



2004 FISHERIES STATISTICS REPORT

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Introduction.

This report briefly summarizes the 2004 annual figures for fisheries commercial export, home consumption, fish catch, imports, company local purchase records and the number of fish export establishment licenses issued.

Commercial Exports.

Fisheries commercial export is centered around inshore commercial resources such as trochus (*Trochus niloticus*), sea cucumber (holothuria spp.), giant clams (Tridacna spp.) and marine aquarium trade. In 2004, marine aquarium trade has become a major fisheries export product (Table 1).

Trochus (*Trochus niloticus*)

Trochus shell export comes under three semi-processed categories. These include button blanks, shell rims and scraps. These are exported primarily to China and Hong Kong. The semi- processed button blanks will be further processed and use for high quality clothing and the rims and scraps are mostly used for souvenirs, designs and inlay works. The total trochus export for 2004 is 35 tons with a total value of approximately 35 million vatu (Table 1 & Fig. 1).

Beche-de-mer

Beche-de-mer is a dried product of sea cucumber. Sea cucumber is a non- traditional resource therefore is not consumed locally. However it is a delicacy in Asian countries and all beche-de-mer export is destined for the Asian markets, particularly in China and Hong Kong. 2004 total beche-de-mer export is 14 tons with a total approximate value of nearly 14 million vatu (Table 1 & Fig. 2).

Giant clams

Giant clam export is primarily for aquarium purposes and is exported live mostly to the USA. 2004 clam export has a 21% decrease from 2003 total exports with a total value of Vt687,880 (Table 1 & 10). The decrease is due to the current policy on wild harvest for export of some giant clam species.

Marine Aquarium Trade

Marine aquarium trade is the harvest, keeping and trade of live fish, corals, live rocks and various invertebrates such as giant clams, seastar, shells and shrimps.

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Aquarium Fish

There are over 300 aquarium fish species exported from Vanuatu for aquarium trade. These are mostly exported to USA, Europe, Asia and Australia. The total number of fish exported in 2004 is approximately 70,000 pieces with the approximate value of 12 million vatu (Table 1).

Hard Corals, Soft corals, Live Rock & Invertebrates

Coral exported are primarily cultured corals. This is due the current ban of wild harvest of coral for exported. The total number of cultured corals exported in 2004 is 30 pieces a very significant decrease from the total number exported in 2003 which is 2185 pieces (Table 1 & 10).

Total soft coral exported in 2004 is 40 pieces with an approximate value of 18,560 vatu (Table 1 & 10).

The total live rock export for 2004 is 56 tons with an approximate value of 4.5 million vatu (Table 1 & Fig. 6).

Various invertebrates species exported in 2004 include seastar, sea urchin, shrimps and octopus. The total number exported is 3,791 pieces with the approximate value of 188,790 vatu (Table 1 & Fig.10).

Fish Export

Fish exported is primarily to Australia with a total quantity of 500 kg and an approximate value of 350,000 vatu. The quantity of fish exported is usually limited due to high local demand for the particular fish species that's being exported (Table 1 & Fig. 4).

Green snail (*Turbo marmoratus*)

The total quantity of green snail exported in 2004 is 227 kg with an approximate value of 131,660 vatu. A significantly small quantity of exported due to the continuous declining stock of the resource in archipelago (Table 10 & Fig. 3).

Shark Fin

The total shark fin exported in 2004 is 48 kg with an approximate value of 161,472 vatu (Table 1 & Fig. 7).

Home Consumption

Home consumption or private exports are fisheries products that people travel with for the purpose of home consumption. Various fisheries products for home consumption include coconut crab (*Birgus latro*), rock lobsters, fish, beche-de-mer, shark fin and fresh water prawns. Refer to table 2 for home consumption figures for 2004.

Imports

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Fisheries import permit is issued both for private and commercial purposes. In 2004, 23 fisheries import permits were issued for various fisheries products including fish, prawns, mussels and trochus. The total import quantity in 2004 is about 19 tons with trochus accounting for 98% of the total import. Refer to table 3 for the total import figures.

Fish Catch

2004 fish catch is principally for local commercial and artisanal fishing activity. The commercial fishing can be further categorized into bottom longline and pelagic longline fishing activities.

Commercial Fishing

Bottom Longline Fish Catch

The bottom longline fish catch for 2004 is about 12 tons. The short red tail poulet (*Etelis carbonculus*) and the long tail red poulet (*Etelis coruscans*) account for the bulk of the total bottom longline fish catch. Table 4 shows the bottom longline fishing catch.

Pelagic Longline Catch

The total 2004 pelagic longline fish catch is about 1.6 tons. A variety of pelagic commercial species are caught including tuna, marlin and skipjack. Table 5 shows the total catch.

Artisanal Fish Catch

The total artisanal fish catch for 2004 is about 19 tons with the approximate value of nearly 8 million vatu. The bottom fish species made up the bulk of the fish quantity with over 70% followed by the pelagic species and reef fish species. Table 6 shows the total 2004 artisanal fishing catch.

Fish Market Production

A total of 22 tons of fish was purchase by 5 fish markets in 2004 worth of approximately 4.9 million vatu. The fish species includes various commercial species of pelagic, deep bottom and reef fish species (Table 7).

Company Local Purchase Records

A total of 120 tons worth of 26 million vatu of various inshore species purchase by four companies throughout Vanuatu. These species includes trochus, beche-de-mer, green snail, MOP, Turban shell and shark fin. Refer to table 8 for the company local purchase records.

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Fish Export Establishment Licenses

A total of 21 Fish Export Establishment Licenses were issued to 10 companies in 2004. The licenses issued includes beche-de-mer, Trochus, Aquarium fish, live rock, invertebrates, shark fin, Pen shell, turban shell, mop shell, cultured corals, giant clams and fresh water eels. Out of the 20 licenses issued, 6 were beche-de-mer licenses and 3 live rock license, others products have 1 each. Table 9 shows the total number of licenses for each companies and products.

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Appendix A

Table 1: Fisheries export production 2004.

PRODUCT	CATEGORY	QUANTITY	MEASUREMENT	TOTAL VALUE VATU
Aquarium Fish	Aquarium	129793	Pieces	24214932
Total		129793		24214932
Bech- De- Mer	Beche de mer	9495	Kgs	9369872.625
Black Fish	Beche de mer	50	Kgs	29616
Black Teat Fish	Beche de mer	217	Kgs	233540
Brown Fish	Beche de mer	505	Kgs	731210
Chalk Fish	Beche de mer	25	Kgs	26100
Curry Fish	Beche de mer	20	Kgs	37120
Elephant Trunk	Beche de mer	96	Kgs	56800
Green Fish	Beche de mer	426	Kgs	820494
Loli Fish	Beche de mer	580	Kgs	240520
Prickly Fish	Beche de mer	85	Kgs	154920
Sand Fish	Beche de mer	48	Kgs	65552
Surf Red Fish	Beche de mer	1799	Kgs	1572388
Tiger Fish	Beche de mer	433	Kgs	282646
White Teat Fish	Beche de mer	270	Kgs	313464
Total		14049		13934242.63
Cultured Coral	Coral	30	Pieces	0
Total		30		0
Poulet Fish	Fish	500	Kgs	350000
Total		500		350000
Tridacna maxima	Giant Clam	585	Pieces	678600
Tridacna maxima, cultureed	Giant Clam	10	Pieces	9280
Total		595		687880
Green Snail	Green Snail	227	Kgs	131660
Total		227		131660
Invertebrates	Invertebrates	3791	Pieces	188790
Total		3791		188790
Live Rock	Live Rock	56400	Kgs	4550100
Total		56400		4550100
Shark Fin	Shark Fin	48	Kgs	161472
Total		48		161472
Soft Coral	Soft Coral	40	Pieces	18560
Total		40		18560
2nd Quality Shell Blank	Trochus	2900	Kgs	894824
Shell Materials	Trochus	8000	Kgs	1002240
Trochus: Button Blanks	Trochus	17250	Kgs	32381400
Trochus: Scraps	Trochus	7480	Kgs	867680
Total		35630		35146144

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Table 2: Home consumption 2004

Home consumption Item	Quantity	Measurement
Beche-de-mer	10	kg
Coconut crab	70	kg
Fish	87	kg
Fresh water prawns	5	kg
Shark fin	5	kg
Total	177	kg

Table 3: Fisheries imports 2004.

Imported Products	Quantity	Measurement
Prawns	125	kg
Frozen salmon	10	Kgs
Frozen reef fish	15	Kgs
Fish (Frozen)	5	Kgs
Frozen Nile Perch	6	Kgs
Tuna	15	Kgs
Jade Perch & Red Claw	200	Pieces
Green Mussels	5	Kgs
Illex Tubes (squid)	5	Kgs
Mussels	10	Kgs
Trochus	18609	Kgs

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Table 4: Bottom Longline Fishing Catch.

Fishing Company Name	Species Name	Total Kg Of Species
LTP	Red Short Tail	2108
LTP	Red Long Tail	376
LTP	Large Eye Bream	702
LTP	Loche	89
Total		3275
Ocean Fishing Ltd.	Red Short Tail	4193
Ocean Fishing Ltd.	Red Long Tail	4266
Ocean Fishing Ltd.	Spotted Loche	68
Ocean Fishing Ltd.	Amberjack	15
Ocean Fishing Ltd.	Yellow Fin	241
Ocean Fishing Ltd.	Mahi Mahi	19
Ocean Fishing Ltd.	Albacore	6
Ocean Fishing Ltd.	Shark	173
Ocean Fishing Ltd.	Stripped Bream	28
Ocean Fishing Ltd.	Stripped Loche	20
Ocean Fishing Ltd.	Loche	117
Total		9146

Table 5: Pelagic Longline Fishing Catch.

Fishing Company Name	Species Name	Total Kg Of Species
LTP	Other	50
LTP	Other	58
LTP	Other	69
Total		177
Ocean Blue Vanuatu	Wahoo	140
Ocean Blue Vanuatu	Yellow Fin	73
Ocean Blue Vanuatu	Skipjack	32
Ocean Blue Vanuatu	Mahi Mahi	42
Ocean Blue Vanuatu	Dogtooth Tuna	12
Ocean Blue Vanuatu	Rainbow Runner	4
Ocean Blue Vanuatu	Baracuda	18
Ocean Blue Vanuatu	Shark	100
Ocean Blue Vanuatu	Stripped Marlin	140
Ocean Blue Vanuatu	Black Marlin	915
Total		1476

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Table 6: Artisanal fishing catch.

Fishing Project Name	Total Kilos	Total Value Vatu
August Jimmy	61	28300
Daniel Nauka	815.5	473075
David Lay	1644.7	621455
Emae Fishermen Coop. Ass.	174	17000
GK	4244.2	1798635
John Willie	246.5	123250
Lan Dough	1132.3	260572
LTP	1817.2	740085
Northobut	110	29850
NTT John Takifu	451.8	155365
Panita Fish Market	330.5	53260
Ratoo	3789	2367950
SeaStar	421	85500
Sisi F.P	189	77500
Tagau	48	9600
Tautai	130	45000
Tiare II	2535.5	679110
TMT	1264.4	202045
Tomali Fishing Association	129.8	33465
Veilella	249	51440
Total	19783.4	7852457

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Table 7: Fish Market Production 2004.

Market Name	Market Island	Market Province	Total Quantity (Kg)	Total Value (Vt)
Chinese Restaurant- Santo	Espiritu Santo	Sanma	268	108,900
LTP	Efate	Shefa	11,306	2,000,935
Luganville Fish Market	Espiritu Santo	Sanma	9,808.60	2,793,873
Oyster Island Resort	Espiritu Santo	Sanma	510	
Santo Fish Market	Espiritu Santo	Sanma	550.5	
Total			22443.1	4903708

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Table 8: Company Local Purchase Records.

Export Company Name	Category	Total Quantity (Tons)	Total Value (Millions Vatu)
Hong Shell Products Co. Ltd	Trochus	53	17
Hong Shell Products Co. Ltd	Beche de mer	41	3.5
Hong Shell Products Co. Ltd	Green Snail	0.061	0.0061
Hong Shell Products Co. Ltd	Mop	6.5	0.3
Hong Shell Products Co. Ltd	Pen shell	0.5	0.026
Hong Shell Products Co. Ltd	Turban Shell	9.6	0.4
Hong Shell Products Co. Ltd	Shark Fin	0.077	0.1
Ah John Enterprises	Beche de mer	2.5	1.3
Ah John Enterprises	Shark Fin	0.033	0.05
Kovan International Services	Beche de mer	3.7	1.4
VAN & KO International	Beche de mer	3.6	2
Total		120.571	26.0821

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Table 9: Fish Establishment License Issued in 2004

Company Name	License Type	License Number	Processes
Kovan International Services	Bech- De- Mer	01/2004	Drying & Export
Sustainable Reef Suppliers	Giant Clam (T. maxima, T. squamosa, T. crocea (Cultured))	02/2004	Collecting, Processing, Exporting
Sustainable Reef Suppliers	Aquarium Fish	03/2004	Collecting, Processing, Exporting
Sustainable Reef Suppliers	Live Rock (Scleractinia)	04/2004	Collecting, Processing, Exporting
Sustainable Reef Suppliers	Maricultured Coral	05/2004	Collecting, Processing, Exporting
Sustainable Reef Suppliers	Invertebrates	06/2004	Collecting, Processing, Exporting
Hong Shell Products Co. Ltd	Turban Shell (Tamagai)	07/2004	Purchasing, Processing, Exporting
Hong Shell Products Co. Ltd	Trochus	08/2004	Purchasing, Processing, Exporting
Hong Shell Products Co. Ltd	Mop Shell	09/2004	Purchasing, Processing, Exporting
Hong Shell Products Co. Ltd	Pen Shell	10/2004	Purchasing, Processing, Exporting
Hong Shell Products Co. Ltd	Shark Fin	11/2004	Purchasing, Processing, Exporting
Hong Shell Products Co. Ltd	Bech- De- Mer	12/2004	Purchasing, Processing, Exporting
Vaneel Ltd	Fresh Water Eels	13/2004	Purchasing, Processing, Exporting
Reef Life Vanuatu	Live Rock (Scleractinia)	14/2004	Collecting, Processing, Exporting
Ah John Enterprises	Bech- De- Mer	15/2004	Drying & Export
C & J Enterprise Ltd	Bech- De- Mer	16/2004	Drying & Export
Pacific Marine & Aquatic Export Ltd	Live Rock	17/2004	Collecting, Processing, Exporting
VAN & KO International	Bech- De- Mer	19/2004	Drying & Export
Oceania Sea Products Ltd	Bech- De- Mer	20/2004	Purchasing, Processing, Exporting
Oceania Sea Products Ltd	Shark Fin	21/2004	Purchasing, Processing, Exporting

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Table 10: Annual export production from 1995-2004

Year	Category	Total Quantity	Measurement	Total Value Vatu
1995	Aquarium	232	Pieces	26060
1995	Green Snail	350	Kgs	1218000
1995	Trochus	8089	Kgs	25658214.4
1996	Aquarium	3421	Pieces	906152.7188
1996	Fish	635	Kgs	136269.4589
1996	Green Snail	2665	Kgs	9254864
1996	Trochus	75910	Kgs	76975516.8
1997	Aquarium	2807	Pieces	747133.6484
1997	Beche de mer	38100	Kgs	8352874.969
1997	Fish	75	Kgs	225000
1997	Green Snail	3900	Kgs	9589800
1997	Trochus	81869	Kgs	98168503.86
1998	Beche de mer	19086	Kgs	7828280.875
1998	Green Snail	1060	Kgs	1221123.969
1998	Shark Fin	30	Kgs	3494400
1998	Trochus	104467	Kgs	158964323
1999	Aquarium	14177	Pieces	17400
1999	Beche de mer	18220	Kgs	5079170
1999	Fish	4818	Kgs	3264416
1999	Giant Clam	8446	Pieces	2963356
1999	Green Snail	600	Kgs	348000
1999	Invertebrates	2972	Pieces	201260
1999	Lobster	70	Kgs	42000
1999	Trochus	4968755	Kgs	11407628621
2000	Aquarium	471	Kgs	54636
2000	Aquarium	9052	Pieces	1856574.767
2000	Beche de mer	25500	Kgs	418160480
2000	Giant Clam	16625	Pieces	7120702.781
2000	Live Rock	11472	Kgs	1596839.047
2001	Aquarium	8897	Pieces	1528754.013
2001	Beche de mer	47694	Kgs	17609324.09
2001	Coral	6737	Pieces	922521.6061
2001	Fish	6685	Kgs	4369075
2001	Giant Clam	10008	Pieces	4094155.564
2001	Invertebrates	780	Pieces	44844.80078
2001	Live Rock	19195	Kgs	2278931.201
2001	Lobster	3494	Kgs	3403650
2001	Trochus	87013	Kgs	78921187.22

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Table 10 Continues

2002	Aquarium	20749	Pieces	5803346.273
2002	Beche de mer	8402	Kgs	5122676.385
2002	Coral	780	Pieces	328473.6016
2002	Fish	82	Kgs	71198.39844
2002	Giant Clam	737	Pieces	162606.083
2002	Invertebrates	50	Pieces	17472
2002	Live Rock	26950	Kgs	3734348.869
2002	Lobster	758	Kgs	838772.4844
2002	Oyster	18	Kgs	11741.18457
2002	Sea Crab	62	Kgs	54163.20313
2002	Shark Fin	22	Kgs	147160.8359
2002	Soft Coral	100	Pieces	116480
2002	Trochus	68951	Kgs	33481242.06
2003	Aquarium	148100	Pieces	41522370.58
2003	Beche de mer	25069	Kgs	12994087.51
2003	Coral	2185	Pieces	1020445.281
2003	Eel	120	Kgs	142990.8438
2003	Fish	5273	Kgs	3244200
2003	Giant Clam	2889	Pieces	3305952.961
2003	Green Snail	694	Kgs	627694.8125
2003	Invertebrates	20420	Pieces	2382914.07
2003	Live Rock	53150	Kgs	14225901.25
2003	Lobster	10	Kgs	2000
2003	Mop	800	Kgs	510000
2003	Sea Crab	2130	Kgs	2656770.063
2003	Shark Fin	478	Kgs	1786316.188
2003	Soft Coral	1420	Pieces	787344.0078
2003	Trochus	52775	Kgs	61531817.63
2004	Aquarium	129793	Pieces	24214932
2004	Beche de mer	14049	Kgs	13934242.63
2004	Coral	30	Pieces	0
2004	Fish	500	Kgs	350000
2004	Giant Clam	595	Pieces	687880
2004	Green Snail	227	Kgs	131660
2004	Invertebrates	3791	Pieces	188790
2004	Live Rock	56400	Kgs	4550100
2004	Shark Fin	48	Kgs	161472
2004	Soft Coral	40	Pieces	18560
2004	Trochus	35630	Kgs	35146144

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10.0. Appendix B

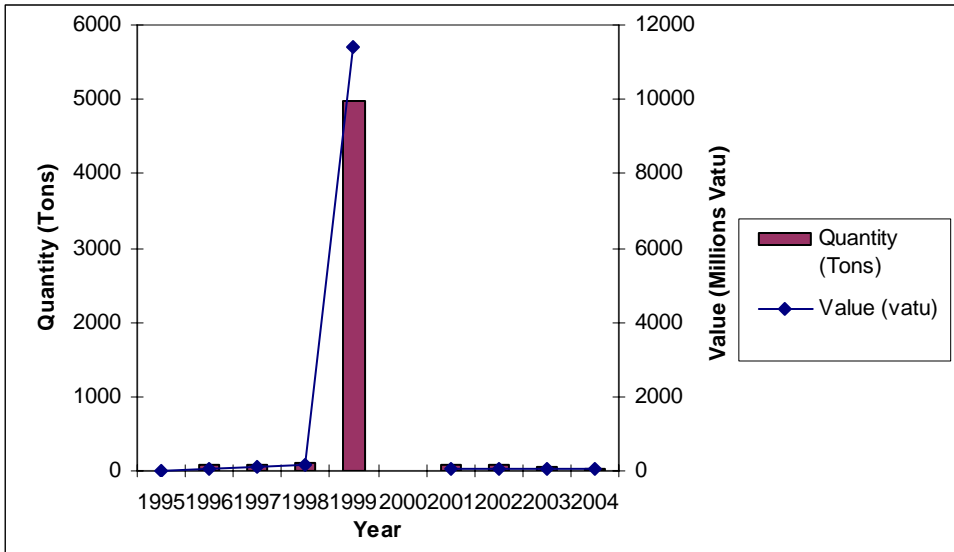


Figure 1: Trochus Annual Export Production.

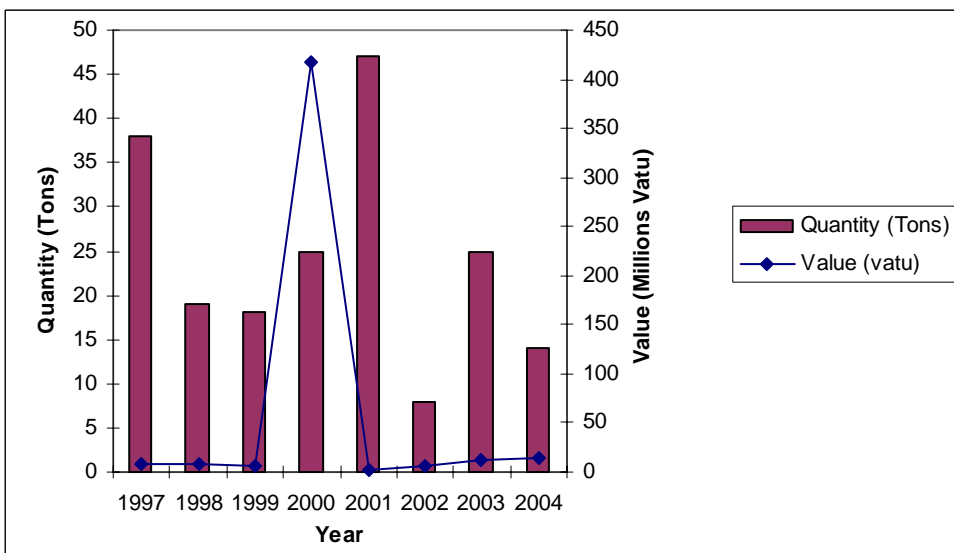


Figure 2: Beche-de-mer Annual Export Production.

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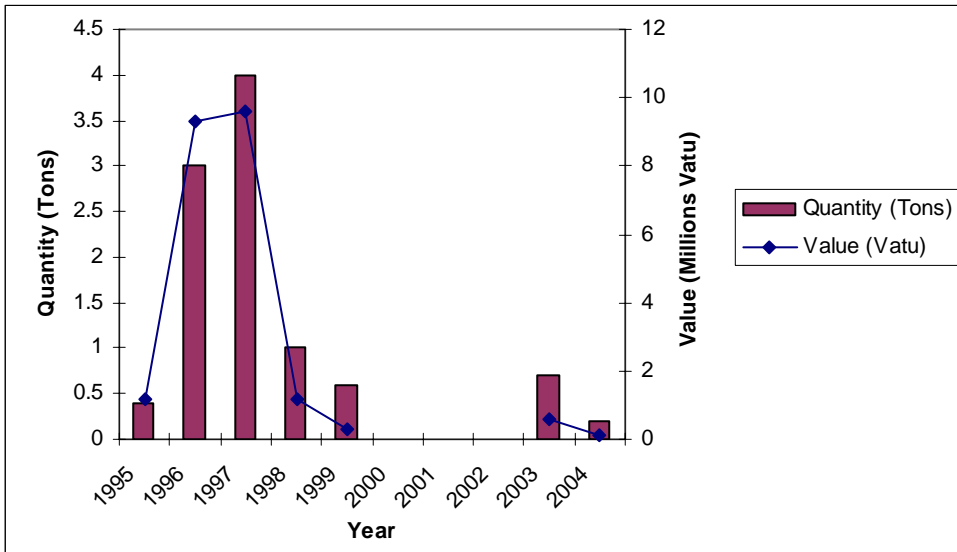


Figure 3: Green Snail Annual Export Production.

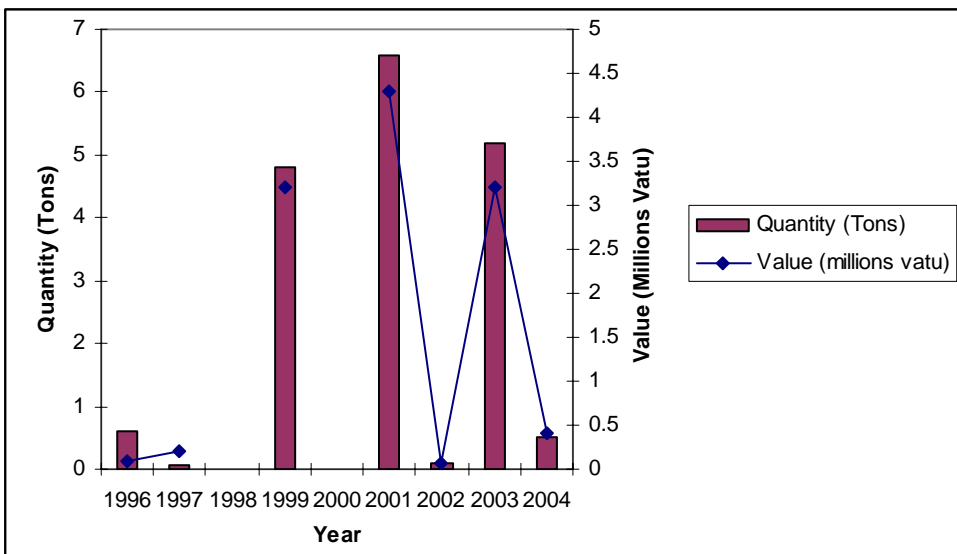


Figure 4: Fish Annual Export Production.

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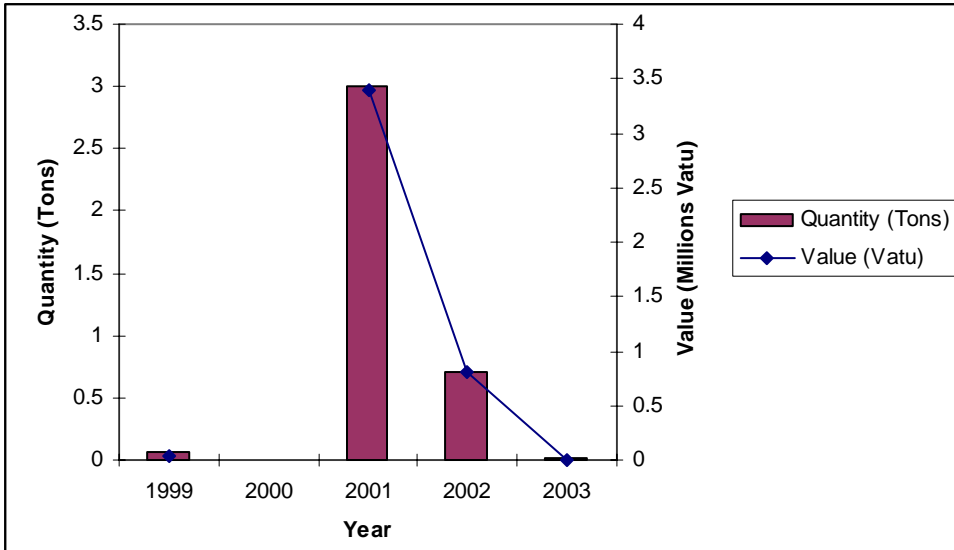


Figure 5: Lobster Annual Export Production.

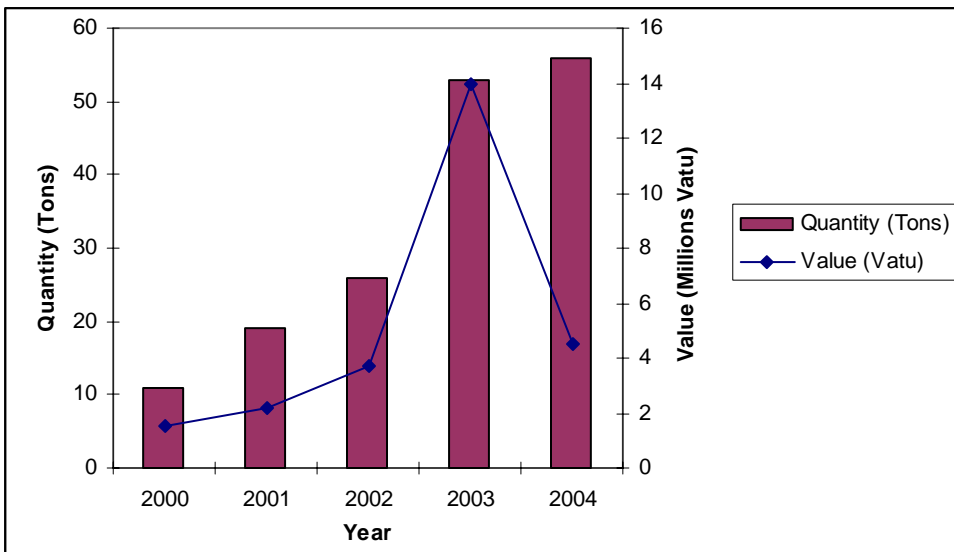


Figure 6: Live Rock Annual Export Production.

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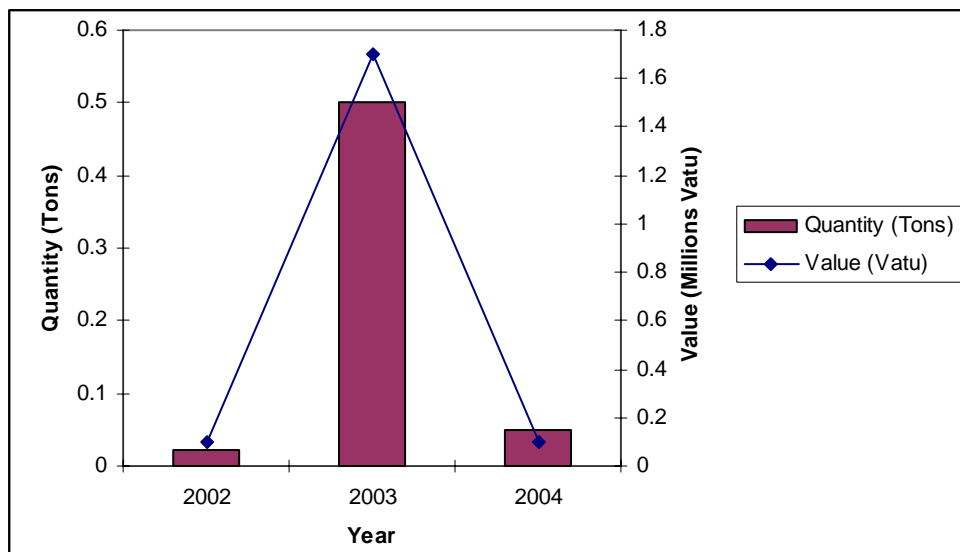


Figure 7: Shark Fin Annual Export Production.

Year	Trochus		Beche-de-mer		Green Snail		Fish		Lobster		Live Rock		Shark Fin	
	Tons	Millions Vt	Tons	Millions Vt	Tons	Millions Vt	Tons	Millions Vt	Tons	Millions Vt	Tons	Millions Vt	Tons	Millions Vt
1995	8	25			0.4	1.2								
1996	76	67			3	9.3	0.6	0.1						
1997	82	98	38	8.3	4	9.6	0.07	0.2						
1998	104	159	19	7.8	1	1.2								
1999	4968	11407	18	5.1	0.6	0.3	4.8	3.2	0.07	0.04				
2000			25	418							11	1.5		
2001	87	79	47	1.7			6.6	4.3	3	3.4	19	2.2		
2002	68	33	8	5.1			0.08	0.07	0.7	0.8	26	3.7	0.02	0.1
2003	52	62	25	13	0.7	0.6	5.2	3.2	0.01	0.002	53	14	0.5	1.7
2004	35	35	14	14	0.2	0.1	0.5	0.4			56	4.5	0.05	0.1

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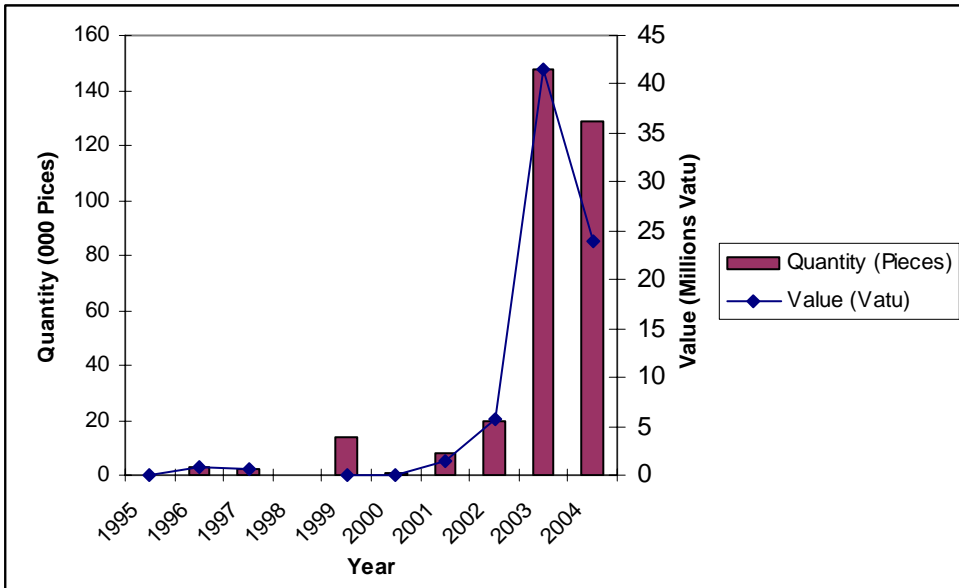


Figure 8: Marine Aquarium Fish Export Production.

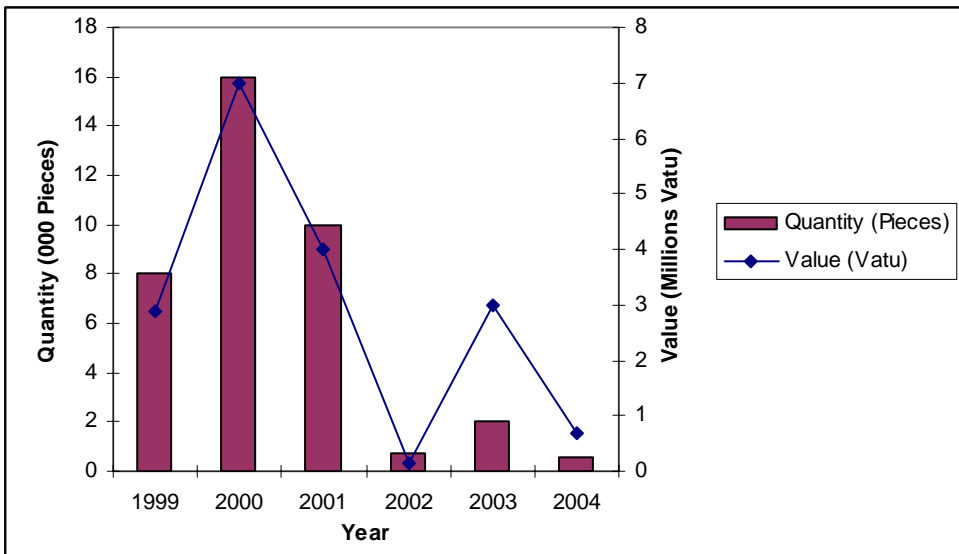


Figure 9: Giant Clam Annual Export Production.

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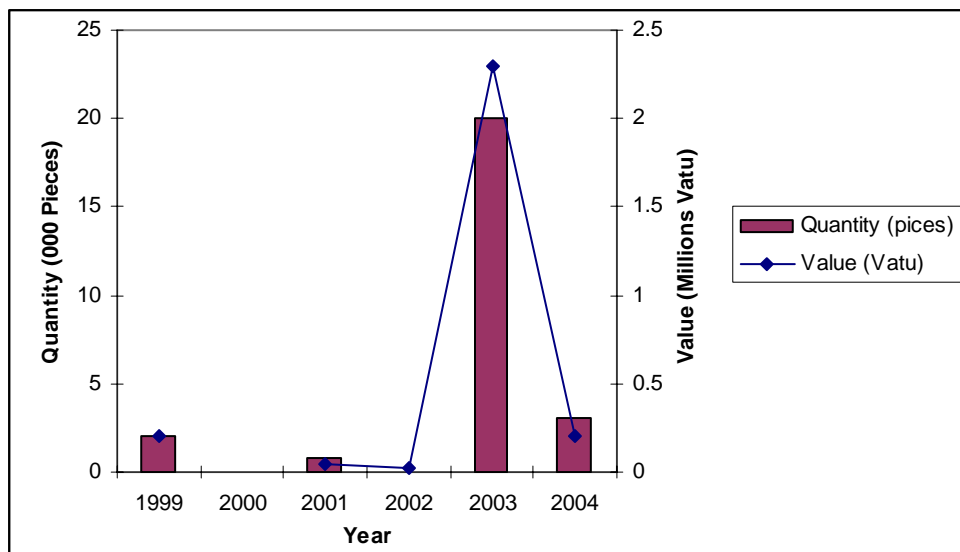


Figure 10: Invertebrates Annual Export Production.

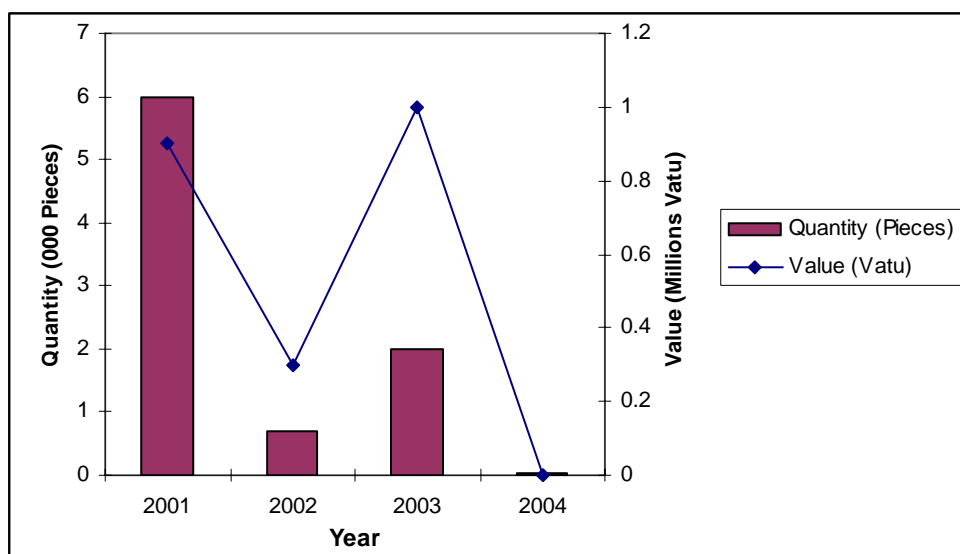


Figure 11: Cultured Coral Annual Export Production.

Year	Marine Aquarium		Giant clam		Invertebrates		Cultured coral	
	000 Pieces	Millions Vt	000 Pieces	Millions Vt	000 Pieces	Millions Vt	000 Pieces	Millions Vt
1995	0.2	0.02						
1996	3	0.9						
1997	2	0.7						
1998								
1999	14	0.02	8	2.9	2	0.2		
2000	0.4	0.05	16	7				
2001	8	1.5	10	4	0.8	0.04	6	0.9
2002	20	5.8	0.7	0.16	0.05	0.02	0.7	0.3
2003	148	41.5	2	3	20	2.3	2	1
2004	129	24	0.6	0.7	3	0.2	0.03	0

