

**Summary Report for the**

**Data Scoping of the**  
**Grenadines Marine Space Use Information System**  
**(MarSIS)**

**A summary of preliminary observations  
and key informant interviews  
from Grenada, St. Vincent and the Grenadine Islands**

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**Kimberly Baldwin**  
**Centre for Resource Management and Environmental Studies**  
**(CERMES)**  
**University of the West Indies, Faculty of Pure and Applied Sciences**  
**Cave Hill Campus, Barbados**



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## **INTRODUCTION**

Marine resources (including fishing and marine-based tourism) are of vital importance to the people of the Grenadines. A greater understanding of the abundance and distribution of key marine resources, marine resource users and the patterns of use is critical to planning and the sustainable use of the coastal resources of the Grenadines. Effective coastal resource management must balance the sustainable use, resource protection and conservation within the communities' need for food security, livelihood and equitable use of resources. Therefore, multi-sectoral collaboration and strong community participation is required to successfully maximise management efforts.

The Grenadines MarSIS will integrate social, economic, policy, cultural and biophysical marine resource information in a single GIS framework to aid effective coastal resource management and sustainable livelihoods. By including the social frame of reference and local ecological knowledge with traditional scientific approaches, important information gaps can be filled, potential problems can be identified and management priorities focused accordingly. Furthermore, involving a range of stakeholders in the information gathering and research processes allows for a participatory framework for comanagement and equity in decision making by meaningfully including and considering all sectoral and community interests.

## **REVIEW OF GRENADINES MarSIS METHODOLOGY AND TIMEFRAME**

A variety of stakeholder participation is essential for the success of the Grenadines MarSIS project. Therefore, summary reports (similar to this report) will be produced and distributed after each of the following phases of the project in order to document methodologies used, information collected and general response to activities in order to exchange information and the progress of the project among all stakeholders in a transparent fashion. Additionally, an multi-stakeholder e-group has been established to facilitate integrated communications on the Grenadines MarSIS project. All reports, files and updates on the current status of the project will also be available at: <http://groups.yahoo.com/group/grenadinesMarSIS/>.

### **TIMEFRAME of the Grenadines MarSIS Project**

#### **DEVELOPMENT OF THE GRENADINES MarSIS (June 2005 – March 2006)**

- Data collected & reviewed
- Constructed Grenadines MarSIS framework
- Identified information gaps
- Conducted initial Government stakeholder proposal meetings

#### **DATA SCOPING FOR THE GRENADINES MarSIS (May 2006)**

- Present MarSIS project to Grenadines Communities & NGO key informants
- Interview marine resource user key informants
- Collected additional secondary information
- Visits to government agencies: id structure and management of data collection
- Verified existing datasets

## COMMUNITY ENGAGEMENT IN THE GRENADINES MarSIS

(June – August 2006)

- Community presentations of MarSIS
  - Introduce purpose and importance of MarSIS project
  - Feedback from preliminary data scoping
  - Identify community interest and information needs
- Socio-economic and livelihood analyses of marine resource users
  - 2 Categories: Fishers & Other Marine Resource Users
    - Used to determine resource use patterns
      - Spatial distribution, intensity, activity profiles, conflicts
    - SOCMON Caribbean & DFID Sustainable Livelihoods Methodologies
      - Assisted by 2 CERMES MSc research students
      - Spatial information will be collected
      - Socio-economic and livelihood technical reports & spatial information datasets will be produced for both groups
- Collection of local names for various marine areas and fish for base maps

## SPATIAL DATA COLLECTION (August - September 2006)

- Community presentations of local maps (validation & distribution of maps)
- Fishers and Other Marine Resource Users
  - Fishers: Focus group meetings to identify fishing banks
  - Other Important Marine Resource User Areas: Mapping interviews/GPS routes
  - Identify important marine habitats

## VALIDATION OF INFORMATION AND IDENTIFY GAPS (October 2006)

- Feedback from government, NGO and community stakeholders
- Identification of remaining information gaps
- Planning of further data collection and research activities

## 2007- 2008 ACTIVITIES

- Additional field research/data collection
- Produce Grenadines marine atlases
- Complete Grenadines MarSIS for implementation
- Make marine space use planning suggestions
- Document lessons learnt
- Prepare PhD dissertation

## SUMMARY OF GRENADINES MarSIS DATA SCOPING TRIP

This report is a summary of the preliminary marine resource user data scoping trip for the Grenadines MarSIS project. During May 2006, the 11 inhabited islands of the Grenadines (St. Vincent, Bequia, Canouan, Mustique, Mayreau, Union, Palm, Petite St. Vincent, Petite Martinique, Carriacou and Grenada) were visited in order to better understand the existing marine resources, their uses, users, infrastructure and management as well as identify areas for further exploration

during the project. Observations and identification of marine resources, their uses and a general inventory of current marine resources users for each island were priority (Table 1). Identifying and making contact with key informants as well as introducing the project to community leaders and the various marine resource users of the Grenadines was accomplished. Additionally on the mainland’s of Grenada and St. Vincent, each of the relevant government stakeholder departments were visited in order to collect additional secondary information (ie: previous research, legislations, management plans, policies and statistics) as well as better understand each agencies’ role, mandate and categories of marine resource information currently collected.

**Table 1. Categories of government and marine resource users**

<u>Government</u>	<u>Marine Resource Users</u>
Fisheries	Ferries
Forestry	Shipping
Planning	Yachting
Coast Guard	Tour Operators
Port Authority	Water-taxis
Tourism	Dive Operators
Statistics	Fishers
Maritime Administration	Recreational / Cultural

## **GOVERNMENT STAKEHOLDER INTERVIEWS**

In each country of Grenada and St. Vincent all relevant government departments were visited and key technical personnel interviewed (Appendix 1). Understanding each department’s mandate, role in marine resource management, current systems for data collection, structure of databases as well as reviewing and collecting existing legislations, research and information was paramount. A total of 32 persons working for government agencies were interviewed during the data scoping trip.

## **KEY INFORMANT MARINE RESOURCE USER INTERVIEWS**

Marine resource users were categorised (Table 1) and a minimum of 3 key informants of each group were identified and interviewed in order to get a preliminary assessment of the overall population, the number and types of marine resource users, existing marine-based infrastructure, occupations, preliminary identify marine areas of importance, environmental issues, conflicts and formal associations across the Grenadine islands. As much as possible key informants were spread across the various islands and countries in order to attain a representative sample of marine resources, users and space use on the Grenada bank. A total of 57 marine resource users were interviewed during the data scoping trip (Appendix 2).

## **SUMMARY OF MARINE RESOURCE USER – OBSERVATIONAL & KEY INFORMANT INTERVIEW DATA BY ISLAND**

It must be emphasised that the following information is merely a summary of the opinions of key informants interviewed during the scoping trip. This information is in no way comprehensive or statistically representative of the communities of the Grenadines. This summary is provided to get a preliminary ‘snapshot’ of existing marine resource users and issues based on observations and initial interview information.

## ST. VINCENT

### Infrastructure:

Kingstown: 5 docks (Cruise Ship, Ferry, Deep Harbour, Fish Market-2), no waterside gas (trucked in and filled at dock)

Blue Lagoon: Full service marina (fuel, water, trash). Yachting Companies: TMU, Barefoot, Sunsail & Indigo Dive

-150-200 yachts based at Blue Lagoon, St. Vincent (estimated at 5% of total yachts in the Grenadines)

### Marine Resource Users:

Yachting (TMU, Barefoot, Sunsail), Day Tours (Fantasea, Baliene Tours, Windsong II)

Shipping: Kingfisher II, Kingfisher III, Jeronimo, My Procedure (sloop)

Ferries: Bequia Express I & II, Admrial Bay II, MV Rita, Canouan Bay, Barracuda, Gemstar

### Environmental Problems:

Frequent oil spills & trash in sea from boats. Ships: pollution in water from oily bilge, no rings around boats while fuelling, no rat guards, sewage & grey water from boats

### Conflicts:

Many marine resource users express frustration with the Coast Guard's lack of enforcement in the way of fishing regulations and tourism related matters, also there is an issue with the location of existing customs/immigration (several agencies spread around Kingstown & none in Blue Lagoon)

**Fishers:** Important fishing villages using the Grenadines: Calliaqua, Greathead bay, Barrouallie

**Types of Fishing:** Mostly pelagics (long line) fishing off of the Grenada bank & mainland

**Organisations:** Friends of the Tobago Cays, National Trust

## BEQUIA

**Population estimates:** 5,000-7,000

**Infrastructure:** 9 jetties in Port Elizabeth, waterfront gas & water, trash disposal, laundry, customs, immigration, haul-out for small catamarans, variety marine services & engineers, compressors: 2 at dive shops & many in Paget Farm fishing village

### Marine Resource Users:

Day Tours: Friendship Rose, Tranquil Tours, Handy Andy Tours, Michael Tours, Osprey, Pelangie, Quest, Inspired Sailing, My Rick

Yachting: Tradewinds Cruise Club

Shipping: Kingfisher II, Jeronamo

Ferries: Bequia Express I & II, Admrial Bay II, Barracuda

**Occupations:** Yachting/Maritime professions, Tourism-based activities, Fishing, Water-taxis (seasonal), Construction

**Environmental Problems:** Oil spills from Vinlec, Oily bilge water from ferries, sewage from boats, storm drains into bay, hotel wastewater (black & grey)- no soak-aways near coastal developments, beach erosion/sedimentation from construction, loss of mangrove from the construction of the airport

**Conflicts:** French Yachters (violation of fishing regulations)

**Fishers:** Main Fishing Village: Paget Farm (estimates ranging from 100-500 from Paget Farm (many of Bequia's fishers are spread around many islands of the Grenadines)

Paget Farm: more than 100 speedboats with avg. 85 hp and 4 men per boat, Fishing complex (ice, water, electricity, dock, jetty, no gas, no fish market in Paget Farm), must go to small market in Port Elizabeth to sell fish locally and get gas, Friendship Bay (1 Martinique Trading Vessel)

**Types of Fishing:** lobster (pots & tank), conch (dive), fish (line/spear), seamoss, wilks for personal consumption, no sea eggs

**Organisations:** Paget Farm Sports Culture & Environmental Association, Bequia Tourism Association, Sandwatch, Environmental Club

## CANOUAN

**Population estimates:** 2,000-3,000 (1,300 ex-pats, 600 locals, 1,100 foreign workers)

**Infrastructure:**

2 jetties at Retreat (no water, no laundry, no dingy dock or trash disposal), 1 jetty at Fishing Complex: with water, electricity, freezer, ice (no gas for boats- must go to Retreat), desalination plant

**Marine Resource Users:**

Moorings Yachting Base (44 boats: 6 crewed & 38 bareboats), Canouan Dive Shop, Raffles Watersports, Day Tours (3): Cardel Snagg, Eli DeRoche, Canouan Marine (Italians), 4 water-taxis, Canouan Sailing Association

**Occupations:** Tourism, Construction, Entrepreneurs, Fishing (a lot of part-time for household use)

**Environmental Problems:** Mangrove cutting, dump located in mangrove, expansion of airport into mangrove and into bay known as a conch nursery ground & for baitfish, sewage from boats, lack of trash facilities

**Conflicts with other MRU's:** French Yachters (violation of fishing regulations), pots being set at Sail Rock by Grenadian fishers

**Fishers:** Mainly at Friendship Bay fishing complex (7 from Canouan & 30 Bequia)

**Types of Fishing:** Lobster (trap), conch (dive), baitfish (cast nets), reef fish (spear), bottom fish (line), Pelagics (a little trolling)

**Organisations:** Canouan Tourism Association, Canouan Island Council, Canouan Sailing Association

## MUSTIQUE

**Population estimates:** 1,500 (+800 villa residents)

**Infrastructure:** Fishing complex (1 compressor) & Dive Shop (1 compressor), desalination plant, Britannia Bay: Only anchorage for yachts, trash disposal, no water, dingy dock, ferry dock; Endeavor Bay: 1 watersports dock and dive shop

**Marine Resource Users:** Fishers, Mustique Watersports, Mustique Moorings -Yachting Anchorage (28 moorings in Britannia Bay), 3 Deep Sea fishing boats (Saloon, Island Fever & Bonzi), Day Charter: Splendid Adventure (based in Canouan), no Water-taxis

**Occupations:** Domestic (trades & housework), fishing, entrepreneurs (3 shops in village)

**Environmental Problems:** septic systems (leak), chemical on lawns, sewage from yachts, trash in Endeavor Bay (from construction)

**Conflicts:** Spear-fishing within the 1000 yard marine conservation area (fishers only allowed cast nets within conservation area), Martinique boats accepting juvenile reef fishes, French Yachters (violation of fishing regulations)

**Fishers:** approximately 30+ boats (all speedboats avg. 60-85 hp & 2 double-enders), 45-60 fishers (up to 75 fishers during season all from Bequia except one from Mustique—consist mainly of older men), fishers like Mustique due proximity to fishing grounds, most men fish twice a day, access to ice, freezer, electricity & water, sell at fish market & Basil's Bar

**Types of Fishing:** Coastal pelagics & turtles (trammel nets), Lobster (traps/tank), Conch (tank), Fish (handlines & 2 seine nets), no sea eggs

Another Fishing Island: Savon Island (8-10 fishers) privately owned

**Organisations:** Mustique Indigenous Peoples Association

## MAYREAU

**Population estimates:** 250-280 (45 households)

**Infrastructure:** 2 jetties in Saline Bay, 1 jetty in Salt Whistle Bay, no fish market, no gas, 5 restaurants, 1 hotel & 1 guesthouse

**Marine Resource Users:** fishers, 1 water-taxi, cruiseships during season in Saline Bay & TCMP, yacht anchorages (Salt Whistle Bay & Saline Bay)

**Occupations:** Fishing, Shops (t-shirts), Hotel, Restaurants

**Environmental Problems:** dump used to be in salt pond, sewage from yachts, cruiseship pollution (oil slicks)

**Conflicts:** All cruise ship business to Bougainville in Union due to accessibility of insurance (fishers/water-taxis can't access insurance required)

**Fishers:** Saline Bay - majority of men are fishers (at least 1 per household), 15 speed boats

**Types of Fishing:** Coastal pelagics (2 seine nets), Baitfish (cast nets), Lobster (tank/trap), Reef fish (spears/pelang/pots), turtles (trammel net), Pelagics (some trolling en-route)

**Organisations:** MEDO, Regatta Committee

## UNION

**Population estimates:** 2,500-3,000

**Infrastructure:** Fish market, ice machine (not currently in operation), 2 compressors, coast guard base (no boat), haul-out ramp for speedboats, yachting dock (electricity, water, trash), dingy dock, ferry-shipping dock

**Marine Resource Users:** fishers, water-taxis, yachts, dive shop, day charters (# of Boats: 1-Scaramooch, 3-Yannis, 1-Captain Bagga, 1-BigSand, 2-Bougainville ), Ferries (Barracuda, MV Rita, Gemstar), Shipping (Venezuela & Trinidad for fuel/goods), TCMP

**Occupations:** Fishing, Tourism (water-taxis), Construction

**Environmental Problems:** sewage from yachts, greywater from waterfront businesses in Clifton, garbage by locals, bilge water from ferries/ships

**Conflicts:** French Yachters (violation of fishing regulations)

**Fishers:** Clifton & Ashton (100 fishers) no woman- Major market is Martinique Trading Vessels (fetch up to \$2 EC more a pound than on Union as well as a sure market/sale of fish)

**Types of Fishing:** Coastal pelagics (seine nets), baitfish (cast nets), conch (tank), lobster (tank), reef fish (spear-fishing & pots-but dying out), Bottom fish (groupers, red snappers, hinds) line – most common, Pelagics (trolling) November-March

**Organisations:** Water-taxi Association, Environmental Attackers, 4H Club

## PALM

**Population estimates:** 120 employees (majority from Union), 4 persons permanently, 37 bungalows (74 guests maximum)

**Infrastructure:** 2 jetties (one for hotel, one for ferry), desalination plant

**Marine Resource Users:** 2 Ferries (1 for guests, 1 for workers), 2 speedboats, 1 sailboat (Pink Lady), 1 fishing boat, use Dive Grenadines, Scaramooch, Captain Yannis for guests

**Occupations:** Hotel

**Environmental Problems:** lack of enforcement & number of boats in Tobago Cays, overfishing, turtle fishing, sewage from yachts

**Fishers:** None based in Palm

## PETITE ST VINCENT

**Population estimates:** 80 staff mainly Vincentian (3 from PM & Carriacou), 44 guests maximum

**Infrastructure:** 2 jetties (Dock House for guests & Dingy Dock for yachts & fishers)

**Marine Resource Users:** 3 Inboard Ferry Boats, 2 speedboats, 2 small powerboats

**Occupations:** Hotel & Fishing

**Environmental Problems:** sewage from yachts

**Conflicts:** French Yachters (violation of fishing regulations)



**Fishers:** 3 currently (all from Bequia) but many leave during the closed season for lobster; PSV resort buys some fish but majority gets sold to Martinique fishing vessels or in PM

**Types of Fishing:** lobster, snapper, bonito, barracuda

## **PETITE MARTINIQUE**

**Population estimates:** 1,000

**Infrastructure:** 3 guesthouse, 2 jetties, 2 compressors, gas on land, ice(private), 1 gas station

**Marine Resource Users:** fishers, yachters, ferry, 7 Martinique Trading Vessels, Shipping

**Occupations:** Fishing, ~10 men boat builders (but little demand), civil service, self-employed, power station

**Environmental Problems:**

**Conflicts:** none

**Fishers:**  $\frac{3}{4}$  of all men are fishers, an active fish co-operative (18 members) and private market with freezers, 16 speedboats (avg. 85 hp) and 14 ice boats

**Types of Fishing:** lobster (tank/trap), conch (tank), redfish (line), baitfish (cast nets), pelagics (trolling)

**Organisations:** Fishing Co-op, Women's Group, Youth Group, Regatta Group

## **CARRIACOU**

**Population estimates:** 5,000-7,000

**Infrastructure:** 1 Jetty in Hillsborough, 1 gas station (on land), Haul-out facility & 3 Jetties in Tyrell Bay, Fish market w/freezer (new one being constructed), desalination plant, immigration/customs, 6 compressors on island

**Marine Resource Users:** Fishers, Yachting (Harvey vale/Tyrell Bay main anchorage), 1 Martinique boat (Windward), 3 dive shops (all foreign owned), CruiseShips: 3 WindJammer Boats, Day Charters: Snagg Tours, 2 Sportfishing charters & 2 Sailing cruises, Ferries: Jasper, 2-Osprey (1 Ferry to Grenada & 1 Schoolboat to PM) & Emelia I (mail, shipping & ferry to Grenada), Shipping:(fuel) Venezula & Trinidad, (goods) St Martin & Grenada (Laser, Adel Aide, Cinderella II, Winifred), Peter Hughes LiveAboard Dive Hotel (1<sup>st</sup> Season)

**Occupations:** Construction, Fishing, Water-taxi, Self-employed

**Environmental Problems:** New Marina in Harvey vale/Oyster bed area, Martinique trading vessels purchasing juvenile fish, turtle fishing out of season, land erosion & sedimentation, sewage from yachts, no soak-aways for coastal developments (pipe to sea), garbage

**Conflicts:** French Yachters (breaking fisheries laws, anchoring on reefs, not clearing customs), foreigners spear-fishing in Grenadian waters, fishers & diver conflicts within the newly established Sandy Island MPA, Live-aboard diving ship in area, customs clearance procedures (not in Tyrell Bay)

**Fishers:** Landing Sites: Le'Esterre, Paradise, Hillsborough, Harvey vale, Windward: 1 jetty (1 Martinique Trading Vessel), Belmont (~10 boats), Bogles & Mt. Pleasant

**Types of Fishing:** Baitfish (cast nets), coastal pelagics (seine nets), reef fish (spear & line), bottom fish (line), lobster (tank/some traps), conch (tank) from Grenada, wilks & seamoss (household use), turtles (trammel nets and egg poaching)

**Organisations:** KIDO, CEC, Regatta Committee

## **GRENADA**

**Infrastructure:** Cruise Ship Terminal, Careenage, Lagoon, Melville Fish Market, 1 Coast Guard base in True Blue Marina (4 Boats, 26 staff)

**Marine Resource Users:** Fishers, Horizon Yacht Charters & Moorings Drop Off Base, Osprey (ferry & shipping to Carriacou & PM), Other Shipping: Amelia I, Laser, Adel Aide, Cinderella II, Winifred

**Environmental Problems:** Sewage from yachts, anchoring, use of anti-fouling pants

**Conflicts:** Spear fishing by non-Grenadians, garbage, French Yachters (violation of fishing regulations)

**Fishers:** Main villages using the Grenadines: (in North) Seuters, Dequense

**Types of Fishing:** Primarily long line vessels fishing off of the Grenada Bank

**Organisations:** Ocean Spirits, Caribbean Yachting Association, Grenada SCUBA Association

## KEY MARINE RESOURCE AREAS

All marine resource user key informants were asked to initially identify (either by name or location using a map) key marine resource areas. The types of areas identified included: mangroves, seagrass, coral reefs, anchorages, nursery areas, spawning areas, fishing banks, turtle nesting beaches and recreational/cultural (or local use) areas. Information collected will be used as a baseline for the future mapping exercises. The 'other marine resource user' key informants were able to best identify with simple coastline maps of their respective island. These maps were based on the traditional 'tourist' maps which are widely distributed in the Grenadines. These maps had major villages listed on them which made locational identification easier. In part, local names were collected for certain beaches, bays and fishing areas. During the next phase of the project a comprehensive list of local names will be collected and local maps will be produced for easier and more accurate spatial identification. Fishers for the most part did not relate to these types of maps or maps showing bathymetry and geomorphology of the reefs. For the most part fishers seem to use triangulation methods for identification of fishing areas rather than traditional maps. This issue will need to be further explored before comprehensive spatial data can be collected for fishers. It has been suggested that focus group discussions using aerial photographs and/or nautical charts have worked successfully in other areas and therefore these types of mapping method will be investigated further this summer.

## KEY ISSUES IDENTIFIED

The data scoping trip provided good insight on the variety of users and patterns of marine resource use on the Grenada bank. Marine resources and their variety of uses comprise the core of each and every island of the Grenadines' economy. There are a variety of and overlapping types of marine resource users but fishing and tourism-based activities seem to compromise the majority. It is also interesting to note the strong Martinique/French influence within the Grenadines and the impacts evident in both the fishing and tourism industries. Estimates on the order of 75% of all chartered yachts are French as well as a large majority of the fish from the Grenada bank are exported to Martinique. Furthermore, the vast majority of conflicts (whether from illegal fishing activities of the yachters or the constant and extensive demand for reef fishes including juveniles) identified in the data scoping exercise were based around the French market.

Generally, within the communities of the Grenadines there tends to be a feeling of frustration stemming from poorly planned development initiatives which have resulted in current and past environmental and livelihood issues. Therefore on this basis, marine resource users which were interviewed generally support and understand the importance of creating the Grenadines MarSIS for environmental and sustainable livelihood protection in the Grenadines. General concerns with the MarSIS project were centred on how the local knowledge and mapping of resources will be used, for what and by whom in the future. Therefore, future activities will be focused on highlighting to the Grenadine communities and marine resource users the importance of their active participation in compiling accurate and useful information for the MarSIS. This together with the organisation of functioning groups/associations within the Grenadines can enable marine resource users to actively participate in government planning initiatives. Further investigations into spatial collection methods

will need to be extensively explored, especially in the case of fishers to order to allow them to accurately identify and map important fishing areas.

## **UPCOMING ACTIVITIES FOR THE GRENADINES MarSIS**

A review of the Grenadines MarSIS project goals, objectives and plans as well as initial results from the data scoping trip will be presented to the communities of the Grenadines. Additionally a comprehensive inventory of fishers will be conducted in each island in order to estimate the number, types and locations of all fishers of the Grenadines. As a foundation for determining resource use patterns (spatial distribution, intensity, activity profiles, and areas of overlap or conflict) on the Grenada bank, socioeconomic and livelihood analyses will be conducted from June – August 2006. Marine resource user surveys will be categorised into two main groups: Fishers & Other Marine Resource Users. These groups will be further sub-divided as listed in Table 1. Surveys will be based on the SOCMON Caribbean and the DFID Sustainable Livelihoods methodologies and assisted by two CERMES MSc research students. Spatial identification of local names of marine areas and resources will be collected and local maps will be produced and distributed this summer. Initial spatial data collection in the forms of focus groups and interviews will be conducted in August – September. Socio-economic and sustainable livelihood technical reports and corresponding spatial GIS datasets will be produced for surveys conducted this summer. Additionally in October 2006, socio-economic and livelihoods analyses will be presented to all stakeholders (government and communities) in order to gain validation and feedback. Focus group meetings will be held with fishers in order to finalise spatially fishing bank locations of the Grenada bank. By November 2006, completed maps, technical reports and spatial information datasets will be compiled and distributed.

## APPENDICES

### Appendix 1. List of Government Agency key informants identified during the May 2006 Data Scoping Trip.

Island	Organisation	Name	Position
St. Vincent	Coast Guard	Hendrickson Goodluck	Chief
	Fisheries Division	Raymond Ryan	Chief Fisheries Officer
	Fisheries Division	Leslie Straker	Fisheries Officer
	Fisheries Division	Jennifer Cruickshank	Fisheries Officer
	Fisheries Division	Sophia Punnett	Marine Biologist
	Fisheries Division	Cheryl Jardine-Jackson	Senior Fisheries Assistant
	Forestry Department	Brian Johnson	Director Forest Mapping & Inventory Programme
	Forestry Department	Sammuel Harry	GIS Mapping and Inventory
	Forestry Department	Adrian Bailey	Technical Officer
	Forestry Department - Integrated Management	Mr. Providence	Manager
	Forestry Department - Integrated Management	Hayden Billingy	Technical Officer Environmental Services Coordinator
	Ministry of Health & Env't-Env'tl Services Unit	Edmund Jackson	Director
	Ministry of National Security-Maritime Administration	David Robin	Marine Based Tourism
	Ministry of Tourism	Falyene Shrubbs	Physical Planner
	Physical Planning Unit	Colin Campbell	Head Statistician
	Statistics Department	Ms. Roberts	MIS Manager
	SVG Port Authority	Roland Daize	
Grenada	Board of Tourism	Danny Donelan	Yachting & Cruise Development
	Coast Guard	John Thomas	Sergeant
	Fisheries Division	Crafton Isaac	Assistant Fisheries Biologist
	Fisheries Division	Justin Rennie	Chief Fisheries Officer
	Fisheries Division	Tracey Augustine	Data Entry / Statistics
	Fisheries Division	Evlyn Alexander	Manager of Melville Fish Market
	Fisheries Division	Jerry Mitchell	MPA Officer
	Forestry Division	Michael Jessamy	Cultural Heritage Officer
	Forestry Division	Anthony Jeremiah	Grenada OPAAL Representative
	Grenada Port Authority	Anthony Belmar	Marine Division
	Grenada Port Authority	Lazarus Joseph	Marine Pilot/Surveyor
	Grenada Port Authority	Ronald Haywood	Marine Supervisor
	Grenada Port Authority	Ian Evans	Port Manager
	Physical Planning	Fabian Purcell	Senior Physical Planning Officer

**Appendix 2.** List of Marine Resource User key informants identified during the May 2006 Data Scoping Trip.

<b>Island</b>	<b>Organisation</b>	<b>Name</b>	<b>Position</b>
Bequia	Dive Adventures Bequia	Laury Stowe	Dive Instructor
	Dive Adventures Bequia	Ron Williams	Dive Instructor
	HandyAndy DayTours	Andrew Mitchell	Entrepreneur / Day Tours / Fishing Tours
	Paget Farm Fisheries Complex	Tyrone Forde	Fisher
	Paget Farm Fisheries Complex	Gaston Best	Fisher
	Paget Farm Fisheries Complex	Joel	Fisher
	Paget Farm Fisheries Complex	Marley	Fisher
	Fisheries Division	Lezlian James	Fisheries Officer
	Flamingo & Turtle Point Villas	Winston 'African' Simmons	Manager/Watertaxi/Tours
	Sailwinds Cruising Club	Kurt Cordice	Marine Biologist (former TCMP manager)
	Caribbean Compass	Sally Erdle	Yachting Publisher
Canouan	The Mooring Sailing Charters	Debbie Cundy	Base Manager
	Canouan Bay Ferry	Albert Ollivierre	Captain/Community Leader
	Canouan Dive	Andy Lander	Dive Instructor/Owner
	Canouan Sailing Club	Carlos McLaurean	Fish Market Manager/Vendor
	Fishing Complex	Felix Ollivierre	Fisher
	Cherry Hill (R&C Bar)	Peter Snagg	Fisher
	BioChemist	Geetha	Lecturer UWI
	Canouan Sailing Club	Phil Deroche	President
Carriacou	Carriacou Silver Divers	Werner 'max' Nagel	Dive Instructor
	Fisher	Kenroy Noel	Fisher
	Fisher	Justin Harry	Fisher
	Fisheries Division	Junior McDonald	Fisheries Officer
	CREP-CEC	Martin Barriteau	Mangrove Manager and MPA manager
	Carriacou Environmental Committee	Virginia Fleary-Noel	President of CEC
	KIDO	Marina & Dario	Turtle Conservationists
Mayreau	Fisher	Albert Hansen	Fisher
	Fisher	Mr. Forde	Fisher
	Dennis' Hideaway	Dennis	Owner
	MEDO	Father Mark	President
Mustique	Mustique Indigenous Peoples Association	Wayne Trimmingham	Community Leader
	Mustique Company	Karen Ernst	Director
	Mustique Watersports	Brian Richards	Dive Instructor
	Mustique Watersports	Dianne Wilson	Dive Instructor
	Mustique Watersports	Raymond	Dive Master
	Mustique Watersports	Curt	Dive Shop Assistant
	Mustique Fishing Complex	Darnley	Fisher
	Mustique Moorings	Beris Lyttle	Harbour Master
Palm Island	Palm Island Resort	Patrick Chevailler	Doctor/Avid Diver/Artist
Petite Martinique	PM Fishers Co-Op	Clayton DeRoche	President of Co-OP
	PM Primary School	Mr. Patrice	Principle
	PM Primary School	Dwight Logan	Teacher
Petite St. Vincent	PSV Resort	Othel Sammuel	Assistant Manager
	PSV Resort	John Drape	Manager
	PSV Resort	Goatie Victory	Manager
	PSV Resort	Ken, Carl & Larry	Watersports Operators
Union	Dive Grenadines	Glenroy Adams	Dive Shop Owner
	Fisher	Mathew Harvey	Fisher
	TCMP	Jason Alexander	Fisher
	Scaramooch	Martin	Owner
	Union Island EcoTourism Assoc.	Jack Daudin	President
St. Vincent	Barefoot Charters	Narendra Sethia	Director

