



# Shetland in Statistics



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Cover photo:  
Coastguard rescue helicopter on manoeuvres  
Photograph by Kieran Murray

## Introduction

Shetland in Statistics is now in its 23rd year of production. It has grown from a 10 page leaflet to a 72 page book and covers the most often requested and most useful statistics available in relation to Shetland. The past 23 years have seen many changes in Shetland socially, politically and economically. We have attempted to record and present the statistics and information which reflect these changes in as accurate and interesting a way possible. I hope that the many students, journalists, researchers, tourists and Shetlanders who buy and read this book will find it fulfils their needs.



Edward Thomason  
Convener, Shetland Islands Council  
May 1986 - May 1994

## Acknowledgements

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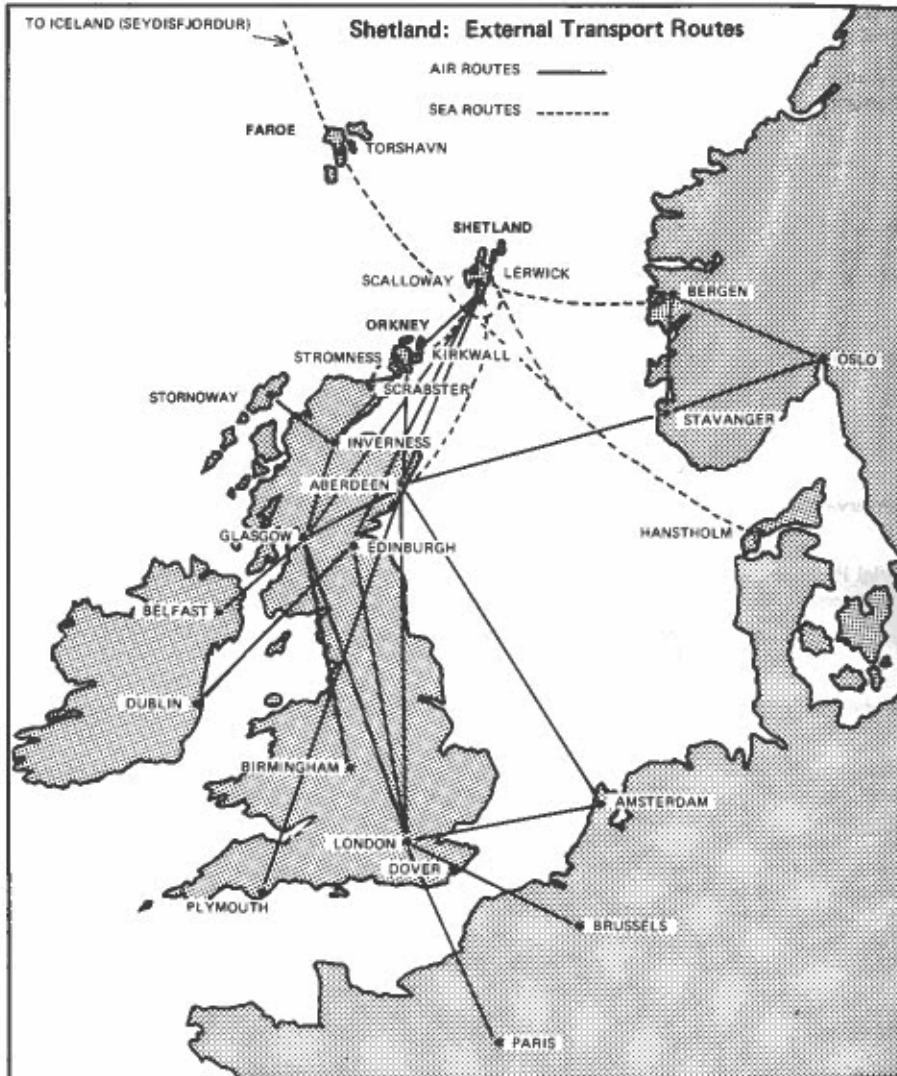
All Shetland Islands Council Departments supplying information.

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## Shetland: Location

Lerwick is Lat 60° 09' N  
Lon 1° 09' W



## Shetland: Physical Characteristics

Distance by road in kilometres (miles) from Lerwick.

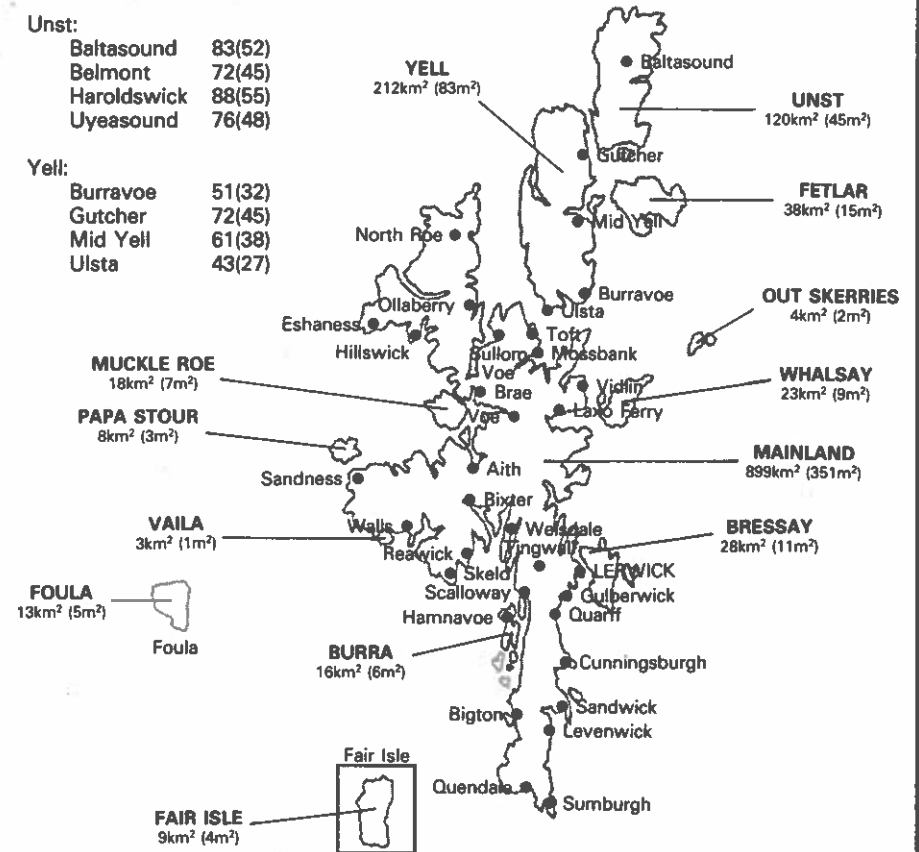
Aith	34(21)	Laxo Ferry	35(22)	Scalloway	13(8)
Bigton	30(19)	Levenwick	28(18)	Skeld	40(25)
Bixter	27(17)	Mossbank	43(27)	Sullom Voe	46(29)
Brae	35(22)	North Roe	61(38)	Sumburgh	40(25)
Cunningsburgh	18(11)	Ollaberry	53(33)	Tingwall	10(6)
Eshaness	62(39)	Quarff	11(7)	Toft Ferry	43(27)
Girista	16(10)	Quendale	38(24)	Vidlin	38(24)
Gulberwick	6(4)	Reawick	38(24)	Voe	29(18)
Hamnavoe, Burra	16(10)	Sandness	46(29)	Walls	40(25)
Hillswick	56(35)	Sandwick	24(15)	Weisdale	17(11)

Unst:

Baltasound	83(52)	UNST	120km <sup>2</sup> (45m <sup>2</sup> )
Belmont	72(45)		
Haroldswick	88(55)		
Uyeasound	76(48)		

Yell:

Burravoe	51(32)
Gutcher	72(45)
Mid Yell	61(38)
Ulsta	43(27)



Total Area of Shetland: 1,468 square kilometres (567 square miles)\*  
Total Length of coastline: approx. 1,450 kilometres (900 miles)\*\*

\* Ordnance Survey, 1988

\*\* Prof. D. Flinn, 1975 estimate

Number of islands: 100 +

Number of inhabited islands: 15

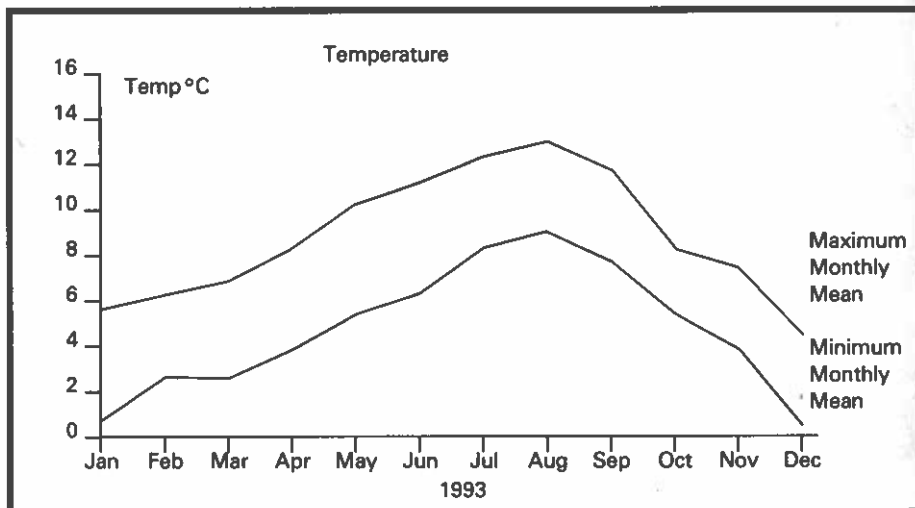
# Climate

Observations are recorded in Shetland by staff employed by the Meteorological Office at Lerwick and Sumburgh. There are also official Auxiliary Synoptic Reporting Stations on Fair Isle, Foula and Muckle Flugga.

Observations from the Lerwick Observatory began in 1921, although the first full year of recordings was not until 1922. The recorded meteorological observations from Lerwick Observatory for 1993 are as follows:

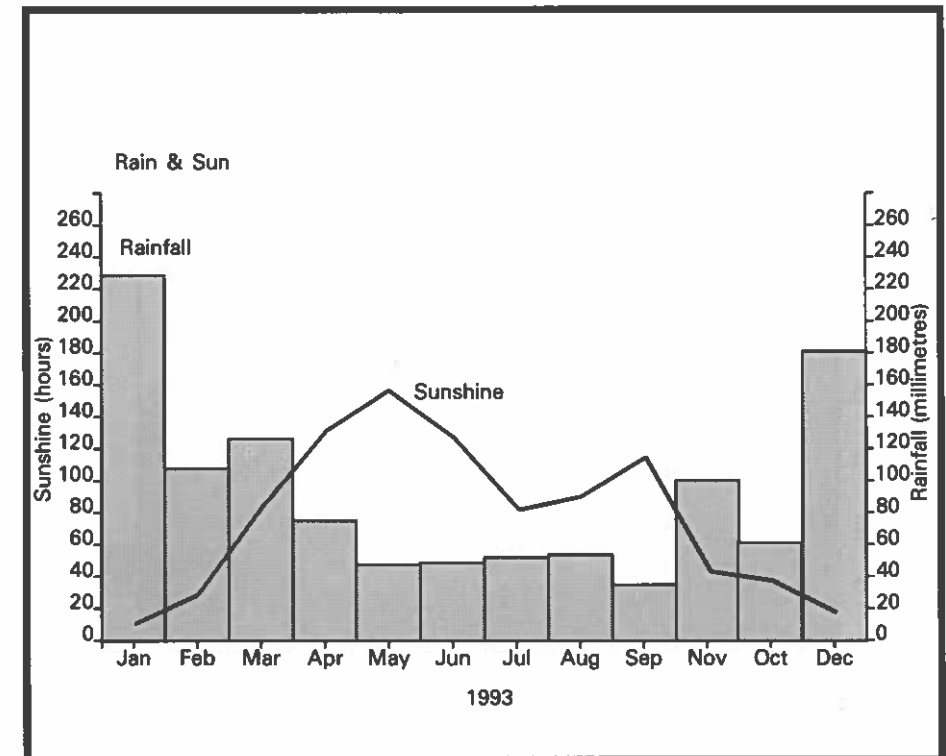
## Temperature (degrees C)

	1993 monthly mean		Extreme Daily Values (1922-1993)	
	Max.	Min.	Max. (Year)	Min. (Year)
Jan	5.7	0.9	11.7 ('32,'50)	-8.9 ('52,'59)
Feb	6.2	2.4	11.7 ('45)	-7.3 ('80)
Mar	6.7	2.3	13.3 ('61)	-8.3 ('47)
Apr	8.1	3.7	16.1 ('42)	-5.7 ('68)
May	10.2	5.3	20.7 ('92)	-2.8 ('23)
Jun	11.3	6.5	23.3 ('58)	-0.6 ('24,'29,'31,'51)
Jul	12.4	8.1	23.4 ('91)	3.3 ('21)
Aug	12.8	8.5	21.5 ('82)	1.7 ('21)
Sep	11.9	7.6	19.4 ('53)	-0.6 ('54)
Oct	8.5	5.3	17.2 ('55)	-3.3 ('48)
Nov	7.4	3.9	13.9 ('46)	-5.7 ('62)
Dec	4.6	0.6	12.2 ('48)	-8.2 ('61)
Year	8.8	4.6		



## Monthly totals

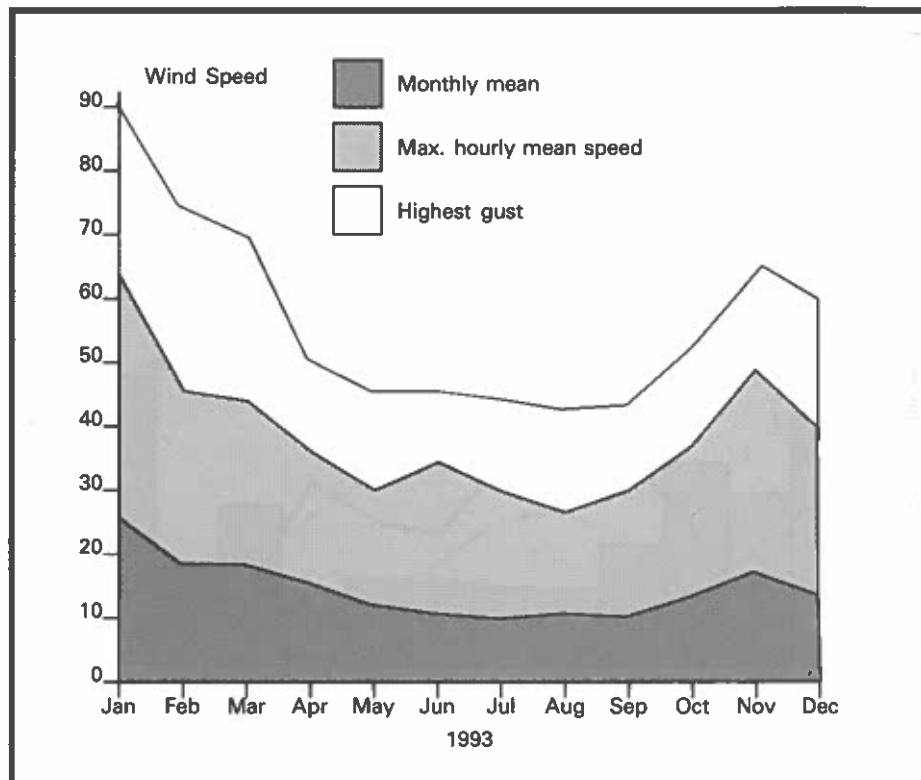
	Sunshine (hours)		Rainfall (millimetres)	
	1993	Extreme daily values (1922-1993)	1993	Extreme daily values (1922-1993)
Jan	10.1	6.6 ('39)	227	39 ('27)
Feb	25.0	9.8 ('40)	115	44 ('26)
Mar	82.5	11.6 ('64)	124	40 ('52)
Apr	128.2	14.8 ('26)	76	34 ('40)
May	155.7	16.2 ('40,'57,'80)	46	50 ('66)
Jun	123.8	17.4 ('34)	47	37 ('81)
Jul	85.8	16.6 ('35)	51	86 ('35)
Aug	89.6	15.1 ('38)	53	44 ('45)
Sep	114.6	12.6 ('43)	38	47 ('54)
Oct	46.7	10.1 ('37)	100	59 ('81)
Nov	35.6	6.8 ('67)	64	66 ('49)
Dec	17.7	5.1 ('57)	180	37 ('51)
Year	915.3		1,121	



## Wind Speed (knots)

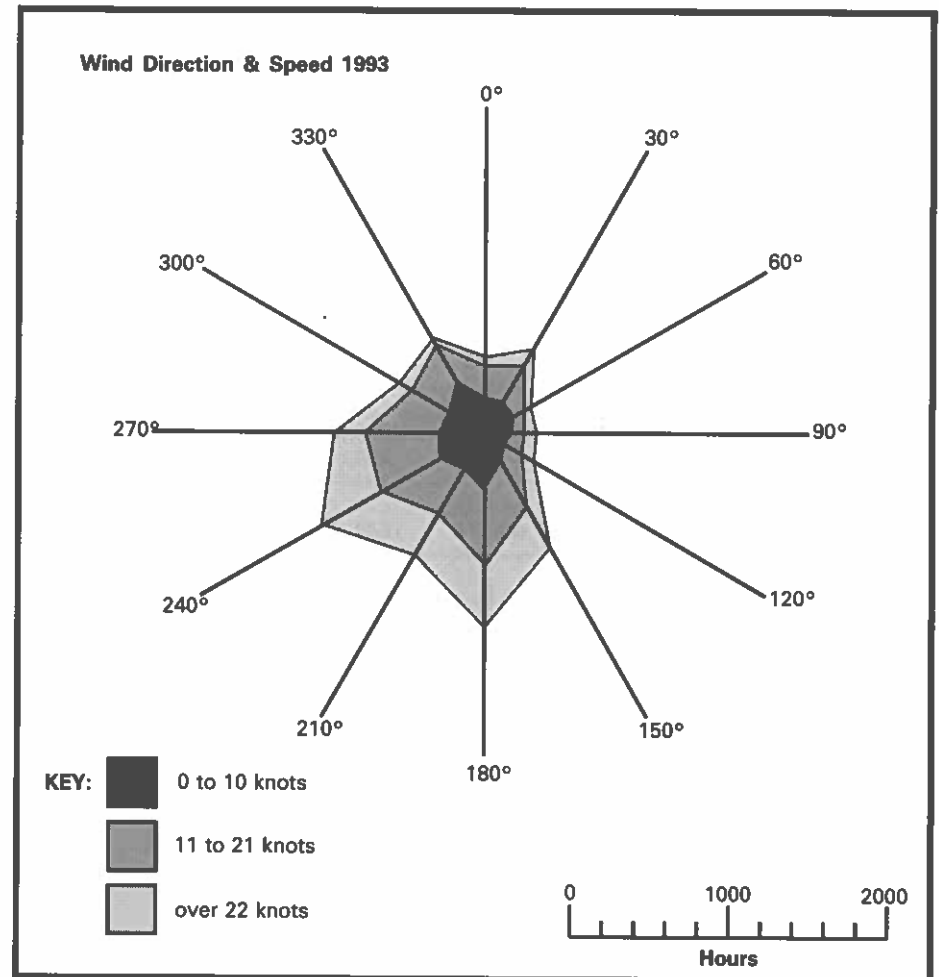
	Monthly mean 1993	Max hourly mean speed 1922-1993			Highest gust 1922-1993				
		1993	speed	direction	year	1993	speed	direction	year
Jan	26.9	63	(64	220	1961)	91	(95	220	1960 & 1992)
Feb	19.0	46	(56	230	1981)	75	(83	220	1957)
Mar	18.9	44	(53	240	1967)	69	(77	240	1967)
Apr	16.5	36	(55	250	1957)	50	(78	250	1957)
May	12.8	30	(44	100	1982)	46	(65	110	1982)
Jun	11.4	34	(42	260	1955)	46	(61	260	1955)
Jul	10.7	30	(40	030	1940)	44	(61	290	1964)
Aug	12.0	27	(50	240	1923)	42	(71	240	1923)
Sep	11.9	30	(59	210	1978)	43	(87	260	1963)
Oct	14.9	37	(58	230	1965)	54	(90	250	1980)
Nov	18.0	49	(51	240	1973)	65	(80	220	1938)
Dec	15.0	38	(58	260	1949)	61	(90	220	1956)

(Larwick Observatory: 60°08'N, 01°11'W. Wind vane 93 m above sea level).



## Wind Direction & Speed in hours 1993

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
0 to 10 knots	211	185	165	150	130	226	360	254	322	318	279	374
11 to 21 knots	257	322	121	93	143	345	431	328	446	465	288	289
Over 22 knots	49	166	33	82	112	291	364	309	406	243	91	48
Total hours under 11 knots	211	185	165	150	130	226	360	254	322	318	279	374
Total hours under 22 knots	468	507	286	243	273	571	791	582	768	783	567	663
<b>Total hours</b>	<b>517</b>	<b>673</b>	<b>319</b>	<b>325</b>	<b>385</b>	<b>862</b>	<b>1155</b>	<b>891</b>	<b>1174</b>	<b>1026</b>	<b>658</b>	<b>711</b>



## No. of days in 1993 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Fog	Rain
Jan	22	8	6	25	0	30
Feb	10	7	0	6	2	24
Mar	13	8	0	8	0	22
Apr	3	1	0	3	2	19
May	1	0	1	0	4	15
Jun	0	0	0	1	1	13
Jul	0	0	0	0	0	20
Aug	0	0	0	0	1	24
Sep	0	0	0	0	1	14
Oct	1	2	0	4	0	25
Nov	2	1	0	7	0	19
Dec	9	9	1	8	0	28
<b>Total</b>	<b>68</b>	<b>36</b>	<b>8</b>	<b>62</b>	<b>11</b>	<b>253</b>

Days of Snow or Sleet: snow or sleet observed at any time of day.

Air Frost: minimum air temperature less than 0.0 deg. C. at any time of day.

Thunder: thunder heard at any time of day.

Gales: mean wind speed greater than or equal to 34 knots for at least 10 minutes.

Fog: visibility less than 1000 metres at 09.00 H GMT.

Rain: precipitation 0.2mm or more recorded in the 24 hour period commencing 09.00 H GMT.

## Extreme Values 1993

### Temperature (deg. C.)

Max. Temp.	14th August	15.3
Min. Temp.	25th January	-6.2

### Sunshine (hours)

Sunniest Day	2nd June	15.6
Sunniest Month	May	155.7

### Rainfall (millimetres)

Wettest Day	10th January	26.0
Wettest Month	January	226.6
Driest Month	September	38.1

### Wind Speed (knots)

Highest Gust	17th January	91
Windiest Month	January	26.9

## Population

After decades of decline the population of Shetland, which had fallen to nearly 17,000 in the mid-1960s, rose by 35% between 1971 and 1981 as a direct result of oil related activity. In the early 1980s the population fell due to out migration after the end of oil construction activity and difficulties at Sumburgh Airport. In the latter half of the 1980s and the early 1990s the population level has been fairly stable albeit at a lower level than in 1981.

Within the overall picture there is a shift towards a more elderly society and fewer young people entering the labour market. That this is a national trend is well known and needs to be borne in mind when considering the level of service provision illustrated later on in this booklet.

Another issue related to population and the subsequent topic of unemployment is that of depopulation. As the table on page 15 shows, Shetland has an enviably low level of unemployment compared to other areas of Scotland. It is vital that this is maintained through a healthy economy rather than outward migration, as has happened in previous periods of economic difficulty.

## Population Breakdown by Age and Sex

Age Group	1981			1991			1993		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
0-4	888	890	1,778	830	797	1,627	841	810	1,651
5-9	901	881	1,782	815	743	1,558	854	772	1,626
10-14	959	913	1,872	903	837	1,740	897	815	1,712
15-19	907	846	1,753	831	790	1,621	767	740	1,507
20-24	886	791	1,677	838	757	1,595	797	713	1,510
25-29	1,006	852	1,858	883	785	1,668	964	841	1,805
30-34	1,052	874	1,926	851	792	1,649	927	798	1,725
35-39	857	782	1,639	917	795	1,712	897	823	1,720
40-44	706	577	1,283	933	787	1,720	885	752	1,637
45-49	571	518	1,089	767	713	1,480	852	764	1,616
50-54	503	520	1,023	614	556	1,170	708	627	1,335
55-59	542	516	1,058	500	491	991	550	493	1,043
60-64	385	488	873	439	454	893	466	433	899
65-69	443	510	953	415	474	889	378	461	839
70-74	371	512	883	295	439	734	330	470	800
75-79	239	411	650	261	396	657	209	360	569
80-84	157	259	416	165	314	479	161	304	465
85+	64	191	255						
85-89				72	182	254	73	206	279
90+				24	61	85	21	71	92
<b>Total</b>	<b>11,437</b>	<b>11,331</b>	<b>22,768</b>	<b>11,359</b>	<b>11,163</b>	<b>22,522</b>	<b>11,577</b>	<b>11,253</b>	<b>22,830</b>

1981 figures from 1981 Census - (usually resident population, not including temporary residents).

1991 figures from 1991 Census - (usually resident population). See note on page 12.

1993 figures — General Register office mid-year estimate.

## Population of Shetland by area:

	1931	1951	1961	1971	1981	1991
Unst.....	1,341	1,112	1,151	1,127	1,140	1,067
Yell.....	1,883	1,483	1,152	1,143	1,191	1,083
Fetlar.....	217	161	127	88	102	87
Mavis Grind - North.....	1,343	1,054	816	696	898	875
Delting.....	958	863	701	674	2,719	2,491
Nesting.....	822	563	434	380		
Whalsay.....	900	859	764	871	1,025	1,043
Skerries.....	110	127	108	100	88*	87
Tresta - Bridge of Walls..	1,562	1,225	957	873	869	899
West of Bridge of Walls..	884	687	561	483	715	599
Foula.....	118	75	54	33	45*	45*
Papa Stour.....	100	68	55	24	35*	35*
Whiteness/Weisdale/ Gott/Tingwall.....	1,140	1,604	1,603	1,671	1,075	1,183
Scalloway.....	-	-	-	-	1,160	1,053
Trondra.....	91	54	20	17	88*	117
Burra.....	767	648	653	565	850*	886
Sandwick/Cunningsburgh..	1,507	1,376	1,172	1,120	1,303*	1,352
Bigton Junction - South..	1,089	1,021	858	848	1,347	1,579
Fair Isle.....	108	73	64	65	69*	68
Lerwick.....	4,221	5,538	5,908	6,127	7,143	7,220
Bressay.....	452	335	269	251	335	353
Quarff/Gulberwick.....	1,518	426	385	171	579*	400
<b>Total Population .....</b>	<b>21,131</b>	<b>19,352</b>	<b>17,812</b>	<b>17,327</b>	<b>22,768</b>	<b>22,522</b>

\* Estimated

Populations were enumerated on a slightly different basis at the 1981 and 1991 Censuses and are therefore not strictly comparable.

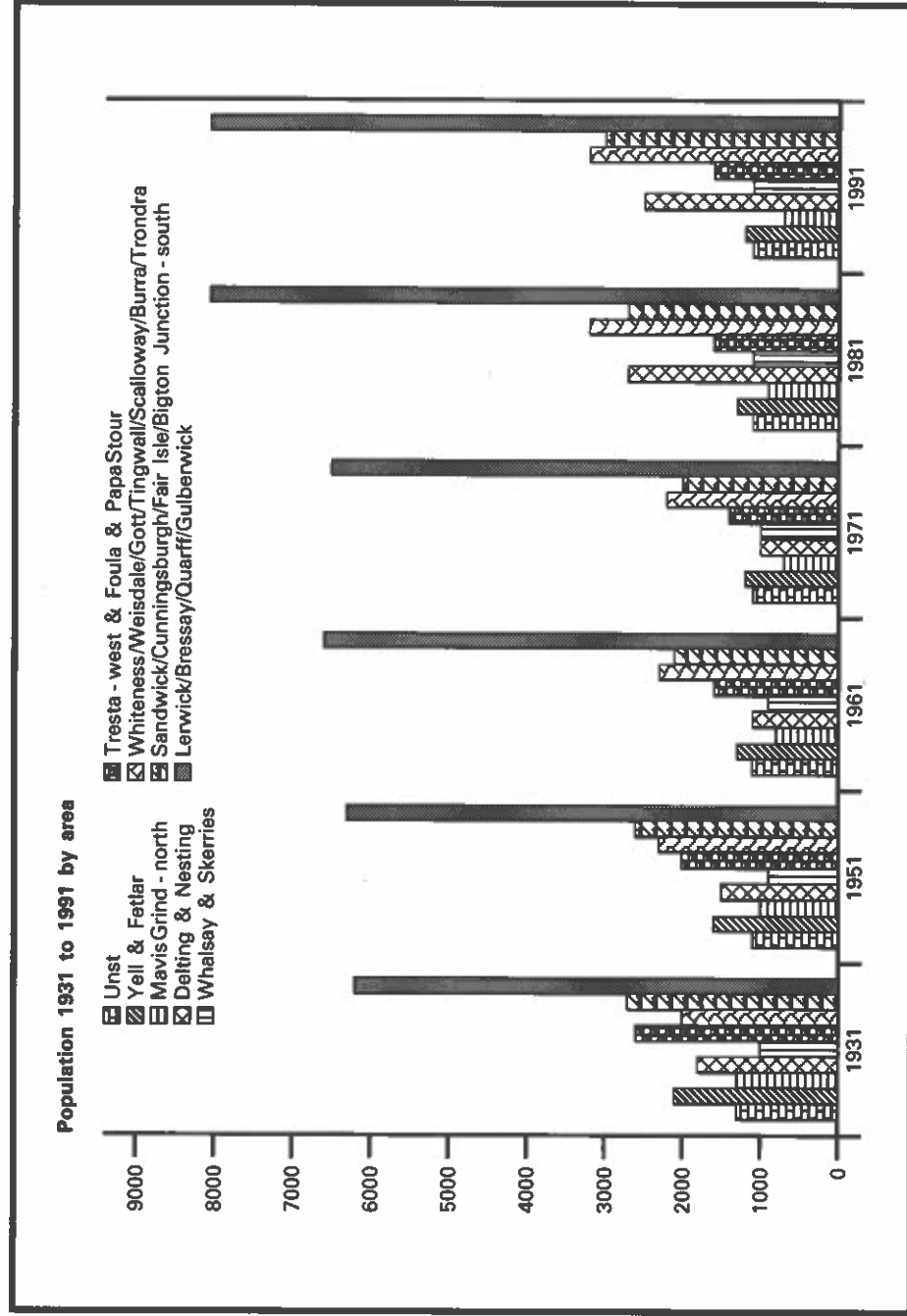
1981 Census — Resident Population excluding absent households.

1991 Census — Resident Population including absent households.

The 1991 estimate above is the more accurate representation of the usually resident population.

However, for comparative purposes with 1981 figure, the 1991 estimate, on the same basis, 21,905

represents a drop of nearly 900 (4%) for the decade.





## Introduction to Economy and Industry

One of the key components of providing statistics is to give a sense of proportion to the various activities that take place within Shetland. The economy is an important factor in this and particularly the traditional industries, so called because in one form or another they exploit the resources that are locally available.

To attempt to achieve this sense of proportion this section will, after considering the overall indicators, focus on the individual sectors of the traditional industries, examining in turn, output, employment and general economic activity. That this is followed by the various facets that make up the oil industry both offshore and land based, is only natural given its influence on Shetland over the last 20 years.

The first table below shows the trends in output in the traditional industries over the past decade. Whilst it is encouraging to note that over this time total output has more than doubled, it is obvious that this growth is greater in certain sectors, particularly fisheries and within this specifically salmon farming. The need to understand and then encourage this trend will become apparent in the ensuing sections particularly in the light of declining oil revenues.

### Traditional Industry Output Values (£ million)\*

	1982/3	1985/6	1987/8	1990/1	1992
Fish Catching	11.2	17.0	17.8	16.7	20.0
Fish Processing	12.7	15.0	17.5	21.0	25.0
Salmon Farming	—	3.3	19.9	23.3	33.0
Agriculture	5.8	7.8	9.3	10.0	11.0
Knitwear	4.2	6.4	6.5	3.5	4.0
Tourism	3.5	5.9	8.1	10.0	10.0
<b>Total</b>	<b>37.4</b>	<b>55.4</b>	<b>79.1</b>	<b>84.5</b>	<b>103.0</b>

\* Output values for Shetland's oil and oil-related firms are included in the Oil Industry Section. Source: McNicol Survey and Development Department estimates.

### Shetland Exchequer Balance 1988

Government Expenditure	£000s	Government Revenue	£000s
Household Income	15,961	Taxes on Income	40,260
Local Government	11,056	Taxes on Expenditure	37,580
Health Service	7,918	Social Security contributions	20,490
Agricultural Subsidies	2,590	Taxes on Capital	2,430
Services	1,338		
Fixed Investment	1,300		
Industry	70		
<b>Total</b>	<b>40,233</b>	<b>Total</b>	<b>100,760</b>

Source: Shetland Industry Study, Fraser Allander Institute.

Estimates were derived for total Government receipts from Shetland for the year of the study (1988) e.g. income and Corporation taxes, and for total Government money received in Shetland e.g. through grants, benefit payments, etc.

Although the methodology used in this study is fairly crude the margin between expenditure and receipts is so wide that it is clear that Shetland made a positive net contribution to the Government exchequer of between £50-60 million.

In addition the oil flowing through Sullom Voe in the same year contributed nearly £700m to Government through the Petroleum Revenue Tax (PRT).

## Employment

### Economic Activity in Shetland 1971-1991

	1971			1981			1991		
	M	F	T	M	F	T	M	F	T
A	8,432	8,895	17,327	11,437	11,331	22,768	11,359	11,163	22,522
B	6,245	6,825	13,070	8,511	8,493	17,004	8,653	8,638	17,286
C	4,935	1,890	6,825	7,056	3,901	10,957	6,906	4,541	11,447
D	4,645	1,785	6,430	6,721	3,743	10,464	6,382	4,309	10,691
E	290	105	395	335	158	493	387	149	536
F	79.0%	27.7%	52.2%	82.9%	45.9%	64.4%	79.8%	52.5%	66.2%

A — Total Population (Census); B — Total Population 16+; C — Resident: Economically Active; D — Resident: In Employment; E — Resident: Out of Employment; F — % Economically Active (of 16+ population). Source: Population Census.

### Unemployment percentage as at June each year

	1977	1979	1981	1988	1989	1990	1991	1992	1993
Shetland %	4.0	2.8	5.3	6.4	4.9	3.7	3.6	3.6	4.1
Actual Figures Jan:	213	220	402	740	657	416	354	403	455
July:	289	233	457	611	440	366	314	370	420
Orkney %	4.8	5.7	9.0	11.2	7.9	5.6	5.5	5.5	5.5
Western Isles %	14.0	11.8	20.1	20.2	14.3	11.9	14.5	11.0	14.7
Grampian %	4.3	4.6	7.6	7.5	5.3	3.8	4.0	4.2	5.0
Strathclyde %	9.8	9.8	16.1	15.6	12.6	11.3	12.3	11.3	12.9
Scotland %	8.6	8.1	13.5	11.6	9.1	7.7	9.0	9.1	9.5

Notes: 1. The official unemployment percentage figures for Shetland under-represents the true position due to the official method of calculation and Shetland Islands Council produces its own percentage figures. For example, the official percentage rate for December 1988 was 6.4 per cent, while the Council's figure was 7.4 per cent. (Further information on the method of calculating the percentage unemployed is available from the Development Department, Shetland Islands Council). 2. As from Sept. 1989 2 percentage figures are now available for Shetland from the Dept of Employment: one is based on total labour force including self-employed and the other is based on employees. The latter is consistent with previous figures, and all the figures quoted above are on this basis. 3. The basis for calculating the number of people unemployed has been changed several times in recent years by the Government, each time excluding different categories of people.

### Youth Unemployment in Shetland:

First destination of school leavers as at September of each year.

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apprenticeships	58	52	33	38	33	10	13	9	10	10	7	9
Jobs	96	104	123	101	93	99	97	98	69	76	52	62
YTS/YOP	46	41	82	105	102	128	110	124	100	111	88	115
Unemployed	21	30	19	19	26	19	13	8	8	16	13	10
N/A	17	20	10	12	16	18	11	11	16	12	9	10
<b>Total</b>	<b>238</b>	<b>247</b>	<b>267</b>	<b>275</b>	<b>270</b>	<b>274</b>	<b>244</b>	<b>250</b>	<b>203</b>	<b>225</b>	<b>169</b>	<b>206</b>

## Employment in Shetland

	1971(a)	1977(b)	1981(c)	1983(d)	1988(d)	1991(d)
Primary	279	322	938	1,276	1,187	1,258
Manufacturing	1,335	1,125	940	923	962	1,121
Construction	489	1,004	906	763	766	817
Services	2,885	4,400	6,189	5,779	5,929	5,817
Self Employed	1,445	1,450	1,452	1,455	1,565	1,691
<b>Total</b>	<b>6,433</b>	<b>8,301</b>	<b>10,425</b>	<b>10,196</b>	<b>10,409</b>	<b>10,704</b>

Note: These figures do not include the construction workforce at the Sullom Voe Oil Terminal. 1980 was a peak year with 7,052 temporary construction and service workers. The large section of the self employed are fishermen; the bulk of the remainder, tradesmen.

Sources: (a) 1971 Population Census and Department of Employment; (b) Department of Employment; (c) Shetland Islands Council Development Department estimate; (d) Shetland Islands Council Development Department survey.

## Distribution of Employment by Area/Type/Sex

	Primary		Manufacturing		Construction		Service		Total		Total
	M	F	M	F	M	F	M	F	M	F	
	Unst	45	6	11	4	48	1	89	161	193	
Yell	69	5	25	17	19	—	69	109	182	131	313
Fetlar	10	1	—	—	—	—	4	8	14	9	23
Mavis Grind North	75	12	16	16	1	—	22	56	114	84	198
Delting	738	78	8	7	123	6	124	249	993	340	1333
Nesting	22	11	—	1	6	—	—	19	28	31	59
Whalsay	181	3	29	61	5	—	37	74	252	138	390
Skerries	26	—	3	6	—	—	10	13	39	19	58
Tresta to B. of Walls	98	27	4	10	46	3	64	69	212	109	321
West of B. of Walls	86	18	10	20	4	—	15	41	115	79	194
Foula	—	1	1	2	—	—	3	9	4	12	16
Papa Stour	2	—	—	—	1	1	1	4	4	5	9
W/W/G/T *	52	8	11	17	58	4	57	76	178	105	283
Scalloway	158	1	75	30	6	2	106	123	345	156	501
Trondra	5	—	—	—	—	—	1	3	6	3	9
Burra	15	1	11	24	34	1	11	29	71	55	126
Sandwick/C'burgh	46	5	19	23	67	7	45	85	177	120	297
Bigton Junction South	—	—	3	2	2	—	172	132	177	134	311
Fair Isle	—	—	2	8	3	—	6	13	11	21	32
Lerwick	166	11	507	192	546	32	1778	2516	2997	2751	5748
Bressay	5	1	16	—	—	—	15	18	36	19	55
Quarff/Gulberwick	40	4	6	1	1	—	6	6	53	10	63
	1839	193	757	441	970	57	2635	3812	6201	4503	10704

Source: Development Department 1991 Employment Survey

\* Whiteness, Weisdale, Gott and Tingwall

## Fisheries

### Fish landed in Shetland by UK vessels (Excluding pelagic landings)

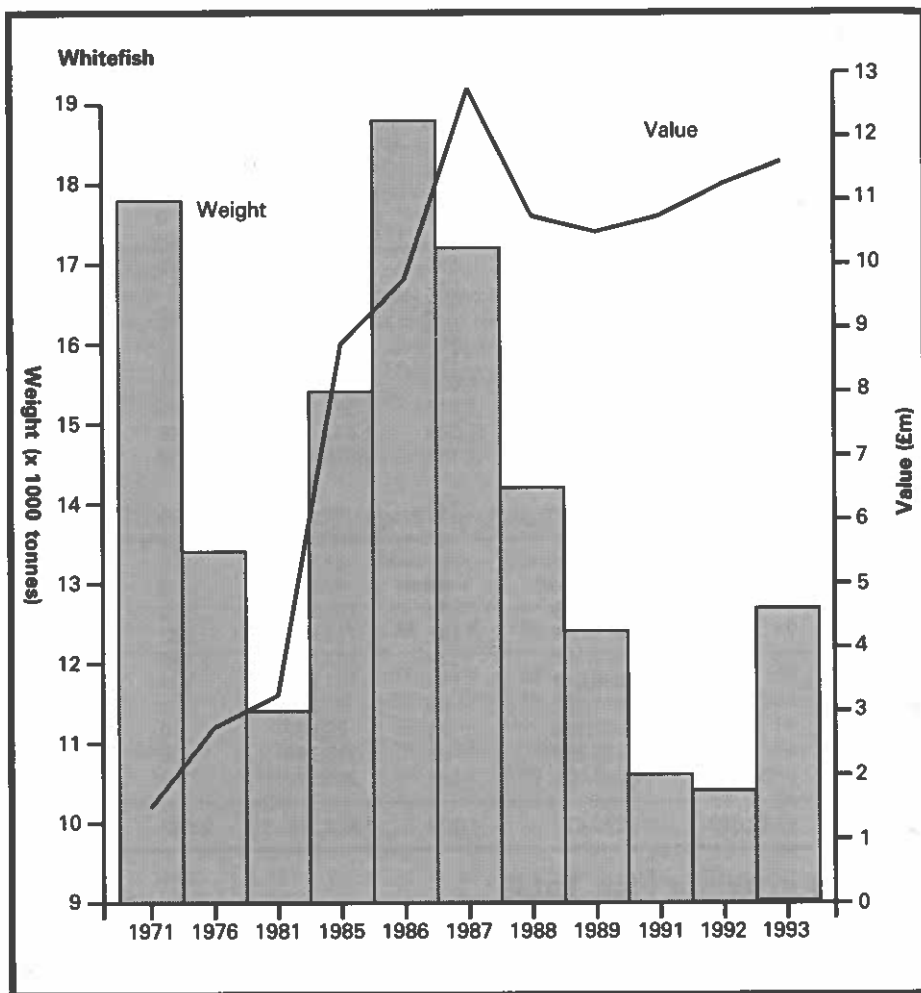
	White Fish		Shell Fish		Sand Eels	
	Tonnes	£	Tonnes	£	Tonnes	£
1971	17,954	1,057,691	783	159,370	0	0
1976	13,457	2,587,548	588	202,339	18,548	515,398
1981	11,444	3,212,175	695	328,200	40,731	1,173,560
1985	15,314	8,806,974	642	416,693	17,223	528,129
1986	18,941	9,979,705	736	630,639	11,960	359,162
1987	17,298	12,764,227	868	623,891	8,141	249,273
1988	14,297	10,879,139	795	690,088	9,436	341,502
1989	12,427	10,735,844	1,033	1,134,586	7,947	304,986
1990	11,362	12,820,321	1,110	1,315,049	10,544	464,655
1991	10,603	10,823,185	1,004	1,402,010	8,249	392,776
1992	10,556	11,171,700	1,163	1,593,000	4,152	185,300
<b>1993</b>						
Jan	828	980,327	13	30,189	0	0
Feb	1,125	847,873	60	106,334	0	0
Mar	1,276	1,173,247	61	97,524	0	0
Apr	975	1,107,480	48	63,574	0	0
May	1,204	959,045	82	103,016	0	0
Jun	1,157	876,554	142	159,602	1,052	43,067
Jul	1,128	921,103	123	159,810	1,550	66,333
Aug	981	806,611	113	131,549	341	14,549
Sep	999	911,365	85	87,334	0	0
Oct	992	907,156	74	76,032	0	0
Nov	1,212	1,133,690	90	113,788	0	0
Dec	756	1,046,026	129	245,610	0	0
<b>Total</b>	<b>12,633</b>	<b>11,670,477</b>	<b>1,020</b>	<b>1,374,362</b>	<b>2,943</b>	<b>123,949</b>

### Included in White Fish Total

	1991		1992		1993	
	Tonnes	£	Tonnes	£	Tonnes	£
Cod	2,220	2,744,602	1,936	2,414,300	2,049	2,096,037
Haddock	2,140	2,447,125	2,323	2,051,400	4,569	3,139,281
Whiting	2,463	1,437,210	2,509	1,336,800	2,585	1,212,100
Monkfish	1,429	3,554,426	1,406	3,466,400	1,630	3,918,849

### Average Quay Prices per tonne

	1985	1986	1988	1989	1991	1992	1993
	£	£	£	£	£	£	£
Cod	634.85	828.42	894.84	936.23	1,236.31	1,247.06	1,022.95
Haddock	610.10	565.40	608.86	749.94	1,143.52	883.08	687.08
Whiting	476.92	506.43	580.81	549.73	583.52	532.80	468.89
Monkfish	—	1,507.60	1,450.83	2,029.40	2,487.35	2,465.43	2,404.20



The graph above illustrates a very simple and powerful message in relation to whitefish fisheries in Shetland. Over the past 20 years the catch has halved in tonnage but doubled in monetary value. That this is quota driven is obvious, as is the need to encourage any potential changes in legislation that may be used to the benefit of the local fleet.

### Total Wet Fish landed in Shetland by UK vessels (all species)

1985		1988		1991		1992		1993	
Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
68,966	13,826,680	65,842	15,661,106	104,187	21,338,570	115,927	22,391,700	107,140	23,907,266

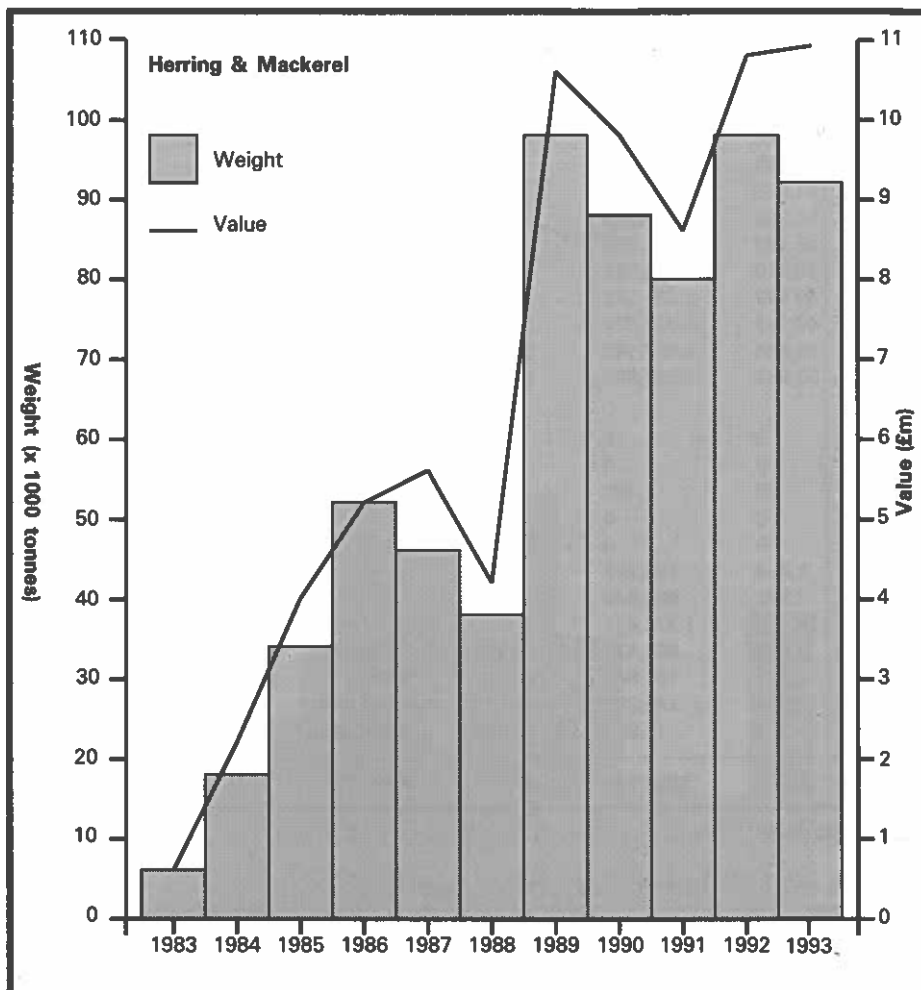
### Pelagic Landings in Shetland by UK Vessels

	Herring		Mackerel		Other Pelagic	
	Tonnes	£	Tonnes	£	Tonnes	£
1983	4,656	643,822	0	0	0	0
1984	17,784	2,251,719	49	2,782	488	25,393(a)
1985	31,938	3,804,000	2,710	226,585	1,109	49,886(a)
1986	51,230	5,216,706	226	29,558	313	31,302(a)
1987	45,193	5,425,585	1,120	118,517	335	22,441(b)
1988	36,910	4,233,525	917	55,579	4,282	151,361
1989	49,572	5,331,545	47,776	5,450,084	3,252	151,888
1990	49,113	5,479,327	39,197	4,515,021	5,530	250,333
1991	41,684	3,963,148	38,514	4,829,790	5,124	284,674
1992	37,497	3,596,300	59,777	7,255,200	3,945	183,200
<b>1993</b>						
Jan	0	0	3,582	274,047	0	0
Feb	0	0	1,846	213,002	4,644	255,459(c)
Mar	29	1,160	819	98,966	5,693	297,919(c)
Apr	0	0	0	0	8,677	390,464(c)
May	0	0	0	0	2,247	101,109(c)
Jun	1,434	173,392	0	0	140	20,000(c)
Jul	6,382	680,644	0	0	1,753	71,492(d)
Aug	14,188	1,474,627	0	0	602	37,725(b+c)
Sep	7,839	801,479	267	40,105	0	0
Oct	973	101,843	24,183	3,066,233	1,677	67,064(a)
Nov	1,341	146,602	11,417	1,499,764	2,081	90,341(a)
Dec	124	12,997	17,757	2,356,808	0	0
<b>Total</b>	<b>32,310</b>	<b>3,392,744</b>	<b>59,871</b>	<b>7,547,925</b>	<b>27,514</b>	<b>1,331,573</b>

(a) Horse Mackerel; (b) Scad & Sprats; (c) Blue Whiting; (d) Capelin.

### Weight and Value of Catch by Method

	1991		1992		1993	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	3,346	2,595,164	2,425	1,835,000	2,157	1,521,250
Industrial Trawler	8,249	392,856	7,721	352,000	3,173	133,157
Demersal Trawl	7,692	8,983,964	7,347	8,394,000	9,700	9,617,341
Purse Seine	74,932	8,091,220	81,992	9,464,000	77,185	9,239,091
Pair Trawl (Demersal)	359	261,024	726	626,000	833	637,038
Pair Trawl (Pelagic)	2,798	344,707	8,042	841,000	7,189	831,306
Single Boat Trawl	7,583	732,290	7,460	557,000	5,931	667,873
Scallop Dredging	404	801,552	496	906,000	575	858,648
Queen Escallop	40	15,116	49	19,000	21	7,933
Dredging	1	274	0	0	0	0
Creels	404	398,285	464	332,000	304	264,162
Hand & Small Lines	16	18,369	10	8,000	12	31,470
Hand Gathered	39	52,766	19	8,000	59	97,997
<b>Total</b>	<b>105,863</b>	<b>22,687,587</b>	<b>116,751</b>	<b>23,342,000</b>	<b>107,139</b>	<b>23,907,266</b>



In contrast to the previous graph for the whitefish catch, the graph given above illustrates a very different story for the pelagic fleet. In this case both tonnage and value have increased over the period at relatively similar levels. What is perhaps more important is that the margin on this type of fish is small necessitating large volumes to ensure viability. In such a case any negative change in quotas could have a very detrimental effect both on the fleet and the onshore processing capability. Equally the growth in tonnage has allowed for the development of the klondyking fleet, which has spin-off benefits for the overall economy. At the peak of the season there are up to 400 klondykers in and around Lerwick Harbour, each with between 50 and 300 crew members, representing a substantial temporary addition to the local processing capability.

### Distribution of Licenced Vessels by District 1993

Creek 1 — Grutness/Sandwick	16
Creek 2 — Lerwick/Bressay	24
Creek 3 — Whalsay	42
Creek 4 — Out Skerries	8
Creek 5 — Yell/Fetlar/Unst	16
Creek 6 — Northmavine	6
Creek 7 — Central Mainland	4
Creek 8 — West Mainland	34
Creek 9 — Scalloway/Burra/Trondra	59
<b>Total Licenced Vessels</b>	<b>209</b>

Source: Scottish Fisheries Protection Agency

### Distribution by Licenced Vessel Size

	Over 80 ft *	50-80 ft	30-50 ft	0-30 ft	Total
1971	0	38	36	59	136
1976	0	46	29	57	137
1981	0	43	27	44	124
1983	0	43	25	46	125
1985	0	41	29	55	137
1986	0	36	19	48	113
1987	0	39	15	64	128
1988	5	34	15	47	111
1989	6	36	21	64	137
1990	5	34	20	22	91
1991	5	34	20	22	91
1993	25	22	37	125	209

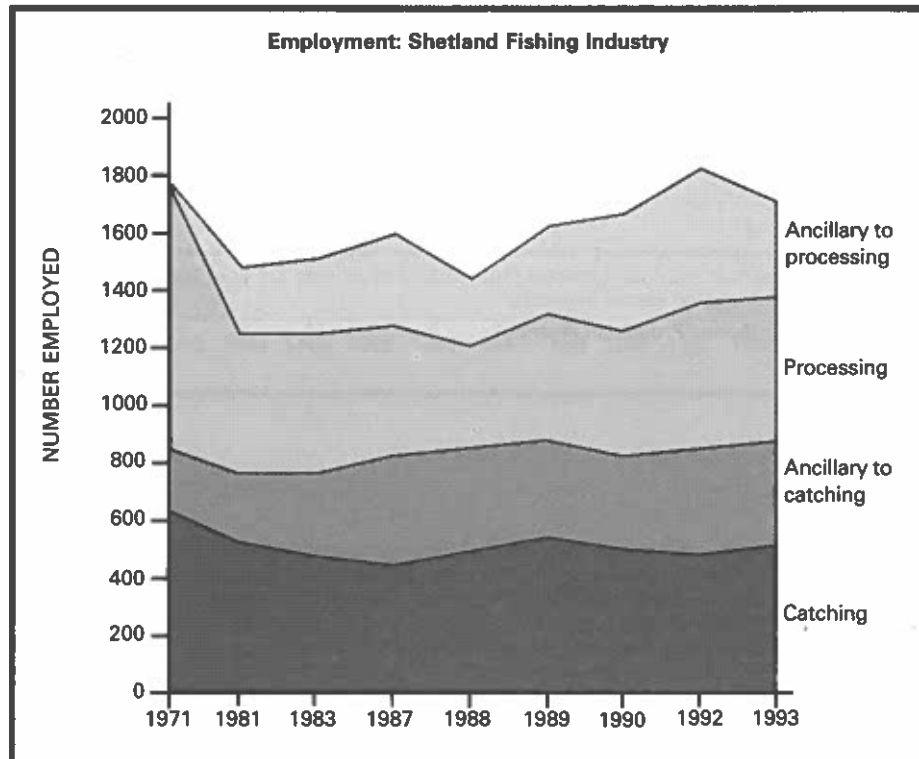
Note: Due to changes in legislation vessels previously unregistered are now licenced, hence an apparent increase in overall vessel numbers.

Source: Scottish Fisheries Protection Agency

## Employment in the Shetland Fishing Industry

	1971	1981	1983	1987	1988	1989	1990	1992	1993
Catching	636	542	515	512	535	547	491	488	534
Ancillary	171	243	244	326	330	386	332	352	385
Processing	967	480	516	468	370	445	533	583	580
Ancillary	—	244	310	310	240	290	350	419	417
<b>Total</b>	<b>1774</b>	<b>1509</b>	<b>1585</b>	<b>1616</b>	<b>1475</b>	<b>1695</b>	<b>1706</b>	<b>1842</b>	<b>1916</b>

The figures given above represent a period of relative stability within the traditional fishing industry at least in terms of overall employment level. That far greater fluctuations have taken place at individual company level is well known, with the closure of Iceatlantic in Scalloway being more than compensated for by the opening of Shetland Catch in Lerwick. However other changes have taken place and it is important to bear this in mind when considering the overall trend, albeit that it indicates growth.



## Fish Processing

	1984	1985	1987	1988	1989	1990	1991	1992	1993
Number of firms	8	8	11	12	13	14	14	15	16
Number of factories	14	14	14	14	14	15	15	16	17

## Processing lines

	1984	1985	1987	1988	1989	1990	1991	1992	1993
White fish	11	11	12	7	7	5	5	6	6
Herring & Mackerel	1	1	1	0	1	1	1	1	1
Fish meal plants	2	2	2	2	2	1	1	1	1
Shellfish	2	2	2	2	2	3	3	3	3
Salmon	0	0	0	5	6	7	7	5	5
Smokers	0	0	2	2	2	2	2	3	4

The white fish and pelagic section of the industry experienced a difficult year in 1993 due to irregular supplies of raw material. There are, however, companies diversifying into pelagic, fresh white fish, fresh and smoked salmon and shellfish processing. As a result, output in the industry continued to rise and was estimated to be around £27 million in 1992/93.

An important trend to appreciate from the above, and indicated by the overall direction of employment in the traditional fishing industry, particularly processing, is that a great deal of structural change is taking place. This is evident from the decline in the number of whitefish processing lines reflecting the rationalisation currently ongoing in this industry. That it is offset by the growth in salmon processing lines distracts from the real problem but is encouraging for overall growth. This is also reflected in the growing employment levels in the salmon industry, both direct and indirect, given on the next page.

Shetland Seafood Quality Control is committed to ensure the high standard of the industry's products. Current investment in facilities include the provision of fully equipped laboratories with state-of-the-art instrumentation. The ability to provide a comprehensive analytical service is vital to meet customer demands for higher standards.

## Salmon Industry

Due to price fluctuations and unsure markets the industry has started to consolidate its position. At the same time it is one of the most valuable industries in Shetland, and more fish than ever are being processed within the islands, especially for smoking.

### Salmon Farms

	1984	1985	1986	1988	1989	1990	1991	1992	1993
Farms Established	5	14	13	10	6	1	0	0	2
Farms Producing	4	13	27	43	49	58	59	52	51
<b>Total</b>	<b>9</b>	<b>27</b>	<b>40</b>	<b>53</b>	<b>55</b>	<b>59</b>	<b>59</b>	<b>52</b>	<b>53</b>

### Production

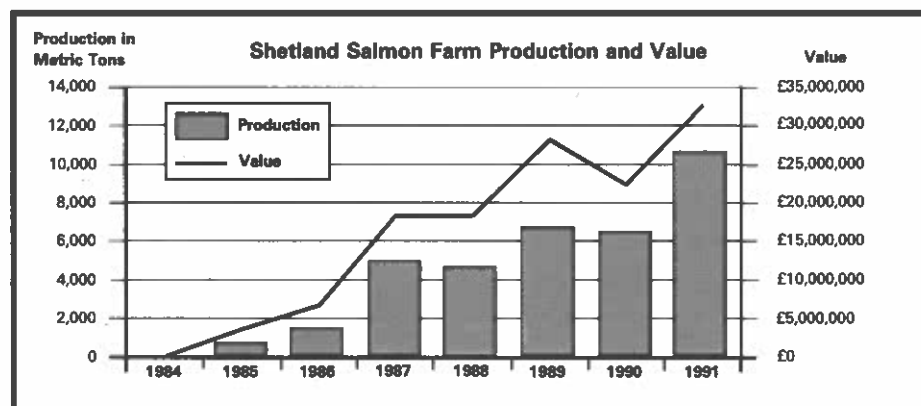
	1984	1985	1986	1988	1989	1990	1991	1992	1993
Smolts Introduced (x000)	294	575	935	3,195	3,716	4,143	4,005	5,138	3,805
Production (tonnes)	50	700	1,500	4,575	6,731	6,461	10,614	10,679	9,700
Average Tonnes per Farm	13	54	56	106	137	111	180	205	190

### Value

	1984	1985	1986	1988	1989	1990	1991	1992	1993
Production value (m)	.22	3	6	18	28	22	33	33	25
Average per Tonne	4,400	3,857	3,787	4,000	3,526	3,405	3,146	3,080	2,667

### Employment

	1984	1988	1990	1991	1992	1993
Direct	40	239	330	386	391	342
Ancillary	59	280	390	482	488	415
<b>Total</b>	<b>90</b>	<b>519</b>	<b>720</b>	<b>868</b>	<b>879</b>	<b>757</b>



## Agriculture

	1971	1981	1991	1992	1993
<b>Land Use (Figures to nearest hectare):</b>					
Tillage	1,410	1,062	749	729	666
Grassland & Crops	8,407	8,400	15,232	15,676	17,240
Rough Grazing (inc. C Grazing)	129,019	133,160	130,516	139,827	128,159
Total Area Rented	38,130	36,046	36,738	37,428	38,074
Total Area Owned	28,161	30,368	34,400	34,819	34,285
No. of Holdings	2,439	2,240	2,433	2,441	2,427
No. of Common Grazings	93	93	100	100	100

	1971	1981	1991	1992	1993
<b>Area Under Crops (Figures to nearest hectare):</b>					
Grass (excl. Rough Grazings)	6,998	7,338	14,482	14,928	16,573
Barley & Oats	857	511	214	210	220
Turnips & Swedes	134	103	110	116	81
Kale & Cabbage	73	34	35	n/a	n/a
Potatoes	256	232	147	146	136
All Other Crops	17	25	144	149	148

	1971	1981	1991	1992	1993
<b>Livestock:</b>					
Beef Cows & Heifers	2,492	1,896	2,139	2,175	2,114
Dairy Cows & Heifers	791	593	648	660	620
Total Cattle	6,945	5,103	5,750	5,691	5,454
Breeding Ewes & Gimmers	n/a	n/a	214,881	216,133	213,669
Total Sheep	264,779	297,558	394,193	394,867	389,161
Pigs	9	83	28	42	37
Poultry	12,950	8,672	4,621	4,644	4,815
Registered Slaughter Houses	9	8	4	3	3
Sheep Slaughtered	8,417	9,592	8,712	5,900	6,703
Cattle Slaughtered	485	278	339	360	151
Pigs Slaughtered	0	0	33	64	37
Sheep Exported	43,464	60,542	99,404	98,328	98,429
Cattle Exported	1,947	2,066	2,117	2,196	1,688
Ponies Exported	417	407	239	n/a	n/a
Wool Production (kilos)	n/a	c.212,000	c.300,000	c.300,000	c.300,000

	1971	1981	1991	1992	1993
<b>Milk:</b>					
Dairy Units	23	23	16	15	12
Milk Production (Litres)	1,428,975	2,069,550	2,584,564	2,598,733	2,651,126

	1971	1981	1991	1992	1993
<b>Employment:</b>					
F/T & P/T Employees	222	204	262	274	302
F/T & P/T Occupiers	439	457	918	899	857
Others (including occupiers less than half time, wives/husbands of occupiers and casual/seasonal labour)	584	718	1,446	1,416	1,409

**Shetland Islands Council Charitable Trust  
Assistance to Shetland Agriculture**

As part of the Shetland Islands Council's 10 Year Agricultural Plan, the SIC Charitable Trust operates an Agricultural Loans Scheme which started in September 1982. The following table summarises the salient features of 287 agricultural loans approved up to and including the Trustees' meeting of 19th November, 1993.

**Development Projects**

Type of project	Numbers	Hectares	Metres	Gross Cost
Drainage/Ditching		75.70		£313,510
Fencing		218.50		869,679
Roads			29,407	188,190
Reseeding		3,778.26		1,284,465
Buildings				2,746,339
Machinery				1,192,566
Livestock: Sheep	12,676			382,422
Cattle	473			246,045
Pigs	19			1,300
Hens	300			594
Quota: Sheep	120			5,520
Cattle	—			
Milk	(litres) 471,535			179,880
Land Purchased/Assigned		3,599.30		933,128
Loan to NEF to provide Emergency Stockpile of Animal Feedstuffs				32,000
Other (Horticultural & Drystane Dykes)				94,683
Allowance for Inflation				268,713
<b>Total Gross Cost</b>				<b>£8,739,034</b>
Financed by: Grants (from SOAFD, HIE and SIC Reserve Fund)				£3,042,166
Personal Contributions (a minimum of 15% of the Gross Costs before inflation. This does not apply to the £32,000 Emergency Stockpile)				£1,331,967
Loans from the SIC Charitable Trust				£4,364,901
Sums Relinquished/Loans Withdrawn				£(565,945)
Balance of Funds				£631,044
Scheme Total				£4,430,000

Note: This table shows loans approved, not necessarily schemes completed. Some applicants withdraw from the Scheme without taking up the loans offered, and because of this there may be differences in the figures shown above and those published in earlier editions of Shetland in Statistics.

Source: SIC Dept of Finance.

## Knitwear

### Size and Production

The knitwear industry grew during the first half of the 1980s but has unfortunately fallen back in line with the national downward trend in the textile industry. In the mid 80s there were 50 businesses generating around £5 million of output. The latest estimates for 1991/92 show that there are only around 30 businesses generating around £4 million of output. The decline is reflected in the reduced number employed in the industry as indicated below.

A wide range of garments are produced using hand knitting, hand frame knitting and machines. The majority of companies are very small businesses while a handful of companies produce most of the output.

### Employment

	Employees			Self Employed			Home Knitter
	Full Time	Part Time	Total	Full Time	Part Time	Total	
1971	234	111	345	—	—	—	2,268
1977	155	71	226	—	—	—	2,098
1981	—	—	131	—	—	—	1,200
1983	109	48	157	30	43	73	1,800
1988	79	39	117	42	35	77	1,400
1991	56	33	89	15	13	28	1,345
1992	70	17	87	11	8	19	1,003

### Markets

Nearly 50 per cent of the garments made are directly exported throughout the world from Shetland. Of the remaining garments, about 40 per cent go to the UK market. Many which are sold to London retailers and wholesalers are exported, and about 10 per cent are sold locally.

The major marketing problem is the plagiarism of the word 'Shetland' by knitwear manufacturers all over the world. Many millions more garments labelled 'Shetland' are turned out than produced in the islands or could be accounted for by the production of wool from native sheep. Wool production for 1992 was estimated at about 300,000 kilos.

A number of Shetland knitwear manufacturers banded together in 1983 to form the Shetland Knitwear Trades Association in order to promote 'Real' Shetland knitwear. A new certification trade mark was patented (The Shetland Lady) and this forms the cornerstone of the Association's marketing campaign. In view of current difficulties the industry is having to review its marketing strategy.

## Crafts

Shetland has a long tradition of producing high quality craft goods. The main products apart from knitwear include, tweed, jewellery (using local stones and designs), silverwork, pottery, leatherwork, woodwork, fiddle-making, tapestry, printed goods and cast figurines. There are also a number of local artists and photographers and there are approximately 40 people employed in the printing industry.

While the total number of people employed in craft work is not high, many of the businesses are located outside Lerwick and provide a valuable source of income in the rural areas. The value of output (sales) in 1991/92 was estimated to be c.£800,000. Many of the craft businesses sell through craft and trade fairs on the mainland as well as to visitors locally.





## Origin of Visitors 1991 (percentage)

	%	Overseas Visitors	%
Scotland	31	Norway	16
Rest of Britain	39	Germany	14
Overseas	28	Sweden	14
		North America	9
		Faroe Islands	8
		France	6
		Holland	4
		Italy	4
		Australia/New Zealand	4

## Number of Visitors on Package Holidays (P&O Only)

Duration	1982	1983	1984	1986	1988	1989	1990	1991	1992
Seven Days	276	881	1,846	2,017	1,175	1,630	1,411	2,184	1,720
Midweek	1,085	858	1,170	1,866	935	835	1,469	2,164	808

Source: P&O Ferries

## P&O Ferries Mini-Cruise Passengers

1983	1984	1985	1986	1988	1989	1990	1991	1992
2,108	1,746	1,897	1,768	1,804	1,799	1,847	2,014	1,533

## Cruise Liner Arrivals at Lerwick Harbour

1988	1989	1990	1991	1992	1993
20	15	21	21	24	32

## Cruise Liner Passengers

1981	1983	1984	1985	1986	1987	1988	1989	1991	1993
3,564	3,820	5,399	5,790	6,279	4,930	4,636	5,444	5,240	8,961

Source: Lerwick Harbour Trust

## Oil

The North Sea oil industry has long been recognised as a key component of not only Shetland's economy but the economy of the UK as a whole. At a local level this reflects in three main areas: Sullom Voe Oil Terminal, the offshore oil and gas fields and the services related to both of these.

## Sullom Voe Oil Terminal

The Terminal is situated at Calback Ness on a site of approximately 400 hectares (1,000 acres) on the shores of Sullom Voe, 46 km (29 miles) north of Lerwick. It is Europe's largest oil and liquefied gas terminal and has a capacity to handle over half the UK's potential offshore oil production. BP Exploration Operating Company Ltd. operates the Terminal on behalf of c. thirty companies participating in the Brent and Ninian pipeline groups. The Terminal currently has a throughput design capacity of 1.2 million barrels of crude oil per day and reached a peak in 1984 with a total receipt of 439,434,656 barrels (58,328,785 tonnes), an average of over 1.2 million barrels per day and now averages about 900,000 barrels per day.

## Exploration and Development

- 1970** — The exploration phase for oil and gas offshore Shetland began when the Government allocated the first Licence Blocks.
- 1975** — The development phase. The laying of the Brent and Ninian pipeline systems, and the floatout of the Beryl and Brent field production platforms. Construction work began on the Sullom Voe Oil Terminal with a peak workforce of over 7,000 in 1980.
- 1978** — The first oil was piped to Sullom Voe through the Brent pipeline from the Dunlin oilfield on 25th November. The first oil was shipped out from the terminal by the Shell tanker 'Donovania' five days later and on 3rd December the first oil arrived through the Ninian pipeline from the Heather oilfield. On the 31st December the fuel bunkers of the tanker 'Esso Bernicia' were ruptured when she hit a mooring bollard. Resulting oil spillage caused widespread pollution around Yell Sound shores.
- 1982** — In April the first fractionation of gas took place at the terminal and a month later the first gas was shipped out. In December the final construction and commissioning work at the terminal was completed and Sullom Voe received its one billionth (1,000 million) barrel of oil.
- 1987** — In September LPG processing and shipment was suspended for major repairs to corrosion under insulation on process pipelines (CUI). On 30th October the three billionth barrel of stabilised crude oil was produced at the terminal. The Alwyn North field was brought on stream in November through the Ninian line.
- 1990** — The largest cargo, of 341,260 tonnes of oil was lifted by the 'Chevron North America'. On 8th July the four billionth barrel of crude oil was produced at the terminal. In August the crude oil was commingled and renamed Brent Blend.
- 1992** — In March, Staffa, a subsea development, linked to Ninian South platform 8.5km away, came on stream. On 1st December, PIMS Commingling, the blending of Brent and Ninian crude, took place for the first time after metering and before stabilisation.
- 1993** — In March, Lyell, came on stream followed in December by Strathspey. On 22nd December the five billionth barrel of oil was produced to store.

### Sullom Voe Terminal: throughput of oil

	1979	1985	1989	1990	1992	1993
Barrels	141,217,363	463,738,834	303,406,697	263,150,988	307,021,264	295,790,506
Tonnes	18,923,444	57,986,378	40,145,142	34,883,218	40,569,604	39,095,588

### Sullom Voe Terminal: average barrels per day

	1979	1985	1989	1990	1991	1992	1993
Brent System	212,472	823,372	462,803	366,910	419,864	532,709	512,349
Ninian System	174,425	373,173	368,448	354,052	322,592	308,445	298,036
Total	386,897	1,196,545	831,251	720,962	742,455	841,154	810,385

### Sullom Voe Terminal: total throughput of gas (tons)

	1984	1985	1986	1989	1990	1991	1992	1993
Propane	886,426	877,727	823,220	425,541	379,041	350,497	282,388	358,473
Butane	649,833	650,337	630,262	303,615	260,483	248,164	192,358	242,724

### Brent Pipeline System: throughput of oil

	1979	1985	1989	1990	1992	1993
Barrels	77,552,205	300,530,869	168,923,197	133,922,065	194,438,699	187,007,322
Tonnes	10,367,579	39,796,300	22,377,043	17,789,666	25,692,715	24,717,747

### Ninian Pipeline System: throughput of oil

	1979	1985	1989	1990	1992	1993
Barrels	63,665,158	136,207,965	134,483,500	129,228,923	112,582,565	108,783,184
Tonnes	8,555,865	18,190,078	17,768,099	17,093,552	14,876,889	14,377,841

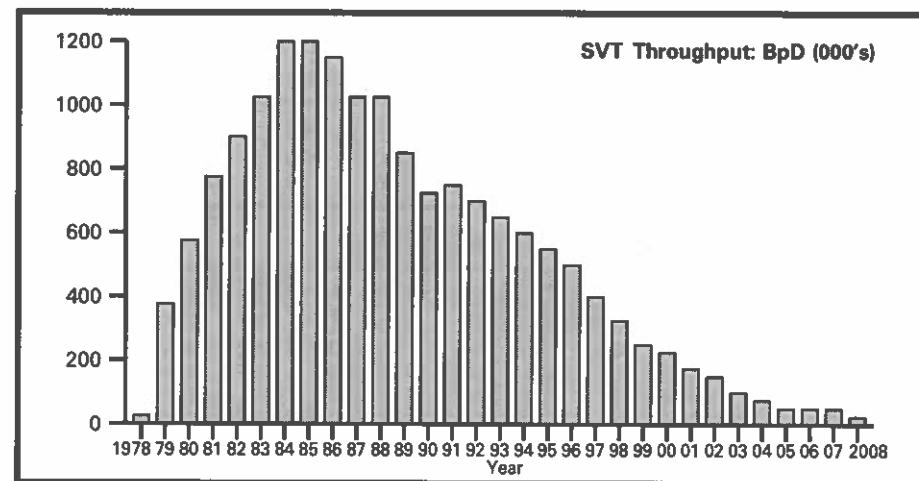
### Brent Pipeline System: throughput of gas (tons)

	1984	1985	1986	1989	1990	1992	1993
Propane	492,419	188,713	476,742	112,555	110,567	102,112	130,963
Butane	317,195	368,347	375,641	70,060	65,315	66,528	76,181

### Ninian Pipeline System: throughput of gas (tons)

	1984	1985	1986	1989	1990	1992	1993
Propane	349,007	388,602	346,478	312,986	268,474	180,276	227,510
Butane	278,638	281,990	254,621	233,555	195,168	125,830	166,543

### Sullom Voe Terminal — Projected Throughput



Source: County Nat West Woodmac (CNWM) projections 1991

### Oilfields in Production

Name of Field	Date Field on stream	Operator	Average production Jan-Dec 1988*
Beryl A	1976	Mobil	66.2
Brent (B)	1976	Shell	305.4
Dunlin (B)	1978	Shell	49.4
Heather (N)	1978	Union	14.5
Ninian (N)	1978	Chevron	131.7
Thistle (B)	1978	Britoil	52.1
South Cormorant (B)	1979	Shell	43.8
UK Stafford	1979	Conoco	112.5
Murchison (B)	1980	Conoco	49.5
North Cormorant (B)	1982	Shell	78.9
North West Hutton (B)	1983	Amoco	28.3
Magnus (N)	1983	BP	141.4
Beryl B	1984	Mobil	33.1
Deveron (B)	1984	Britoil	4.9
Hutton (B)	1984	Conoco	62.9
Alwyn North (N)	1987	Total	69.2
Eider (B)	1988	Shell	2.8
Tern (B)	1989	Shell	n/a
Don (B)	1989	Shell	n/a
Osprey (B)	1991	Shell/Esso	n/a
Staffa (N)	1992	Lasmo North Sea	n/a
Lyell (N)	1993	Conoco	n/a
Strathspey (N)	1993	Texaco	n/a

(B) part of Brent pipeline to Sullom Voe.

(N) part of Ninian pipeline to Sullom Voe.

\* '000 Barrels per day.

One of the important factors in the oil industry is related services and employment generated by Sullom Voe and the services to the offshore industry in Shetland. This is given below in both direct services and the most immediate indirect ones.

### Sullom Voe Harbour: total of tankers using port

	1979	1982	1984	1985	1986	1988	1989	1990	1992	1993
Oil	270	536	672	672	654	580	479	412	481	398
Gas	0	55	124	114	112	70	50	48	35	56

### Permanent Terminal Workforce

	1982 % local		1983 % local		1984 % local		1985 % local		1988 % local	
SIC Ports & Harbours	90	74	91	76	96	71	99	72	91	70
Shetland Towing	92	85	93	85	91	93	92	93	94	94
BP	406	50	414	54	413	54	414	56	558	58
Sub-Contractors	460	37	642	46	618	54	475	62	559*	44
<b>Total Employees</b>	<b>1,048</b>	<b>49</b>	<b>1,240</b>	<b>54</b>	<b>1,218</b>	<b>58</b>	<b>1,080</b>	<b>63</b>	<b>1,332</b>	<b>55</b>

	1989 % local		1990 % local		1991 % local		1992 % local		1993 % local	
SIC Ports & Harbours	98	70	95	70	94	71	99	79	99	74
Shetland Towing	94	100	92	100	94	100	94	100	93	100
BP	560	67	536	66	516	58	513	66	467	69
Sub-Contractors	242	58	204	60	406	56	349	58	297	78
<b>Total Employees</b>	<b>994</b>	<b>68</b>	<b>927</b>	<b>68</b>	<b>1,110</b>	<b>62</b>	<b>1,055</b>	<b>66</b>	<b>956</b>	<b>76</b>

Source: Joint Employment Monitoring Group; BP; Shetland Towing; SIC Ports & Harbours Department.

\* The large increase in Sub-Contractor employees was due to the contract for major repairs to the terminal's gas pipelines.

### Marine Service Bases

Base	Area in Hectares (Acres)	Berths Operational
O.I.L. (Shetland) Ltd. (Greenhead Base)	16.20 (40.00)	9
Shell UK Exploration & Production Ltd.	4.05 (10.00)	2
Shetland Industries Ltd.	4.05 (10.00)	2

Berthage for supply vessels is available at Scalloway and Baltasound Harbours.

### Marine Service Employment

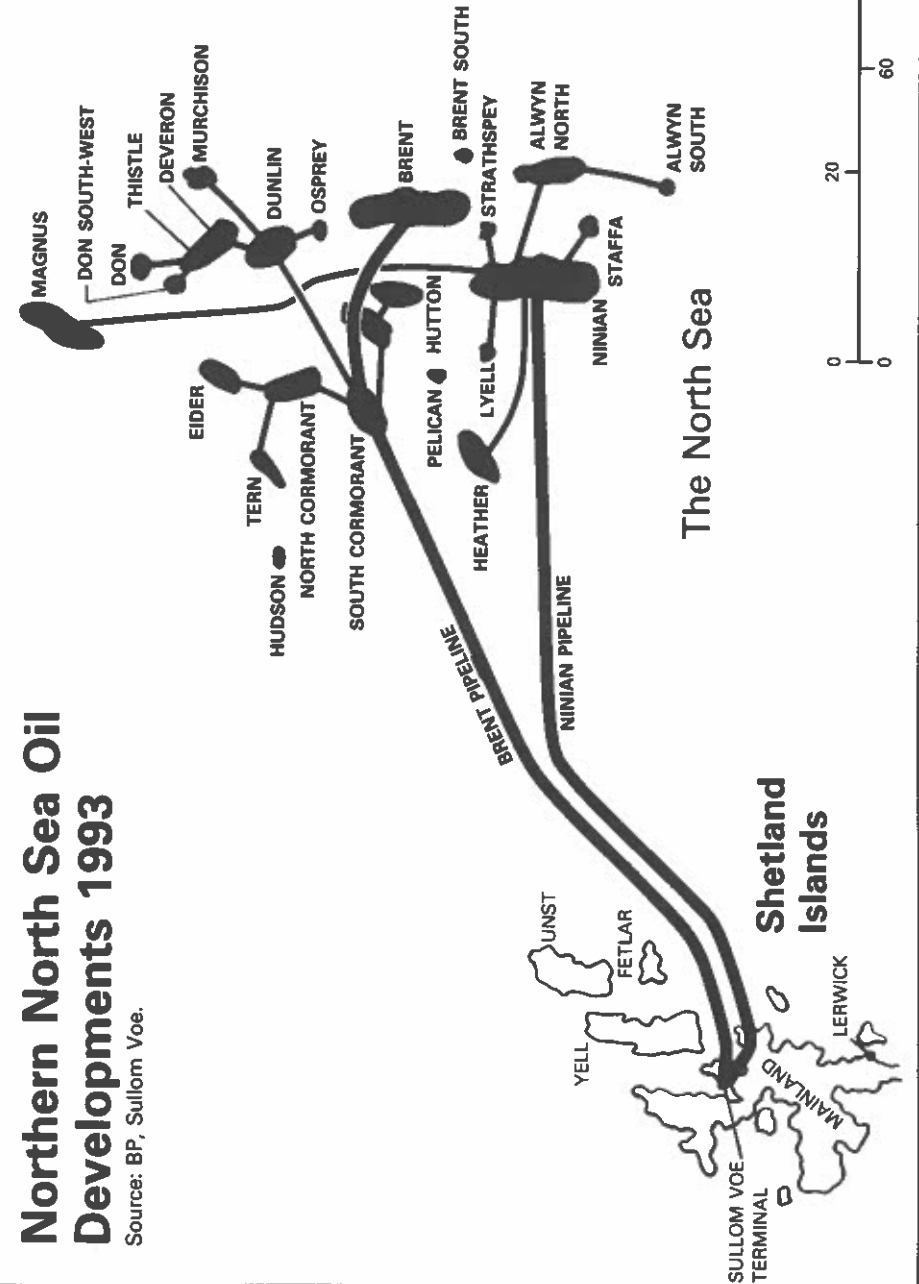
1972	1976	1984	1985	1987		1989		1990		1992		1993	
				March	Sept	March	Sept	March	Sept	March	Sept	March	Sept
21	185	271	295	230	215	226	233	237	216	220	204	195	213

Source: Joint Employment Monitoring Group and SIC Survey

See Transport section for oil related air services.

## Northern North Sea Oil Developments 1993

Source: BP, Sullom Voe.





## Industrial Sites

Sixteen serviced sites and estates have been developed, and more are planned.

Industrial Site	Owner	Area in hectares (acres)
<b>Developed:</b>		
Baltasound	HIE	0.90 ( 2.24)
Black Hill, Lerwick (Black Hill), Lerwick	LHT/BP HIE	1.86 ( 4.60) 2.02 ( 5.00)
Bressay	SIC	0.30 ( 0.74)
Burra	SIC	1.00 ( 2.47)
Cunningsburgh	SIC	1.05 ( 2.60)
Dunrossness	SIC	0.90 ( 2.24)
Fetlar	SIC	0.42 ( 1.03)
North Gremista, Lerwick	SIC	2.55 ( 6.30)
Ollaberry	SIC	1.13 ( 2.80)
Scalloway	SIC	1.61 ( 3.98)
Skeld	SIC	0.88 ( 2.17)
South Gremista, Lerwick	SIC/HIE	5.45 (13.47)
Sandness	SIC	0.60 ( 1.48)
Sella Ness	SIC/HIE	8.87 (21.91)
Walls	SIC	0.60 ( 1.48)
Wethersta	SIC	0.31 ( 0.77)
<b>Planned:</b>		
Uyeasound	SIC	0.34 ( 0.84)
Yell	SIC	0.52 ( 1.28)
Staney Hill	SIC	1.82 ( 4.50)

SIC Shetland Islands Council	BP BP Petroleum Development Ltd.
LHT Lerwick Harbour Trust	HIE Highlands and Islands Enterprise

## Transport

### Internal Air and Sea Transport

Location	Type of Transport	Type of Service*	Surface Type and Dimensions of Airstrip
Unst	Air/SIC Vehicle Ferry		Bituminous (640 x 28m)
Yell	SIC Vehicle Ferry		
Fetlar	Air/SIC Vehicle Ferry	Air = Charter only	Soft Gravel (457 x 18m)
Skerries	Air/SIC Vehicle Ferry		Rolled Gravel (Firm) (381 x 18m)
Whalsay	Air/SIC Vehicle Ferry	Air = Charter only	Rolled Gravel (Firm) (457 x 18m)
Scatsta	Air		Bituminous (960 x 28m)
Bressay	SIC Vehicle Ferry		
Tingwall	Air		Bituminous (740 x 18m)
Sumburgh	Air		Tarmac (1,084 x 46m) Tarmac (1,426 x 46m) Tarmac (550 x 45m)
Fair Isle	Air/SIC Ferry		Rolled Gravel (Firm) (457 x 18m)
Papa Stour	Air/SIC Ferry	Air = Charter only	Soft Gravel
Foula	Air/SIC Ferry		Soft Gravel (457 x 18m)

\* All SIC vehicle ferries operate on both a charter and scheduled basis.  
Air services operate similarly, except where stated.  
All internal air services are operated by Loganair Ltd.

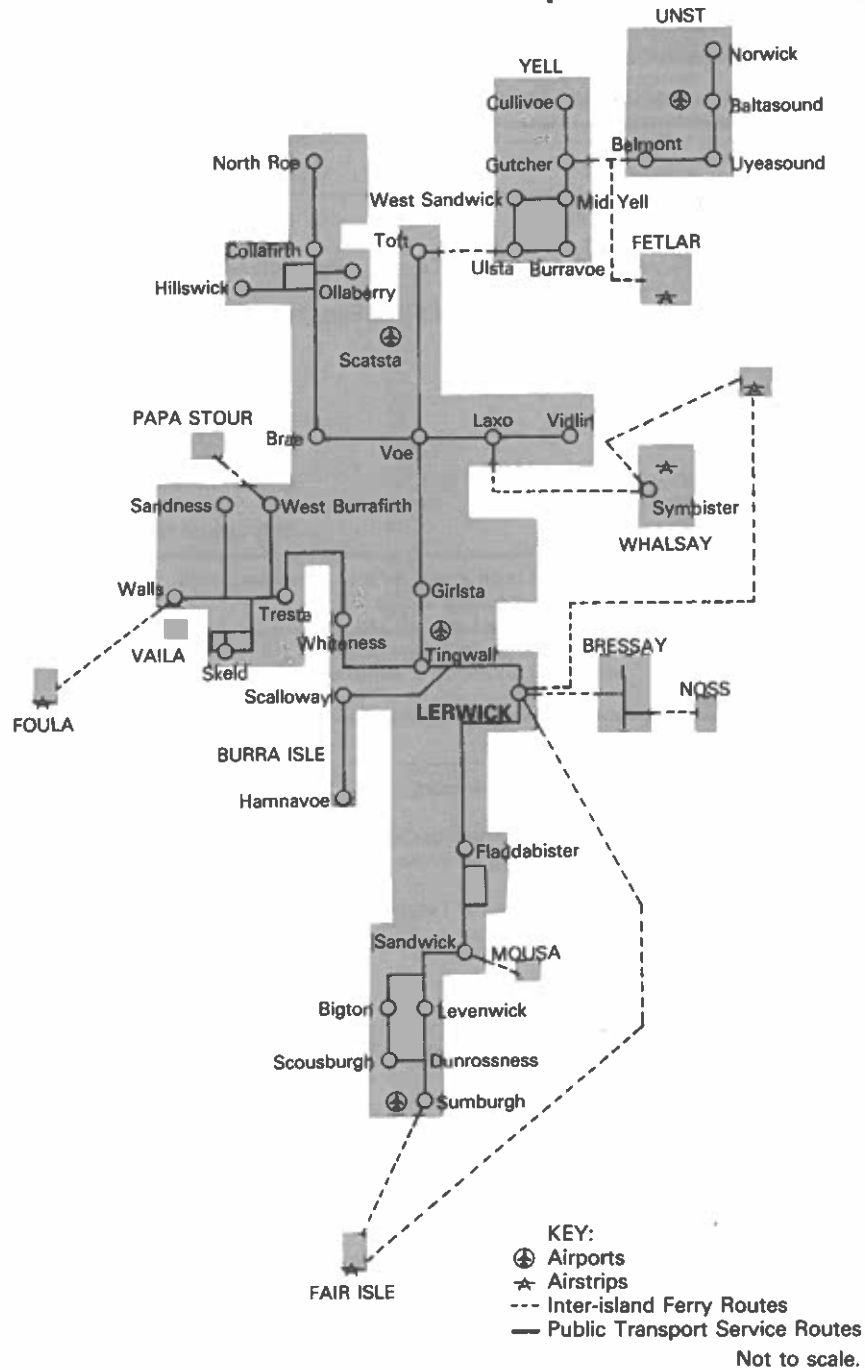
### Bus Services

Route	Operator
Lerwick to: Sumburgh, Sumburgh Airport Sandwick Brae/Hillswick/North Roe/Mossbank Weisdale-Skeld; Weisdale-Walls Walls Voe-Toft (for Yell, Unst & Fetlar) Laxo (for Whalsay) Scalloway, Burra	A. Eunson: J. Leask & Son Shalder Coaches Shalder Coaches J. Watt & Son Shalder Coaches J. Leask & Sons J. Leask & Son Shalder Coaches
Lerwick Town Service: Sound to North Staney Hill via Town Centre, Lochside & return	J. Leask & Son
Yell: Ulsta-Gutcher-Cullivoe Ulsta-Mid Yell-West Sandwick	R. Jamieson A. Williamson
Unst: Belmont-Saxa Vord/Baltasound	P. Y. Mills

### Present Schedule of County Highways

Principal Roads	224.90 km. (139.75 miles)
Non-principal Roads	154.70 km. ( 96.13 miles)
Unclassified Roads	549.47 km. (341.40 miles)
Total	929.07 km. (572.28 miles)

## Shetland: Internal Transport



## Inter Island Ferries

### Shetland Islands Council Ferry Traffic: Passengers

Ferry Route	1986	1987	1990	1991	1992	1993
Yell	96,364	83,694	105,228	113,897	119,150	107,881
Unst/Fetlar	40,605	47,774	59,482	65,608	65,177	69,657
Bressay	96,849	94,389	146,073	135,447	146,326	123,681
Whalsay	45,888	51,642	64,118	67,385	75,026	76,005

### Vehicles

Ferry Route	1986	1987	1990	1991	1992	1993
Yell	65,264	65,925	84,336	89,041	100,506	104,531
Unst/Fetlar	28,202	38,627	41,996	51,816	58,246	50,500
Bressay	31,958	33,462	47,520	50,272	58,238	71,104
Whalsay	31,660	34,011	44,838	48,911	55,020	60,078

Note: Figures for 1992 and 1993 are estimates only.

## External Ferries

### P&O Ferries Services: Passengers and Accompanied Cars Aberdeen - Lerwick

	Passenger Journeys	Accompanied Car Journeys
1982	53,546	8,328
1983	57,365	8,542
1984	59,520	8,983
1985	64,839	9,504
1986	63,323	9,788
1987	70,805	10,211
1988	71,887	10,499
1989	73,793	11,268
1990	78,372	11,786
1991	80,346	11,350
<b>1992</b>		
January	2,525	484
February	1,835	401
March	2,792	554
April	6,374	969
May	6,660	907
June	9,063	1,242
July	12,009	1,965
August	11,652	1,822
September	7,484	973
October	5,676	1,041
November	2,865	651
December	3,009	644
<b>Total</b>	<b>71,944</b>	<b>11,653</b>

Note: Each passenger and car journey is counted one way. 1993 figures not available from P&O.

## Freight on P&O Ferries Services Aberdeen - Lerwick

	1984	1985	1986	1988	1989	1990	1991	1992
Commercial Vehicles	16,624	18,814	14,368	10,773	12,609	12,009	10,899	9,687
Commercial Trailers	34,232	29,573	25,745	36,446	52,780	61,432	56,255	56,517
Unaccompanied Cars	4,575	4,687	4,512	6,044	6,548	5,713	5,383	5,615

Running metres

## Smyril Line Service: Passengers and Vehicles\*

	1984	1985	1986	1987	1988	1989	1990	1991
Passengers	4,962	5,772	5,662	6,537	7,497	7,581	6,998	7,597
Vehicles	544	531	750	774	805	839	837	991

\* Total embarking and disembarking. Service between Shetland, Norway, Denmark, Faroe and Iceland operates May/June to September.

## Shipping in Lerwick Harbour

	1971	1981	1983	1985	1989	1991	1992	1993
General	316	418	451	639	754	738	796	710
HM Ships	41	62	60	48	24	16	12	17
Oil	51	140	106	135	113	114	112	149
Oil Rig Tenders	79	1,556	1,300	1,277	911	888	812	1,016
Other Vessels	448	480	582	710	973	841	920	818
(Yachts +	n/a	112	181	242	421	366)		372
British Fishing**	1,440	677	722	1,302	1,905	1,606	2,059	1,922
Foreign Fishing	1,580	246	329	195	243	216	216	222
<b>Total</b>	<b>3,955</b>	<b>3,579</b>	<b>3,550</b>	<b>4,306</b>	<b>5,344</b>	<b>4,419</b>	<b>4,932</b>	<b>5,226</b>

Source: Lerwick Harbour Trust \*\* Excludes local fishing fleet + Sub group of other vessels

## Foreign Fishing Vessels in Lerwick Harbour

	1971	1981	1983	1985	1989	1991	1992	1993
Belgium	0	0	0	0	0	0	0	1
Bulgaria	0	0	0	6	12	6	5	0
Chile	0	0	0	0	0	0	0	0
Denmark	374	117	115	65	49	66	35	32
Faroe	242	14	21	8	4	19	8	5
France	16	13	22	16	6	18	9	4
Germany (West) }+	3	1	0	8	10	22	5	13
Germany (East) }+	0	0	18	11	0			
Greenland	0	0	0	0	4	0	0	0
Iceland	215	2	0	3	13	0	0	4
Ireland	0	0	0	0	39	20	44	90
Netherlands	12	0	8	8	13	7	4	5
Norway	551	96	143	66	62	50	95	61
Panama	0	0	0	0	3	0	0	0
Poland	1	2	0	0	0	0	0	0
Portugal	0	0	0	1	0	0	0	0
Sweden	100	1	1	0	7	7	7	7
USSR	60	0	1	3	21	1	9	0
<b>Total</b>	<b>1,554</b>	<b>246</b>	<b>329</b>	<b>195</b>	<b>243</b>	<b>216</b>	<b>221</b>	<b>222</b>

Source: Lerwick Harbour Trust + Unified 1990

## Total Tonnage Handled in Lerwick Harbour

(Weight of containers excluded)

	1971	1981	1985	1991	1992	1993
General Cargo Imports	45,760	200,077	235,041	226,715	242,111	297,382
General Cargo Exports	48,849	57,471	49,578	98,335	140,391	193,555
Oil Related Imports	342	288,999	300,314	238,684	221,254	267,714
Oil Related Exports	0	421,807	486,059	315,996	287,266	369,558
<b>Total</b>	<b>94,951</b>	<b>968,354</b>	<b>1,070,992</b>	<b>879,730</b>	<b>891,022</b>	<b>1,128,239</b>

## Lerwick Harbour Trust Revenue

	1971	1981	1985	1991	1992	1993
	£49,000	£2,100,000	£3,062,000	£4,576,082	£4,429,042	£5,460,629

## Fish Factory Ships and Related Vessels

1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
41	54	85	219	175	136	247	253	230	248	402

## UK Port Traffic 1992

	Thousand Tonnes	Percentage of UK Total Traffic
London	48,949	9.9
Tees and Hartlepool	43,392	8.7
<b>Sullom Voe</b>	<b>41,430</b>	<b>8.4</b>
Grimsby and Immingham	40,821	8.2
Milford Haven	35,592	7.2
Southampton	29,803	6.0
Liverpool	27,795	5.6
Forth	23,270	4.7
Felixtowe	18,049	3.6
Medway	14,335	2.9
<b>All above Ports</b>	<b>323,436</b>	<b>65.2</b>
<b>All ports of United Kingdom</b>	<b>496,093</b>	<b>100.0</b>

Source: British Ports Association

## Shipping in Scalloway 1993

	No. of Visits	GRT
Foreign Commercial	140	73,002
Foreign Fishing	12	3,547
Foreign Yacht	10	118
Foreign Miscellaneous	1	125
British Commercial	56	23,484
British Fishing	204	18,722
British Miscellaneous	3	327
British Tug	2	286
British Yacht	9	248
SIC Vessels	11	519
Salmon Tenders (Period Dues)	19	427
Annual Dues	20	—
RNLI	1	—
<b>Total</b>	<b>488</b>	<b>120,805</b>

## 1993 Scalloway — Imports/Exports

Foreign Imports	1,834.193 tonnes
Foreign Exports	425.478 tonnes
Coastwise Imports	17,201.154 tonnes
Coastwise Exports	10,063.586 tonnes

## Shipping in Scalloway 1985-1992

	1985	1986	1989	1990	1991	1992
British fishing **	201	163	302	134	207	278
Foreign fishing	26	17	22	22	28	9
Frozen fish cargo vessels	22	20	3	0	1	1
Oil-related/stand-by	20	5	7	1	1	2
H.M. ships/Customs	0	0	1	2	0	1
General cargo	57	80	82	70	58	49
Other vessels	2	0	2	35	43	71
Passenger ships/ferries	35	11	6	0	0	0
Fishery research	3	0	2	12	1	4
Yachts	14	9	31	29	33	26
Sail training ships	1	0	0	0	0	2
<b>Total</b>	<b>381</b>	<b>305</b>	<b>458</b>	<b>305</b>	<b>372</b>	<b>443</b>

\*\* Excludes local fishing fleet

## Scalloway Harbour Revenue

1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
£160,419	£160,838	£206,876	£174,032	£214,791	£203,547	£202,598	£201,333

## Air Services

### Total aircraft traffic at Sumburgh, Scatsta, Unst and Tingwall

	1978	1984	1985	1988	1989	1990	1992	1993
Aircraft Movements	57,343	31,666	29,664	36,588	37,988	41,993	37,289	40,451
Passengers	757,470	384,465	369,434	475,608	524,402	580,078	541,859	614,414

### Employment

	1978	1982	1983	1984	1985	1988	1989	1990	1992	1993
Sumburgh	529	501	238	232	209	217	248	304	282	290
Tingwall	n/a	10	10	10	10	10	8	8	8	8
Scatsta	n/a	41	28	12	9	13	13	11	9	14
Unst	n/a	69	72	61	66	41	38	44	75	79
<b>Total</b>	<b>—</b>	<b>621</b>	<b>348</b>	<b>315</b>	<b>294</b>	<b>281</b>	<b>307</b>	<b>367</b>	<b>374</b>	<b>391</b>

### Size of UK Airports (Year ended October 1993)

	Terminal passengers ('000)	Percentage of passengers at all UK airports
Heathrow	47,265	42.5
Gatwick	19,960	18.0
Manchester	12,664	11.4
Glasgow	4,974	4.5
Birmingham	3,966	3.6
Edinburgh	2,675	2.4
Stansted	2,623	2.4
Aberdeen	2,270	2.0
Belfast	2,216	2.0
Newcastle	2,040	1.8
Luton	1,856	1.7
East Midlands	1,349	1.2
Bristol	1,087	1.0
Belfast City	785	0.7
Cardiff Wales	750	0.7
Leeds/Bradford	702	0.6
Isle of Man	486	0.4
Liverpool	460	0.4
Sumburgh	424	0.4
Southampton	413	0.4
Teesside	318	0.3
London City	235	0.2
Inverness	226	0.2
Humberside	198	0.2
Norwich	195	0.2
Exeter	175	0.2
Unst	134	0.1
Blackpool	99	0.1
Isles of Scilly (St Mary's)	99	0.1
Kirkwall	98	0.1
Stornoway	88	0.1

Source: Civil Aviation Authority

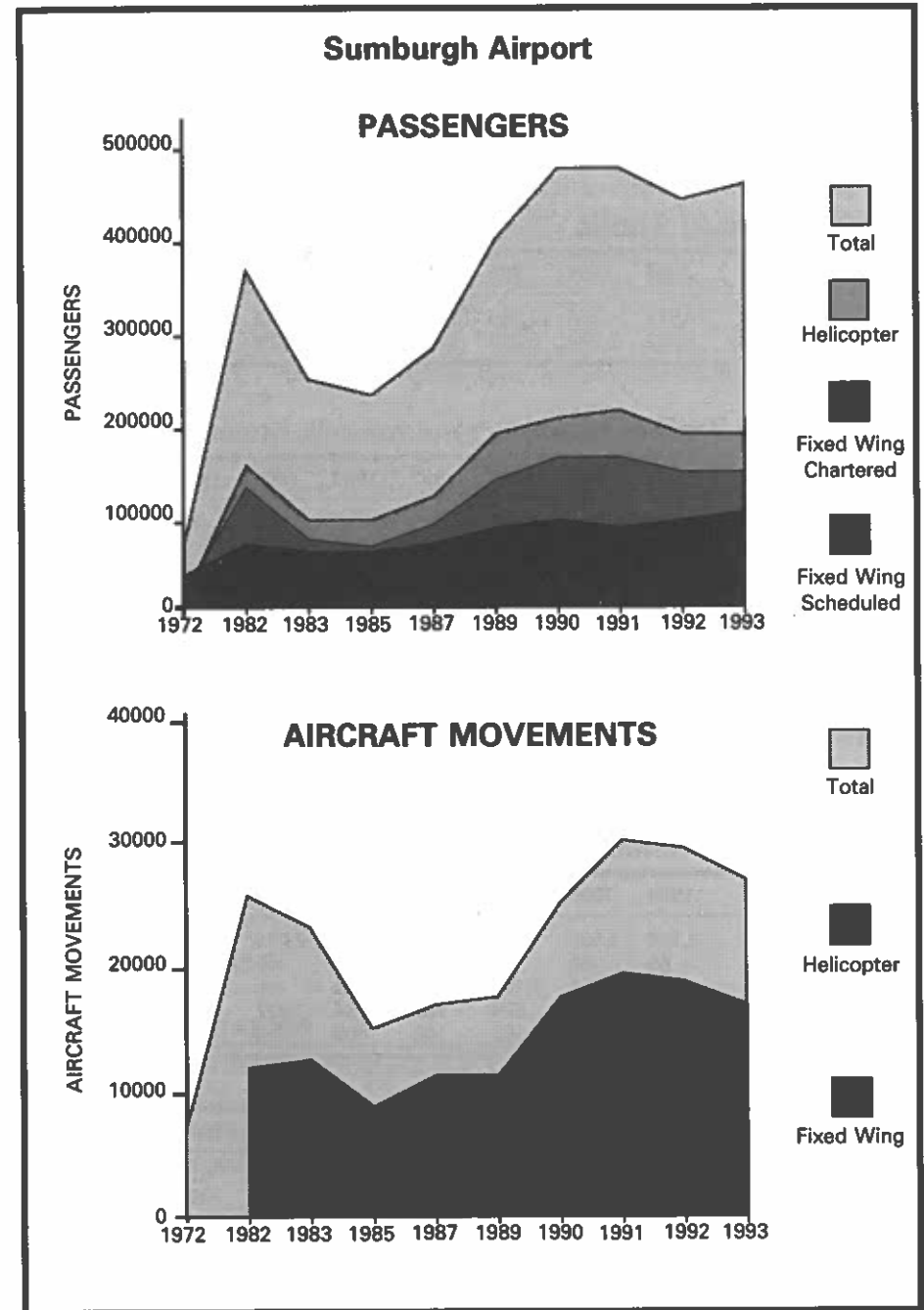


### Sumburgh Airport Traffic: Passengers & Freight

	Total Passengers	Fixed Wing Scheduled Passengers	Charter Passengers & Others	Helicopter Passengers	Freight (kgs)
1972	70,589	45,781	13,979	10,739	205,303
1976	250,778	78,654	84,111	88,013	157,438
1982	367,307	70,543	141,871	154,893	2,176,402
1983	247,678	61,326	84,162	102,190	1,481,389
1985	239,159	60,724	75,401	103,034	1,599,378
1987	288,793	63,959	102,205	122,629	1,441,408
1989	405,347	73,966	150,667	180,714	1,524,111
1990	470,894	81,676	179,648	209,570	1,586,795
1991	473,626	76,841	182,377	214,408	1,448,769
1992	442,330	93,825	163,060	185,474	1,457,810
1993 January	31,335	7,942	10,686	12,707	111,673
February	34,719	6,671	13,079	14,969	106,866
March	41,749	7,602	16,027	18,120	132,496
April	41,528	8,347	15,773	17,408	123,752
May	37,766	8,326	14,025	15,415	122,818
June	40,505	9,489	14,796	16,220	127,371
July	38,892	10,339	13,916	14,637	120,226
August	40,251	10,202	14,759	15,290	129,682
September	37,554	9,164	13,746	14,644	134,934
October	36,898	9,954	12,981	13,963	140,724
November	33,685	8,372	12,238	13,075	134,697
December	36,173	7,903	13,555	14,715	136,773
<b>1993 Total</b>	<b>451,055</b>	<b>104,311</b>	<b>165,581</b>	<b>181,163</b>	<b>1,522,012</b>

### Sumburgh Airport: Aircraft Movements

	Total	Fixed Wing	Helicopter
1972	6,095	n/a	n/a
1976	25,694	13,030	12,664
1982	23,412	10,070	13,342
1983	15,255	5,948	9,277
1985	17,004	5,480	11,524
1987	17,518	5,722	11,796
1989	25,659	8,299	17,360
1990	30,898	11,150	19,748
1991	29,168	10,321	18,847
1992	27,412	10,920	16,696
1993 January	2,535	992	1,543
February	2,151	785	1,366
March	2,497	949	1,548
April	2,490	981	1,509
May	2,214	869	1,345
June	2,386	881	1,505
July	2,215	902	1,313
August	2,316	952	1,364
September	2,215	983	1,232
October	2,206	879	1,327
November	2,122	848	1,274
December	2,254	865	1,389
<b>1993 Total</b>	<b>27,601</b>	<b>10,886</b>	<b>16,715</b>



## Scatsta Airport Traffic

	1984	1985	1986	1987	1989	1990	1991	1992	1993
Passengers	14,313	14,938	13,157	13,216	17,151	12,892	14,495	14,118	13,157
Aircraft Movements	2,593	2,548	2,232	1,982	1,589	590	630	694	832

## Tingwall Airport Traffic

	1984	1985	1986	1987	1989	1990	1991	1992	1993
Passengers	14,925	14,364	13,368	13,093	15,224	12,748	15,453	5,062	4,442
Aircraft Movements	3,322	3,344	3,333	3,337	3,198	3,189	2,917	2,549	2,335

## Unst Airport Traffic: Passengers

	1984	1985	1986	1987	1989	1990	1991	1992	1993
Fixed Wing	54,110	50,104	44,856	44,387	38,717	38,565	41,442	40,683	73,279
Helicopter	61,799	50,869	52,282	57,981	47,963	44,979	43,609	39,666	72,481
<b>Total</b>	<b>115,909</b>	<b>100,973</b>	<b>97,138</b>	<b>102,368</b>	<b>86,680</b>	<b>83,544</b>	<b>85,051</b>	<b>80,349</b>	<b>145,760</b>

## Aircraft Movements

	1984	1985	1986	1987	1989	1990	1991	1992	1993
Fixed Wing	2,338	2,158	2,052	2,566	1,674	1,592	1,674	2,108	2,916
Helicopter	5,426	4,610	6,540	7,963	5,868	5,724	5,474	4,526	6,767
<b>Total</b>	<b>7,764</b>	<b>6,768</b>	<b>8,592</b>	<b>10,529</b>	<b>7,542</b>	<b>7,316</b>	<b>7,148</b>	<b>6,634</b>	<b>9,683</b>

## Small Airfield Traffic: Passengers

Airfield	1984	1985	1986	1987	1989	1990	1991	1992	1993
Fair Isle	1,704	1,596	1,822	1,654	2,127	2,674	2,048	2,523	1,857
Fetlar	50	52	60	58	n/a	n/a	n/a	n/a	n/a
Foula	1,228	1,276	1,100	1,158	1,600	n/a	n/a	n/a	n/a
Skerries	603	554	624	706	734	927	900	900	n/a
Whalsay	90	100	100	140	400	320	360	300	n/a

## Aircraft Movements

Airfield	1984	1985	1986	1987	1989	1990	1991	1992	1993
Fair Isle	478	426	480	458	596	710	610	683	628
Fetlar	44	38	40	40	n/a	n/a	n/a	n/a	n/a
Foula	364	344	304	320	496	522	466	488	536
Skerries	364	154	302	294	376	432	400	400	n/a
Whalsay	76	72	70	98	200	200	200	160	n/a

Source: Various local personnel. Some figures are estimates.

## Conservation

### Buildings of Special Architectural or Historic Interest

The Secretary of State for Scotland compiles lists of Buildings of Special Architectural or Historic Interest in order that such buildings may be identified and appropriate measures for their conservation can be taken. The list for Shetland contains an enormous variety of building types and styles from castles to croft-houses and is sub-divided into categories. Category A buildings are of national and international importance whilst those in Category C(s) are of more local interest, of lesser importance or altered. The greatest number of buildings on the list are Category B and are representative of many of Shetland's most notable periods, styles, architects and famous people. Any works to a listed building which would affect its character (including demolition) normally requires permission (known as "Listed Building Consent") for which an application is made to the the Council as Planning Authority. There are a wide range of planning powers and duties in respect of listed buildings which seek to conserve and enhance this fine built heritage.

### Scheduled Ancient Monuments

The Secretary of State maintains a schedule of ancient monuments of national importance and publishes a list of them from time to time. The list is for the whole of Scotland but arranged by local authority area. It is categorised according to type of monument. The only category not represented in Shetland is for Roman monuments but, as can be seen, the majority of scheduled ancient monuments are of prehistoric origin. There are a wide range of powers in respect of archaeological sites generally and scheduled ancient monuments in particular. The development planning and development control processes (exercised mainly by the Council) take account of archaeology generally, whilst works which would affect a scheduled ancient monument require the permission of the Secretary of State (Scheduled Monument Consent).

The List of Buildings of Special Architectural or Historic Interest for Shetland and the Schedule of Ancient Monuments in Scotland are held by the Director of Planning where they are open for public inspection by appointment.

### Buildings of Special Architectural or Historic Interest

Category A	8
Category B	82
Category C (s)	61
<b>Total</b>	<b>151</b>

### Ancient Monuments

There were 240 scheduled ancient monuments as at 1 January 1993 in the following categories:

Prehistoric ritual and funerary	63
Prehistoric domestic and defensive	145
Crosses and carved stones	1
Ecclesiastical	17
Secular	10
Industrial	4

Of these, 8 are in the care of the Secretary of State for Scotland.

## Nature Conservation

On 1st April, 1992, a new body, Scottish Natural Heritage, took over the roles of the Nature Conservancy Council for Scotland and the Countryside Commission for Scotland. Scottish Natural Heritage are responsible for the conservation of the natural environment and the landscape and are also concerned with recreational aspects of land use and access to the countryside.

### Statutory Conservation Sites in Shetland

#### 3 National Nature Reserves (NNR)

Hermaness (Seabird Colony)	980.3 ha.
Keen of Hamar (Serpentine Flora)	51.3 ha.
Noss (Seabird Colony)	313.0 ha.

#### 74 Sites of Special Scientific Interest (SSSI)

6 Freshwater	390.1 ha.	1 General Island Interest	209.8 ha.
8 Seabird Colonies	3,858.7 ha.	1 Peatland	165.2 ha.
6 Marsh or Meadow	211.5 ha.	1 Limestone Flora	81.8 ha.
4 Tree Sites or Plantations	62.2 ha.	4 Serpentine Heath	3,021.4 ha.
1 Upland	4,906.7 ha.	2 Tidal Flats/Saltmarsh	37.2 ha.
2 Beach/Sand Dune	201.3 ha.	29 Geological	715.6 ha.
3 Moorland Breeding Bird	1,546.1 ha.	5 Geomorphological	347.0 ha.
1 Maritime Heath	34.2 ha.		

Total area covered by statutory conservation sites is 15,789 hectares which represents 10.7 per cent of the total area of Shetland.

#### Approximate coverage of each island or island group as at March 1992:

Papa Stour — 3 sites	64%
Foula — 2 sites	100%
Fair Isle — 1 site	72%
Fetlar — 6 sites	72%
Bressay (Noss) — 1 site	11%
Unst — 15 sites	21%
Mainland and associated uninhabited islands — 41 sites	8%
Yell — 5 sites	1%

Scottish Natural Heritage has also identified 4 key areas of coastline as Marine Consultation Areas. This unofficial and non-statutory designation is aimed at highlighting the conservation importance of these varied examples of Shetland's inshore marine environment.







Shetland is of considerable importance at national and international level for several special of animals. Shetland's approximate proportion of the British population of several species is shown below.

Whimbrel (Peerie Whaup)	95%	Black Guillemot (Tystie)	30%
Great Skua (Bonxie)	76%	Shag (Scarf)	27%
Red-throated Diver (Raingoose)	50-70%	Gannet (Solan)	16%
Red-necked Phalarope	90%	Grey Seal	4%
Arctic Skua (Aalin)	61%	Common Seal	28%
Arctic Tern (Tirrick)	40%	Otter	12%
Fulmar (Maalie)	35%		

The Shetland population of Great Skua is the most significant in international terms with 43 per cent of the northern hemisphere's total.

SNH also has responsibility for the Shetland National Scenic Area (NSA) which covers 11,600 hectares of outstanding landscape value.

## STATUTORY SITES IN SHETLAND

-  Site of Special Scientific Interest more than 450 hectares
-  Site of Special Scientific Interest less than 450 hectares
-  National Nature Reserve more than 450 hectares
-  National Nature Reserve less than 450 hectares
-  National Scenic Area
-  Marine Consultation Area

### SHETLAND ISLANDS



 FOULA

 FAIR ISLE

## Leisure Facilities

### Leisure Centres — Usage to end of March each year

	1989/90	1990/91	1991/92	1993/94
Clickimin	150,195	150,919	160,411	165,716
Unst	54,314	53,333	52,541	48,300
Yell	40,420	38,411	38,649	37,569
Whalsay		69,147	58,820	55,935

Source: Shetland Recreational Trust Annual Reports 1989-93

### Swimming Pools

	1989/90	1990/91	1991/92	1992/93
Lerwick	129,576	133,107	133,249	134,376
North Mainland	45,736	46,794	43,551	39,089
Unst*	14,587	12,469	11,789	10,447
Yell*	11,109	6,635	8,393	7,300
Whalsay*		25,697	20,928	20,215

South Mainland — opened 7th March 1993

Scalloway — opened 4th April 1993

Walls — due for hand over March 1994

Source: Lerwick Swimming Pool and Shetland Recreational Trust.

\*Usage figures included in leisure centre totals.

### Community Halls and Community Centres

<b>North Isles</b>	Scalloway Youth Centre	<b>South Mainland</b>
North Unst (Haroldswick) Hall	Trondra Hall	Gulberwick Hall
Baltasound Hall — Unst	Burra (Hamnavoe) Hall	Quarff Hall
South Unst (Uyeasound) Hall	Bridge End Hall	Cunningsburgh Hall
Cullivoe Hall — Yell		Sandwick (Carnegie) Hall
Sellafrith Hall — Yell	<b>North Mainland</b>	Sandwick Youth and Community Centre
North-a-Voe Hall — Yell	North Roe and Lochend Hall	Bigton Hall
Herra Hall — Yell	North Roe and Lochend Central Hall	Levenwick Hall
Mid Yell Hall	Eshaness Community Centre	Dunrossness (Boddam) Hall
West Sandwick Hall — Yell	Ollaberry Hall	Virkie (Bruce Memorial) Hall
North Ness Hall — Yell	Hillswick Hall	Fair Isle Hall
Burravoe Hall — Yell	Mossbank Hall	
East Yell Hall	Mossbank Youth Centre	<b>Lerwick</b>
Fetlar Hall	Sullom and Gunnister Hall	North Staneyhill Hall
<b>West Mainland</b>	Brae Hall	Lerwick Town Hall
Sandness Hall	Lunnasting Hall	Islesburgh Youth and Community Centre
Aith Hall	Olnafirth Hall — Voe	Sound Hall
Bixter Hall	Symbister Hall — Whalsay	Bressay Hall
Walls Hall	Isbister Hall — Whalsay	
Germatwatt Youth Centre	Livester Youth Centre — Whalsay	
Gruting Community Centre		
Skeld Hall	Skerries Hall	
Whiteness and Weisdale Hall	North Nesting Hall	
Tingwall Hall	South Nesting Hall	
Scalloway Hall	Muckle Roe Hall	

## Social Provision & Services

### Cost of Living

Indices	June 1984	June 1986	June 1988	June 1989	June 1990	June 1991	June 1992	June 1993
Shetland: Lerwick	109.4	107.9	107.5	107.3	107.0	103.8	104.9	104.4
Remote	118.5	114.5	114.0	113.4	114.3	111.6	112.1	111.5
Village A	115.4	113.4	111.5	111.0	110.1	108.1	108.4	108.1
Village B	117.1	116.2	115.8	116.1	114.1	110.0	112.1	111.7
Village C	116.9	114.5	114.5	114.8	112.9	110.1	110.9	111.0
Rural Average	109.0	107.3	106.6	106.3	106.1	102.1	102.6	102.7
Aberdeen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Edinburgh	102.3	100.8	100.5	99.7	101.1	104.5	103.6	102.6

The indices are calculated from information collected on the price of food, housing, transport services and other goods in various locations in rural Scotland using Aberdeen as the basis for comparison. For reasons of confidentiality single shop communities are not identified.

### Housing

#### Housing Stock

	1981	1983	1987	1988	1989	1991	1992	1993	1994
Shetland Islands Council	2,655	2,610	2,648	2,621	2,566	2,566	2,580	2,579	2,561
Private and Others	5,507	5,840	6,018	6,299	n/a	6,300	6,438*	6,307	6,520
Scottish Homes	156	154	145	136	131	112	108	112	119
Hjaltland Housing Assoc.	n/a	n/a	n/a	n/a	n/a	178	174	170	168

\* Estimate

### Vehicle Ownership

#### Vehicles licensed in Shetland on 31st December

Type	1971	1981	1985	1989	1990	1991	1992
Private Cars and Light Goods	3,600	7,048	7,584	8,510	8,775	8,933	9,473
Goods Vehicles (inc. Agricultural)	440	801	372	359	319	310	307
Buses & Coaches	138	164	183	162	129	121	189
Motor Cycles	350	545	391	347	325	287	277
Miscellaneous	652	831	964	970	954	967	952
<b>Total</b>	<b>5,180</b>	<b>9,389</b>	<b>9,494</b>	<b>10,348</b>	<b>10,502</b>	<b>10,618</b>	<b>11,198</b>

1971 figures: Local Taxation Office.

1981 and onwards: Department of the Environment and Department of Transport.

A change in the taxation methods has meant that some light goods vehicles formerly licensed as 'Goods' are now licensed as 'Private'.

## Education and Training

### No. of Teachers in Shetland

	1971	1981	1990	1991	1992	1993	1994
Primary Teachers .....	91	164	140	140	158	164	172
Secondary Teachers .....	88	142	178	189	193	195	195
Further Education Lecturers .....	2	9	18	18	19	25	33
<b>Total</b> .....	<b>181</b>	<b>315</b>	<b>336</b>	<b>347</b>	<b>370</b>	<b>384</b>	<b>400</b>

### Nursery Education

	1981	1989	1990	1991	1992	1993	1994
Aith Junior High .....	0	0	0	0	0	14	12
Bell's Brae .....	0	0	0	64	79	80	80
Brae .....	51	65	71	60	60	53	60
Dunrossness .....	0	0	0	33	25	32	35
Happyhansel .....	0	0	0	0	0	9	18
Mossbank .....	0	0	0	23	24	18	28
Sandwick .....	0	0	0	38	31	26	30
Sound .....	60	60	60	60	60	61	60
Symbister House Junior High .....	0	0	0	0	0	0	26
Urafirth .....	0	0	0	0	0	0	10
<b>Total</b> .....	<b>111</b>	<b>125</b>	<b>131</b>	<b>278</b>	<b>279</b>	<b>293</b>	<b>359</b>

### Primary Education

#### Primary School Rolls as at January each year

	1971	1981	1990	1991	1992	1993	1994
Baltasound Junior High .....	103	106	79	85	68	70	71
Mid Yell Junior High .....	56	65	47	48	49	48	49
Brae Junior High .....	44	171	136	139	141	144	139
Symbister House Junior High .....	125	146	120	125	117	123	118
Aith Junior High .....	67	52	61	61	54	51	61
Scalloway Junior High .....	120	150	123	117	113	118	103
Sandwick Junior High .....	44	96	76	69	80	80	87
Haroldswick Primary .....	38	21	27	25	22	28	28
Uyeasound Primary .....	21	16	8	9	11	15	9
Cullivoe Primary .....	21	24	20	18	16	15	13
Burravoe Primary .....	38	36	30	32	34	30	28
Fetlar Primary .....	14	15	8	7	13	11	10
North Roe Primary .....	17	23	19	20	20	23	22
Ollaberry Primary .....	18	16	34	36	34	34	35
Urafirth Primary .....	26	37	33	29	20	24	23
Mossbank Primary .....	16	136	77	70	73	68	69
Olafirth Primary .....	19	46	40	31	35	37	38
Lunnasting Primary .....	20	38	22	21	25	26	24
South Nesting Primary .....	16	26	18	11	14	16	21
Skerries Primary .....	16	11	8	9	8	7	7
Sandness Primary .....	6	15	14	13	13	10	17

Table Contd.

### Primary Education (continued)

	1971	1981	1990	1991	1992	1993	1994
Foula Primary .....	4	7	6	4	3	4	5
Papa Stour Primary .....	0	5	2	4	2	3	1
Happyhansel Primary .....	43	48	58	57	54	54	52
Gruting Primary .....	12	9	0	0	0	0	0
Skeld Primary .....	13	36	11	14	11	12	20
Whiteness Primary .....	31	87	78	85	96	92	96
Burra Primary .....	16	0	0	0	0	0	0
Hamnavoe Primary .....	64	107	100	96	94	92	90
Gott Primary .....	41	52	54	50	43	34	40
Cunningsburgh Primary .....	56	57	51	50	60	57	53
Dunrossness Primary .....	123	209	152	146	156	144	151
Fair Isle Primary .....	3	11	10	8	7	5	3
Quarff Primary .....	17	23	23	15	14	10	11
Bressay Primary .....	24	20	29	28	24	23	26
Bell's Brae Primary .....	722	501	340	357	376	361	367
Sound Primary .....	0	292	358	354	360	352	334
<b>Total</b> .....	<b>2,014</b>	<b>2,710</b>	<b>2,272</b>	<b>2,243</b>	<b>2,260</b>	<b>2,221</b>	<b>2,221</b>

### Secondary Education

#### Secondary School Rolls as at January each year

	1971	1981	1990	1991	1992	1993	1994
Anderson High .....	571	915	863	878	903	953	990
Baltasound Junior High .....	36	75	29	33	33	51	62
Mid Yell Junior High .....	43	48	44	44	38	47	48
Brae Junior High .....	47	164	211	211	204	207	234
Symbister House Junior High .....	36	62	41	45	50	54	53
Aith Junior High .....	35	61	65	61	77	76	68
Scalloway Junior High .....	72	132	187	179	160	157	146
Sandwick Junior High .....	55	121	140	144	145	149	148
Skerries School .....	2	5	3	2	5	4	4
<b>Total</b> .....	<b>897</b>	<b>1,583</b>	<b>1,583</b>	<b>1,597</b>	<b>1,615</b>	<b>1,698</b>	<b>1,753</b>

### Further Education

#### Students Enrolled on Further Education Courses

	1976-77	1984-85	1988-89	1991-92	1992-93	1993-94
Full Time .....	0	25	99	73	100	210
Part Time .....	56	109	82	36	72	263
Evening Class .....	815	973	1,228	1,336	1,200	1,071
YT .....	0	0	69	101	108	102
<b>Total</b> .....	<b>871</b>	<b>1,107</b>	<b>1,478</b>	<b>1,550</b>	<b>1,480</b>	<b>1,646</b>

## North Atlantic Fisheries College

The North Atlantic Fisheries College is a £6 million industry-led establishment which was completed in May 1992. The College will provide training to all areas of the fisheries industry including courses in aquaculture, fish processing, fish catching, nautical studies and marine engineering, and at all levels from SCOTVEC to postgraduate projects.

The Development Department, on behalf of Shetland Islands Council, has managed the project through the design and construction stages to completion. The operation of the College is the responsibility of the Shetland Fisheries Training Centre Trust.

### Summary of Student Numbers January - December 1993

Deck Officer Fishing	13	First Aid Sea	95
Deck Officer Class 5 SVQ	14	Emergency First Aid	60
Basic Sea Survival	18	Vocational Aquaculture	16
Ferry Survival	136	Diving First Aid	8
Boatman's Licence	17	Fish Health	3
Nav. Control	9	Shellfish Farming	6
Radiotelephony	46	Accounts Workshop	7
Efficient Deckhand	9	Environmental Considerations	3
Command Endorsement	2	Aquaculture Science	1
Powerboat	22	Farming Other Species	4
Ferry Master	25	Elementary Hygiene	114
Engineer Officer	26	Intermediate Hygiene	12
Forklift Truck	27	Computer Awareness	6
First Aid Basic	59	Intro to MS DOS	7

**Total student enrolments** ..... 765

## Social Work

The following are part of the services provided by Shetland Islands Council Social Work Department.

	1984-85	1990-91	1992-93	1993-94
No. of Eventide Home Beds*	60	70	67	75
No. of beds in Hostel for Mentally Handicapped	6	16	16	16
No. of beds in Children's Home	10	10	11	9
No. of beds for Mentally/Physically Handicapped Children — Respite Care	0	0	6	6
No. of Sheltered Housing Schemes	36	37	39	39
No. of Sheltered Houses	257	288	300	300
No. of Laundries	4	6	6	6
No. of Meals on Wheels Schemes	25	25	25	24
No. of Luncheon Clubs	3	3	3	2
No. of Meals Delivered	45,107	54,800	56,000	46,744
No. of Home Helps	320	315	336	258
No. of Home Help Clients	584	576	652	524
No. of Homes Connected to Community Alarm System	0	482	583	549

\* The Department also registers the Walter and Joan Gray Eventide Home in Scalloway (Church of Scotland) which has a capacity of 16 beds.

The Shetland Welfare Trust currently operates three centres in Whalsay, Brae and Walls, which offer 10 bed spaces, 15 bed spaces and 15 bed spaces respectively, and 5 day care places, 10 day care places and 10 day care places respectively. The fourth and final centre in Levenwick will hopefully be in operation at the beginning of 1995 with 15 bed spaces and 10 day care places available.

## Coastguard Services

HM Coastguard is run by the Department of Transport. Shetland Coastguard Maritime Rescue Sub Centre (MRSC) located at the Knab in Lerwick is manned 24-hours by a team of three Coastguard Officers assisted by an operations room auxiliary Coastguard. Auxiliary Coastguard Rescue Companies (CRCs) are located at various points around the Shetland coast. A Sikorsky S61N helicopter based at Sumburgh is under contract to HM Coastguard and available 24 hours a day.

### Incidents Co-ordinated by Shetland Coastguard

1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
64	76	62	94	91	82	88	104	115	114

### Statistics for 1993

Persons assisted	550
Persons rescued	375
Lives lost/bodies recovered	4
MEDEVACS/MEDICOS	28
Vessels taking water or sinking	7
Vessels requiring tow or escort	25
Cliff incidents	2
Miscellaneous incidents	11
Coastguard helicopter R117 scrambled by Shetland Coastguard	47
Coastguard Auxiliaries called out	49
Lerwick lifeboat launched on service	24
Aith lifeboat launched on service	5

### Coastguard Helicopter (Sumburgh) Missions carried out

1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
1	40	39	37	61	64	59	84	58	72	88

### Mission Statistics for 1993

MEDEVACS	27
Vessels sinking	8
Vessels aground or adrift	6
Vessels afire or missing	4
Man overboard	4
Assistance to oil installations	20
Missing persons	4
Diving casualties	2
Pleasure craft	6
Aircraft	4
Flares	0
Emergency transmissions	3

## Crime

The Shetland Sub-Division of the Northern Constabulary is run by the Northern Joint Police Committee, administered by Highland Regional Council. The 1993/94 requisition from the Shetland Islands Council was £1,001,800.

### Number of Police Stations in Shetland 1993

Single Officer Police Stations: 3 (Baltasound, Mid Yell & Whalsay)  
Two Officer Police Stations: 2 (Scalloway & Dunrossness)  
Section Stations under Sergeant-in-Charge: 1 (Brae)  
Shetland Command Area Headquarters: 1 (Lerwick)

### Police Manpower

	1971	1976	1981	1984	1986	1987	1988	1989	1990	1991	1992	1993
	21	28	45	36	36	35	34	35	35	36	36	37

### Number of Crimes and Offences reported to the police

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Group 1	18	24	19	24	17	20	32	19	21	20	9
Group 2	1	9	15	2	4	10	20	22	3	3	8
Group 3	306	376	346	345	319	257	302	343	279	220	321
Group 4	171	147	177	133	173	190	249	196	199	171	209
Group 5	44	77	75	71	45	67	83	86	53	60	163
Group 6	311	403	323	286	342	371	371	410	322	295	316
Group 7	743	965	773	926	866	987	1,152	1,436	1,278	856	899
<b>Total</b>	<b>1,594</b>	<b>2,001</b>	<b>1,728</b>	<b>1,787</b>	<b>1,766</b>	<b>1,902</b>	<b>2,209</b>	<b>2,512</b>	<b>2,155</b>	<b>1,625</b>	<b>1,925</b>

Group 1: Non-sexual crimes against the person  
Group 2: Crimes involving indecency  
Group 3: Crimes involving dishonesty  
Group 4: Fire-raising, malicious and reckless conduct  
Group 5: Other crimes  
Group 6: Miscellaneous  
Group 7: Offences relating to motor vehicles

In 1993 the Northern Constabulary Shetland Command Area achieved a crime detection rate of 87.3% compared with 85.9% in 1992.

The detection rate in respect of crimes as detailed in groups 1-5 above was 65.6% in 1993.

## Fire Service

The Fire Service in Shetland is run by the Highlands and Islands Fire Board, administered by Highland Regional Council. The 1993/94 requisition from Shetland Islands Council was £654,933.80.

### Number of Fire Units in Shetland, 1993

Location	Establishment	Appliances
<b>Retained:</b>		
Lerwick	20 + 2 full-time officers	2 Water Tender Ladders 1 Light Fire Appliance
Brae	16	2 Water Tender Ladders
<b>Volunteer:</b>		
Mid Yell, Sumburgh, Sandwick, Walls, Mossbank, Scalloway, Baltasound, Whalsay and Hillswick	10 per unit	1 Light Fire Appliance for each unit
Bixter, Bressay, Fair Isle, Fetlar, Hamnavoe, Skerries, Foula and Papa Stour	10 per unit	1 Portable Pump, Hose and Ancillary Equipment
<b>Total Retained and Volunteers</b>	<b>208</b>	

### Number of fires attended

	1981	1985	1988	1990	1991	1992	1993
Chimney fires	24	64	59	51	66	51	68
Special Services (pumping out boats, properties, etc., road traffic accidents)	17	7	30	39	40	23	34
Property and small fires	54	48	60	41	54	62	35
False alarms, good intent	6	23	35	32	42	66	42
False alarms, malicious	2	0	6	10	3	4	9
<b>Total</b>	<b>103</b>	<b>142</b>	<b>190</b>	<b>173</b>	<b>205</b>	<b>206</b>	<b>188</b>

## Postal Services

### Employees, Post Office

	1990		1992		1993	
	Royal Mail Delivery	PO Counter Ltd	Royal Mail Delivery	PO Counter Ltd	Royal Mail Delivery	PO Counter Ltd
Full Time Staff	45	8	41	6	41	6
Part Time Staff	21	—	26	2	26	2
Sub Postmasters	—	(FT) 30 (PT) 23	—	(FT) 26 (PT) 26	—	(FT) 25 (PT) 23
Ancillary Staff	9	—	6	—	5	—
<b>Total</b>	<b>75</b>	<b>61</b>	<b>73</b>	<b>60</b>	<b>72</b>	<b>56</b>

## No. of Letters Posted Weekly

1972	1977	1981	1986	1987	1989	1990	1992	1993
49,866	52,602	69,400	56,000	69,271	65,582	64,095	67,542	68,200

## No. of Television Licences

1985	1986	1987	1988	1989	1990	1991
6,228	6,480	6,774	6,800	6,852	6,929	7,013

## Energy

### Hydro-Electric Electricity Consumption Breakdown into Categories

	1971	1981	1985	1987	1988	1989
Domestic			9,941	9,975	10,130	10,278
Farms			55	67	79	87
Industrial			1	1	1	2
Construction			4	15	6	17
Other Commercial			880	899	898	898
Miscellaneous			12	47	50	76
<b>Total</b>	<b>7,169</b>	<b>10,211</b>	<b>10,893</b>	<b>11,004</b>	<b>11,164</b>	<b>11,358</b>

Megawatts

Breakdown of consumers in current categories available from 1985 to 1989 only.

### Hydro-Electric Electricity Generation

	1971-72	1989-90	1991-1992	1992-93	1993-94
Units Generated (kilowatt hours)	32,319,000	177,551,775	170,023,850	190,675,000	194,992,000
Maximum demand (megawatts)	11.69	36.1	41.2	40.3	39.5

Source: Lerwick Generating Station

### Hydro-Electric Distribution (all figures: distance in kilometres)

	1981	1989	1990*	1991	1992	1993
33,000 Volt overhead lines	98.0	128.3	128.3	128.3	128.3	133.0
33,000 Volt underground cables	3.7	11.6	11.6	11.6	11.6	11.6
11,000 Volt overhead lines	756.2	825.2	833.4	843.0	849.0	858.0
11,000 Volt underground cables	65.5	96.1	97.8	99.3	101.7	103.8
Low Voltage overhead lines	345.6	330.1	326.5	324.5	318.7	313.6
Low Voltage underground cables	65.6	116.1	119.7	122.7	132.9	139.8

\* Figures from 1990 onwards are approximations only.

## Electoral Statistics

### General Election results in the Orkney and Shetland Parliamentary Constituency

JUNE 1987		APRIL 1992	
James Wallace (Lib/Alliance) . . . . .	8,881	James Wallace (Lib Dem) . . . . .	9,575
Richard Jenkins (Con) . . . . .	4,959	Paul McCormick (Con) . . . . .	4,542
John Aberdein (Lab) . . . . .	3,995	John Aberdein (Lab) . . . . .	4,093
John Goodlad (O & S Movements)* . . . . .	3,095	Frances McKie (SNP) . . . . .	2,301
Grierson Collister (Green) . . . . .	389	Christian Wharton (Natural Law) . . . . .	115
Majority . . . . .	3,922	Majority . . . . .	5,033
Electorate: 31,047		Electorate: 31,472	
(Shetland: (16,357; Orkney: 14,690)		(Shetland: (16,235; Orkney: 15,237)	
* Orkney & Shetland Movements			

### European Assembly Election results in the Highlands and Islands Constituency:

JUNE 1984		JUNE 1989	
Winifred Ewing (SNP) . . . . .	49,410	Winifred Ewing (SNP) . . . . .	66,297
Russell Johnston (Lib/Alliance) . . . . .	33,133	Albert McQuarrie (Con) . . . . .	21,602
David Webster (Con) . . . . .	18,847	Norman MacAskill (Lab) . . . . .	17,848
Jack MacArthur (Lab) . . . . .	16,644	Michael Gregson (Green) . . . . .	12,199
SNP Majority . . . . .	16,277	Neil Mitchison (Lib Dem) . . . . .	10,644
		SNP Majority . . . . .	44,695
Total Electorate: 310,508 (Shetland: 16,057)		Total Electorate: 317,125 (Shetland: 16,088)	

### MARCH 1979

Referendum: Do you want the provisions of the Scotland Act 1978 to be put into effect?

No . . . . .	5,466
Yes . . . . .	2,020
Total Electorate (Shetland): 14,882	

### MARCH 1978

Referendum: In view of the proposals for devolution for Scotland, do you agree that the Shetland Islands Council should continue to press for Shetland's position to be considered through the establishment of a commission as proposed by Mr Grimond?

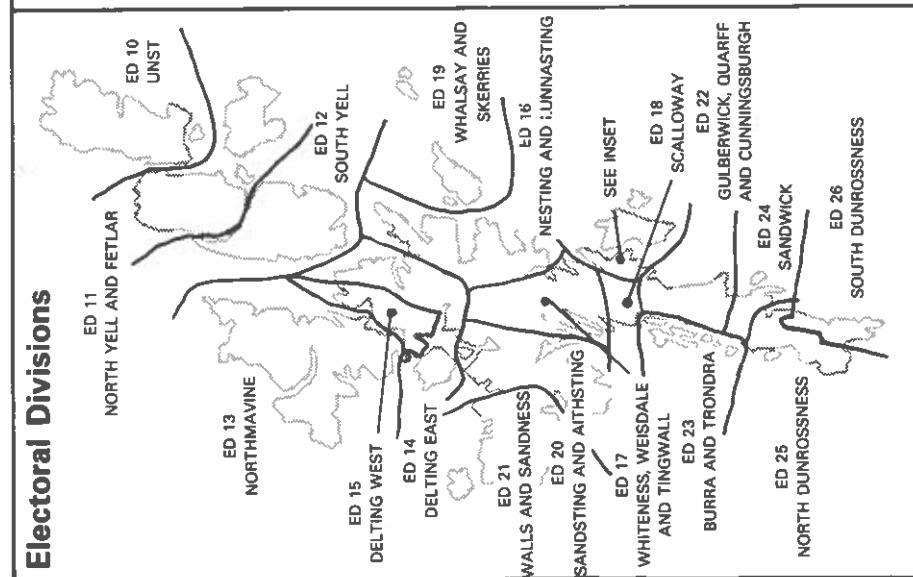
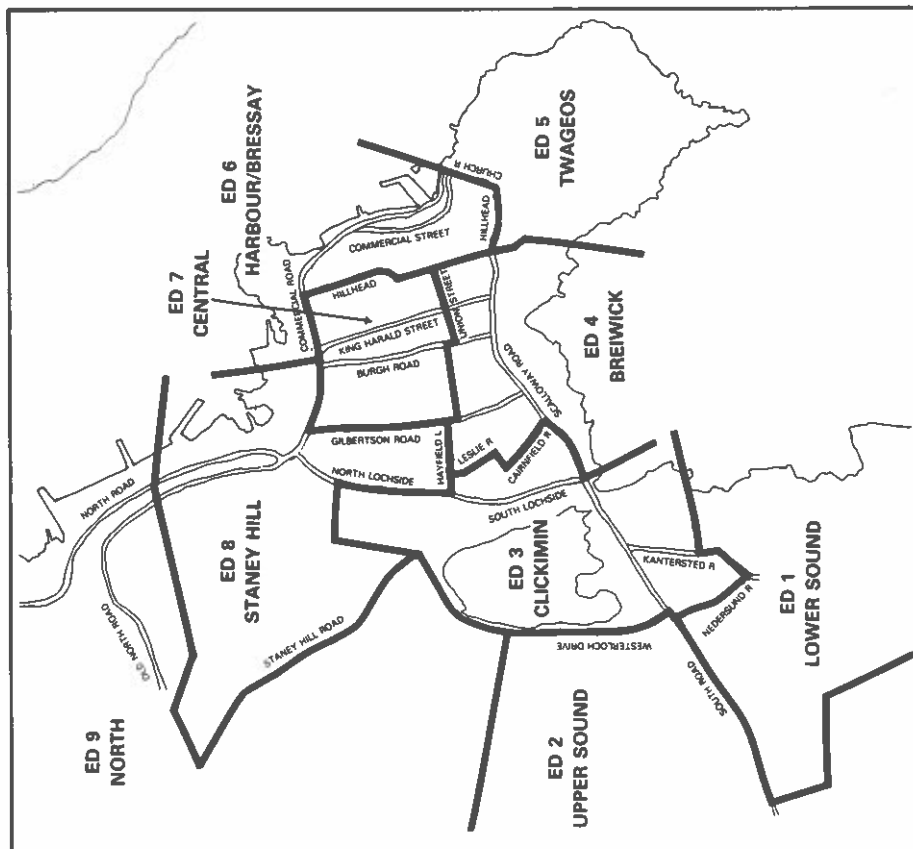
Yes . . . . .	9,162
No . . . . .	1,028
Majority . . . . .	8,134
Total Electorate (Shetland): 14,244	

### JUNE 1975

Referendum: Do you think the UK should stay in the European Economic Community (the Common Market)?

No . . . . .	3,631
Yes . . . . .	2,815
Majority . . . . .	816
Total Electorate (Shetland): 13,437	





# Shetland Islands Council

## Members (May 1994 to May 1999)

Ward	Councillor
1. Lerwick Lower Sound	<b>Peter Malcolmson</b> , Skersund, Upper Sound, Lerwick. (Liberal Democrat) (Electorate 644. Elected unopposed)
2. Lerwick Upper Sound	<b>Robert L. Johnson</b> , 11 Andrewston Brae, Lerwick. (Shetland Movement) (Electorate 650. Elected unopposed)
3. Lerwick Clickimin	<b>William N. Stove</b> , 1 Lovers Loan, Lerwick. (Shetland Movement) (Electorate 655. Elected unopposed)
4. Lerwick Breiwick	<b>Cecil B. Eunson</b> , 68 Breiwick Road, Lerwick. (Electorate 645. Returned unopposed)
5. Lerwick Twageos	<b>Lewis S. Smith</b> , 1 Greenrig, Lerwick. (Electorate 614. 256 votes; 58% poll; 72% of total votes cast)
6. Lerwick Harbour and Bressay	<b>Tavish H. Scott</b> , Gardie Cottage, Bressay. (Liberal Democrat) (Electorate 708. 221 votes; 59% poll; 53% of total votes cast)
7. Lerwick Central	<b>William A. Smith</b> , 14 Bruce Crescent, Lerwick. (Labour) (Electorate 717. 216 votes; 40% poll; 76% of total votes cast)
8. Lerwick Staney Hill	<b>Lindsay S. Smith</b> , 17 Kantersted Road, Lerwick. (Independent) (Electorate 609. Elected unopposed)
9. Lerwick North	<b>Leonard G. Groat</b> , 10 Voder View, Lerwick. (Independent Labour) (Electorate 598. Returned unopposed)
10. Unst	<b>Joan W. Easten</b> , 27 Hamarsgarth, Mossbank. (Shetland Movement) (Electorate 610. Returned unopposed)
11. Yell North & Fetlar	<b>Brian P. Gregson</b> , The Old Manse, West Sandwick, Yell. (Electorate 319. 165 votes; 83% poll; 62% of total votes cast)
12. Yell South	<b>Peter N. Guy</b> , The Old Manse, Burravoe, Yell. (Shetland Movement) (Electorate 566. Returned unopposed)
13. Northmavine	<b>William H. Manson</b> , Mangaster, Sullom. (Electorate 580. Returned unopposed)
14. Delting East	<b>Mary U. Colligan</b> , Vendaal, Voe. (Electorate 704; Returned Unopposed)
15. Delting West	<b>William A. Ratter</b> , Hillhead, Ollaberry. (Electorate 689. 220 votes; 54% poll; 60% of total votes cast)
16. Nesting & Lunnasting	<b>Greta M. McElvogue</b> , North House, Sweening, Vidlin. (Electorate 412. Returned unopposed)

Ward	Councillor
17. Whiteness, Weisdale & Tingwall	Jonathan W. G. Wills, Sundside, Bressay. (Independent) (Electorate 869. Returned unopposed)
18. Scalloway	Iris J. Hawkins, 48 Sycamore Avenue, Scalloway. (Electorate 850. 241 votes; 56% poll; 50% of total votes cast)
19. Whalsay & Skerries	Loretta Hutchison, Mill House, Hillhead, Symbister, Whalsay. (Electorate 841. Elected unopposed)
20. Sandsting & Aithsting	Florence B. Grains, Hoove, Whiteness. (Independent) (Electorate 647. Returned unopposed)
21. Walls & Sandness	James R. Gear, Magdala, Foula. (Independent) (Electorate 534. 189 votes; 60% poll; 59% of total votes cast)
22. Gulberwick, Quarff & Cunningsburgh	Robert I. Black, Melview, Bressay. (Electorate 784. 354 votes; 74% poll; 61% of total votes cast)
23. Burra & Trondra	Charles A. Goodlad, Cutts, Trondra. (Independent) Electorate 732. Elected unopposed)
24. Sandwick	James L. B. Smith, Bakkabrent, Sandwick. (Shetland Movement) (Electorate 587. Returned unopposed)
25. Dunrossness North	William Tait, Bonavista, East Ireland, Bigton. (Electorate 574. 241 votes; 51% poll; 83% of total votes cast)
26. Dunrossness South	Magnus L. Flaws, Westvoe, Virkie. (Shetland Movement) (Electorate 603. 258 votes; 52% poll; 82% of total votes cast)

Source: SIC Administration Services Division

## Departments

Chief Executive: Malcolm Green, Town Hall, Lerwick, ZE1 0HB.

Department	Director	Address
Commercial Services	Deborah Lamb	Gremista, Lerwick, ZE1 0PX
Design & Technical Services	Alastair Inkster	Hayfield House, Hayfield Lane, Lerwick, ZE1 0QD
Development	Alvin Bashforth	93 St Olaf Street, Lerwick, ZE1 0ES
Education	Jim Halcrow	Brentham House, 21 Harbour Street, Lerwick, ZE1 0JR
Environmental Services	Martin R. Hall	Greenhead, Lerwick, ZE1 0PY Consumer Advice Office, 3 Commercial Road, Lerwick, ZE1 0LX

Department	Director	Address
Finance	Andrew Matthews	Breiwick House, Lerwick, ZE1 0RB Market Street, Lerwick
Housing	Marjorie Bain	Fort Road, Lerwick, ZE1 0LR
Leisure & Recreation	John P. Nicolson	Dales Voe, Lerwick
Marine Operations	George Sutherland	Port Administration Buildings, Sella Ness, Sullom Voe, ZE2 9QR
Planning	James A. Anderson	5 Mounthooly Street, Lerwick, ZE1 0BJ Dales Voe, Lerwick Building Control Office, Hayfield House, Hayfield Lane, Lerwick, ZE1 0QD
Roads & Transport	Joe Gray	Grantfield, Lerwick, ZE1 0NT
Social Work	Bill Bennett	92 St Olaf Street, Lerwick, ZE1 0ES Schlumberger, Gremista Industrial Estate, Lerwick, ZE1 0PX North Division, Brae, ZE2 9QJ

Telephone: General enquiries Lerwick (0595) 3535.

## Shetland Islands Council Finance

### General Fund Expenditure 1993/94 - 1994/5

Service Provided By The Shetland Islands Council	Net Revenue Expend. £'000	Capital Expend. £'000	Total Net Expend. 1993/94 £'000	Net Revenue Expend. £'000	Capital Expend. £'000	Total Net Expend. 1994/95 £'000
Education	24,420	4,692	29,112	22,319	3,993	26,312
Police & Fire	1,870	0	1,870	1,620	9	1,629
Roads & Lighting	8,060	6,079	14,139	4,913	4,173	9,086
Ferries & Other Transport	5,620	2,330	7,950	7,794	327	8,121
Social Work	6,090	187	6,277	6,210	1,031	7,241
Housing (Other) Costs	2,750	1,401	4,151	709	1,617	2,326
Leisure & Recreation	5,150	716	5,866	3,884	596	4,480
Cleansing	1,110	59	1,169	812	82	894
Libraries & Museums	1,740	218	1,958	867	110	977
Planning & Development	6,080	2,788	8,868	2,889	1,163	4,052
Other Services	(47,188)	9,538	(37,650)	(21,166)	2,730	(18,436)
<b>Total</b>	<b>15,702</b>	<b>28,008</b>	<b>43,710</b>	<b>30,852</b>	<b>15,831</b>	<b>46,683</b>

#### Source of Finance:

Non-Domestic Rates	5,230	4,912
Revenue Support Grant	36,220	40,098
Council Tax	2,260	1,673
<b>Total</b>	<b>43,710</b>	<b>46,683</b>

## General Fund Expenditure 1993/94 - 1994/5 (continued)

	Net Revenue Expend. £'000	Capital Charges 1993/94 £'000	Total Net Expend. 1993/94 £'000	Net Revenue Expend. £'000	Capital Charges 1994/95 £'000	Total Net Expend. 1994/95 £'000
<b>HARBOUR ACCOUNTS</b>						
Harbour Operations	15,131	4,696	19,827	14,467	1,532	15,999
<b>Source of Finance:</b>						
Grants & Reimbursements			3			482
Client Income			12,526			11,679
Financing and Contributions			7,298			3,839
<b>Total</b>			<b>19,827</b>			<b>15,999</b>
<b>HOUSING REVENUE ACCOUNT</b>						
Housing Services	4,669	5,520	10,189	4,177	5,535	9,713
<b>Source of Finance:</b>						
Grants & Reimbursements			4,255			3,804
Rents			4,152			4,317
Other Client Income			117			63
Financing and Contributions			1,665			1,529
<b>Total</b>			<b>10,189</b>			<b>9,713</b>
<b>SEWERAGE ACCOUNT</b>						
Sewerage Services	436	1,664	2,100	533	1,912	2,444
<b>Source of Finance:</b>						
Grants & Reimbursements			263			143
Rates			617			662
Council Tax			453			477
Client Income			5			9
Financing and Contributions			59			2
Balance Carried Forward			703			1,152
<b>Total</b>			<b>2,100</b>			<b>2,444</b>
<b>WATER ACCOUNT</b>						
Water Services	1,619	523	2,142	1,516	966	2,482
<b>Source of Finance:</b>						
Grants & Reimbursements			177			171
Rates			485			497
Council Tax			804			732
Client Income			746			772
Financing and Contributions			71			1
Balance Carried Forward			(141)			309
<b>Total</b>			<b>2,142</b>			<b>2,482</b>

## Rating and Valuation

	Non-Domestic	Rate per £ Domestic	Water	Total Non-Domestic R/V	Total Rateable Value £
1976-1977	140p	113p	20p		463,641
1977-1978	161p	130p	25p		584,996
1978-1979*	45p	42p	10p		6,234,214
1979-1980	50p	47p	11p	Not available	15,529,780
1980-1981	75p	72p	14p	prior to	25,311,238
1981-1982	79p	76p	10p	1985-86	31,129,489
1982-1983	95p	92p	10p		32,476,067
1983-1984	111p	108p	11.5p		25,990,632
1984-1985	123p	120p	6p		25,751,883
1985-1986*	58p	50p	3.5p	62,870,356	65,925,451
1986-1987	59p	52p	3.5p	63,333,199	66,465,033
1987-1988	59p	52p	3p	63,048,562	66,248,965
1988-1989	108p	101p	7.5p	62,728,990	66,006,192
1989-1990	Introduction of Community Charge - see table below				

\* Revaluation: 1st April 1978 and 1985

	1993/94 Pence per £	1994/95 Pence per £
<b>Non-Domestic Rates</b>		
General	41.6	42.3
Water	11.1	10.5
Sewerage	9	9.2
<b>Total</b>	<b>61.7</b>	<b>62</b>
<b>Total Non-Domestic R/V (£)</b>	<b>42,319,690</b>	<b>42,642,887</b>
<b>Council Tax (Band D Charges)</b>		
General	(£) 331.58	(£) 341.52
Sewerage	66.34	68.33
Water	106.05	116.34
<b>Total</b>	<b>503.97</b>	<b>526.19</b>

## Council Tax 1994/95

Band	Property Value	General Fund Element (£)	Water Account Element (£)	Sewerage Account Element (£)	Total Council Tax (£)
A	Up to £27,000	227.68	77.56	45.55	350.79
B	£27,001 to £35,000	265.63	90.49	53.14	409.26
C	£35,001 to £45,000	303.58	103.41	60.74	467.73
D	£45,001 to £58,000	341.52	116.34	68.33	526.19
E	£58,001 to £80,000	417.42	142.19	83.51	643.12
F	£80,001 to £106,000	493.31	168.05	98.70	760.06
G	£106,001 to £212,000	569.21	193.90	113.88	876.99
H	Over £212,001	683.05	232.68	136.65	1052.38

## Community Council Clerks

<b>Aithsting &amp; Sandsting</b>	Mrs Laurena Fraser, West Burrafirth, Bridge of Walls	71 203
<b>Bressay</b>	W. C. Christie, 11 Fullaburn, Bressay	82 244
<b>Delting</b>	Mrs Wendy Wilson, 5 Clach-na-strom, Whiteness	72 411
<b>Burra &amp; Trondra</b>	Mrs Denise Black, 9 North Toogs, Bridge-End, Burra	85 469
<b>Dunrossness</b>	Ian Jamieson, Linksvie, Ringesta, Quendale	60477
<b>Fetlar</b>	Ms Jane Mack, Fetlar Community Office, Fetlar	095783 219 (Fax 095783 219)
<b>Gulberwick, Quarff &amp; Cunningsburgh</b>	Robert Jarmson, Meal, Cunningsburgh	93 259
<b>Lerwick</b>	Mrs E. Nicolson, Community Council Office, Stouts Court, Lerwick	4286
<b>Nesting &amp; Lunnasting</b>	Mrs M. Stonehouse, Kirkabister, Vidlin	Home 917 283 Bus. 9122 370
<b>Northmavine</b>	Mrs E. Manson, Murrion, Eshaness	9123 255
<b>Sandness &amp; Walls</b>	Mrs Laurena Fraser, West Burrafirth, Bridge of Walls	71 203
<b>Sandwick</b>	Mrs Rosemary Inkster, Wainui, Hoswick, Sandwick	95 284
<b>Scalloway</b>	Mrs Cheryl Jones, 16 Port Arthur, Scalloway	88 516
<b>Unst</b>	Mrs Jean Ritch, Janefield, Baltasound, Unst	095 781 465
<b>Whalsay &amp; Skerries</b>	Mrs Hazel Simpson, Old Haa, Symbister, Whalsay	916 224
<b>Whitness, Weisdale and Tingwall</b>	Mrs Thelma Jamieson, Varhjem, Upper Strand, Gott	84 489
<b>Yell</b>	D. R. A. Rushton, Stonganess, Cullivoe, Yell	095 784 234

Source: SIC Administration Services Division

## Bibliography

Literature about Shetland is varied and the following is representative of currently available material. It makes no claim to be an exhaustive list. Books, and further information on the latest publications, are available from: The Shetland Times Bookshop, 71/79 Commercial Street, Lerwick, Shetland, ZE1 0AB. Tel: (0595) 5531. Fax: (0595) 2897.

### General Interest

	£	
Baxter, C. & Crumley, J.	Shetland Land of the Ocean	25.00
Dey, J.	Out Skerries — an Island Community	14.50
Dif G.	Shetland — Terre De Vent	35.00
Finnie, M.	Shetland, An Illustrated Architectural Guide	6.00
Gear, S.	Foula, Island West of the Sun	10.95
Jardine, B.	Tales of Sullom Woe	5.50
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### Economy & History

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### Folklore, Language and Music

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Graham, John J.	Shetland Dictionary	9.95
Jamieson, F. & R.	Leveneep Head	6.00
Jamieson, F. & R.	Vidlin Voe	7.50
Robertson, T. A. & Graham, J.	Grammar and Usage of the Shetland Dialect	6.95
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### Knitting

Allen, John	Fabulous Fair Isle	16.00
Amedro, Gladys	Shetland Lace	15.95
Dawson, P.	Traditional Island Knitting	8.95
McGregor, S.	The Complete Book of Traditional Fair Isle Knitting	4.99
National Trust for Scotland	Traditional Fair Isle Knitting Patterns	1.50
Simmons, J.	A Shetland Dye Book	4.50
Smith, M. & Bunyan, C.	A Shetland Knitter's Notebook	6.95
Smith, M. & Twatt, M.	Shetland Pattern Book	4.95

### Books For Children

Fidler, K.	Haki the Shetland Pony	2.99
Leask, W.	Bess, Tales of a Middle Aged Sheepdog	1.80
Whittall, M.	My Travels in Shetland	4.99
Wills, J.	Magnus Pole	2.50

### Local Information

Jamieson, H.	Harry's Shetland Fishing Almanac 1993	3.20
SIC (Leisure & Recreation)	Shetland Community Directory	2.50
Shetland Islands Tourism	The Shetland Guide Book	3.50
Shetland Islands Tourism	Where To Stay In Shetland	0.50
Shetland Islands Tourism	Inter-Shetland Transport Timetable	0.50

### Maps

Bartholomew Shetland Leisure Map 1:100,000	2.95
Tourist Map Shetland and Orkney	2.95
Lerwick Street Plan Lerwick Community Council	1.50
Hjaltland Map by Roy Gronneberg	4.99
Also Ordnance Survey Maps 1:25,000 (£3.95) and 1:50,000 (£4.25)	

### Shetland Economic Review 1993

This report is available from the Development Department, Shetland Islands Council, 93 St Olaf Street, Lerwick, Shetland, ZE1 0ES, at a cost of £3.00 (£3.75 including postage and packing).

# Conversion Factors

To convert to metric, multiply by the factor shown. To convert from metric, divide by the factor.

## Length

miles : kilometres .....	1.6093
yards : metres .....	0.9144
feet : metres .....	0.3048
inches : millimetres .....	25.4
inches : centimetres .....	2.54

## Area

square miles : square kilometres .....	2.59
square miles : hectares .....	258.999
acres : square metres .....	4046.86
acres : hectares .....	0.4047
square yards : square metres .....	0.8361
square feet : square centimetres .....	929.03
square inches : square millimetres .....	645.16
square inches : centimetres .....	6.4516

## Volume

cubic yards : cubic metres .....	0.7646
cubic feet : cubic metres .....	0.0283
cubic feet : cubic decimetres .....	28.3168
cubic inches : cubic centimetres .....	16.3871

## Capacity

gallons : cubic decimetres .....	4.5461
gallons : litres .....	4.546
quarts : litres .....	1.137
pints : litres .....	0.568

## Velocity

miles per hour : kilometres per hour .....	1.6093
feet per second : metres per second .....	0.3048
inches per second : millimetres per second .....	25.4

## Mass

tons : kilograms .....	1016.05
tons : tonnes .....	1.0160
hundredweights : kilograms .....	50.8023
stones : kilograms .....	6.3503
pounds : kilograms .....	0.4536
ounces : grams .....	28.3495

## Temperature

F = Degrees Fahrenheit	C = Degrees Centigrade
Centigrade : Fahrenheit	$F = \frac{8C}{5} + 32$
Fahrenheit : Centigrade	$C = \frac{5(F - 32)}{9}$