

Government Expenditures on Fisheries and Fisheries Management in Iceland

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1. Introduction

This paper reports on a study of Icelandic government expenditures on fisheries and fisheries management during the period from 1990 to 1996. This study is a part of a joint Canadian, Icelandic and Norwegian project attempting to estimate consistently government expenditures on fisheries and fisheries management in these three countries and, subsequently, to compare these expenditures.

The purpose of fisheries management is presumably to increase the net economic benefits flowing from the fisheries. Obviously, the costs of operating the fisheries management system itself are among those to be subtracted from the gross benefits of fishing. Consequently, of particular interest in this study, is that part of government expenditures on fisheries that can be regarded as fisheries management costs. Not surprisingly, it turns out that this type of classification is quite difficult.

Another aspect of particular interest is to explore what extent it might be feasible to have the fishing industry itself pay for the cost of fisheries management. This issue which has attracted a good deal of interest in recent years and is likely to come to the forefront even more in the future, is not a simple one. The various possible arrangements in this respect are likely to have different economic implications not all of which can be optimal. Therefore, the issue of fisheries management cost recovery is a complicated one.

This paper reports on the first part of the study which was to collect and tabulate the relevant government expenditure data. Therefore, although, even at this initial stage, some judgments had to be made as to what to include in the database, the current paper basically reports the raw data without a significant degree of modification or correction.

Our approach was roughly as follows: Every item of government expenditure that appeared to be related to the fishing industry in a wide sense (i.e. fishing, fish processing and fish marketing) was recorded. The aggregate of these items constitutes what is referred to as *total government expenditures on the fishing industry*. It is clear that this measure constitutes an upper bound on what can be regarded as expenditures on fishing and fisheries management.

2. Data Source and Classification

The expenditure data comes from the official government expenditure record for the years 1990-1996.¹ This was carefully examined and all items that could be interpreted as direct or indirect supports for the fishing industry recorded. This included, for example, all government expenditures on fisheries research, surveillance, education and safety. More precisely, the following main expenditure items were included²:

1. Ministry of Education	
Account number	Item
02 507	Reykjavik Nautical School
02 518,352	Fish Processing School
02 571	The Nautical School building
02 506	The Engineering School
02 355 - 103,104	Vestmannaeyjar Nautical School
02 359 - 103,104,602	Dalvík Fisheries School
02 319 - 103,122	Fisheries Qualifications Courses

2. Ministry of Fisheries	
Account number	Item
05 101	Central office
05 299, 190	Various projects
05 201	Fisheries Association
05 204,290	Fisheries Directorate
05 202	Marine Research Institute
05 203	Fisheries Laboratories
05 216	The State Fish Products Quality Control
05 221	The Fisheries Price Board
05 272	Fisheries Research Building
05 901	Industrial Research Institutes

¹ Fjármálaráðuneytið 1990-96.

² For details see appendix 1.

3. Ministry of Justice	
Account number	Item
06 395	Coast Guard

4. Ministry of Communications	
Account number	Item
10 331,332,333,330	The Lighthouse and Port Authority
10 341,335	The Seafaring Institute
10 342, 120	Committee on Marine Accidents
10 511	State Radio
10 485-120,121,122,123,133	Communications Control
10 190-127,128,191	Contributions to safety at sea
	Contributions to transport safety

5. Ministry of the Environment	
Account number	Item
14 410	The Meteorological Bureau
14 190-129	Bethnic Research Project

6. Ministry of Foreign Affairs	
Account number	Item
30 401-118	International seafaring Institute, IMCO
-129	International Oceanographic Inst., IHB
-130	International Whaling Commission, IWC
-131	International Fisheries Research, ICES, ICNAF, NEAF etc
-157	North Atlantic Salmon Comm., NASC

Excluded, however, were direct contributions to fishermen and their associations such as fishermen's halls (sjomannastofur) and the annual fishermen's celebration day (Sjómanna dagur) was not included, as they have little to do with the fishing industry itself.

All the expenditure items which were thought to be relevant in the sense above they were categorized according to basically two criteria:

- (a) Whether the expenditure items in question were recurrent or "irregular" in the sense of occurring only in one or two years.

It turned out that most (well over 95%) of the expenditure items were of the first variety, i.e. recurring.

- (b) The responsible ministry.

During the period in question, there has actually been some movement of expenditure items between ministries, in particular to the Ministry of the Environment which has been expanding and assuming wider responsibilities. For example the Icelandic Meteorological Institute is now under the Ministry of Environment but used to belong to the Ministry of Communications. Another example are contributions to international institutes and organizations dealing with fisheries. These have been transferred from the Ministry of Foreign Affairs to the Ministry of Fisheries. In these cases the allocation of the expenditures are based on the placement of the expenditures in the most recent data year (1996).

3. Price Levels and Exchange Rates

For comparability of over time and across countries it is obviously necessary to (i) deflate the expenditure series by the appropriate price index and (ii) calculate the series according to a common currency numeraire.

The price index selected for deflating is the consumer price index (CPI, neyslúverðsvisitalan) as published in the Central Bank of Iceland monthly, Hagtölur Mánaðarins. The foreign currency numeraire selected is the US dollar, USD. The transformation of expenditures from Icelandic currency to USD is done on the basis of average annual USD selling price in Icelandic kronur (ISK).

4. Main Results

Tables A-D in the appendix list the government expenditure items related to the fishing industry. The following two chapters provide summary results.

4.1 Total Expenditures on the Fishing Industry

We begin by recounting total government expenditures on fisheries, i.e. all cost items related to the fishing industry in the wide sense discussed in Section 2.

	1990	1991	1992	1993	1994	1995	1996
ISK (millions)	5,446	3,508	3,167	3,776	3,654	3,639	3,326
ISK (millions, 1996 prices)	6,629	3,998	3,480	3,975	3,800	3,721	3,326
USD (millions)*	93.3	59.3	54.9	55.5	52.2	56.1	49.8
USD (millions, 1996 prices)**	99.1	59.8	52.0	59.5	56.8	55.7	49.7

* Each year's exchange rates
** 1996 prices and exchange rates

Table 2 provides the same information excluding irregular expenses.

	1990	1991	1992	1993	1994	1995	1996
ISK (millions)	2,887	3,501	3,114	3,348	3,607	3,617	3,326
ISK (millions, 1996 prices)	3,514	3,990	3,422	3,534	3,752	3,698	3,326
USD (millions)*	49.4	59.1	53.9	49.7	51.5	56.1	49.8
USD (millions, 1996 prices)**	52.6	59.7	51.2	52.9	56.1	55.3	49.8

* Each year's exchange rates
** 1996 prices and exchange rates

The difference between Tables 1 and 2 are mainly in the first year, 1990. The reason is that in that year, there was a very significant reorganization of the fishing industry's investment and financial fund system. In association with that, there was a once and for all government contribution to the system that shows up as an irregular expenditure.³ Apart from this year there is good conformance between total and regular government expenditures on fisheries. This is further illustrated in the following two diagrams:

Figure 1
Government Expenditures on the Fishing Industry (ISK)

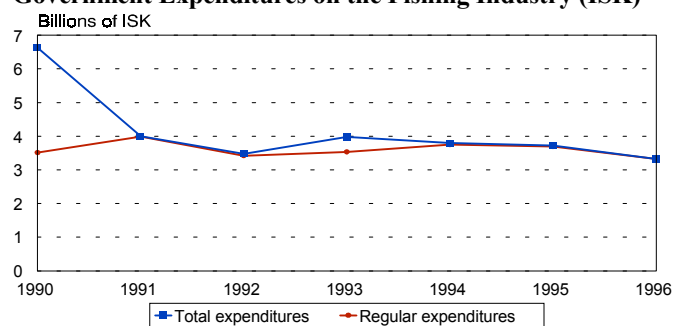
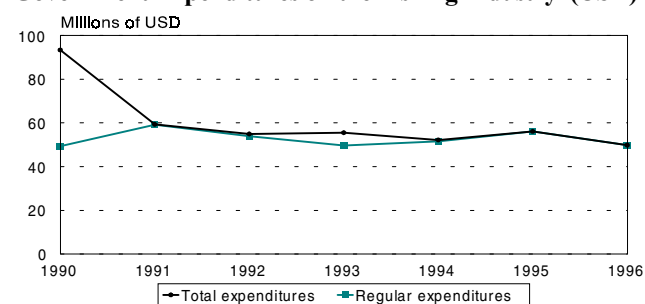


Figure 2
Government Expenditures on the Fishing Industry (USD)



³ In particular, a payment to the Fisheries Price Equalization Fund (Verðjöfnunarsjóður) and to the Export Employment Security Fund (Atvinnutrygginarsjóður útflutningsatvinnuvega).

Given the good conformity between total and regular expenditures illustrated in Figures 1 and 2, we will, in what follows, restrict our attention to regular expenditures.

4.2 Expenditures on Fisheries

The total government expenditures on the fishing industry listed above includes everything related to the fishing industry in a wide sense, i.e. fishing, fish processing and fish marketing. This, clearly includes items that either do not or only partially belong to the fishing activity as such not to mention fisheries management. Therefore, in order to obtain better estimates of government expenditures on fisheries specifically, every item included in total government expenditures on the fishing industry must be carefully scrutinized and the corresponding expenditure confirmed as expenditures on fisheries management or, as the case may be, reduced or even dropped altogether. It should be emphasized, however, that the outcome, while perhaps indicative of government expenditures on fisheries still constitutes an overestimate of government expenditures on fisheries management. As a rough first approximation, the following changes were made.

Ministry of Education: All expenditures under the Ministry of Education were omitted. This leaves out everything having to do with education for the fishing industry including nautical schools.

Ministry of Fisheries: Expenditures on the following institutes were omitted:

- Fisheries Laboratories (Rannsóknarstofnun fiskiðnaðarins).

- The State Fish Products Quality Assessment Bureau (Ríkismat sjávarafurða)
- Industrial Research Institutes (Rannsóknarstofnanir atvinnuveganna)

The reason being that they almost exclusively serve the fish processing and fish marketing industries

Ministry of Justice: A quarter (1/4) of the expenditures on the coast guard were omitted the reason being that a substantial part of the Coast Guard duties have to do with general shipping, safety at sea and land and other activities that cannot be regarded as support for fishing or fisheries management.

Ministry of Communication and Transport: A quarter (1/4) of the following expenditures items under this Ministry were omitted on the grounds that they only partially served the fisheries.

- The Lighthouse and Port Authority
- The Seafaring Institute
- Committee on Marine Accidents
- The State Radio Communications Control Agency
- Contributions to transport safety

Ministry of the Environment: Three quarters (3/4) of the expenditure items under this Ministry were omitted

Ministry of Foreign Affairs: Expenditures on the North-Atlantic Salmon Commission were omitted.

Government expenditures so revised are listed in the following table and illustrated in Figures 3 and 4.

	1990	1991	1992	1993	1994	1995	1996
ISK (millions)	1,994	2,427	2,136	2,396	2,546	2,570	2,391
ISK (millions, 1996 prices)	2,427	2,765	2,347	2,529	2,648	2,628	2,391
USD (millions)*	34.2	41.0	37.0	35.3	36.4	39.6	35.8
USD (millions, 1996 prices)**	36.3	41.4.1	35.1.6	37.8	39.6	39.3	35.8
* Each year's exchange rates							
** 1996 prices and exchange rates							

Figure 3
Regular Government Expenditures on Fisheries
 (First rough approximation. ISK price level 1996).

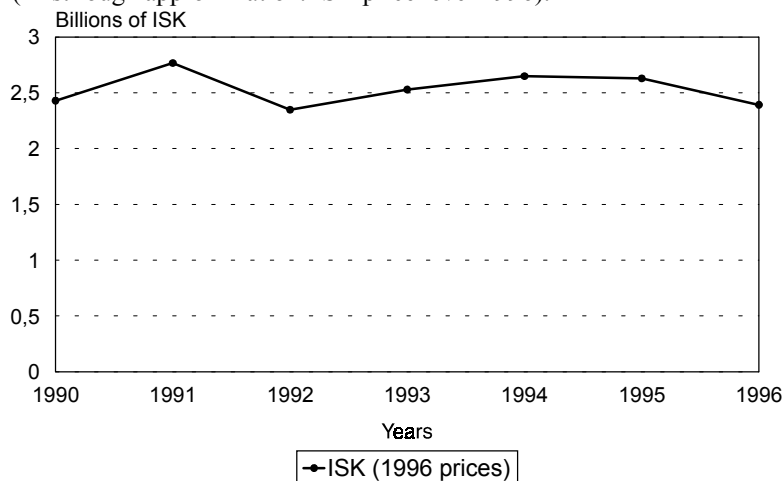
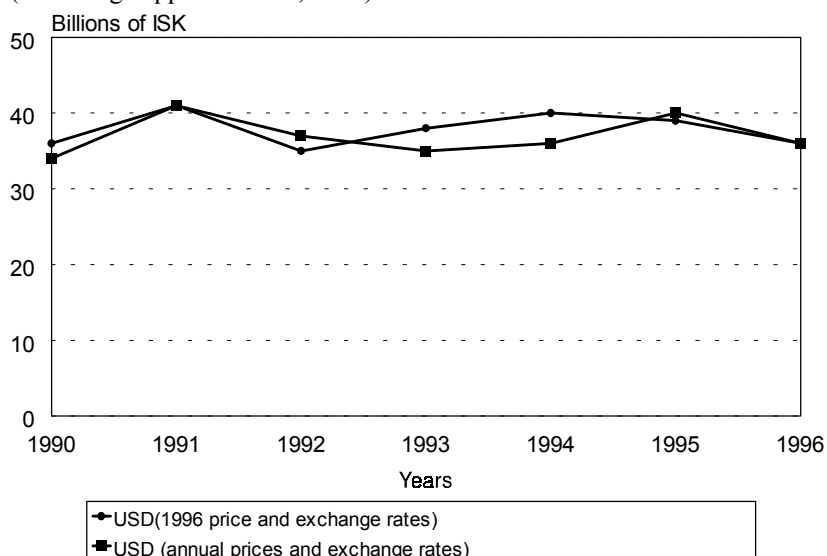


Figure 4
Regular Government Expenditures on Fisheries
 (First rough approximation, USD).



4.3 Expenditures on Fisheries Management

The government expenditures on the fishing sector listed above are by no means restricted to fisheries management as such. There are substantial expenditures on items such as quality control, fish price controls, safety at sea, ports and lighthouses weather services etc. that, presumably would remain irrespective of any particular fisheries management system. For this reason we have collected items that may be attributed to fisheries management. These items are as follows:

- (1) Administrative costs: 75% of the Ministry of Fisheries operating costs.
- (2) Enforcement costs: 100% of Fisheries Directorate and previous institutions' costs and 75% of the Coast Guard costs.⁴
- (3) Research costs: 100% of the Marine Research Institute's costs.

⁴ Only 90% because a significant part of the Coast Guard activity has to do with safety and rescue on land and at sea.

Table 5 Government Expenditures on Fisheries Management (First rough approximation)							
	1990	1991	1992	1993	1994	1995	1996
ISK (millions)	1,049	1,153	1,062	1,305	1,443	1,471	1,411
ISK(millions 1996 prices)	1,276	1,314	1,166	1,377	1,501	1,504	1,410
USD (millions)*	17.951	19.479	18.403	19.219	20.608	22.680	21.102
USD (millions)**	19.082	19.656	17.442	20.600	22.443	22.501	21.102

* Each year's exchange rates
** 1996 prices and exchange rates

Figure 5
Regular Government Expenditure on Fisheries Management
(First approximation. ISK Price level 1996)

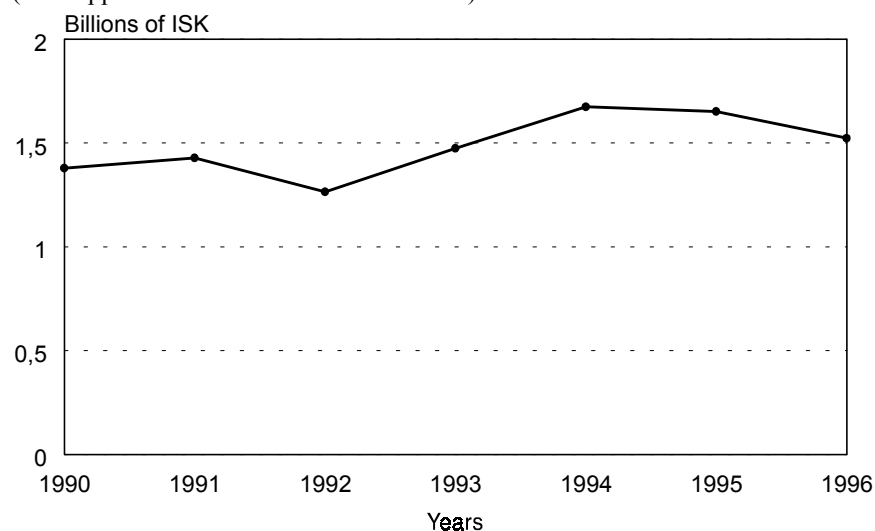
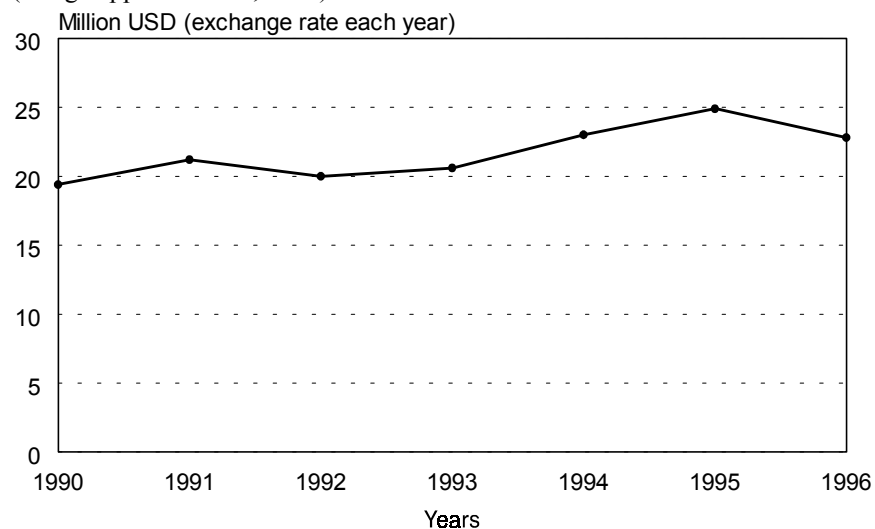


Figure 6
Government Expenditures on Fisheries Management
(Rough approximation, USD).



4.4 Some Important Ratios

In order to form a better appreciation of the relative size of government expenditures on fisheries it may be helpful to consider the ratio of these expenditures to (a) total

government expenditures and (b) total catch value of the fisheries. The following table gives data on the total government expenditures and the landed value of catch from 1990-1996

	1990	1991	1992	1993	1994	1995	1996
Government expenditures	106.0	119.4	116.6	119.2	125.9	129.4	137.0
Landed catch value)*	47.5	51.2	48.7	49.7	49.0	50.5	52.0

* Source: Fisheries Association Utvegur 1990-1996

The following table, Table 7, presents results on government expenditures on fisheries as a percentage of total government expenditures and landed catch value.

I. Percentage of Total Government Expenditures								
	1990	1991	1992	1993	1994	1995	1996	Mean
<i>Total expenditure on the fishing industry:</i>								
	2.7%	2.9%	2.7%	2.8%	2.9%	2.8%	2.4%	2.8%
<i>Expenditures on fisheries*:</i>								
	1.9%	2.0%	1.8%	2.0%	2.0%	2.0%	1.8%	1.9%
<i>Expenditures on Fisheries Management</i>								
	1,0%	1,0%	0,9%	1,1%	1,1%	1,1%	1,0%	1,0%
II. Percentage of Landed Catch Value								
	1990	1991	1992	1993	1994	1995	1996	Mean
<i>Total expenditure on the fishing industry:</i>								
	6.1%	6.8%	6.4%	6.7%	7.4%	7.2%	6.4%	6.7%
<i>Expenditures on fisheries*:</i>								
	4.2%	4.7%	4.4%	4.8%	5.2%	5.1%	4.6%	4.7%
<i>Expenditures on Fisheries Management</i>								
	2,2%	2,2%	2,2%	2,6%	2,9%	2,7%	2,5%	2,5%

* First rough approximation

The results listed in Table 7 are further illustrated in Figures 7 and 8.

Figure 7

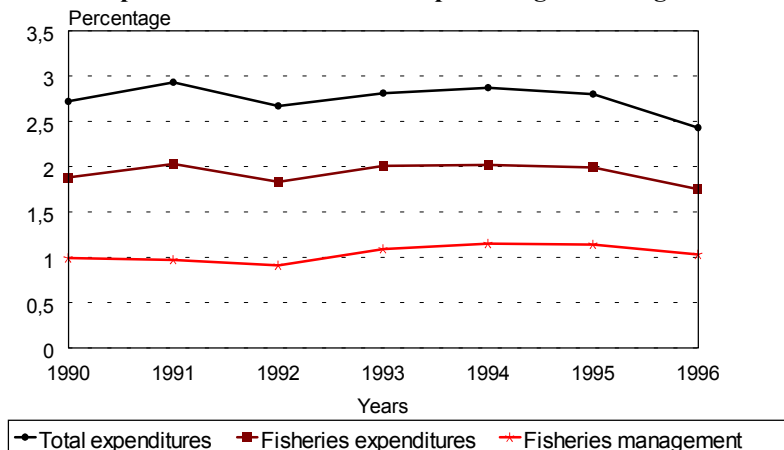
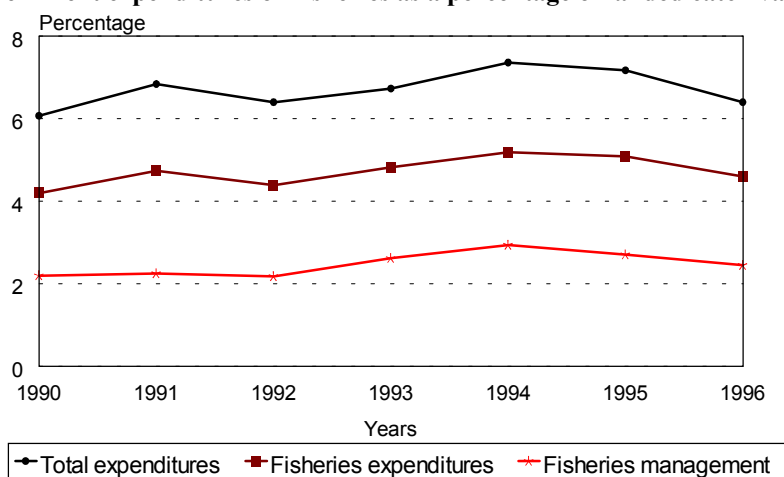
Government expenditures on fisheries as a percentage of total government expenditures

Figure 8

Government expenditures on fisheries as a percentage of landed catch value

Finally, it should be noted that none of the six ratios above exhibits a significant linear trend.⁵

References

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Fisheries Association. *Utvegur* (issues from 1990-1996). Reykjavík.

⁵ I.e. the coefficient b in the linear trend regression equation $y = a + b \cdot t$, where t refers to year was not found to be statistically significant

Appendix DATA TABLES

Table A
Government Expenditures on the Fishing Industry
(1000 ISK, Running prices)

			1990	1991	1992	1993	1994	1995	1996
Regular Expenses									
		MENNTAMÁLARÁÐUNEYTI							
02 507		Stýrimannaskólinn í Reykjavík	29.884	59.102	32.212	26.654	31.798	27.499	30.415
02 518		Fiskvinnsluskólinn	18.270	29.191	25.985	20.681	14.883	5.507	
02 352		Flensborgarskóli (tók við fiskvinnslusk.)						5.390	19.277
02 571		Sjómannaskólahúsið	29.183	32.159	29.298	24.431	23.703	20.781	21.256
02 506		Vélskóli Íslands	47.217	50.930	58.611	50.401	49.900	53.220	58.789
02 355		Framhaldsskólinn í Vestmannaeyjum							
	103	Stýrimannaskólinn í Vestmannaeyjum, kennsla	6.194	7.196	14.238	4.704	4.572	9.626	8.858
	104	Stýrimannaskólinn í Vestm.,annað en kennsla				1.308	2.749		
02 359		Verkmenntaskólinn á Akureyri							
	103	Sjávarútvegsbraut á Dalvík, kennsla		3.892	8.783	8.454	10.808	10.304	13.046
	104	Sjávarútvegsbraut á Dalvík, annar rekstrark.	4.112	5.003	5.341	5.719	5.879	6.569	7.456
	602	Sjávarútvegsbraut Dalvík, tæki og búnaður						7.770	
02 319		Framhaldsskólar, almennt							
	103	Réttindanám skipstjórnarmanna	4.077						
	122	Námskeið skipstjórnarmanna		3.585	4.495	3.927	4.500	4.006	4.500
		Samtals	138.937	191.058	178.963	146.279	148.792	150.672	163.597
		SJÁVARÚTVEGSRÁÐUNEYTI							
05 101		Sjávarútvegsráðuneyti, aðalskrifstofa	69.232	80.633	77.920	77.606	80.176	84.975	87.540
05 299		Sjávarútvegsráðuneyti, ýmis verkefni	105.408	86.403	109.661	70.577			
05 190		Ýmis verkefni (var áður 05 299)					93.774	122.511	136.421
05 201		Fiskifélag Íslands	41.531	44.263	40.917	6.858	5.731	7.207	12.430
05 204		Fiskistofa			23.315	171.466	145.951	94.569	173.515
05 202		Hafrannsóknarstofnun	501.921	514.827	490.042	611.317	396.372	582.961	600.490
05 203		Rannsóknarstofnun fiskiðnaðarins	80.841	85.520	93.643	105.671	101.557	122.057	75.241
05 216		Ríkismat sjávarafurða	66.273	71.155	72.420	26.948	1.480		
05 221		Verðlagsráð sjávarútvegsins	4.757	4.866	3.404	1.619	50	411	321
05 272		Bygging rannsóknastofnana sjávarútvegsins		20.000	25.000	25.000	25.000	21.000	21.000
05 290		Veiðieftirlit	28.714	35.892	-1.726				
05 901		Rannsóknarstofnanir atvinnuveganna, skrifst.	50.505	56.363	62.319	68.315	67.955	78.543	72.048
		Samtals	949.182	999.922	996.915	1.165.377	918.046	1.114.234	1.179.006

			1990	1991	1992	1993	1994	1995	1996
		DÓMS- OG KIRKJUMÁLARÁÐUNEYTI							
06		Landhelgisgæslan	565.459	663.633	600.685	609.519	1.113.003	963.724	745.015
395(251)		Samtals	565.459	663.633	600.685	609.519	1.113.003	963.724	745.015
		SAMGÖNGURÁÐUNEYTI							
10 331		Vita- og hafnamálaskrifstofan	54.575	53.076	28.178	32.133	32.630		
10 332		Vitastofnun Íslands	84.122	92.413	104.678	113.096	118.551		
10 333		Hafnamál	712.420	1.124.938	807.984	853.929	873.047		
10 330		Vita- og hafnamálstofnun						985.092	674.075
10 341		Siglingamálastofnun ríkisins	88.987	100.081	117.660	109.329	98.718	93.591	71.217
10 335		Siglingastofnun Íslands (tók við 10 330 og 341)							137.479
10 342		Rannsóknarnefnd sjóslysa	5.261	5.891	5.859	6.622	7.705		
10 120		Rannsóknarnefnd sjóslysa (var áður 10 342)						8.707	8.757
10 511		Fjarskiptaæftirlit ríkisins					-18.488	-27.962	-20.718
10 485		Ýmis framlög							
	120	Tilkynningarskylda fiskiskipa	14.342	14.530	17.000	18.200	18.200	20.200	18.200
	121	Lög og réttindaskráning sjómanna			45	4.413	920	1.294	877
	122	Fræðsluefni um öryggismál sjámannna	780	1.100	1.300	1.175	1.369	300	1.377
	123	Sjálfvirkt tilkynningarkerfi fyrir fiskiskip	4.450	1.490			86	1.509	454
	133	Slysavarnaskóli sjómanna	17.022	23.830	29.500	31.500	31.500	32.000	33.600
10 190		Ýmis kostnaður ráðuneytis							
	127	Slysavarnafélag Íslands	8.114	9.000	16.500	16.700	16.700	16.700	16.700
	128	Landsbjörg				6.000	9.000	9.000	11.000
	191	Ráðstefna um öryggi fiskiskipa				1.300		1.214	1.643
		Samtals	990.073	1.426.349	1.128.704	1.194.397	1.189.938	1.141.645	954.661
		UMHVERFISRÁÐUNEYTI							
14 410		Veðurstofa Íslands (var 1990 undir 10 652)	231.856	207.945	193.594	212.838	218.192	237.889	272.195
14 190		Umhverfismál, ýmis verkefni							
	129	Rannsóknir á botndýrum á Íslandsmiðum			3.041	6.929	6.659	6.568	7.000
		Samtals	231.856	207.945	196.635	219.767	224.851	244.457	279.195

			1990	1991	1992	1993	1994	1995	1996
		UTANRÍKISRÁÐUNEYTI							
	03 401	Alþjóðastofnanir							
	118	Alþjóðasiglingamálastofnun IMCO (10 190)	845	990	753	794	1.190	1.489	846
	129	Alþjóðasjóðmælingastofnunin IHB (nú 06 190)	434	446	482		1.396	750	
	130	Alþjóðahvalveiðiráð IWC	2.692	2.817					
	131	Alþjóðahafrannsóknir (ICES, ICNAF, NEAFC)	5.212	5.678	8.383	8.925			
	157	Norður-Atlantshafslaxveiðinefndin NASCO	2.103	2.012	2.884	3.331	10.259		3.623
		Samtals	11.286	11.943	12.502	13.050	12.845	2.239	4.469
		Samtals regluleg gjöld	2.886.793	3.500.850	3.114.404	3.348.389	3.607.475	3.616.971	3.325.943

			1990	1991	1992	1993	1994	1995	1996
Irregular expenditures									
		FORSÆTISRÁÐUNEYTI							
	01 172	Atvinnuþryggingasjóður útflutningsgreina	343.000						
		Samtals	343.000						
		MENNTAMÁLARÁÐUNEYTI							
	02 902	Þjóðminjasafn Íslands							
	108	Sjóminjasafn Íslands	5.880	7.013	5.577				
		Samtals	5.880	7.013	5.577				
		UMHVERFISRÁÐUNEYTI							
	14 190	Umhverfismál, ýmis verkefni							
	690	Mengunarvarnabúnaður fyrir hafnir				28.059			
	191	Ráðstefna um mengun í hafi frá landstöðvum						21.718	
		Samtals				28.059		21.718	
		SJÁVARÚTVEGSRÁÐUNEYTI							
	05 222	Síldarverksmiðjur ríkisins				389.630			
	05 271	Byggingarsjóður hafrannsóknaskips	164.000						
	05 275	Hagræðingardeild við Fiskveiðisjóð Íslands	293.095						
	05 280	Söluskattur í sjávarútvegi, endurgreiðsla	30.325						
	05 281	Verðjöfnunarsjóður fiskiðnaðarins, framlag	1.458.283						
	05 298	Fiskleit, vinnslutilraunir, markaðsöflun og	-318						
		Samtals	1.945.385			389.630			
		FJÁRMÁLARÁÐUNEYTI							
	09 982	Þormóður rammi hf. Uppgjör	264.721						
	09 983	Slippstöðin h.f.			47.174		46.326		
		Samtals	264.721		47.174		46.326		
		Samtals óregluleg gjöld	2.558.986	7.013	52.751	417.689	46.326	21.718	0
		Samtals	5.445.779	3.507.863	3.167.155	3.766.078	3.653.801	3.638.689	3.325.943

Table B
Government Expenditures on the Fishing Industry
 (1000 ISK, Constant 1996 prices)

		1990	1991	1992	1993	1994	1995	1996
Regular Expenses								
MENNTAMÁLARÁÐUNEYTI								
02 507	Stýrimannaskólinn í Reykjavík	36.374	67.355	35.389	28.131	33.068	28.118	30.415
02 518	Fiskvinnsluskólinn	22.238	33.267	28.548	21.827	15.477	5.631	0
02 352	Flensborgarskóli (tók við fiskvinnslusk.)	0	0	0	0	0	5.511	19.277
02 571	Sjómannaskólahúsið	35.521	36.650	32.188	25.785	24.649	21.249	21.256
02 506	Vélskóli Íslands	57.472	58.042	64.392	53.194	51.892	54.418	58.789
02 355	Framhaldsskólinn í Vestmannaeyjum							
103	Stýrimannaskólinn í Vestmannaeyjum, kennsla	7.539	8.201	15.642	4.965	4.755	9.843	8.858
104	Stýrimannaskólinn í Vestm.,annað en kennsla	0	0	0	1.380	2.859	0	0
02 359	Verkmenntaskólinn á Akureyri							
103	Sjávarútvegsbraut á Dalvík, kennsla	0	4.435	9.649	8.923	11.240	10.536	13.046
104	Sjávarútvegsbraut á Dalvík, annar rekstrark.	5.005	5.702	5.868	6.036	6.114	6.717	7.456
602	Sjávarútvegsbraut Dalvík, tæki og búnaður	0	0	0	0	0	7.945	0
02 319	Framhaldssólar, almennt							
103	Réttindanám skipstjórnarmanna	4.962	0	0	0	0	0	0
122	Námskeið skipstjórnarmanna	0	4.086	4.938	4.145	4.680	4.096	4.500
	Samtals	169.112	217.737	196.615	154.386	154.733	154.065	163.597
SJÁVARÚTVEGSRÁÐUNEYTI								
05 101	Sjávarútvegsráðuneyti, aðalskrifstofa	84.268	91.893	85.606	81.907	83.377	86.888	87.540
05 299	Sjávarútvegsmál, ýmis verkefni	128.301	98.468	120.477	74.489	0	0	0
05 190	Ýmis verkefni (var áður 05 299)	0	0	0	0	97.518	125.270	136.421
05 201	Fiskifélag Íslands	50.551	50.444	44.953	7.238	5.960	7.369	12.430
05 204	Fiskistofa	0	0	25.615	180.969	151.779	96.698	173.515
05 202	Hafrannsóknarstofnun	610.929	586.717	538.377	645.198	412.199	596.088	600.490
05 203	Rannsóknarstofnun fiskiðnaðarins	98.398	97.462	102.879	111.528	105.612	124.805	75.241
05 216	Ríkismat sjávarafurða	80.666	81.091	79.563	28.442	1.539	0	0
05 221	Verðlagsráð sjávarútvegsins	5.790	5.545	3.740	1.709	52	420	321
05 272	Bygging rannsóknastofnana sjávarútvegsins	0	22.793	27.466	26.386	25.998	21.473	21.000
05 290	Veiðieftirlit	34.950	40.904	-1.896	0	0	0	0
05 901	Rannsóknarstofnanir atvinnuveganna, skrifst.	61.474	64.234	68.466	72.101	70.668	80.312	72.048
	Samtals	1.155.327	1.139.551	1.095.246	1.229.966	954.703	1.139.324	1.179.006

			1990	1991	1992	1993	1994	1995	1996
		DÓMS- OG KIRKJUMÁLARÁÐUNEYTI							
06	Landhelgisgæslan		688.267	756.302	659.934	643.300	1.157.445	985.424	745.015
395(251)		Samtals	688.267	756.302	659.934	643.300	1.157.445	985.424	745.015
		SAMGÖNGURÁÐUNEYTI							
10 331	Vita- og hafnamálaskrifstofan		66.428	60.488	30.957	33.914	33.933	0	0
10 332	Vitastofnun Íslands		102.392	105.318	115.003	119.364	123.285	0	0
10 333	Hafnamál		867.145	1.282.024	887.680	901.256	907.907	0	0
10 330	Vita- og hafnamálastofnun		0	0	0	0	0	1.007.274	674.075
10 341	Siglingamálastofnun ríkisins		108.313	114.056	129.265	115.388	102.660	95.698	71.217
10 335	Siglingastofnun Íslands (tók við 10 330 og 341)		0	0	0	0	0	0	137.479
10 342	Rannsóknanefnd sjóslysa		6.404	6.714	6.437	6.989	8.013	0	0
10 120	Rannsóknanefnd sjóslysa (var áður 10 342)		0	0	0	0	0	8.903	8.757
10 511	Fjarskiptaeftirlit ríkisins		0	0	0	0	-19.226	-28.592	-20.718
10 485	Ýmis framlög								
120	Tilkynningarskylda fiskiskipa		17.457	16.559	18.677	19.209	18.927	20.655	18.200
121	Lög og réttindaskráning sjómanna		0	0	49	4.658	957	1.323	877
122	Fræðsluefni um öryggismál sjámana		949	1.254	1.428	1.240	1.424	307	1.377
123	Sjálfvirkt tilkynningarkerfi fyrir fiskiskip		5.416	1.698	0	0	89	1.543	454
133	Slysavarnaskóli sjómanna		20.719	27.158	32.410	33.246	32.758	32.721	33.600
10 190	Ýmis kostnaður ráðuneytis								
127	Slysavarnafélag Íslands		9.876	10.257	18.127	17.626	17.367	17.076	16.700
128	Landsbjörg		0	0	0	6.333	9.359	9.203	11.000
191	Ráðstefna um öryggi fiskiskipa		0	0	0	1.372	0	1.241	1.643
		Samtals	1.205.099	1.625.524	1.240.034	1.260.594	1.237.452	1.167.352	954.661
		UMHVERFISRÁÐUNEYTI							
14 410	Veðurstofa Íslands (var 1990 undir 10 652)		282.211	236.982	212.689	224.634	226.904	243.246	272.195
14 190	Umhverfismál, ýmis verkefni								
129	Rannsóknir á botndýrum á Íslandsmiðum		0	0	3.341	7.313	6.925	6.716	7.000
		Samtals	282.211	236.982	216.030	231.947	233.829	249.962	279.195

			1990	1991	1992	1993	1994	1995	1996
		UTANRÍKISRÁÐUNEYTI							
	03 401	Alþjóðastofnanir							
	118	Alþjóðasiglingamálastofnun IMCO	1.029	1.128	827	838	1.238	1.523	846
	129	Alþjóðasjómælingastofnunin IHB	528	508	530	0	1.452	767	0
	130	Alþjóðahvalveiðiráð IWC	3.277	3.210	0	0	0	0	0
	131	Alþjóðahafrannsóknir (ICES, ICNAF, NEAFC)	6.344	6.471	9.210	9.420	0	0	0
	157	Norður-Atlantshafslaxveiðinefndin NASCO	2.560	2.293	3.168	3.516	10.669	0	3.623
		Samtals	13.737	13.611	13.735	13.773	13.358	2.289	4.469
		Samtals regluleg gjöld	3.513.753	3.989.707	3.421.594	3.533.967	3.751.520	3.698.415	3.325.943

			1990	1991	1992	1993	1994	1995	1996
ÓREGLULEG GJÖLD									
		FORSÆTISRÁÐUNEYTI							
01 172		Atvinnutryggingasjóður útflutningsgreina	417.493						
		Samtals	417.493						
		MENNTAMÁLARÁÐUNEYTI							
02 920		Sjóminjasafn Íslands	7.157	7.992	6.127				
		Samtals	7.157	7.992	6.127				
		UMHVERFISRÁÐUNEYTI							
14 190		Umhverfismál, ýmis verkefni							
		Mengunarvarnabúnaður fyrir hafnir				29.614		0	
		Ráðstefna um mengun í hafi frá landstöðvum				0		22.207	
		Samtals				29.614		22.207	
		SJÁVARÚTVEGSRÁÐUNEYTI							
05 222		Síldarverksmiðjur ríkisins				411.225			
05 271		Byggingarsjóður hafrannsóknaskips	199.618						
05 275		Hagræðingardeild við Fiskveiðasjóð Íslands	356.750						
05 280		Söluskattur í sjávarútvegi, endurgreiðsla	36.911						
05 281		Verðjöfnunarsjóður fiskiðnaðarins, framlag	1.774.996						
05 298		Fiskleit, vinnslutilraunir, markaðsöflun og	-387						
		Samtals	2.367.888			411.225			
		FJÁRMÁLARÁÐUNEYTI							
09 982		Pormóður rammi hf. Uppgjör	322.214						
09 983		Slippstöðin h.f.			51.827		48.176		
		Samtals	322.214		51.827		48.176		
		Samtals óregluleg gjöld	3.114.752	7.992	57.954	440.839	48.176	22.207	0
		Samtals	6.628.505	3.997.700	3.479.548	3.974.806	3.799.696	3.720.623	3.325.943

Table C
Government Expenditures on the Fishing Industry
 (1000 USD, Each year's prices and exchange rates)

		1990	1991	1992	1993	1994	1995	1996
Regular Expenses								
MENNTAMÁLARÁÐUNEYTI								
02 507	Stýrimannaskólinn í Reykjavík	512	998	558	393	454	424	455
02 518	Fiskvinnsluskólinn	313	493	451	305	213	85	0
02 352	Flensborgarskóli (tók við fiskvinnslusk.)		0	0	0	0	83	288
02 571	Sjómannaskólahúsið	500	543	508	360	339	320	318
02 506	Vélskóli Íslands	809	860	1.016	742	713	820	879
02 355	Framhaldsskólinn í Vestmannaeyjum							
103	Stýrimannaskólinn í Vestmannaeyjum, kennsla	106	122	247	69	65	148	132
104	Stýrimannaskólinn í Vestm.,annað en kennsla	0	0	0	19	39	0	0
02 359	Verkmenntaskólinn á Akureyri							
103	Sjávarútvegsbraut á Dalvík, kennsla	0	66	152	125	154	159	195
104	Sjávarútvegsbraut á Dalvík, annar rekstrark.	70	85	93	84	84	101	112
602	Sjávarútvegsbraut Dalvík, tæki og búnaður	0	0	0	0	0	120	0
02 319	Framhaldssólar, almennt							
103	Réttindanám skipstjórnarmanna	70	0	0	0	0	0	0
122	Námskeið skipstjórnarmanna	0	61	78	58	64	62	67
	Samtals	2.379	3.227	3.103	2.154	2.125	2.323	2.447
SJÁVARÚTVEGSRÁÐUNEYTI								
05 101	Sjávarútvegsráðuneyti, aðalskrifstofa	1.186	1.362	1.351	1.143	1.145	1.310	1.309
05 299	Sjávarútvegsmál, ýmis verkefni	1.805	1.460	1.901	1.039	0	0	0
05 190	Ýmis verkefni (var áður 05 299)		0	0	0	1.339	1.889	2.040
05 201	Fiskifélag Íslands	711	748	709	101	82	111	186
05 204	Fiskistofa		0	404	2.525	2.084	1.458	2.595
05 202	Hafrannsóknarstofnun	8.596	8.696	8.496	9.003	5.661	8.987	8.981
05 203	Rannsóknarstofnun fiskiðnaðarins	1.385	1.445	1.623	1.556	1.450	1.882	1.125
05 216	Ríkismat sjávarafurða	1.135	1.202	1.256	397	21	0	0
05 221	Verðlagsráð sjávarútvegsins	81	82	59	24	1	6	5
05 272	Bygging rannsóknastofnana sjávarútvegsins		338	433	368	357	324	314
05 290	Veiðieftirlit	492	606	-30	0	0	0	0
05 901	Rannsóknarstofnanir atvinnuveganna, skrifst.	865	952	1.080	1.006	971	1.211	1.078
	Samtals	16.256	16.891	17.284	17.163	13.111	17.176	17.634

06	DÓMS- OG KIRKJUMÁLARÁÐUNEYTI							
395(251)	Landhelgisgæslan	9.684	11.210	10.414	8.977	15.896	14.856	11.143
	Samtals	9.684	11.210	10.414	8.977	15.896	14.856	11.143
	SAMGÖNGURÁÐUNEYTI							
10 331	Vita- og hafnamálaskrifstofan	935	897	489	473	466	0	0
10 332	Vitastofnun Íslands	1.441	1.561	1.815	1.666	1.693	0	0
10 333	Hafnamál	12.201	19.002	14.008	12.576	12.469	0	0
10 330	Vita- og hafnamálastofnun		0	0	0	0	15.186	10.082
10 341	Siglingamálastofnun ríkisins	1.524	1.691	2.040	1.610	1.410	1.443	1.065
10 335	Siglingastofnun Íslands (tók við 10 330 og 341)		0	0	0	0	0	2.056
10 342	Rannsóknanevnd sjóslysa	90	100	102	98	110	0	0
10 120	Rannsóknanevnd sjóslysa (var áður 10 342)	0	0				134	131
10 511	Fjarskiptaeftirlit ríkisins	0	0	0	0	-264	-431	-310
10 485	Ýmis framlög	0	0	0	0	0	0	0
120	Tilkynningarskylda fiskiskipa	246	245	295	268	260	311	272
121	Lög og réttindaskráning sjómanna	0	0	1	65	13	20	13
122	Fræðsluefni um öryggismál sjámannna	13	19	23	17	20	5	21
123	Sjálfvirkt tilkynningarkerfi fyrir fiskiskip	76	25	0	0	1	23	7
133	Slysavarnaskóli sjómanna	292	403	511	464	450	493	503
10 190	Ýmis kostnaður ráðuneytis	0	0	0	0	0	0	0
127	Slysavarnafélag Íslands	139	152	286	246	239	257	250
128	Landsbjörg	0	0	0	88	129	139	165
191	Ráðstefna um öryggi fiskiskipa	0	0	0	19	0	19	25
	Samtals	16.956	24.094	19.568	17.591	16.994	17.599	14.279
	UMHVERFISRÁÐUNEYTI							
14 410	Veðurstofa Íslands (var 1990 undir 10 652)	3.971	3.513	3.356	3.135	3.116	3.667	4.071
14 190	Umhverfismál, ýmis verkefni							
129	Rannsóknir á botndýrum á Íslandsmiðum	0	0	53	102	95	101	105
	Samtals	3.971	3.513	3.409	3.650	3.211	4.103	4.176

		UTANRÍKISRÁÐUNEYTI							
	03 401	Alþjóðastofnanir							
	118	Alþjóðasiglingamálastofnun IMCO	14	17	13	12	17	23	13
	129	Alþóðasjómælingastofnunin IHB	7	8	8	0	20	12	0
	130	Alþjóðahvalveiðiráð IWC	46	48	0	0	0	0	0
	131	Alþjóðahafrannsóknir (ICES,ICNAF,NEAFC)	89	96	145	131	0	0	0
	157	Norður-Atlantshafslaxveiðinefndin NASCO	36	34	50	49	147	0	54
		Samtals	193	202	217	192	183	35	67
		Samtals regluleg gjöld	49.440	59.136	53.995	49.727	51.521	56.092	49.745

			1990	1991	1992	1993	1994	1995	1996
ÓREGLULEG GJÖLD									
		FORSÆTISRÁÐUNEYTI							
01	172	Atvinnutryggingasjóður útflutningsgreina	5.874						
		Samtals	5.874						
		MENNTAMÁLARÁÐUNEYTI							
02	920	Sjóminjasafn Íslands	101	118	97				
		Samtals	101	118	97				
		UMHVERFISRÁÐUNEYTI							
14	190	Umhverfismál, ýmis verkefni							
		Mengunarvarnabúnaður fyrir hafnir				413		0	
		Ráðstefna um mengun í hafi frá landstöðvum				0		335	
		Samtals				413		335	
		SJÁVARÚTVEGSRÁÐUNEYTI							
05	222	Síldarverksmiðjur ríkisins				5.738			
05	271	Byggingarsjóður hafrannsóknaskips	2.809						
05	275	Hagræðingarveild við Fiskveiðisjóð Íslands	5.020						
05	280	Söluskattur í sjávarútvegi, endurgreiðsla	519						
05	281	Verðjöfnunarsjóður fiskiðnaðarins, framlag	24.975						
05	298	Fiskleit, vinnslutilraunir, markaðsöflun og	-5						
		Samtals	33.317			5.738			
		FJÁRMÁLARÁÐUNEYTI							
09	982	Þormóður rammi hf. Uppgjör	4.534						
09	983	Slippstöðin h.f.			818		662		
		Samtals	4.534		818		662		
Samtals óregluleg gjöld			43.826	118	915	6.152	662	335	0
Samtals			93.266	59.254	54.909	55.465	52.182	56.092	49.745

Table D

Government Expenditures on the Fishing Industry
(1000 USD, Fixed 1996 prices and 1996 exchange rates)

		1990	1991	1992	1993	1994	1995	1996
Regular Expenses								
MENNTAMÁLARÁÐUNEYTI								
02 507	Stýrimannaskólinn í Reykjavík	544	1.007	529	421	495	421	455
02 518	Fiskvinnsluskólinn	333	498	427	326	231	84	0
02 352	Flensborgarskóli (tók við fiskvinnslusk.)	0	0	0	0	0	82	288
02 571	Sjómannaskólahúsið	531	548	481	386	369	318	318
02 506	Vélskóli Íslands	860	868	963	796	776	814	879
02 355	Framhaldsskólinn í Vestmannaeyjum							
103	Stýrimannaskólinn í Vestmannaeyjum, kennsla	113	123	234	74	71	147	132
104	Stýrimannaskólinn í Vestm.,annað en kennsla	0	0	0	21	43	0	0
02 359	Verkmenntaskólinn á Akureyri							
103	Sjávarútvegsbraut á Dalvík, kennsla	0	66	144	133	168	158	195
104	Sjávarútvegsbraut á Dalvík, annar rekstrark.	75	85	88	90	91	100	112
602	Sjávarútvegsbraut Dalvík, tæki og búnaður	0	0	0	0	0	119	0
02 319	Framhaldssólar, almennt							
103	Réttindanám skipstjórnarmanna	74	0	0	0	0	0	0
122	Námskeið skipstjórnarmanna	0	61	74	62	70	61	67
	Samtals	2.529	3.257	2.941	2.309	2.314	2.304	2.447
SJÁVARÚTVEGSRÁÐUNEYTI								
05 101	Sjávarútvegsráðuneyti, aðalskrifstofa	1.260	1.374	1.280	1.225	1.247	1.300	1.309
05 299	Sjávarútvegsmál, ýmis verkefni	1.919	1.473	1.802	1.114	0	0	0
05 190	Ýmis verkefni (var áður 05 299)	0	0	0	0	1.459	1.874	2.040
05 201	Fiskifélag Íslands	756	754	672	108	89	110	186
05 204	Fiskistofa	0	0	383	2.707	2.270	1.446	2.595
05 202	Hafrannsóknarstofnun	9.137	8.775	8.052	9.650	6.165	8.915	8.981
05 203	Rannsóknarstofnun fiskiðnaðarins	1.472	1.458	1.539	1.668	1.580	1.867	1.125
05 216	Ríkismat sjávarafurða	1.206	1.213	1.190	425	23	0	0
05 221	Verðlagsráð sjávarútvegsins	87	83	56	26	1	6	5
05 272	Bygging rannsóknastofnana sjávarútvegsins	0	341	411	395	389	321	314
05 290	Veiðieftirlit	523	612	-28	0	0	0	0
05 901	Rannsóknarstofnanir atvinnuveganna, skrifst.	919	961	1.024	1.078	1.057	1.201	1.078
	Samtals	17.280	17.044	16.381	18.396	14.279	17.040	17.634

			1990	1991	1992	1993	1994	1995	1996
		DÓMS- OG KIRKJUMÁLARÁÐUNEYTI							
06		Landhelgisgæslan	10.294	11.312	9.870	9.622	17.311	14.739	11.143
395(251)		Samtals	10.294	11.312	9.870	9.622	17.311	14.739	11.143
		SAMGÖNGURÁÐUNEYTI							
10 331		Vita- og hafnamálaskrifstofan	994	905	463	507	508	0	0
10 332		Vitastofnun Íslands	1.531	1.575	1.720	1.785	1.844	0	0
10 333		Hafnamál	12.970	19.175	13.277	13.480	13.579	0	0
10 330		Vita- og hafnamálastofnun	0	0	0	0	0	15.065	10.082
10 341		Siglingamálastofnun ríkisins	1.620	1.706	1.933	1.726	1.535	1.431	1.065
10 335		Siglingastofnun Íslands (tók við 10 330 og 341)	0	0	0	0	0	0	2.056
10 342		Rannsóknanevnd sjóslysa	96	100	96	105	120	0	0
10 120		Rannsóknanevnd sjóslysa (var áður 10 342)	0	0	0	0	0	133	131
10 511		Fjarskiptaæfirlit ríkisins	0	0	0	0	-288	-428	-310
10 485		Ýmis framlög							
	120	Tilkynningarskylda fiskiskipa	261	248	279	287	283	309	272
	121	Lög og réttindaskráning sjómanna	0	0	1	70	14	20	13
	122	Fræðsluefni um öryggismál sjámana	14	19	21	19	21	5	21
	123	Sjálfvirkt tilkynningarkerfi fyrir fiskiskip	81	25	0	0	1	23	7
	133	Slysavarnaskóli sjómanna	310	406	485	497	490	489	503
10 190		Ýmis kostnaður ráðuneytis							
	127	Slysavarnafélag Íslands	148	153	271	264	260	255	250
	128	Landsbjörg	0	0	0	95	140	138	165
	191	Ráðstefna um öryggi fiskiskipa	0	0	0	21	0	19	25
		Samtals	18.024	24.312	18.547	18.854	18.508	17.460	14.279
		UMHVERFISRÁÐUNEYTI							
14 410		Veðurstofa Íslands (var 1990 undir 10 652)	4.221	3.544	3.181	3.360	3.394	3.638	4.071
14 190		Umhverfismál, ýmis verkefni							
	129	Rannsóknir á botndýrum á Íslandsmiðum	0	0	50	109	104	100	105
		Samtals	4.221	3.544	3.231	3.469	3.497	3.739	4.176

			1990	1991	1992	1993	1994	1995	1996
		UTANRÍKISRÁÐUNEYTI							
	03 401	Alþjóðastofnanir							
	118	Alþjóðasiglingamálastofnun IMCO	15	17	12	13	19	23	13
	129	Alþóðasjómælingastofnunin IHB	8	8	8	0	22	11	0
	130	Alþjóðahvalveiðiráð IWC	49	48	0	0	0	0	0
	131	Alþjóðahafrannsóknir (ICES,ICNAF,NEAFC)	95	97	138	141	0	0	0
	157	Norður-Atlantshafslaxveiðinefndin NASCO	38	34	47	53	160	0	54
		Samtals	205	204	205	206	200	34	67
		Samtals regluleg gjöld	52.554	59.673	51.176	52.856	56.110	55.316	49.745

			1990	1991	1992	1993	1994	1995	1996
ÓREGLULEG GJÖLD									
		FORSÆTISRÁÐUNEYTI							
01 172		Atvinnutryggingasjóður útflutningsgreina	6.244						
		Samtals	6.244						
		MENNTAMÁLARÁÐUNEYTI							
02 920		Sjóminjasafn Íslands	107	120	92				
		Samtals	107	120	92				
		UMHVERFISRÁÐUNEYTI							
14 190		Umhverfismál, ýmis verkefni							
		Mengunarvarnabúnaður fyrir hafnir				443			
		Ráðstefna um mengun í hafi frá landstöðvum						332	
		Samtals				443		332	
		SJÁVARÚTVEGSRÁÐUNEYTI							
05 222		Síldarverksmiðjur ríkisins				6.151			
05 271		Byggingarsjóður hafrannsóknaskips	2.986						
05 275		Hagræðingardeild við Fiskveiðasjóð Íslands	5.336						
05 280		Söluskattur í sjávarútvegi, endurgreiðsla	552						
05 281		Verðjöfnunarsjóður fiskiðnaðarins, framlag	26.548						
05 298		Fiskleit, vinnslutilraunir, markaðsöflun og	-6						
		Samtals	35.416			6.151			
		FJÁRMÁLARÁÐUNEYTI							
09 982		Þormóður rammi hf. Uppgjör	4.819						
09 983		Slippstöðin h.f.			775		721		
		Samtals	4.819		775		721		
Samtals óregluleg gjöld			46.586	120	867	6.593	721	332	0
Samtals			99.140	59.792	52.042	59.450	56.831	55.648	49.745