

Serua Island Report - Fin-Fish Assessment.

Catch Data. (10/09/02)

SITE: Inter-lagoon area, White sand bottom with coral -rock colonies spreading throughout the area (next to Seaweed farm area). Water depth varies from 1mduring low tide to 2-3m during high tide.

Catch derived using 2 rolls of 2-inch and 1 roll of 3-inch gill nets with a time frame of 4Hrs from mid-high tide to low tide.

Fijian Name	Common Name	Scientific Name	Weight (Grams)	Length (cm)
1. Sokisoki	Porcupine Fish	<i>Diodon hystrix</i>	3.5 kg	51
2. Kacika	Slender Emperor	<i>Lethrinus xanthurus</i>	720	38
3. Kacika	Slender Emperor	<i>Lethrinus xanthurus</i>	1.62 kg	49
4. Kacika	Slender Emperor	<i>Lethrinus xanthurus</i>	1.7 kg	48
5. Kacika	Slender Emperor	<i>Lethrinus xanthurus</i>	430	31
6. Kacika	Slender Emperor	<i>Lethrinus xanthurus</i>	123	44
7. Dokonivudi	Long Nose Emperor	<i>Lethrinus elongatus</i>	330	39
8. Dokonivudi	Long-Nose Emperor	<i>Lethrinus elongatus</i>	700	41
9. Dokonivudi	Long-Nose Emperor	<i>Lethrinus elongatus</i>	740	43
10. Saku	Long Tom	<i>Tylosurus crocodilus</i>	1.74 kg	90
11. Mama	Blue-line Large Eye Bream	<i>Gymnocranius robinsoni</i>	610	34
12. Camani Waqa(Ose)	Dash-Dot Goat fish	<i>Parupeneus barberinus</i>	810	37
13. Camani Waqa(Ose)	Dash-Dot Goatfish	<i>Parupeneus barberinus</i>	620	35
14. Camani Waqa(Ose)	Dash-Dot Goatfish	<i>Parupeneus barberinus</i>	420	30
15. Camani Waqa(Ose)	Dash-Dot Goatfish	<i>Parupeneus barberinus</i>	610	37
16. Cumu	Yellow Eye Leather Jacket	<i>Cantherhinus dumerilii</i>	1.24 kg	35
17. Cumudamu	Titan Triggerfish	<i>Balistoides viridescens</i>	2.4 kg	44
18. Ravi			340	24
19. Ulavi			520	30
20. Ulavi			300	25
21. Ulavi			340	25
22. Ulavi			320	24
23. Ulavi			310	24
24. Ulavi			310	23
25. Ulavi			339	24
26. Ulavi			320	25
27. Ulavi			400	29
28. Ulavi			440	29

29. Ulavi			330	25
30. Ulavi			340	24
31. Ulavi			630	31
32. Ulavi			420	25
33. Karakarawa			330	25
34. Karakarawa			340	24
35. Karakarawa			630	31
36. Karakarawa			420	25
37. Karakarawa	Wrasse	<i>Epibulus insidiator</i>	240	21
38. Nuqa	Rabbit Fish		330	27
39. Balagi	Yellowfin Surgeonfish	<i>Acanthurus xanthopterus</i>	310	24
40. Meto			230	22
41. Meto			210	22
42. Meto			140	19
43. Meto			200	18
44. Meto			210	21
45. Ta	Unicorn Fish	<i>Naso</i>	200	20
46.	Box Fish		610	26
47. Vonu	Turtle		11 kg	Carapus 43-length 41-width 25- fr flipr 14-rr flipr

2nd Catch – 13/09/02

Site : Reef top area from Navaibale to Naitabale 0with loose coral rub bottom.
Time frame – 1 hour (During low tide)
Heavy rain condition

Fijian Name	Common Name	Scientific Name	Weight (grms)	Length (cm)
1. Dokonivudi	Long-nosed Emperor	<i>Lethrinus elongatus</i>	1.6 kg	50
2. Ta	Unicorn Fish	<i>Naso</i>	1.2 kg	48
3. Saqanivata	Blue-fin Trevally	<i>Caranx melapygus</i>	800	40

3rd Catch – 16/09/02

Site : Same Area as catch one but at a different location with heavy rain conditions but a time frame of 45 mins..

Fijian Name	Common Name	Scientific Name	Weight (grms)	Length (cm)
1. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
2. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
3. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
4. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
5. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
6. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
7. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
8. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
9. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
10. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
11. Vilu	Golden Trevally	<i>Gnathnodon speciosus</i>	340	28
12. Balagi	Yellowfin Surgeonfish	<i>Acanthurus xanthopterus</i>	300	29
13. Balagi	Yellowfin Surgeonfish	<i>Acanthurus xanthopterus</i>	300	29
14. Saqa	Bludger Trevally	<i>Carangoides gymnostethus</i>	800	35
15. Saqa	Bludger Trevally	<i>Carangoides gymnostethus</i>	800	35
16. Saqa	Bludger Trevally	<i>Carangoides gymnostethus</i>	200	23
17. Saqa	Bludger Trevally	<i>Carangoides gymnostethus</i>	180	20
18. Ta	Long-snouted Unicorn Fish	<i>Naso</i>	2.1 kg	47
19. Cumu	Titan Triggerfish	<i>Balistoides vividescens</i>	2.4	38
20. Ulavi	Yellowfin Parrotfish	<i>Scarus flavipicturus</i>	640	33
21. Mama	Spotted Seabream	<i>Gymnocranius sp.</i>	240	27
22. Mama	Spotted Seabream	<i>Gymnocranius sp.</i>	240	27
23. Kabatia	Thumbprint Emperor	<i>Lethrinus harak</i>	370	28
24. Donau	Indian Goatfish	<i>Parupeneus indicus</i>	310	28
25. Ose	Dash-dot Goatfish	<i>Parupeneus barberimus</i>	300	28
26. Karakarawa	Yellow-barred Parrotfish	<i>Scarus dimidiatus</i>	340	28

4th Catch – 17/09/02

Site : Inter- lagoon area, with different location from the previous catches however same characteristic features. Weather condition – Very heavy rain and strong wind, poor visibility. Time of gillnetting is 2 hrs from mid-high tide to low tide.

Fijian Name	Common Name	Scientific Name	Weight (grms)	Length (cm)
1. Saku	Crocodile Longtom	<i>Tylosarus crocodilus</i>	2 kg	81
2. Saku	Crocodile Longtom	<i>Tylosarus crocodilus</i>	2 kg	81
3. Saku	Crocodile Longtom	<i>Tylosarus crocodilus</i>	2 kg	81
4. Votonimoli	Needleskin Queenfish	<i>Scomberoids tol</i>	3 kg	67
5. Ose	Dash-dot Goatfish	<i>Parupeneus barberinus</i>	800	37
6. Ose	Dash-dot Goatfish	<i>Parupeneus barberinus</i>	500	33
7. Mama	Spotted Seabream	<i>Gymnocranius</i>	370	27
8. Dokonivudi	Long-nose Emperor	<i>Lethrinus elongatus</i>	660	30
9. Dokonivudi	Long-nose Emperor	<i>Lethrinus elongatus</i>	2 kg	45
10. Mama	Spotted Seabream	<i>Gymnocranius</i>	300	15
11. Karakarawa	Bleekers Parrotfish	<i>Scarus bleekeri</i>	500	30
12. Ulavi	Yellowfin Parrotfish	<i>Scarus flavipectorals</i>	380	25
13. Ulavi	Yellowfin Parrotfish	<i>Scarus flavipectorals</i>	400	28
14. Saqa	Bludger Trevally	<i>Carrangoides gymnostethus</i>	300	27
15. Balagi	Yellowfin Surgeonfish	<i>Acanthurus xanthopterus</i>	460	27
16. Draunikura	Triple- tail Maori Wrasse	<i>Cheilinus trilobatus</i>	290	24
17. Draunikura	Triple- tail Maori Wrasse	<i>Cheilinus trilobatus</i>	290	24
18. Sabutusoro	Orange striped Emperor	<i>Lethrinus obsoletus</i>	300	27
19. Matu	Oceanic Silverbiddies	<i>Cerres oyena</i>	180	24
20. Kawago	Spangled Emperor	<i>Lethrinus nebulosis</i>	200	25
21. Vai	Kuhls Sting ray	<i>Dasyatis kuhlii</i>	1.5 kg	Body Lgth-55 Wdth-35

5th Catch – 18/09/02

Catch obtained by free diving (using rubber and gilbert spear) for 2hrs on coral rock patches with fine white sand bottom. Weather condition – hot sunny day with slight breeze, water temperature – 25 deg.

Fijian Name	Common Name	Scientific Name	Weight (grms)	Length (cm)
1. Sabutu	Yellow-tail Emperor	<i>Lethrinus mahsena</i>	420	28
2. Sabutu	Yellow-tail Emperor	<i>Lethrinus mahsena</i>	300	26
3. Sabutu	Yellow-tail Emperor	<i>Lethrinus mahsena</i>	240	25
4. Sabutu	Yellow-tail Emperor	<i>Lethrinus mahsena</i>	190	23
5. Sabutu	Yellow-tail Emperor	<i>Lethrinus mahsena</i>	140	22
6. Sabutu	Yellow-tail Emperor	<i>Lethrinus mahsena</i>	140	20
7. Kake	Blackspot Snapper	<i>Lutjunas fulviflamma</i>	300	26
8. Kake	Blackspot Snapper	<i>Lutjunas fulviflamma</i>	220	23
9. Kake	Yellow margin Sea perch	<i>Lutjunas fulvus</i>	200	23
10. Kake	Yellow margin Sea perch	<i>Lutjunas fulvus</i>	200	23
11. Kake	Yellow margin Sea perch	<i>Lutjunas fulvus</i>	140	20
12. Cula ni Gatu (Dradra)	Sabre Squirrel fish	<i>Sargocentron spiniferum</i>	300	26
Gillnet Catch				
1. Cama ni Waqa (Ose)	Dash-dot Goatfish	<i>Perupeneus barberinus</i>	400	27
2. Mama (Kulabo)	Spotted Seabream	<i>Gymnocranius sp.</i>	840	33
3. Mama (Kulabo)	Spotted Seabream	<i>Gymnocranius sp.</i>	600	29
4. Mama (Kulabo)	Spotted Seabream	<i>Gymnocranius sp.</i>	400	26
5. Mama (Kulabo)	Spotted Seabream	<i>Gymnocranius sp.</i>	300	23
6. Kawago	Spangled Emperor	<i>Lethrinus nebulosis</i>	700	33
7. Kawago	Spangled Emperor	<i>Lethrinus nebulosis</i>	300	27
8. Kawago	Spangled Emperor	<i>Lethrinus nebulosis</i>	220	26
9. Kacika	Slender Emperor	<i>Lethrinus xanthochillus</i>	220	27
10. Kacika	Slender Emperor	<i>Lethrinus xanthochillus</i>	1.5 kg	41
11. Cumu Damu	Yellow Margin triggerfish	<i>Pseudobalistes flavimarginatus</i>	4 kg	50