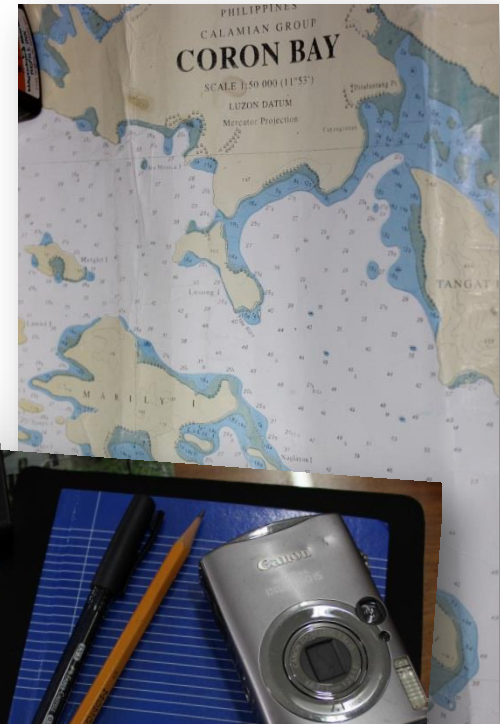
# Reconnaissance Survey

- Undertake observation and documentation of:
  - Bio-physical characteristics
  - Socio-economic features
  - Issues, problems, threats and opportunities
  - Concerns not mentioned in literature or interviews

# Materials/Equipment Needed

- Field maps
- Field notebook
- List/matrix of forms to complete
- Pens/pencils
- Voice/tape recorder
- Digital camera
- GPS
- Others

	2012				2013	
	SEPT	OCT	NOV	DEC	JAN	FEB
Objective 1. Assess present state of development in the target municipalities and their priority development needs.	✓					
Activity 1.1 - Preparatory and planning meeting	✓					
Activity 1.2 - Organize the project site team	✓					
Activity 1.3 - Gather secondary data		✓				
Activity 1.4 - Design/develop the survey questionnaire			✓			
Activity 1.5 - Reconnaissance Survey and Pre-testing of survey questionnaire			✓			
Activity 1.6 - Prepare survey work plan and undertake the survey proper			✓			
Objective 2. Determine the perceptions of respondents regarding the performance and impacts of the programs and projects of MFI undertaken during the last eight (8) years.					x	
Activity 2.1 - Undertake data analysis					x	
Activity 2.2 - Validate survey results						
Objective 3. Document best practices on SD programs and projects that need to be scaled up and replicated in other areas.					x	
Activity 3.1 - Prepare relevant reports based on the results						
Activity 3.2 - Document best practices of SD projects that need to be scaled-up and replicated						
Objective 4. Recommend SD programs and projects which are responsive to the development needs and gaps of the target localities and fishing families and which the MFI should pursue for the next 5 years.						
Activity 4.1 - Presentation of final Report (2013 RRA)						



# Optional Items

- Candies, bread/cookies, cigarettes



# Basic Reconnaissance Process

1. Seek permission of authorities
2. Select field guide
3. Determine reconnaissance route
4. Undertake reconnaissance
  1. Observe
  2. Take notes/photos
  3. Complete lists/matrices
  4. Talk/interview guide
5. Discuss results with team members

# Outputs of Reconnaissance

1. Field notes
2. Photographs
3. Completed forms/matrices
4. Decision about full-blown SocMon



1. Agriculture	Check if present	Observed impacts, magnitude/ severity, area if quantifiable)	Question/ clarification/ indicators
1.1. Crops			
1.1.1. Shifting agriculture (lands are cultivated, then abandoned)			
1.1.2. Intensive agricultural farming (large-scale farming)			
1.1.3. Swidden Agriculture (slash-and-burn farming)			
1.1.4. Use of inorganic fertilizer			
1.1.5. Use of pest control (IPM or pesticides)			
1.2. Wood plantations			
1.2.1. Small-scale			
1.2.2. Large-scale (commercial)			
1.3. Non-timber plantations			
1.3.1. Small-scale			
1.3.2. Large-scale (commercial)			
1.4. Non-timber forest products (NTFPs)			
1.4.1. Honey			
1.4.2. Rattan			
1.4.3. Almaciga resin			
1.4.4. Nipa palm			
1.4.5. Medicinal plants and herbs			
1.4.6 Others _____			9

1. Agriculture	Check if present	Observed impacts, magnitude/severity, area if quantifiable)	Question/clarification / indicators
1.5. Livestock			
1.5. Livestock			
1.5.1. Nomadic (mobile)			
1.5.2. Commercial (large-scale) (Poultry/piggery; NOT backyard)			
1.5.3. Silvi-pasture (livestock + tree plantation in one site)			
1.6. Marine aquaculture (fishpond)			
1.7. Freshwater aquaculture			
1.8. Other agriculture (pls. indicate)			

2. Extraction/Harvesting	Check if present	Observed impacts, magnitude/ severity, area if quantifiable)	Question/ clarification/ indicators
2.1. Mining 2.1.1. Abandoned/existing mining (metallic – gold, nickel, copper; non-metallic – silica)			
2.1.2. Surface runoff of mine tailings			
2.1.3. Aggregates / gravel and sand quarrying			
2.2. Fisheries			Presence of cyanide/ Presence of trawl vessels/ presence of compressor pumps and presence of discards along the shoreline
2.2.1. Subsistence			
2.2.1.1 Fishing gears			
2.2.1.1.1. Hook and Line			
2.2.1.1.2. Net			
2.2.1.1.3. Hulbot-hulbot			
2.2.1.1.4. Paaling/use of bubbles			
2.2.1.1.5. Dynamite			
2.2.1.1.6. Poisoning (herbs)			
2.2.1.1.7. Trawl fishing			
2.2.1.1.8. Compressor			
2.2.1.1.9. Cyanide			

2. Extraction/Harvesting	Check if present	Observed impacts, magnitude/severity, area if quantifiable)	Question/clarification/indicators
2.2.1.2. By-catch/discards			
2.2.1.3. Overfishing (low catch)			
2.2.1.4. Fish kills (red tide)			
2.2.2. Artisanal/small-scale fishing			Marginal Presence of large vessels
2.2.3. Large-scale/industrial fishing			
2.2.4. Intrusion of commercial fishers (domestic or foreign) within municipal water limits / inshore fisheries			
2.2.5. Other fisheries harvested (seaweed, sea cucumber, abalone, giant clams, lobster, livefish)			

2.3. Mangroves	Check if present	Observed impacts, magnitude/ severity, area if quantifiable)	Question/ clarification/ indicators
2.3.1. Debarking (tanbarking) of mangroves			
2.3.2. Mangrove cutting for domestic purposes			
2.3.3. Charcoal making			
2.3.4. Mangrove reforestation			
2.3.5. Conversion to human settlement			
2.3.6. Conversion to fishponds			
2.3.5. Other use of mangroves			
2.4. Wood / Timber			
2.4.1. Small-scale cutting			
2.4.2. Selective logging			
2.4.3. Clear-cutting (Illegal logging)			
2.4.4. Charcoal making			
2.4.5. Biofuel (e.g., Jetropha)			
2.4.6. Other use of timber/wood (specify)			
2.5. Coral removal			
2.5.1. Presence of corals on shoreline			
2.5.2. Corals for decoration			
2.5.3. Corals as building materials for housing			

2.3. Mangroves	Check if present	Observed impacts, magnitude/ severity, area if quantifiable)	Question/ clarification / indicators
2.6. Groundwater extraction			
2.6.1. Artesian well			
2.6.2. Pumps			
2.6.3. water pipelines			
2.7. Others (threatened wildlife)			
2.7.1. Wildlife trading (plants, e.g., orchids, & animals)			
2.7.2. Threatened species (dugong, marine turtles, marine turtle eggs, Tabon bird)			

3. Infrastructure development	Check if present	Observed impacts, magnitude/ severity, area if quantifiable)	Question/ clarification/ indicators
3.1. Industry			
3.1.2. Complex (Conglomeration of government centers)			
3.2. Human settlement			
3.2.1. Informal settlers			
3.3. Tourism/recreation facilities			
3.4. Land transport (roads, bridges) – good condition?			
3.5. Air transport (airports, airstrips) – good condition?			
3.6. Water transport (piers, ports, fishports) - good condition?			
3.7. Health Center/Hospital/Lying-in clinics			
3.8. School buildings (# of classrooms) elementary ____ # of classrooms high school ____ # of classrooms college ____ # of classrooms			
3.9. Churches/temples (other places of worship)			
3.10. Cemeteries			
3.11. Market			
3.12. Parks/Sport facilities			
3.13. Dams			
3.14. Telecommunications			
3.15. Power lines- electricity			
3.16. Seawalls			
3.17. Others			

4. Invasive alien species (directly impacting habitat)	Check if present	Observed impacts, magnitude/severity, area if quantifiable)	Question/clarification/indicators
4.1 Non-native (exotic) species			
4.1.1. Oil palm			
4.1.2. Gemelina			
4.1.3. Makasla (Jetropha)			
4.1.4. Exotic species - tilapia			
4.1.5. Others _____			
4.2. Change in native species dynamics (directly impacting habitat)			
4.2.1. Fire hazard			
4.2.1.1. Forest fires			
4.2.1.2. Light housing materials			



5. Pollution	Check if Present	Observed impacts, magnitude/ severity, area if quantifiable)	Question/ clarification/ indicators
5.1. Land pollution			
5.1.1. Agricultural (agricultural inputs)			
5.2.2. Domestic			
5.2.3. Commercial/Industrial			
5.2.4. Other non-agricultural			
5.2.5. Others			
5.2. Water pollution			
5.2.1. Agricultural			
5.2.2. Domestic			
5.2.3. Commercial/Industrial			
5.2.4. Other non-agricultural			
5.2.5. Thermal pollution (heat)			
5.2.6. Oil slicks			
5.2.7. Sediment and Silt			
5.2.8. Sewage			
5.2.9. Solid waste			
5.2.10. Noise pollution			
5.2.11. Other			
5.3. Coastal Pollution			
5.3.1. Wastes			
5.4. Air Pollution			
5.5. Other			

6. Natural disasters	Check if present	Observed impacts, magnitude/ severity, area if quantifiable)	Question/ clarification/ indicators
6.1. Typhoons/storms			
6.2. Flooding			
6.3. Drought			
6.4. Wildfire			
6.5. Volcanoes			
6.6. Local landslides			
6.7. High precipitation			
6.8 .Damage to properties and infrastructures due to disasters			
6.9 .Ship groundings			
6.10. Other disasters			
7. Climate change			
7.1. Bleaching of coral reefs			
7.2. Wave surges			
7.3. Storm surges			
7.4. Coastal beach erosion / shoreline change			
7.5. Saltwater intrusion			
7.6. Rise in sea level			

8. Natural Resources	Check if Present	Observed impacts, magnitude/ severity, area if quantifiable)	Question/ clarification/ indicators
			Velocity of the wind, waves and average daily sunlight /irradiance by observation or respondent's account. Lush vegetation for potential biomass Potential land for tree/grass plantation for biomass generation
8.1. River			
8.2. Wind			
8.3. Waves			
8.4. Solar			
8.5. Lush vegetation			
8.6. Arable land			
8.9. Spring			

9. Others	Check if Present	Observed impacts, magnitude/severity, area if quantifiable)	Question/clarification/indicators
9.1. Cultural heritage			
9.2. National monuments			
9.3. Artefacts			
9.4. Protected Areas, Critical habitats, Key Biodiversity Areas (KBA)			
9.5. Social problems			
9.6. Others, specify			