

GRENADA'S COUNTRY REPORT ON FAD FISHERY 2013



Presented by:–
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MAP OF THE STATE OF GRENADA

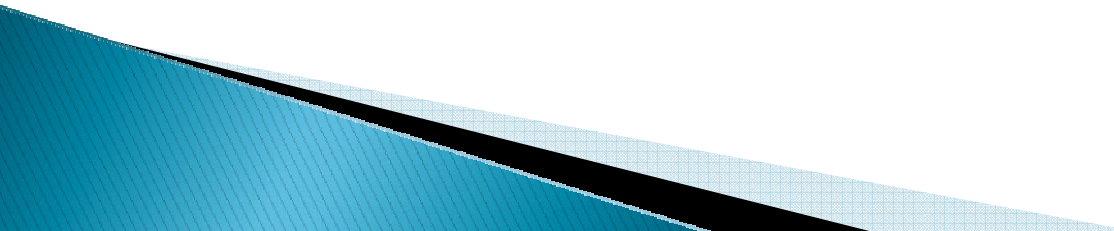


INTRODUCTION

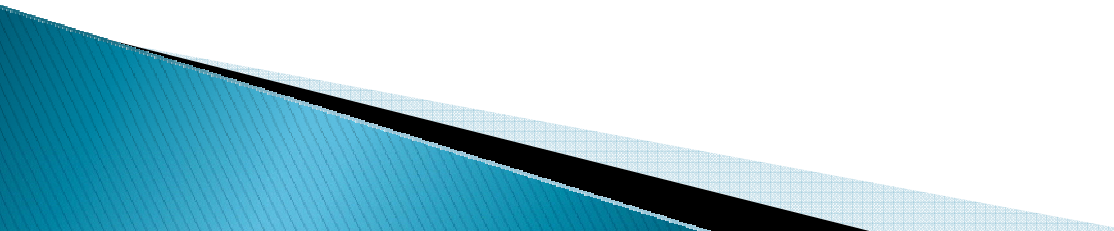
- ▶ Location of Grenada Carriacou & Petit Martinique
- ▶ latitude $11^{\circ} 58$ minutes/ $12^{\circ} 13$ minutes north
- ▶ Longitude $61^{\circ} 20$ minutes/ $61^{\circ} 35$ minutes west
- ▶ Total land area 133 sq, miles
- ▶ Coast line 121 Km
- ▶ EEZ 8000 sq miles
- ▶ Shelf area 3,000 sq km
- ▶ GND lies between two water bodies Caribbean Sea & Atlantic Ocean
- ▶ Population 100,000
- ▶ Annual Fish production 4,000.000 Lbs
- ▶ Number of fishing vessels 700



History of FAD Fishery in Grenada

- ▶ Grenada has been experimenting with FADs since the 1990s which has proven to be effective & successful
 - ▶ Several FAD programmes have been funded by donor agencies through the Fisheries Division FAO, OECS, JICA, Govt. of GND and most recently the Magdelesa Project
 - ▶ Fishers have also deployed FADs which was short leaved
 - ▶ FADs were deployed in commercial shipping lane
 - ▶ Inadequate capacity in the construction and deploying of FADs
 - ▶ Lack of policy/mechanisms in place for collecting of FAD data, separately from commercial fish landings data
 - ▶ Theft of buoys on FADs by longline fishermen
 - ▶ Poor quality of FADs constructed by fishers
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Current Information on FADs

- ▶ Approximately fifty(50) boats utilize the FAD
 - ▶ Percentage of the fishing fleet engage in FAD fishing 7%
 - ▶ Thirty (30) boats engage in commercial FAD fishing
 - ▶ Twenty (20) boats engage in catching of bait
 - ▶ Recorded landings from FAD fishing 49,916 Lbs
 - ▶ Percentage to national fish landings 1.2%
 - ▶ Two additional FADs have been deployed privately
 - ▶ Petit Martinique Longliners are engaged in FAD fishing
 - ▶ Two CARIFICO meetings have been held with FAD fisher and Japanese experts.
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Grenada's Fishing Fleet

Longline Trawlers



Pirogues engaged
in longline fishing



Pirogue engaged in
trolling & FAD fishing



Pirogue engaged in
demersal fishing



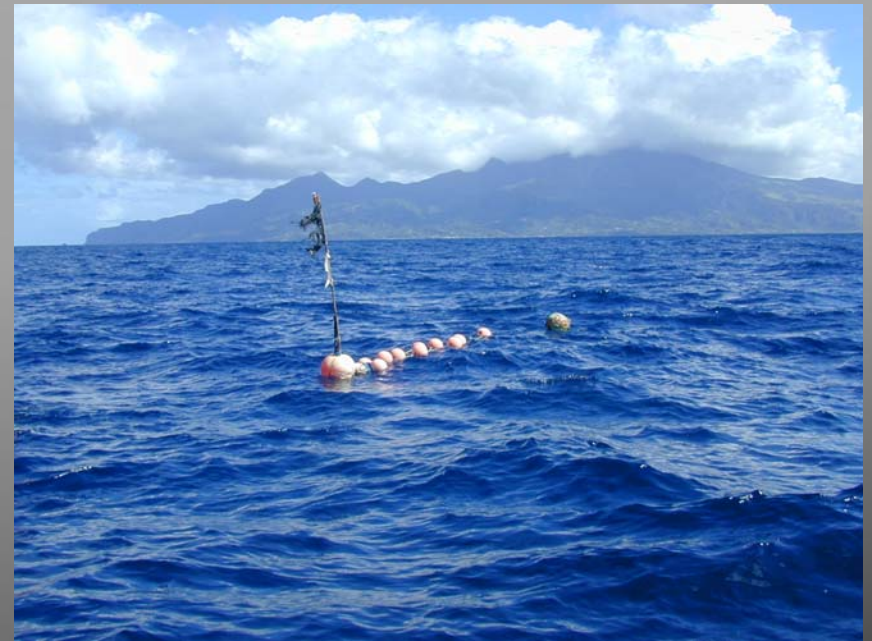
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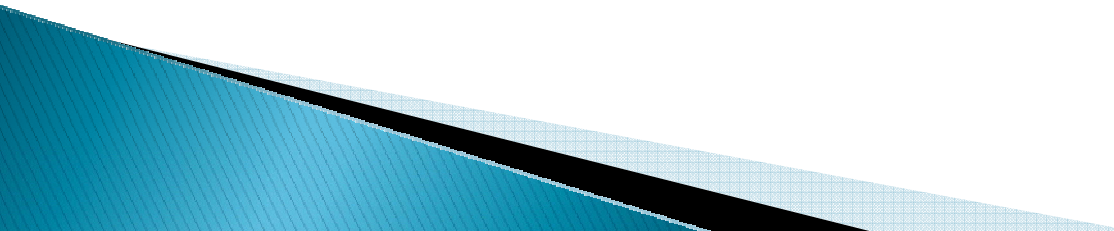
Construction of FAD



Deploying of FAD



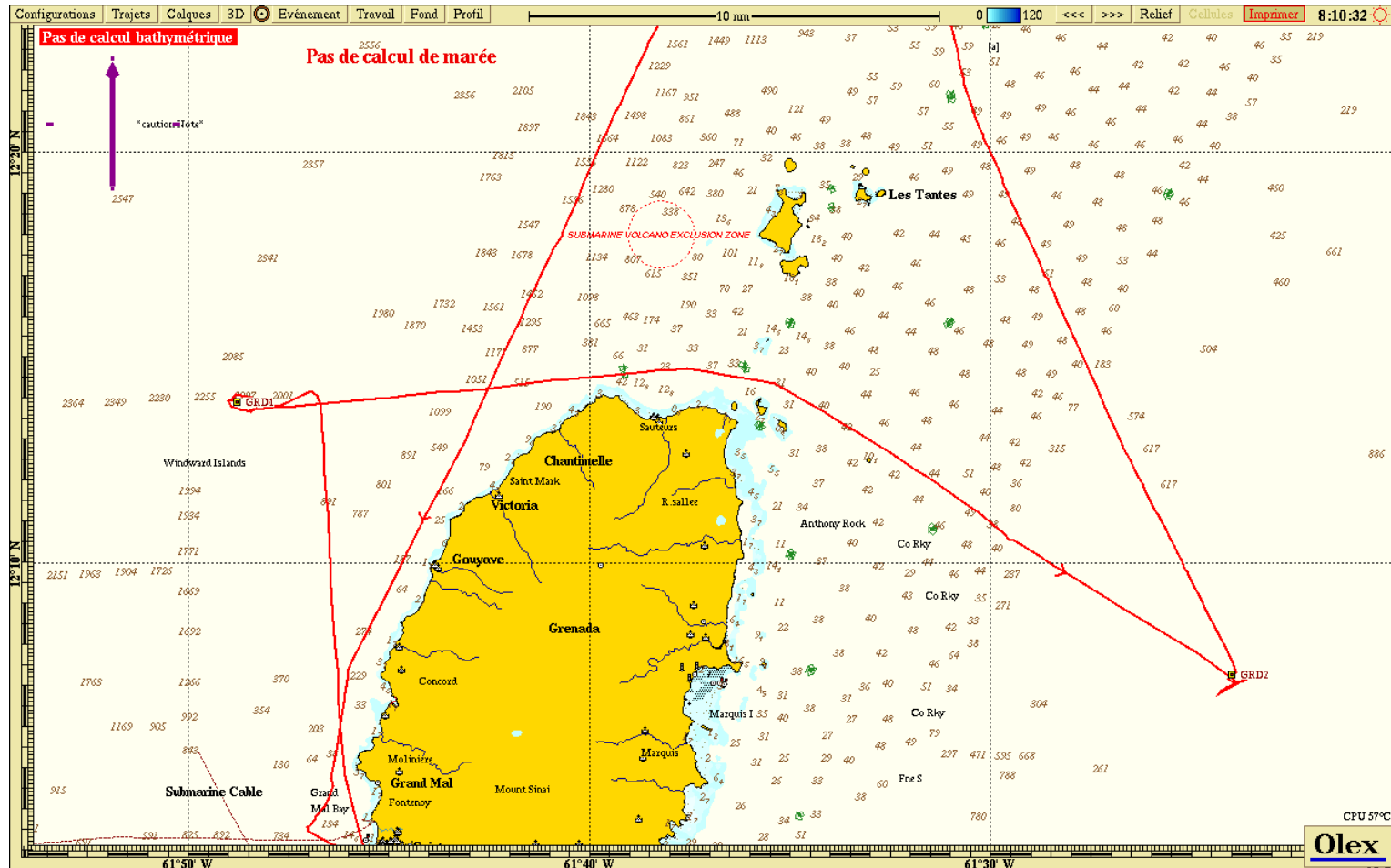
Management of FADs

- ▶ The management of FADs in Grenada remains a challenge
 - ▶ Fisheries laws does not make provision for governing FADs
 - ▶ Lack of maintenance
 - ▶ Limited monitoring of FADs
 - ▶ Inadequate consultation and communication with fishers
 - ▶ Inappropriate selection of site for deploying FADs resulting in lost of equipment and investment
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Existing FAD East Coast of Grenada

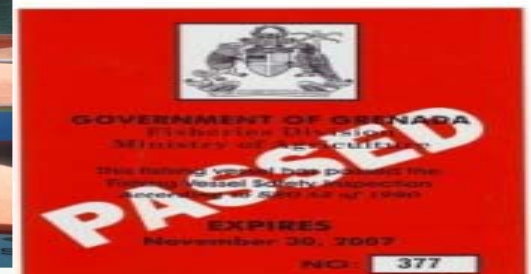
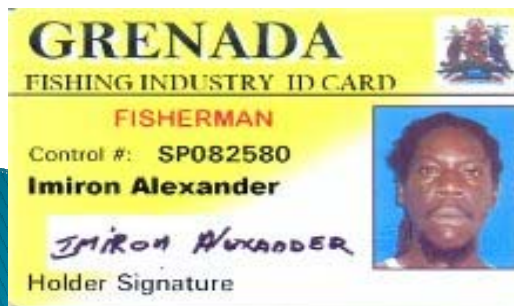
FAD – GRD2	
Position North and West coordinates	12°.07.271 N / 61°.24.005 W
Water Depth (m)	840m Length of rope 1300m
Distance from main fish market/landing site (NM)	13.5 Nautical Miles
Date of deployment	June 2012
Design of FAD	Magdelesa Project
Estimation cost	
Funding agency	Indereg / Ifremer (Magdelesa Project)
Management body	Fisheries Division?
Number of fishing boats utilizing the FAD	30 – 50
Fishing community to which the majority of boats belong	Soubise, St. Andrew's
Fish market where the boats land the catch	Grenville Fish Market
Fishing gear and methods utilized	Trolling / small Tuna like species

Location of FAD deployed by Magdelesa Project

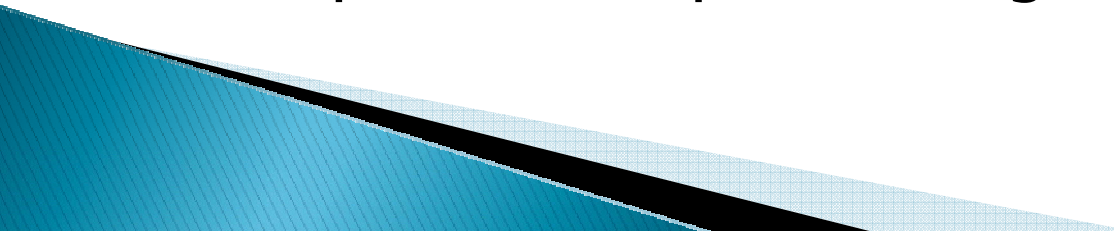


Registration, Licencing & Inspection of Fishing Vessels

- ▶ The Fisheries laws require all fishing vessels to be registered and licenced
- ▶ It is advised by the Fisheries Division that registration numbers be placed on all registered fishing boats.
- ▶ Registered Fishers are issued with photo IDs processed by the Fisheries Division. This process is continuous.



Data Collection and Management

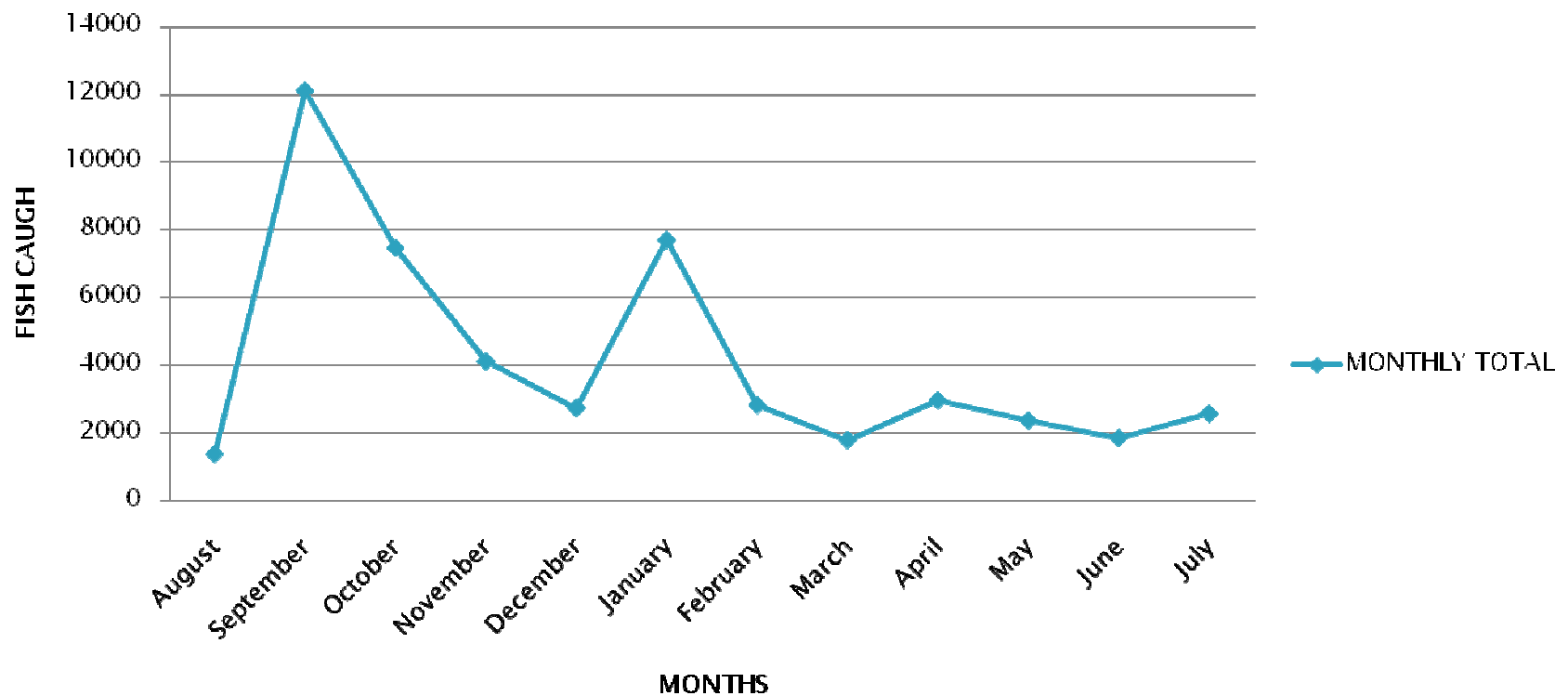
- ▶ As of August 2012 management systems have been put in place to enhance the collecting and recording of FAD data
 - ▶ A database has been established for inputting FAD data
 - ▶ Catch and effort data are collected
 - ▶ Fish caught around the FAD is weighed and recorded at the Grenville Fish Market
 - ▶ The monitoring of species of fish caught around the FAD is ongoing
 - ▶ Reporting of irregularities are investigated
 - ▶ Catching of juveniles is under review as there is no specific law prohibiting, the catching of same.
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FISH CAUGHT AROUND THE FAD

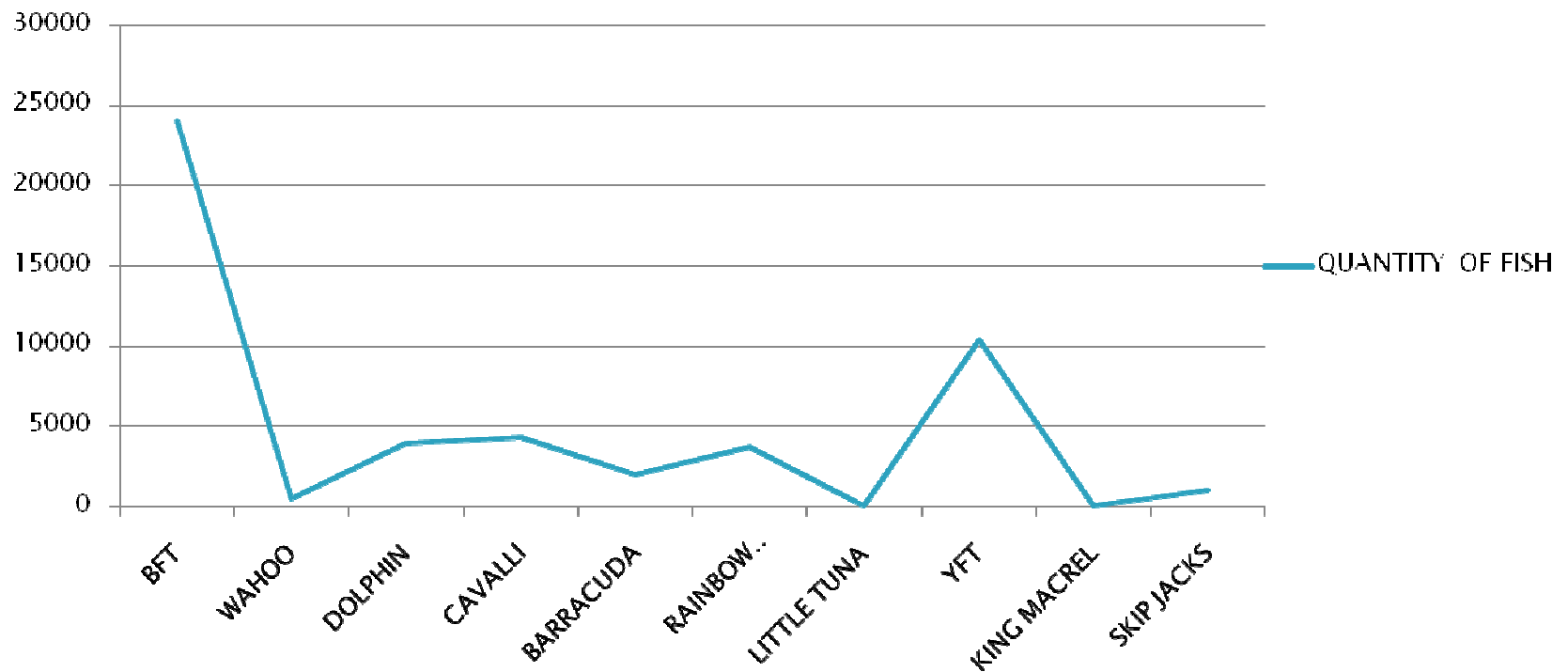
MONTHS	BFT	WAHOO	DOLPHIN	CAVALLI	BARRACUDA	RAINBOW RUNNER	LITTLE TUNA	YFT	KING MACREL	SKIP JACKS	MONTHLY TOTAL
August	730	44	316	188	43	48		9			1378
September	7775	44	1757	1089	345	355		702		52	12119
October	3210	80	744	1059	317	717		1336	9		7472
November	1522		141	439	982	641	3	337	21	29	4115
December	804	37	36	495	132	363	10	839	26		2742
January	3716	229	87	97	182	322	8	2816		244	7701
February	1313	31	42	68	15	159		1076		125	2829
March	852		97	30	2	87		624		104	1796
April	1472	15	162	430		412		313		164	2968
May	917		103	160		467		648		71	2366
June	885		252	235		35		352		98	1857
July	837		203			118		1316		99	2573
Yearly Total	24033	480	3940	4290	2018	3724	21	10368	56	986	49916

FAD Monthly Production

PRODUCTION CHART OF
FISH CAUGHT AROUND THE FAD 49,916 lbs



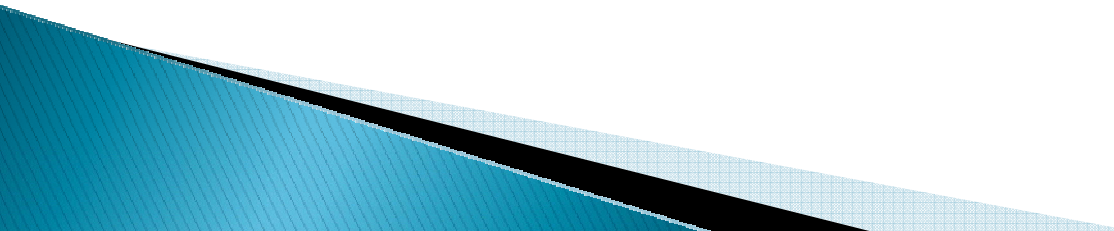
QUANTITY AND SPECIES OF FISHIES CAUGHT FOR THE YEAR AROUND THE FAD



Fish Caught Around the FAD



FAD Maintenance

- ▶ Lack of policies in place in Grenada regarding co-management and monitoring of FADs
 - ▶ Fishing around the FAD is open access fishing
 - ▶ Ownership of the FAD has not been established
 - ▶ Maintenance is non-existent
 - ▶ Inadequate information on maintenance of FADs needs to be addressed
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CARIFICO FAD Fishers Consultation & Meeting



Consultation at Bain's
Hall, Grenville 25/07/13

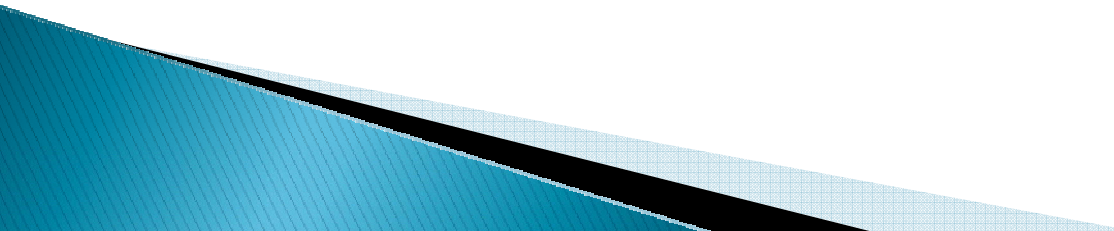


Meeting at Grenville Fish
Complex 13/11/13



NJCC Meeting at The Fisheries Division
Conference Room 21/08/13

Conclusion

- ▶ FAD fishing has tremendous potential and must be encouraged at the policy level by legislation being put in place to minimize irregularities/ conflicts
 - ▶ Mechanism should be established for monitoring, maintenance and co-management of FAD fishing
 - ▶ Data collection system also needs to be enhanced to conduct analysis for decision making regarding FAD fishing
 - ▶ Fisherfolks must be properly trained before being allowed to engage in FAD fishing
 - ▶ Workshop must be organized and conducted to inform fisherfolks of the use of appropriate gear to maximize catch in FAD fishing
 - ▶ Sub surface FADs should be encouraged
 - ▶ Droplines technologies should encouraged for FAD fishing
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THANK YOU

