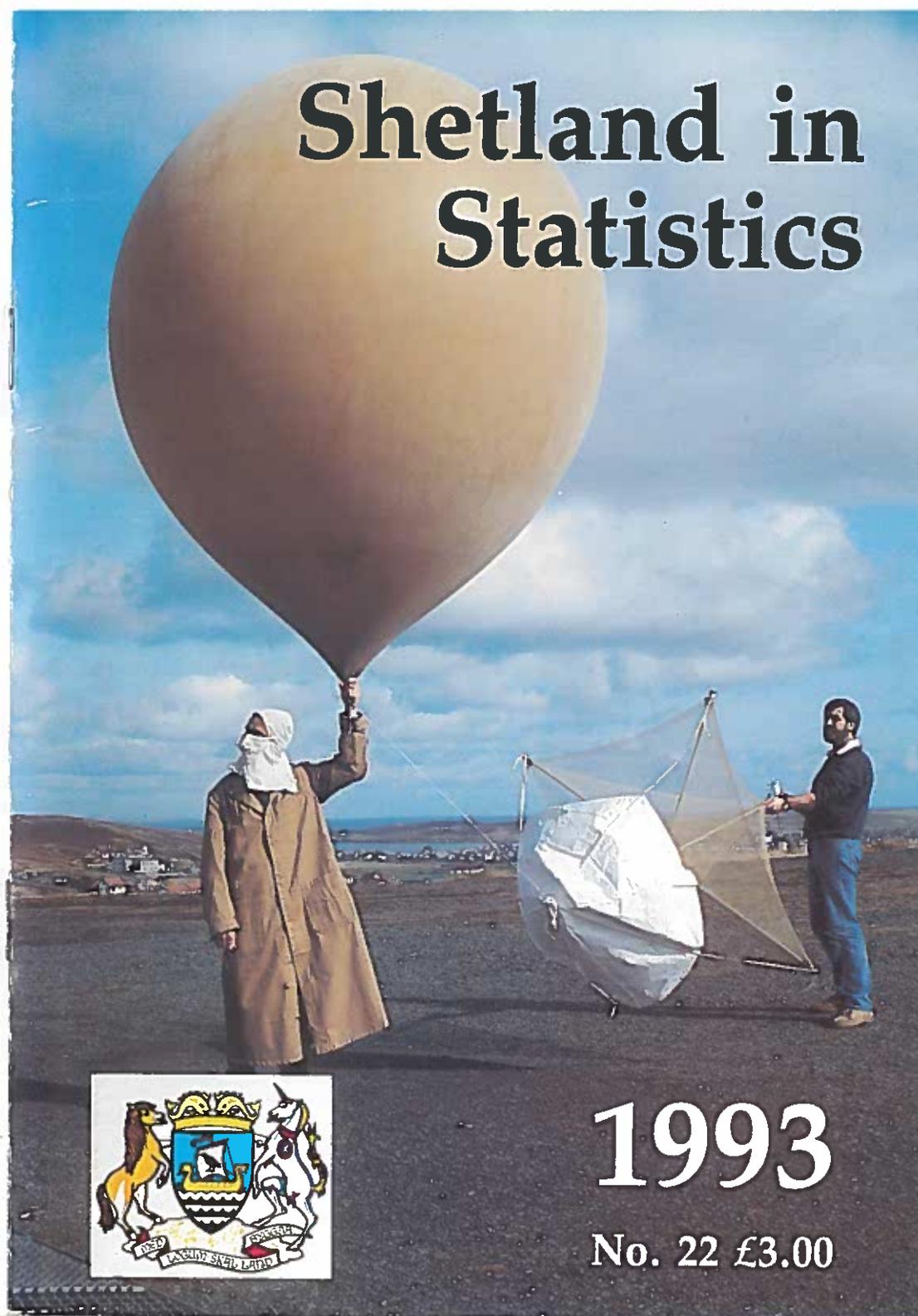


Map supplied by Shetland Islands Tourism

# Shetland in Statistics



# 1993

No. 22 £3.00

# Shetland in Statistics

## Introduction

The need to have accurate up to date statistics is one that is becoming increasingly important in an information driven world. The aim of this booklet is to satisfy this need, as far as it goes, in relation to Shetland. That it could be longer is undeniable, but as in all things it is important to include only the most relevant pieces of information. That it could be shorter is also true although the depth of coverage would suffer as a result. The result is hopefully a publication containing most of the useful statistics in as accurate a manner as possible.

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 Releasing a weather balloon at the Lerwick Meteorological Station.  
 Photograph by Dennis Coutts.

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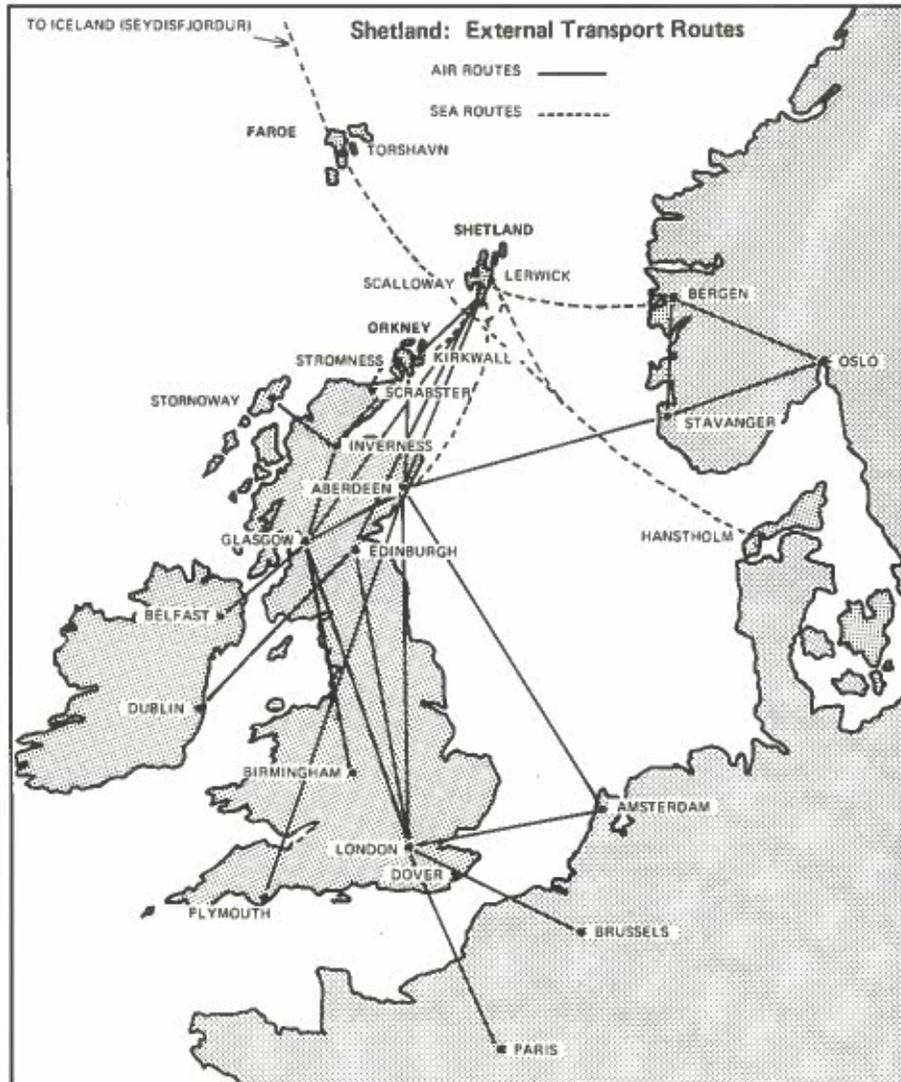
All SIC Departments supplying information.

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## Shetland: Location

Lerwick is Lat 60° 9' N  
Lon 1° 9' W



## Shetland: Physical Characteristics

Distance by road in kilometres (miles) from Lerwick.

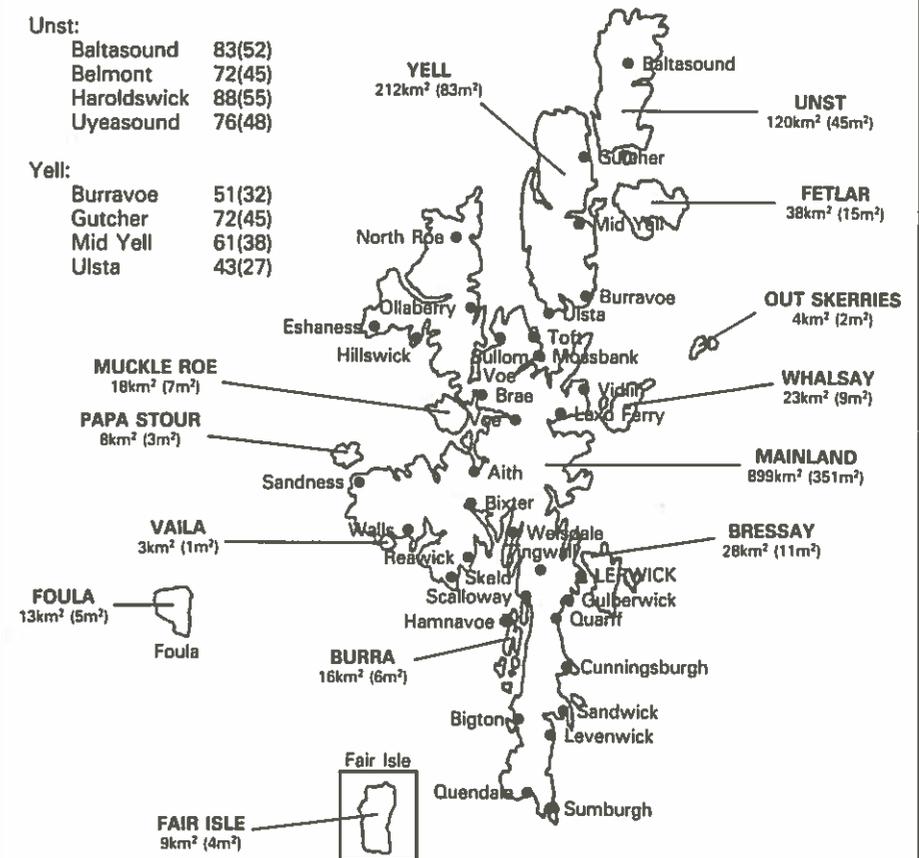
Aith	34(21)	Laxo Ferry	35(22)	Scalloway	13(8)
Bigton	30(19)	Levenwick	28(18)	Skeld	40(25)
Bixter	27(17)	Mossbank	43(27)	Sullom Voe	46(29)
Brae	35(22)	North Roe	61(38)	Sumburgh	40(25)
Cunningsburgh	18(11)	Ollaberry	53(33)	Tingwall	10(6)
Eshaness	62(39)	Quarff	11(7)	Toft Ferry	43(27)
Girlsta	16(10)	Quendale	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)
Belmont	72(45)
Haroldswick	88(55)
Uyeasound	76(48)

Yell:

Burravoe	51(32)
Gutcher	72(45)
Mid Yell	61(38)
Ulst	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

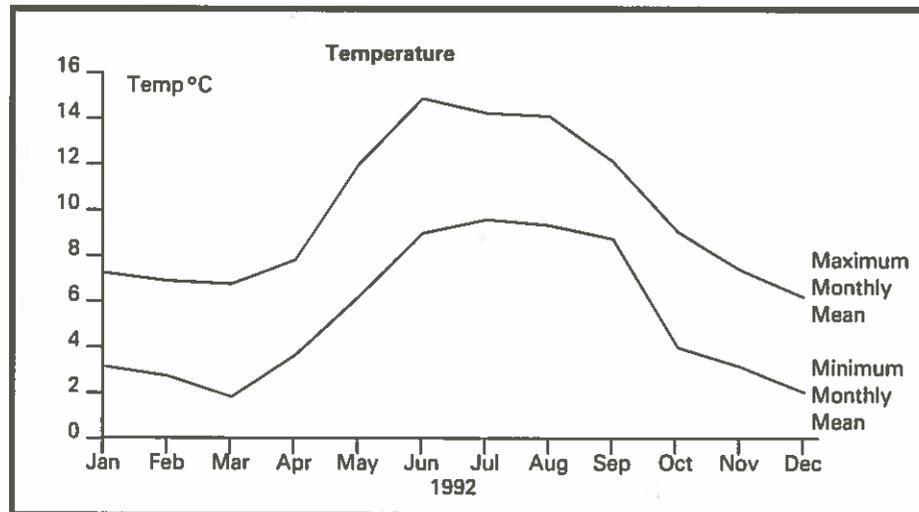
# Climate

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 1992 are as follows:

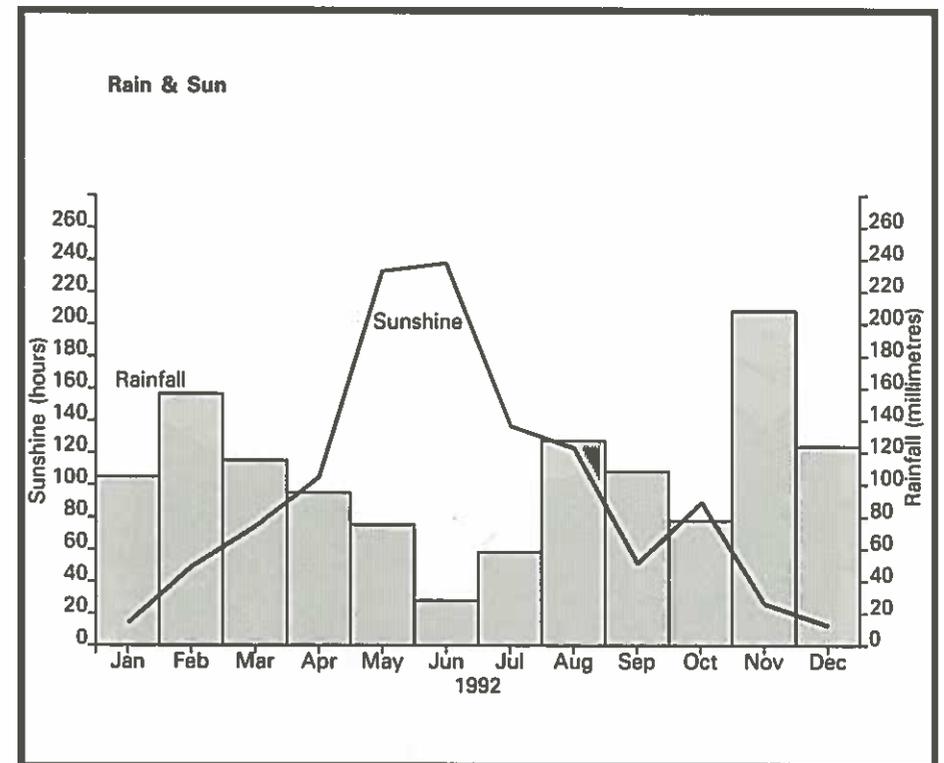
## Temperature (degrees C)

	1992 monthly mean		Extreme Daily Values (1922-1992)	
	Max.	Min.	Max. (Year)	Min. (Year)
Jan	7.2	3.2	11.7 ('32,'50)	-8.9 ('52,'59)
Feb	6.9	2.7	11.7 ('45)	-7.3 ('80)
Mar	6.7	1.8	13.3 ('61)	-8.3 ('47)
Apr	7.7	3.6	16.1 ('42)	-5.7 ('68)
May	12.0	6.2	20.7 ('92)	-2.8 ('23)
Jun	14.7	9.0	23.3 ('58)	-0.6 ('24,'29,'31,'51)
Jul	14.2	9.4	23.4 ('91)	3.3 ('21)
Aug	14.1	9.2	21.5 ('82)	1.7 ('21)
Sep	12.1	8.7	19.4 ('53)	-0.6 ('54)
Oct	8.8	4.1	17.2 ('55)	-3.3 ('48)
Nov	7.4	3.2	13.9 ('46)	-5.7 ('62)
Dec	6.2	5.3	12.2 ('48)	-8.2 ('61)
<b>Year</b>	<b>9.8</b>	<b>5.3</b>		



## Monthly totals

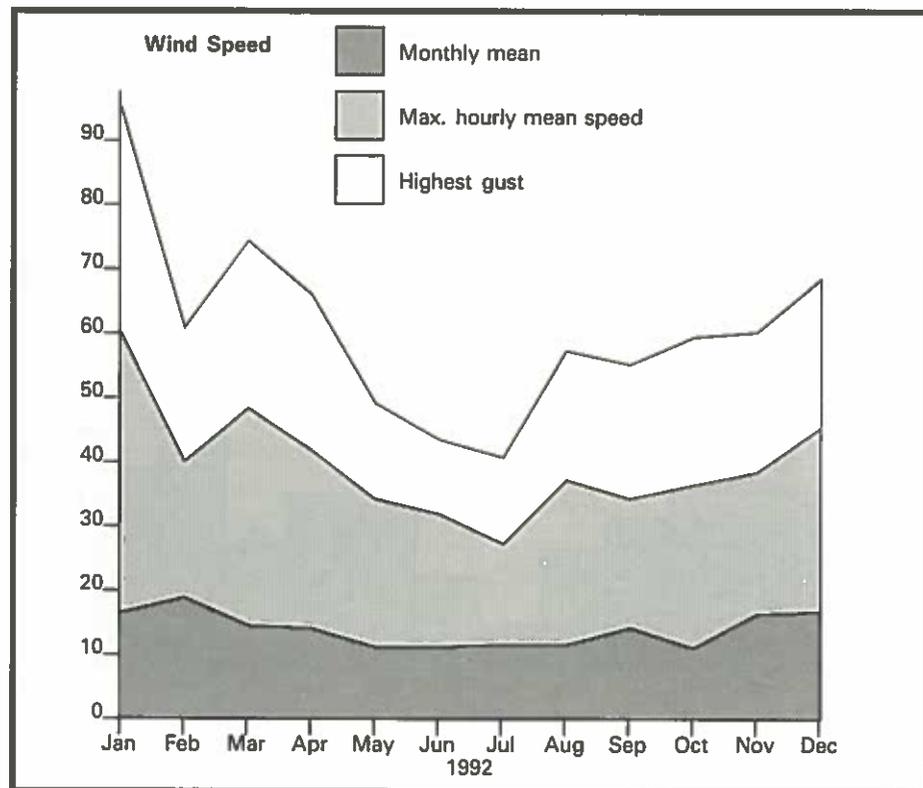
	Sunshine (hours)		Rainfall (millimetres)	
	1992	Extreme daily values (1922-1992)	1992	Extreme daily values (1922-1992)
Jan	14.4	6.6 ('39)	105	39 ('27)
Feb	47.9	9.8 ('40)	147	44 ('26)
Mar	74.4	11.6 ('64)	115	40 ('52)
Apr	105.0	14.8 ('26)	95	34 ('40)
May	233.1	16.2 ('40,'57,'80)	75	50 ('66)
Jun	236.1	17.4 ('34)	32	37 ('81)
Jul	137.7	16.6 ('35)	58	86 ('35)
Aug	123.7	15.1 ('38)	127	44 ('45)
Sep	51.2	12.6 ('43)	112	47 ('54)
Oct	88.0	10.1 ('37)	77	59 ('81)
Nov	26.4	6.8 ('67)	208	66 ('49)
Dec	12.5	5.1 ('57)	123	37 ('51)
<b>Year</b>	<b>1,150.5</b>		<b>1,274</b>	



## Wind Speed (knots)

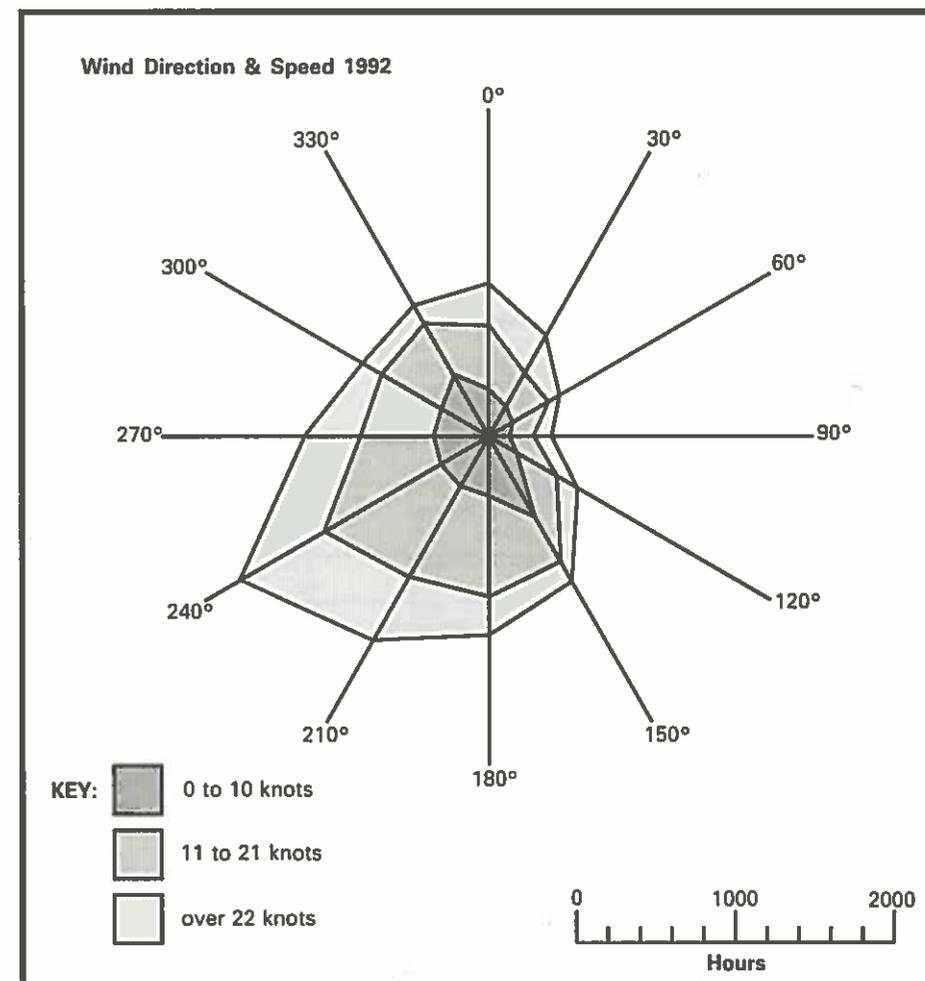
	Monthly mean 1992	Max hourly mean speed 1922-1992				Highest gust 1922-1992			
		1992	speed	direction	year	1992	speed	direction	year
Jan	16.7	60	(64	220	1961)	95	(95	220	1960 & 1992)
Feb	18.6	40	(56	230	1981)	61	(83	220	1957)
Mar	14.6	48	(53	240	1967)	74	(77	240	1967)
Apr	14.0	42	(55	250	1957)	66	(78	250	1957)
May	11.6	34	(44	100	1982)	48	(65	110	1982)
Jun	11.6	32	(42	260	1955)	43	(61	260	1955)
Jul	11.9	27	(40	030	1940)	41	(61	290	1964)
Aug	11.9	37	(50	240	1923)	57	(71	240	1923)
Sep	14.0	34	(59	210	1978)	55	(87	260	1963)
Oct	11.6	36	(58	230	1965)	59	(90	250	1980)
Nov	16.6	38	(51	240	1973)	60	(80	220	1938)
Dec	16.7	45	(58	260	1949)	68	(90	220	1956)

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



## Wind Direction & Speed 1992

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
0 to 10 knots	203	139	104	90	125	446	373	362	363	296	333	324
11 to 21 knots	257	178	119	74	175	332	477	526	815	432	311	267
Over 27 knots	44	105	10	23	28	75	215	319	570	229	64	25
Total hours under 11 knots	203	139	104	90	125	446	373	362	363	296	333	324
Total hours under 22 knots	460	317	223	164	300	778	850	888	1178	728	644	591
Total hours	504	422	233	187	328	853	1065	1207	1748	957	708	616



## No. of days in 1992 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Fog	Rain
Jan	3	5	0	8	1	21
Feb	9	2	0	8	0	27
Mar	15	7	3	5	0	22
Apr	8	0	1	2	0	25
May	3	1	2	2	1	13
Jun	0	0	1	2	1	14
Jul	0	0	0	0	3	22
Aug	0	0	1	1	0	24
Sep	0	0	0	3	4	24
Oct	5	0	0	5	1	27
Nov	6	3	0	5	0	29
Dec	9	2	1	6	0	24
<b>Total</b>	<b>58</b>	<b>20</b>	<b>9</b>	<b>47</b>	<b>11</b>	<b>272</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 1992

### Temperature (deg. C.)

Max. Temp.	11th June	20.8
Min. Temp.	14th March	-6.1

### Sunshine (hours)

Sunniest Day	12th July	15.7
Sunniest Month	June	236.1

### Rainfall (millimetres)

Wettest Day	22nd November	34.8
Wettest Month	November	207.7
Driest Month	June	31.8

### Wind Speed (knots)

Highest Gust	1st January	95
Windiest Month	February	18.6

## 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		
	Males	Females	Total	Males	Females	Total
0-4	888	890	1,778	830	797	1,627
5-9	901	881	1,782	815	743	1,558
10-14	959	913	1,872	903	837	1,740
15-19	907	846	1,753	831	790	1,621
20-24	886	791	1,677	838	757	1,595
25-29	1,006	852	1,858	883	785	1,668
30-34	1,052	874	1,926	851	792	1,649
35-39	857	782	1,639	917	795	1,712
40-44	706	577	1,283	933	787	1,720
45-49	571	518	1,089	767	713	1,480
50-54	503	520	1,023	614	556	1,170
55-59	542	516	1,058	500	491	991
60-64	385	488	873	439	454	893
65-69	443	510	953	415	474	889
70-74	371	512	883	295	439	734
75-79	239	411	650	261	396	657
80-84	157	259	416	165	314	479
85+	64	191	255			
85-89				72	182	254
90+				24	61	85
<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>

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.

## Population of Shetland by area (June of each year):

	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	1,025	1,043
Whalsay .....	900	859	764	871	88*	87
Skerries .....	110	127	108	100	859	899
Tresta - Bridge of Walls ..	1,562	1,225	957	873	715	599
West of Bridge of Walls ..	884	687	561	483	45*	45*
Foula .....	118	75	54	33	35*	35*
Papa Stour .....	100	68	55	24		
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	888	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.

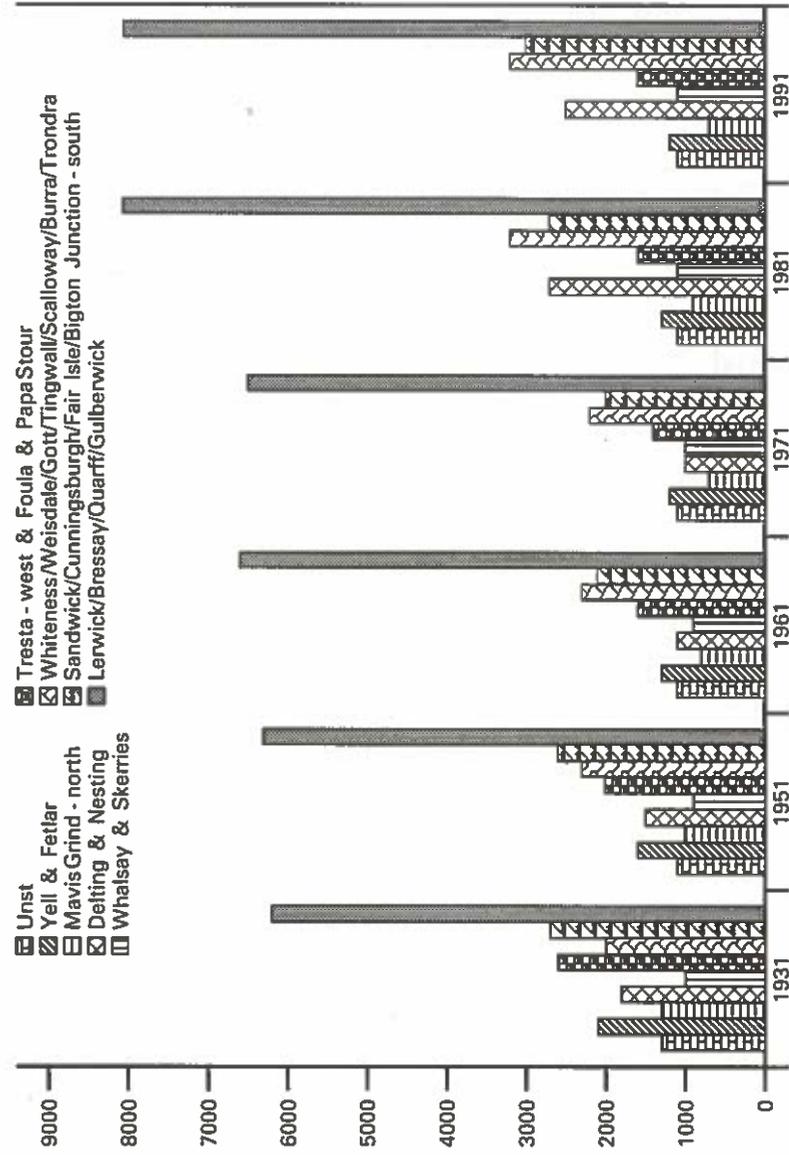
1981 Census — Resident Population excluding absent households.

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.

Population 1931 to 1991 by area



## 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.

### Industrial 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 Industry Section. Source: McNicoll 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

### Employment in Shetland

	1971(a)	1977(b)	1981(c)	1983(d)	1988(d)	1991(d)
Primary	279	322	938	1,276	1,187	1,387
Manufacturing	1,335	1,125	940	923	962	1,206
Construction	489	1,004	906	763	766	809
Services	2,885	4,400	6,189	5,779	5,929	6,263
Self Employed	1,445	1,450	1,452	1,455	1,565	1,707
<b>Total</b>	<b>6,433</b>	<b>8,301</b>	<b>10,425</b>	<b>10,196</b>	<b>10,409</b>	<b>11,372</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.

### Economic Activity in Shetland 1971-1981

	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
Shetland %	4.0	2.8	5.3	6.4	4.9	3.7	3.6	4.1
Actual Figures Jan:	213	220	402	740	657	416	354	464
July:	289	233	457	611	440	366	314	370
Orkney %	4.8	5.7	9.0	11.2	7.9	5.6	5.5	5.5
Western Isles %	14.0	11.8	20.1	20.2	14.3	11.9	14.5	11.0
Grampian %	4.3	4.6	7.6	7.5	5.3	3.8	4.0	4.2
Strathclyde %	9.8	9.8	16.1	15.6	12.6	11.3	12.3	11.3
Scotland %	8.6	8.1	13.5	11.6	9.1	7.7	9.0	9.1

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.

## Employment by Industrial Category in 1991

Primary	Employees	Self Employed	Total
Agriculture (inc. Horticulture)	202	196	398
Fishing	0	458	458
Fish Farming	325	61	386
Oil	737	0	737
Energy	92	1	93
Water	31	0	31
<b>Total</b>	<b>1,387</b>	<b>716</b>	<b>2,103</b>

Manufacturing	Employees	Self Employed	Total
Quarrying/Building Products	48	3	51
Marine Engineering	268	11	279
Other Engineering	11	6	17
Fish Processing	573	5	578
Other Food	96	8	104
Knitwear	89	28	117
Other Textiles	27	9	36
Misc	94	16	110
<b>Total</b>	<b>1,206</b>	<b>86</b>	<b>1,292</b>

Construction	Employees	Self Employed	Total
	809	211	1,020

Services	Employees	Self Employed	Total
Distribution	1,257	279	1,536
Tourist Accommodation	316	156	472
Catering	312	33	345
Air Transport	204	0	204
Other Transport	696	78	774
Communications	219	17	236
Finance/Business	407	61	468
Public Administration	597	0	597
Health & Education	1,192	34	1,226
Misc Services	1,063	36	1,099
<b>Total</b>	<b>6,263</b>	<b>694</b>	<b>6,957</b>

Note: A Shetland Islands Council Development Department survey showed that in 1991 over 27 per cent of those in employment were part-time. 42 per cent of the workforce were female, and 50 per cent of female jobs were part-time, compared with 11 per cent of male jobs.

## 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
Apprenticeships	58	52	33	38	33	10	13	9	10	10	7
Jobs	96	104	123	101	93	99	97	98	69	76	52
YTS/YOP	46	41	82	105	102	128	110	124	100	111	88
Unemployed	21	30	19	19	26	19	13	8	8	16	13
N/A	17	20	10	12	16	18	11	11	16	12	9
<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>

## Fisheries

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

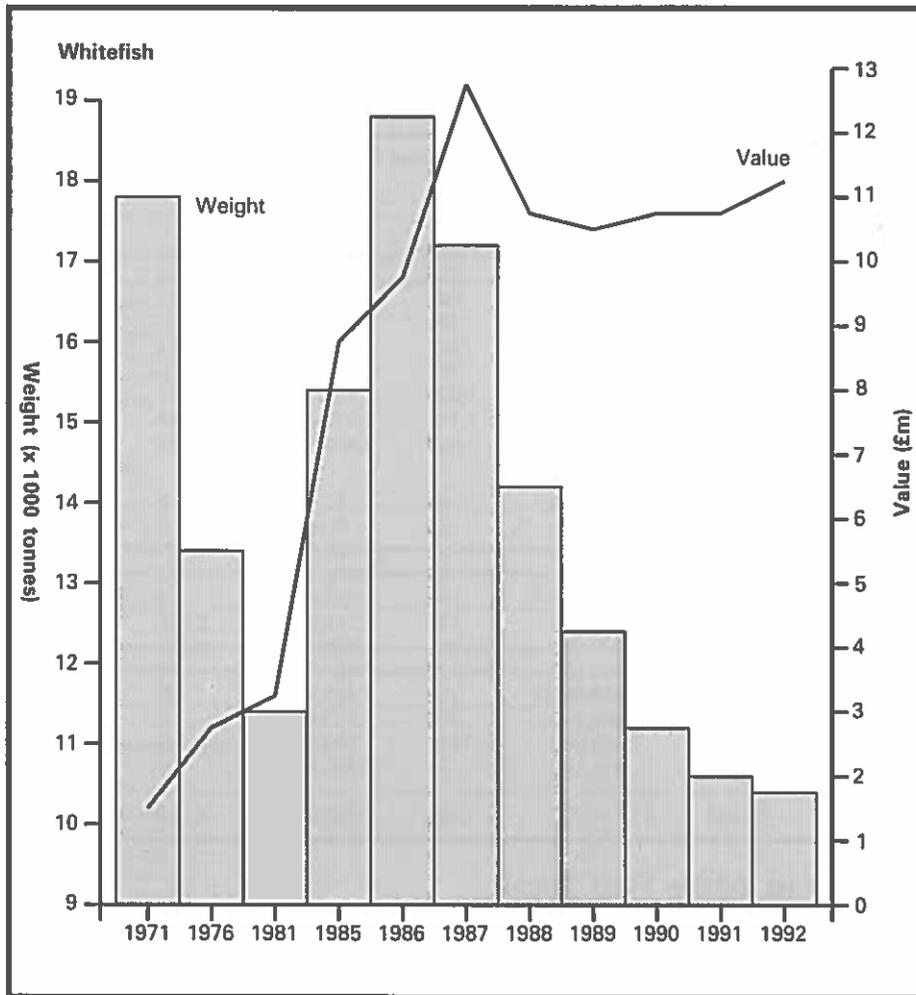
	White Fish		Shell Fish		Sand Eels	
	Tonnes	£	Tonnes	£	Tonnes	£
1971	17,954	1,057,691	783	159,370	0	0
1976	13,457	2,587,548	588	202,339	18,548	515,398
1981	11,444	3,212,175	695	328,200	40,731	1,173,560
1985	15,314	8,806,974	642	416,693	17,223	528,129
1986	18,941	9,979,705	736	630,639	11,960	359,162
1987	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
<b>1992</b>						
Jan	855	815,900	30	56,800	0	0
Feb	860	818,900	54	90,600	0	0
Mar	1,031	1,107,600	45	63,800	0	0
Apr	955	1,046,800	87	132,500	76	3,300
May	939	909,500	78	124,000	0	0
Jun	755	782,800	142	166,600	2,267	102,300
Jul	956	908,600	121	120,100	1,495	66,100
Aug	678	603,600	145	134,300	314	13,600
Sep	805	814,800	132	162,200	0	0
Oct	868	966,800	139	153,600	0	0
Nov	1,151	1,486,300	116	184,300	0	0
Dec	703	913,100	74	204,200	0	0
<b>Total</b>	<b>10,556</b>	<b>11,171,700</b>	<b>1,163</b>	<b>1,593,000</b>	<b>4,152</b>	<b>185,300</b>

### Included in White Fish Total

	1990		1991		1992	
	Tonnes	£	Tonnes	£	Tonnes	£
Cod	2,497	2,932,399	2,220	2,744,602	1,936	2,414,300
Haddock	2,466	2,702,298	2,140	2,447,125	2,323	2,051,400
Whiting	1,958	1,472,432	2,463	1,437,210	2,509	1,336,800
Monkfish	2,122	3,762,667	1,429	3,554,426	1,406	3,466,400

### Average Quay Prices per tonne

	1985	1986	1988	1989	1990	1991	1992
	£	£	£	£	£	£	£
Cod	634.85	828.42	894.84	936.23	1,174.00	1,236.31	1,247.06
Haddock	610.10	565.40	608.86	749.94	1,096.00	1,143.52	883.08
Whiting	476.92	506.43	580.81	549.73	752.00	583.52	532.80
Monkfish	—	1,507.60	1,450.83	2,029.40	1,773.00	2,487.35	2,465.43



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		1990		1991		1992	
Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
68,966	13,926,680	65,842	15,661,106	115,566	23,529,657	104,187	21,338,570	115,927	22,391,700

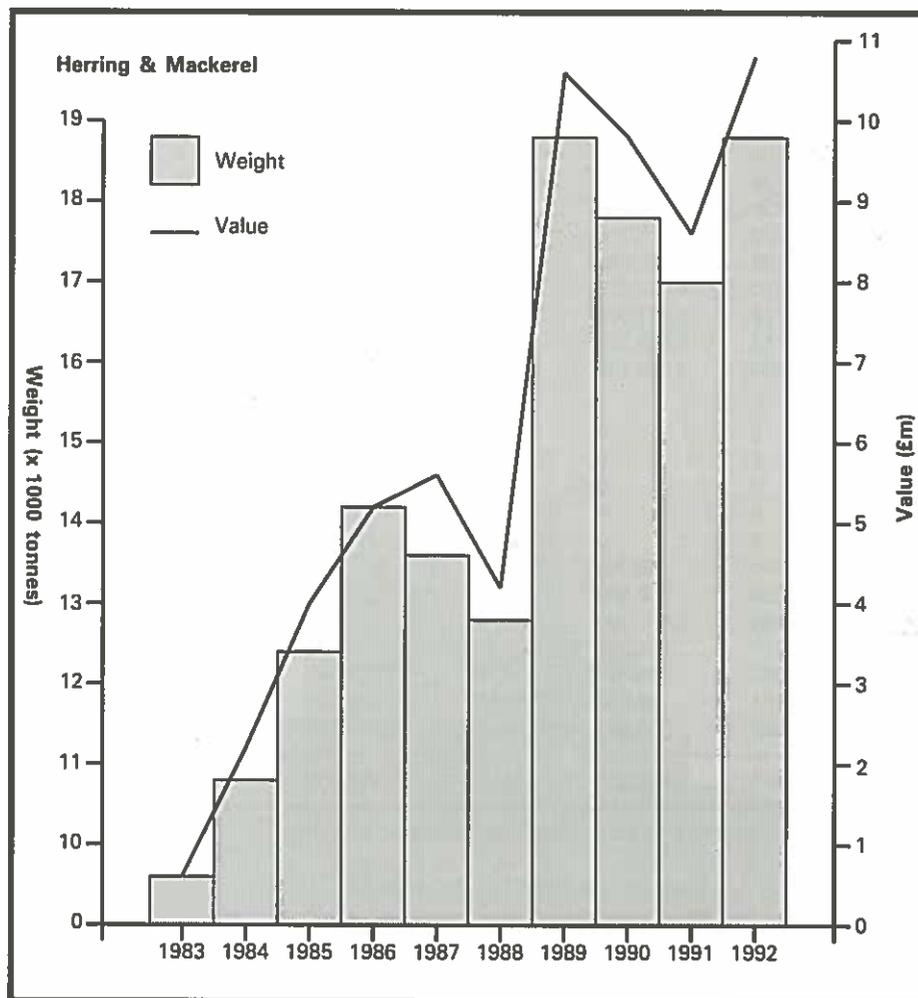
### Pelagic Landings in Shetland by UK Vessels

	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						
Jan	0	0	2,386	338,700	0	0
Feb	0	0	1,384	179,400	0	0
Mar	0	0	0	0	0	0
Apr	0	0	0	0	1,863	87,600(c)
May	0	0	0	0	1,708	79,100(c)
Jun	340	45,000	0	0	0	0
Jul	3,820	380,000	0	0	0	0
Aug	22,430	2,410,100	0	0	0	0
Sep	4,717	452,200	238	29,900	0	0
Oct	1,002	84,700	16,809	2,018,000	198	7,900(a)
Nov	1,101	94,500	30,097	3,576,100	176	8,600(a)
Dec	4,087	399,800	8,863	1,113,200	0	0
<b>Total</b>	<b>37,497</b>	<b>3,596,300</b>	<b>59,777</b>	<b>7,255,200</b>	<b>3,945</b>	<b>183,200</b>

(a) Horse Mackerel; (b) Scat & Sprats; (c) Blue Whiting.

### Weight and Value of Catch by Method

	1990		1991		1992	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	2,462	2,388,822	3,346	2,595,164	2,425	1,835,000
Industrial Trawler	10,260	453,142	8,249	392,856	7,721	352,000
Demersal Trawl	8,404	9,396,638	7,692	8,983,964	7,347	8,394,000
Purse Seine	82,915	9,368,368	74,932	8,091,220	81,992	9,464,000
Pair Trawl (Demersal)	1,014	1,079,872	359	261,024	726	626,000
Pair Trawl (Pelagic)	4,253	474,007	2,798	344,707	8,042	841,000
Single Boat Trawl	6,157	367,588	7,583	732,290	7,460	557,000
Scallop Dredging	446	844,147	404	801,552	496	906,000
Queen Escallop	102	33,121	40	15,116	49	19,000
Dredging	504	392,610	1	274	0	0
Creels	0	0	404	398,285	464	332,000
Hand & Small Lines	0	111	16	18,369	10	8,000
Hand Gathered	78	16,027	39	52,766	19	8,000
<b>Total</b>	<b>116,595</b>	<b>24,814,453</b>	<b>105,863</b>	<b>22,687,587</b>	<b>116,751</b>	<b>23,342,000</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 approximately 40 klondykers in and around Lerwick Harbour, each with about 150 crew members, representing a substantial temporary addition to the local processing capability.

### Landings by value at Shetland and Orkney Ports, 1991

Port	Value
Lerwick	£15,201,400
Scalloway	£ 5,554,000
Yell	£ 957,000
Kirkwall	£ 795,000
Stromness	£ 491,800
Sella Ness	£ 353,300
Westray	£ 307,800
Northmavine	£ 215,100
West Burrafirth	£ 204,300
Whalsay	£ 169,800
South Ronaldsay	£ 106,900
Sanday	£ 71,700
Rousay	£ 58,300
Hoy	£ 47,300

### Distribution of Vessel Type

	Purse Seiners	Trawlers/Seiners		Vessels		Total
		over 80 ft *	50-80 ft	30-50 ft	0-30 ft	
1971	3	0	38	36	59	136
1976	5	0	46	29	57	137
1981	10	0	43	27	44	124
1983	11	0	43	25	46	125
1985	12	0	41	29	55	137
1986	10	0	36	19	48	113
1987	10	0	39	15	64	128
1988	10	5	34	15	47	111
1989	10	6	36	21	64	137
1990	10	5	34	20	22	91
1991	10	5	34	20	22	91

\* (over 80 ft - new category introduced 1988)

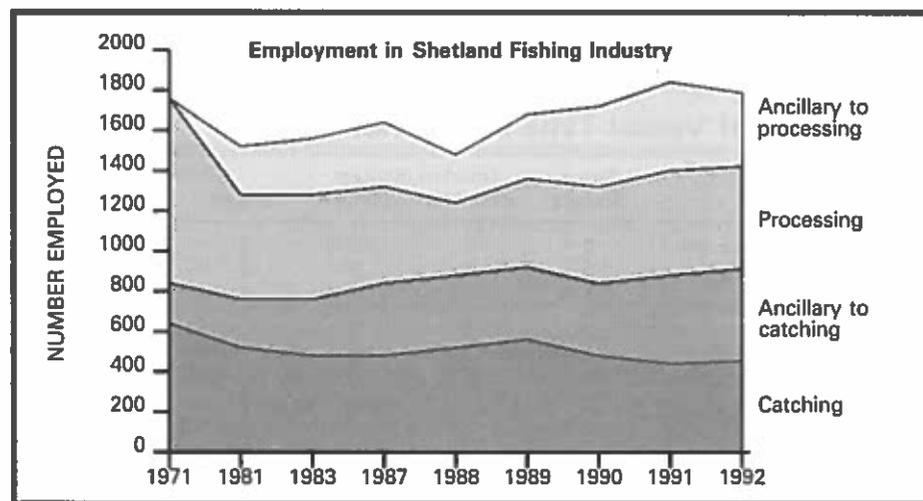
### Distribution of Vessel Type by District 1991

	Purse Seiners	Trawlers/Seiners		Vessels		Total
		over 80ft	50-80 ft	35-50 ft	20-35 ft	
South Mainland & Fair Isle	0	0	0	0	3	3
Lerwick & Bressay	0	0	5	0	2	7
Whalsay	9	2	8	1	1	21
Out Skerries	0	0	2	0	2	4
Yell, Fetlar & Unst	0	0	2	2	1	5
Central Mainland	0	0	0	1	3	4
Northmavine	1	0	1	0	3	5
West Mainland (inc. Foula)	0	1	0	3	6	10
Scalloway, Burra & Trondra	0	2	16	8	6	32
<b>Total</b>	<b>10</b>	<b>5</b>	<b>34</b>	<b>15</b>	<b>27</b>	<b>91</b>

## Employment in the Shetland Fishing Industry

	1971	1981	1983	1987	1988	1989	1990	1991	1992
Catching	636	542	515	512	535	547	491	485	488
Ancillary	171	243	244	326	330	386	332	330	352
Processing	967	480	516	468	370	445	533	578	583
Ancillary	—	244	310	310	240	290	350	416	419
<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>1809</b>	<b>1842</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
Number of firms	8	8	11	12	13	14	14	15
Number of factories	14	14	14	14	14	15	15	16

## Processing lines

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

Turnover was estimated to be £12.7 million in 1982-83\* and rose to around £15 million in 1985-86. Over 50 per cent of this output was exported abroad until 1987 when exports dropped significantly due to the adverse exchange rates. In 1988 exports began to recover in the latter part of the year. In 1986 Whalsay Fish Processors Limited was given the Queen's Award for Industry in recognition of its exporting achievements.

The white fish sector of the industry experienced a difficult year in 1989 due to reduced quotas resulting in a shortage of supplies. An increasing number of firms are now processing salmon. The Shetland Catch factory opened in July 1989 and has an annual capacity of 20,000 tonnes (herring and mackerel). As a result output in the industry continued to rise and was estimated to be around £25 million in 1991/92.

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 continues to ensure the high standard of the industry's products.

\* McNicoll, I. H., Survey of the Shetland Economy, 1982-83.

## Salmon Industry

The salmon farming industry in Shetland has grown rapidly over the past five years and the total value of farmed fish now exceeds the value of the traditional fish catching industry. While most of the salmon produced is exported fresh, an increased amount is processed within the islands.

### Salmon Farms

	1984	1985	1986	1988	1989	1990	1991	1992
Farms Established	5	14	13	10	6	1	0	0
Farms Producing	4	13	27	43	49	58	59	52
<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>

### Production

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

### Value

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

### Employment

	1984	1988	1990	1991	1992
Direct	40	239	330	386	391
Ancillary	59	280	390	482	488
<b>Total</b>	<b>90</b>	<b>519</b>	<b>720</b>	<b>838</b>	<b>879</b>

## Agriculture

	1971	1981	1990	1991
<b>Land Use (Figures to nearest hectare):</b>				
Tillage	1,410	1,062	877	749
Grassland & Crops	8,407	8,400	13,127	13,688
Rough Grazing (inc. C Grazing)	129,019	133,160	130,788	130,965
Total Area Rented	38,130	36,046	35,939	36,261
Total Area Owned	28,161	30,368	33,211	33,542
No. of Holdings	2,439	2,240	2,189	2,185
No. of Common Grazings	93	93	99	100

	1971	1981	1990	1991
<b>Area Under Crops (Figures to nearest hectare):</b>				
Grass (excl. Rough Grazings)	6,998	7,338	12,250	12,939
Barley & Oats	857	511	278	217
Turnips & Swedes	134	103	103	105
Kale & Cabbage	73	34	31	35
Potatoes	256	232	112	139
All Other Crops	17	25	154	116

	1971	1981	1990	1991
<b>Livestock:</b>				
Beef Cows & Heifers	2,492	1,896	2,165	2,109
Dairy Cows & Heifers	791	593	584	596
Total Cattle	6,945	5,103	5,594	5,660
Breeding Ewes & Gimmers	n/a	n/a	197,365	202,884
Total Sheep	264,779	297,558	366,173	379,628
Pigs	9	83	26	28
Poultry	12,950	8,672	3,348	4,186
Registered Slaughter Houses	9	8	4	4
Sheep Slaughtered	8,417	9,592	6,395	8,712
Cattle Slaughtered	485	278	234	339
Pigs Slaughtered	0	0	23	33
Sheep Exported	43,464	60,542	104,196	99,404
Cattle Exported	1,947	2,066	2,074	2,117
Ponies Exported	417	407	244	239
Pigs Exported	0	0	0	0
Wool Production (kilos)	n/a	c.212,000	c.300,000	c.300,000

	1971	1981	1990	1991
<b>Milk:</b>				
Dairy Units	23	23	17	16
Milk Production (Litres)	1,428,975	2,069,550	2,677,230	2,584,564

	1971	1981	1990	1991
<b>Employment:</b>				
F/T & P/T Employees	222	204	264	246
F/T & P/T Occupiers	439	457	989	913
Others (including occupiers less than half time, wives/husbands of occupiers and casual/seasonal labour)	584	718	1,033	1,138

## Capital Improvements 1991

Land Improvements:	Reclamation	2.00 hectares
	Regeneration	195.70 hectares
	Reseeding/Permanent Pasture	71.88 hectares
	Drainage — Piped	6920 metres
	Open Ditching	60525 metres
Apportionments:	Applications Received	24
	Apportionments Granted	25
	Area Granted	383.59 hectares
Grant Aided Capital Investments:		
	New Silos	6
	Fanks and Dippers	32
	Byres	2
	GP Sheds	31
	Slatted Courts	2
	Cubicle Houses	0
	New Croft Houses	14
	Croft House Improvements	10

In 1991 Shetland accounted for 17% of claims and 18% of total expenditure of the Crofters Commission. Orkney accounted for 9% of claims and 8% of expenditure and Caithness accounted for 11% of claims and 12% of expenditure.

Improvements Under ADP:	1989	1990	1991
Reseeding/Reconditioning/ Permanent Pasture	270.04 ha	404.66 ha	899.26 ha
Drainage	16,563 m	41,007 m	24,996 m

Source: Scottish Office Agriculture and Fisheries Department  
ADP: EC Agricultural Development Programme for the Scottish Islands

## 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 applied for (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.

## Tourism

### Accommodation capacity available to Shetland Islands Tourism by bed spaces

Type of Accommodation	1981	1985	1987	1989	1990	1991	1992
Hotels Lerwick	231	366	272	307	301	294	295
Hotels Country	342	346	334	314	312	301	281
Guest Houses Lerwick	0	41	32	28	17	31	28
Guest Houses Country	0	86	102	118	92	97	96
Bed & Breakfast Lerwick	103	75	68	100	96	93	95
Bed & Breakfast Country	203	119	136	238	273	208	216
Self Catering Lerwick +	271	342	305	474	19	23	23
Self Catering Country +	0	0	0	0	504	515	509
Caravans Country	104	30	41	51	33	17	6
Hostels Lerwick	81	140	146	147	48	48	48
Hostels Country	0	0	0	0	99	99	99
Camp Sites Lerwick +	0	89	89	70	28	28	28
Camp Sites Country +	0	0	0	0	42	42	42
<b>Total</b>	<b>1,335</b>	<b>1,634</b>	<b>1,525</b>	<b>1,847</b>	<b>1,864</b>	<b>1,796</b>	<b>1,769</b>

+ Category Sub-divided 1990

### Employment

	1978	1981	1983	1986	1988	1991	1992
Hotel & Guest Houses	161	233	292	280	332	356	345
Bed & Breakfast Accommodation	—	—	40	40	40	81	84
Self Catering, Cottages, etc.	—	—	63	64	64	89	91
<b>Total</b>	<b>161</b>	<b>233</b>	<b>395</b>	<b>384</b>	<b>436</b>	<b>526</b>	<b>520</b>

### Tourist Enquiries and Bookings

	1981	1986	1988	1989	1990	1991	1992
Postal Enquiries	1,696	5,201	5,971	4,827	7,599	6,845	7,255
Telephone Enquiries	—	966	1,845	1,559	2,087	2,115	2,467
Advance Bookings	101	220	336	333	311	252	299
Immediate Bookings	412	997	1,474	1,570	1,312	1,435	1,071

### Membership of Shetland Islands Tourism

	1981	1983	1985	1987	1989	1990	1991	1992
Hotels	16	18	19	18	16	16	16	14
Guest House B & B	64	46	68	63	93	95	87	87
Self Catering	36	27	46	54	67	67	72	76
Hostels	4	2	4	5	5	5	5	5
Business & Trade	120	101	106	96	150	138	153	133
Camp Site	—	—	4	3	4	4	4	4
Caravans	—	—	—	—	—	—	3	2
Camping Böds	—	—	—	—	—	—	—	4
<b>Total</b>	<b>240</b>	<b>194</b>	<b>247</b>	<b>239</b>	<b>335</b>	<b>325</b>	<b>340</b>	<b>325</b>

Source: Shetland Islands Tourism

### Extract from Shetland Tourist Survey 1991

Number of Visitors	%	Purpose of Visit	%
May	5,194	Holiday	21,000
June	7,530	Visiting Friends & Relatives — on holiday	5,300
July	9,872	Visiting Friends & Relatives — not on holiday	400
August	9,156	Business	4,300
		Other	700
	31,752		100
			31,700

### Method of Transport

By Air	10,610	33
By Sea	21,142	67
	31,752	100

It is estimated that the total number of visitors, including business visitors, for the 12 month period January to December 1991 was 56,000.

### Accommodation Used — number of visitors for period May - August 1991

Hotel	8100	Hostel	2200
Bed & Breakfast	7200	Guest House	1800
Staying with friends/relatives	5800	Caravan/camper van	900
Rented Accommodation	4200	Other	1500
Tent	3100	No accommodation used	1500

### Visitor Expenditure per person

		Expenditure per person	Expenditure per person per night
Mode of transport	air	£200	£47
	sea	£256	£53
Origin	Scotland	£169	£40
	Rest of UK	£252	£52
	Overseas	£301	£63
Purpose	Holiday	£277	£53
	Visiting friends/relatives	£115	£14
	Business	£165	£66

Source: Visitor Survey 1991

### Total Visitor Expenditure in Shetland (£ million)

1983	1984	1985	1986	1987	1988	1990	1991	1992
4.1	4.8	5.9	6.9	7.5	7.75	8.1	10.0	10.5

Visitors include both tourists and business visitors, and include accommodation, and any goods and services purchased while in Shetland.

Source: Shetland Islands Council Estimate and Visitor Expenditure Survey 1991

## 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 Passengers

1981	1983	1984	1985	1986	1987	1988	1989	1990	1991
3,564	3,820	5,399	5,790	6,279	4,930	4,636	5,444	4,083	5,240

## 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. Construction of the facilities began in February, 1975, with a peak workforce of over 7,000 in 1980 and final construction and commissioning was completed in December, 1982. The Terminal has a throughput design capacity of 1.41 million barrels of crude oil per day (70 million tonnes per year) 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 just under 1 million barrels per day. In August 1990 the crude oil was commingled and renamed Brent Blend. In January 1991 oil from Osprey, a subsea oil production system, arrived at the Terminal. May 1991 saw the 10th anniversary of the Royal Inauguration of Sullom Voe Terminal. In October 1991 the Terminal was presented, by the International Loss Control Institute, with a prestigious International Award for its Loss Control and Safety Management Programme. In early March, 1992, oil from Staffa arrived at the terminal and on 1st December, 1992, PIMS Commingling, the blending of Brent and Ninian crude, took place for the first time after metering and before stabilisation.

### Sullom Voe Terminal: throughput of oil

	1979	1985	1989	1990	1991	1992
Barrels	141,217,363	463,738,834	303,406,697	263,150,988	270,996,231	307,021,264
Tonnes	18,923,444	57,986,378	40,145,142	34,883,218	35,840,213	40,569,604

### Sullom Voe Terminal: average barrels per day

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

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

	1984	1985	1986	1989	1990	1991
Propane	886,426	877,727	823,220	425,541	379,041	350,497
Butane	649,833	650,337	630,262	303,615	260,483	248,164



## Exploration and Development

- 1970** The exploration phase for oil and gas offshore Shetland began when the Government allocated the first Licence Blocks.
- 1971** Exploration activity began with supply and helicopter services established in Shetland to support offshore activities.
- 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.
- 1976** The main Brent and Ninian pipelines to the Sullom Voe terminal were completed.
- 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 31st December the first oil arrived through the Ninian pipeline from the Heather oilfield. On the same day 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.
- 1983** The 21st British North Sea oilfield, North West Hutton, was brought on stream in April, adding 38,000 barrels per day to the Brent pipeline system. In July work on spur boom in Sullom Voe was completed giving protection against marine pollution unequalled in Europe. In August the terminal received the first oil from the Magnus field, the most northerly production platform in British waters.
- 1984** The Beryl B and Deveron oilfields came on stream. On 16th October the terminal received a record total of 1,482,065 barrels of crude oil in 24 hours. In November the 100th gas tanker and the 3,000th oil or gas tanker arrived at the port.
- 1985** On 7th January a new 24-hour throughput record of 1,503,417 barrels was established and a record 5,184 tonnes (61,085 barrels) of Liquefied Petroleum Gas was processed. The Ninian pipeline system established a new daily production record of 471,579 barrels on the same day. Three days later a new daily production record of 1,037,489 barrels was established by the Brent pipeline system. On 9th May the two billionth barrel of stabilised crude oil was produced at the terminal. The development plan for the terminal was completed in October with the opening of a new administration building.
- 1986** The 100 millionth barrel of crude from the North Cormorant platform was received at Sullom Voe in February. The terminal's new nitrogen plant was fully commissioned in April. In June the terminal established a world record export of gas. The tanker 'Gas Enterprise' took on 10,734 tonnes of propane and 29,293 tonnes of butane.
- 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 North Alwyn field was brought on stream in November and is projected to reach 400,000 barrels per day in early 1988 through the Ninian line.
- 1988** On 11th April the 96,130 tonne 'Peggy' became the first tanker to clock up 100 visits to the terminal. Following resumption of LPG production the first cargo of LPG was loaded onto the gas tanker 'Hesiod' on 1st September. The Eider field, with recoverable reserves of 85 million barrels, was brought on stream in early November and on the 28th, formal agreement between the terminal's participants and the SIC regarding the leasing of the terminal site, was signed at Busta House.
- 1989** On 15th May the Tern field was inaugurated by Her Majesty Queen Elizabeth the Queen Mother. In June Tern came on stream producing 24,000 barrels a day (expected to peak at 50,000 bpd). In October Don, a subsea satellite system, tied back to Thistle 15 kms south, came on stream at a rate of 11,000 barrels a day. Estimated reserves of 56 million barrels.
- 1990** The large 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.
- 1991** In January, Osprey, a subsea oil production system, linked to the Dunlin platform 4½ miles away, came on stream. Peak production is estimated at 25,000 barrels a day with an estimated reserve of 60 million barrels.
- 1992** In March, Staffa, a subsea development, linked to Ninian South platform 9.5 km away, came on stream. Peak production is established at 8,000 barrels a day with an estimated recoverable reserve of 9 million barrels.

## 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 Statfjord		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
North Alwyn	(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

(B) part of Brent pipeline to Sullom Voe. (N) part of Ninian pipeline to Sullom Voe.

\* '000 Barrels per day.

### Brent Pipeline System: throughput of oil

	1979	1985	1989	1990	1991	1992
Barrels	77,552,205	300,530,869	168,923,197	133,922,065	153,250,219	194,438,699
Tonnes	10,367,579	39,796,300	22,377,043	17,789,666	20,263,701	25,692,715

### Ninian Pipeline System: throughput of oil

	1979	1985	1989	1990	1991	1992
Barrels	63,665,158	136,207,965	134,483,500	129,228,923	117,746,012	112,582,565
Tonnes	8,555,865	18,190,078	17,768,099	17,093,552	15,576,512	14,876,889

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

	1984	1985	1986	1989	1990	1991	1992
Propane	492,419	188,713	476,742	112,555	110,567	89,961	102,112
Butane	317,195	368,347	375,641	70,060	65,315	57,906	66,528

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

	1984	1985	1986	1989	1990	1991	1992
Propane	349,007	388,602	346,478	312,986	268,474	260,536	180,276
Butane	278,638	281,990	254,621	233,555	195,168	190,258	125,830





### Industrial Sites

- ▲ DEVELOPED
- PLANNED



## 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.

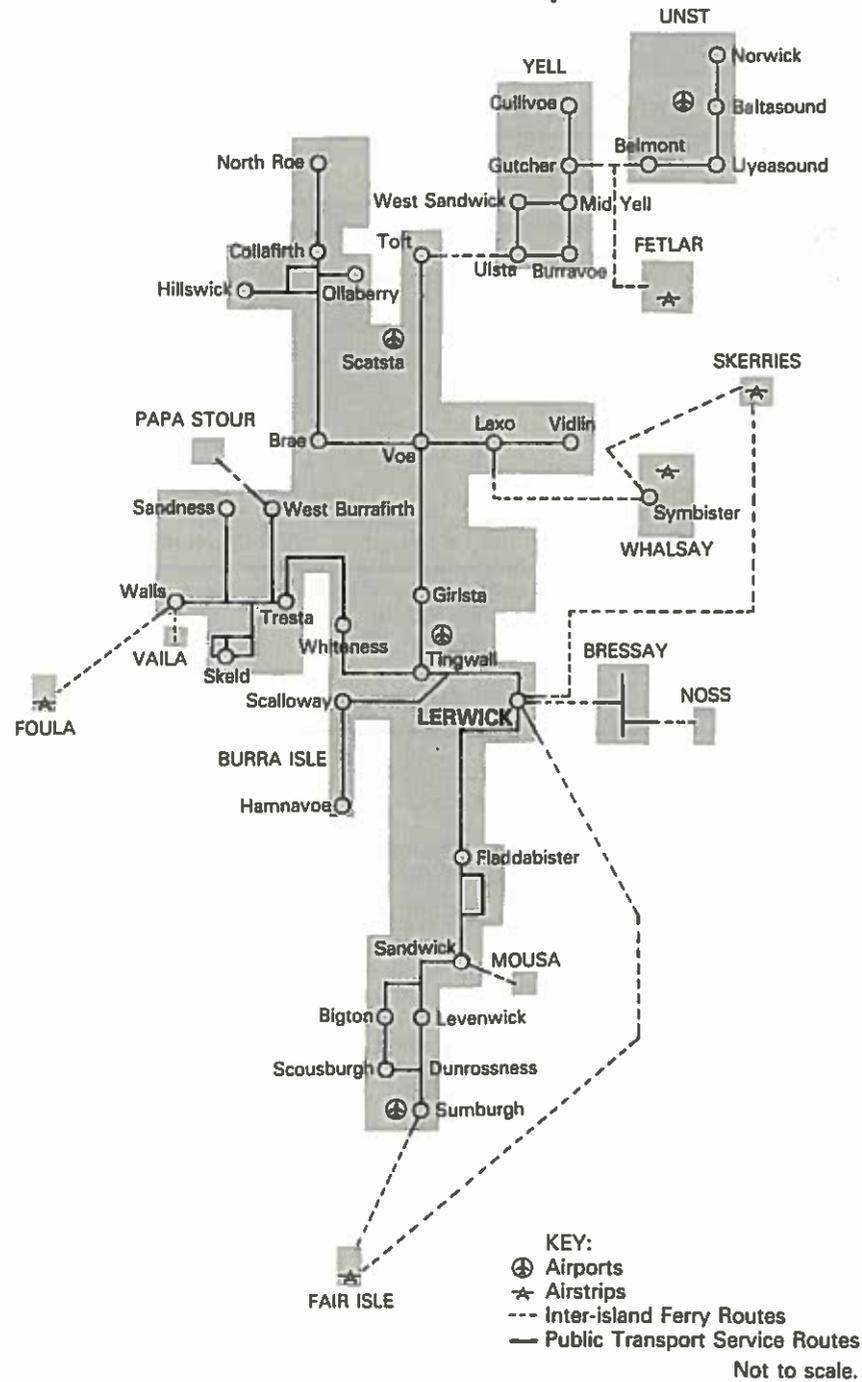
### Bus Services

Route	Operator
Lerwick to:	
Sumburgh, Sumburgh Airport	A. Eunson: J. Leask & Son
Sandwick	Shalder Coaches
Brae/Hillswick/North Roe/Mossbank	Shalder Coaches
Weisdale-Skeld; Weisdale-Walls	J. Watt & Son
Walls	Shalder Coaches
Voe-Toft (for Yell, Unst & Fetlar)	J. Leask & Sons
Laxo (for Whalsay)	J. Leask & Son
Scalloway, Burra	Shalder Coaches
Lerwick Town Service:	
Sound to North Staney Hill via Town Centre, Lochside & return	J. Leask & Son
Yell:	
Ulsta-Gutcher-Cullivoe	R. Jamieson
Ulsta-Mid Yell-West Sandwick	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	1992-93 (estimated)
Yell	96,364	83,694	105,228	113,897	119,150
Unst/Fetlar	40,605	47,774	59,482	65,608	65,177
Bressay	96,849	94,389	146,073	135,447	146,326
Whalsay	45,888	51,642	64,118	67,385	75,026

### Vehicles

Ferry Route	1986	1987	1990	1991	1992-93 (estimated)
Yell	65,264	65,925	84,336	89,041	100,506
Unst/Fetlar	28,202	38,627	41,996	51,816	58,246
Bressay	31,958	33,462	47,520	50,272	58,238
Whalsay	31,660	34,011	44,838	48,911	55,020

## 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
1992		
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.

## 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	1990	1991	1992
General	316	418	451	639	754	669	738	796
HM Ships	41	62	60	48	24	20	16	12
Oil	51	140	106	135	113	108	114	112
Oil Rig Tenders	79	1,556	1,300	1,277	911	1,025	888	812
Other Vessels	448	480	582	710	973	886	841	920
(Yachts +	n/a	112	181	242	421	348	366)	
British Fishing**	1,440	677	722	1,302	1,905	2,075	1,606	2,059
Foreign Fishing	1,580	246	329	195	243	228	216	216
<b>Total</b>	<b>3,955</b>	<b>3,579</b>	<b>3,550</b>	<b>4,306</b>	<b>5,344</b>	<b>5,011</b>	<b>4,419</b>	<b>4,932</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	1990	1991	1992
Bulgaria	—	—	—	6	12	2	6	5
Chile	—	—	—	—	—	1	—	—
Denmark	374	117	115	65	49	71	66	35
Faroe	242	14	21	8	4	14	19	8
France	16	13	22	16	6	12	18	9
Germany (West) }+	3	1	—	8	10	17	22	5
Germany (East) }+	—	—	18	11	—	—	—	—
Greenland	—	—	—	—	4	—	—	—
Iceland	215	2	—	3	13	9	—	—
Ireland	—	—	—	—	39	25	20	44
Netherlands	12	—	8	8	13	7	7	4
Norway	551	96	143	66	62	41	50	95
Panama	—	—	—	—	3	1	—	—
Poland	1	2	—	—	—	—	—	—
Portugal	—	—	—	1	—	—	—	—
Sweden	100	1	1	—	7	4	7	7
USSR	60	—	1	3	21	24	1	9
<b>Total</b>	<b>1,554</b>	<b>246</b>	<b>329</b>	<b>195</b>	<b>243</b>	<b>228</b>	<b>216</b>	<b>221</b>

Source: Lerwick Harbour Trust + Unified 1990

## Total Tonnage Handled in Lerwick Harbour

(Weight of containers excluded)

	1971	1981	1985	1990	1991	1992
General Cargo Imports	45,760	200,077	235,041	243,973	226,715	242,111
General Cargo Exports	48,849	57,471	49,578	93,768	98,335	140,391
Oil Related Imports	342	288,999	300,314	225,905	238,684	221,254
Oil Related Exports	0	421,807	486,059	301,846	315,996	287,266
<b>Total</b>	<b>94,951</b>	<b>968,354</b>	<b>1,070,992</b>	<b>865,492</b>	<b>879,730</b>	<b>891,022</b>

## Lerwick Harbour Trust Revenue

	1971	1981	1985	1990	1991	1992
£49,000	£2,100,000	£3,062,000	£4,517,782	£4,576,082	£4,429,042	

## Shipping in Scalloway

	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 Trust 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	

## Total Tonnage Handled in Scalloway Harbour: Imports

(Weight of containers excluded)

	1984	1985	1986	1989	1990	1991	1992
Fish	92	449	267	90	130	99	89
Salmon Feed	218	552	907	684	662	414	387
Miscellaneous Cargo	430	1,109	1,384	919	913	1,240	6,638
Bulk Tar	2,129	1,046	2,479	3,576	2,727	4,598	4,248
<b>Total</b>	<b>2,869</b>	<b>3,156</b>	<b>5,037</b>	<b>5,269</b>	<b>4,432</b>	<b>6,351</b>	<b>11,362</b>

## Total Tonnage Handled in Scalloway Harbour: Exports

(Weight of containers excluded)

	1984	1985	1986	1989	1990	1991	1992
Frozen Fish	1,840	2,903	2,663	400	829	591	837
Offal	3,441	6,037	7,563	152	0	0	0
Salmon	23	40	221	1	1	5	0
Sandeel/minkfood	4,170	5,084	5,492	0	0	0	0
Miscellaneous Cargo	94	262	181	105	57	297	3,446
<b>Total</b>	<b>9,568</b>	<b>14,326</b>	<b>16,120</b>	<b>658</b>	<b>887</b>	<b>893</b>	<b>4,283</b>

## U.K. Port Traffic 1989

Port	Million tonnes	% UK Total Traffic
1. London	54	11.3
2. Sullom Voe	41	8.5
3. Tees & Hartlepool	39	8.1
4. Grimsby & Immingham	38	7.9
5. Milford Haven	33	6.9
6. Southampton	26	5.4
7. Forth	23	4.8
8. Liverpool	20	4.2
9. Felixstowe	17	3.5
10. Medway	14	2.9

Source: British Ports Federation

## Air Services

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

	1984	1985	1986	1988	1989	1990	1991	1992
Aircraft Movements	31,666	29,664	29,457	36,588	37,988	41,993	39,863	37,289
Passengers	384,465	369,434	367,053	475,608	524,402	580,078	588,625	541,859

### Employment

	1982	1983	1984	1985	1986	1988	1989	1990	1991	1992
Sumburgh	501	238	232	209	206	217	248	304	296	282
Tingwall	10	10	10	10	10	10	8	8	8	8
Scatsta	41	28	12	9	10	13	13	11	11	9
Unst	69	72	61	66	66	41	38	44	42	75
<b>Total</b>	<b>621</b>	<b>348</b>	<b>315</b>	<b>294</b>	<b>292</b>	<b>281</b>	<b>307</b>	<b>367</b>	<b>357</b>	<b>374</b>

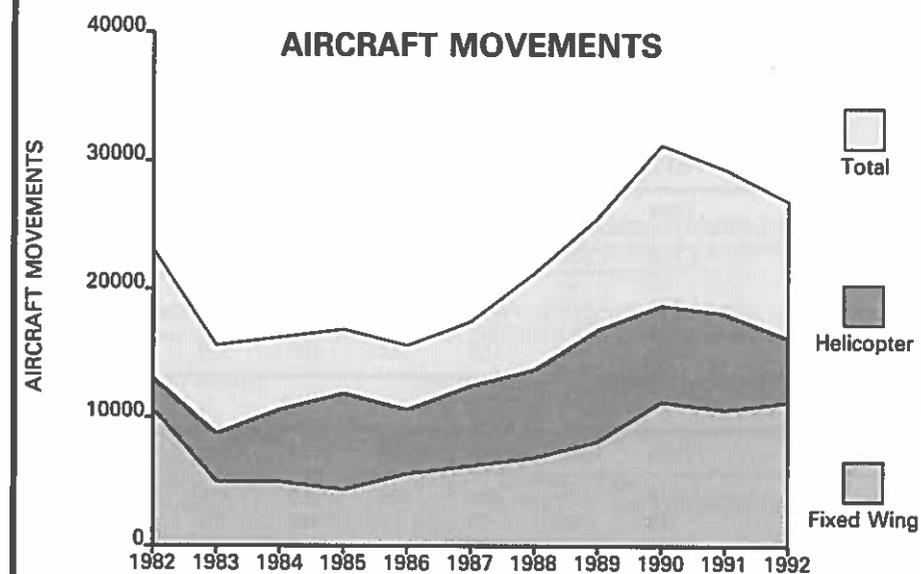
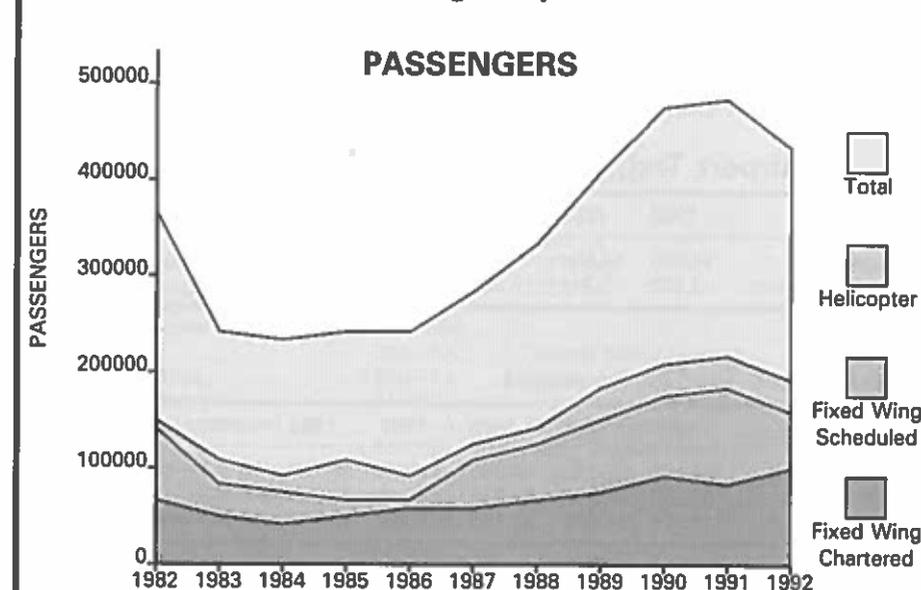
### Sumburgh Airport Traffic: Passengers & Freight

	Total Passengers	Fixed Wing Scheduled Passengers	Charter Passengers & Others	Helicopter Passengers	Freight (kgs)
1982	367,307	70,543	141,871	154,893	2,176,402
1983	247,678	61,326	84,162	102,190	1,481,389
1984	235,693	58,550	80,052	97,091	1,709,011
1985	239,159	60,724	75,401	103,034	1,599,378
1986	239,744	63,200	77,805	98,739	1,409,284
1987	288,793	63,959	102,205	122,629	1,441,408
1988	336,894	68,682	121,656	146,556	1,492,527
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 January	31,565	5,634	11,478	14,453	103,597
February	31,014	6,044	11,388	13,632	114,326
March	35,814	7,362	13,071	15,381	150,967
April	38,350	8,014	13,838	16,498	128,474
May	37,767	8,242	13,886	15,639	120,786
June	39,268	9,236	14,3705	15,662	120,216
July	40,076	9,601	14,246	16,229	122,674
August	38,996	10,016	13,801	15,179	116,335
September	38,114	7,256	14,701	16,141	115,094
October	39,502	8,827	14,593	16,077	126,154
November	34,657	7,383	12,982	14,292	118,548
December	37,207	6,210	14,706	16,291	120,739
<b>1992 Total</b>	<b>442,330</b>	<b>93,825</b>	<b>163,060</b>	<b>185,474</b>	<b>1,457,810</b>

### Sumburgh Airport: Aircraft Movements

	Total	Fixed Wing	Helicopter
1982	23,412	10,070	13,342
1983	15,255	5,948	9,277
1984	16,805	5,806	10,989
1985	17,004	5,480	11,524
1986	15,968	5,621	10,347
1987	17,518	5,722	11,796
1988	20,679	6,635	14,044
1989	25,659	8,299	17,360
1990	30,898	11,150	19,748
1991	29,168	10,321	18,847
1992 January	1,946	617	1,329
February	1,961	711	1,250
March	2,252	847	1,405
April	2,333	835	1,498
May	2,185	821	1,364
June	2,287	913	1,374
July	2,388	975	1,413
August	2,301	1,123	1,382
September	2,437	1,010	1,427
October	2,723	1,292	1,431
November	2,257	888	1,369
December	2,342	888	1,454
<b>1992 Total</b>	<b>27,412</b>	<b>10,920</b>	<b>16,696</b>

### Sumburgh Airport



## Scatsta Airport Traffic

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

## Tingwall Airport Traffic

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

## Unst Airport Traffic: Passengers

	1984	1985	1986	1987	1989	1990	1991	1992
Fixed Wing	54,110	50,104	44,856	44,387	38,717	38,565	41,442	40,683
Helicopter	61,799	50,869	52,282	57,981	47,963	44,979	43,609	39,666
<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>

## Aircraft Movements

	1984	1985	1986	1987	1989	1990	1991	1992
Fixed Wing	2,338	2,158	2,052	2,566	1,674	1,592	1,674	2,108
Helicopter	5,426	4,610	6,540	7,963	5,868	5,724	5,474	4,526
<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>

## Small Airfield Traffic: Passengers

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

## Aircraft Movements

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

Source: Various local personnel. Some figures are estimates.

## 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.

### 72 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.
5 Marsh or Meadow	211.0 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.	28 Geological	711.0 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 15,784 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 — 14 sites	21%
Mainland and associated uninhabited islands — 40 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%	Gray Seal	4%
Arctic Skua (Aalin)	61%	Common Seal	28%
Arctic Tern (Tirrick)	40%	Otter	Not known but undoubtedly high
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.

## Social Provision & Services

### Cost of Living

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

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 (Occupied units: April each year)

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

\* 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
Primary Teachers	91	164	140	140	158	164
Secondary Teachers	88	142	178	189	193	195
Further Education Lecturers	2	9	18	18	19	25
<b>Total</b>	<b>181</b>	<b>315</b>	<b>336</b>	<b>347</b>	<b>370</b>	<b>384</b>

### Nursery Education

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

### Primary Education

Primary School Rolls as at January each year

	1971	1981	1990	1991	1992	1993
Baltasound Junior High	103	106	79	85	68	70
Mid Yell Junior High	56	65	47	48	49	48
Brae Junior High	44	171	136	139	141	144
Symbister House Junior High	125	146	120	125	117	123
Aith Junior High	67	52	61	61	54	51
Scalloway Junior High	120	150	123	117	113	118
Sandwick Junior High	44	96	76	69	80	80
Haroldswick Primary	38	21	27	25	22	28
Uyeasound Primary	21	16	8	9	11	15
Cullivoe Primary	21	24	20	18	16	15
Burravoe Primary	38	36	30	32	34	30
Fetlar Primary	14	15	8	7	13	11
North Roe Primary	17	23	19	20	20	23
Ollaberry Primary	18	16	34	36	34	34
Urafirh Primary	26	37	33	29	20	24
Mossbank Primary	16	136	77	70	73	68
Olafirh Primary	19	46	40	31	35	37
Lunnasting Primary	20	38	22	21	25	26
South Nesting Primary	16	26	18	11	14	16
Skerries Primary	16	11	8	9	8	7
Sandness Primary	6	15	14	13	13	10
Foula Primary	4	7	6	4	3	4
Papa Stour Primary	0	5	2	4	2	3

Table Contd.

## Primary Education (continued)

	1971	1981	1990	1991	1992	1993
Happyhansel Primary .....	43	48	58	57	54	54
Gruting Primary .....	12	9	0	0	0	0
Skeld Primary .....	13	36	11	14	11	12
Whiteness Primary .....	31	87	78	85	96	92
Burra Primary .....	16	0	0	0	0	0
Hamnavoe Primary .....	64	107	100	96	94	92
Gott Primary .....	41	52	54	50	43	34
Cunningsburgh Primary .....	56	57	51	50	60	57
Dunrossness Primary .....	123	209	152	146	156	144
Fair Isle Primary .....	3	11	10	8	7	5
Quarff Primary .....	17	23	23	15	14	10
Bressay Primary .....	24	20	29	28	24	23
Bell's Brae Primary .....	722	501	340	357	376	361
Sound Primary .....	0	292	358	354	360	352
<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>

## Secondary Education

### Secondary School Rolls as at January each year

	1971	1981	1990	1991	1992	1993
Anderson High .....	571	915	863	878	903	953
Baltasound Junior High .....	36	75	29	33	33	51
Mid Yell Junior High .....	43	48	44	44	38	47
Brae Junior High .....	47	164	211	211	204	207
Symbister House Junior High .....	36	62	41	45	50	54
Aith Junior High .....	35	61	65	61	77	76
Scalloway Junior High .....	72	132	187	179	160	157
Sandwick Junior High .....	55	121	140	144	145	149
Skerries School .....	2	5	3	2	5	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>

## Further Education

### Students Enrolled on Further Education Courses

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

### Student Enrollments, May 1992 - February 1993

Department of Nautical Studies		Department of Marine Engineering	
Deck officer (fishing vessel) class II . . . . .	10	Engineer officer (fishing vessel) class II . . . . .	30
Deck officer class V . . . . .	3	Basic welding . . . . .	14
SVQ in sea fishing . . . . .	14	Fork lift truck operator . . . . .	37
Basic sea survival . . . . .	69	Basic first aid at sea . . . . .	35
Basic fire fighting . . . . .	24	First aid at sea . . . . .	45
Boatman's licence . . . . .	41	Introduction to COSHH . . . . .	6
Electronic navigation systems . . . . .	9	<b>Aquaculture Department</b>	
Electronic navigation systems (fishing) . . . . .	7	Vocational course in aquaculture . . . . .	7
Restricted radiotelephony . . . . .	11	Part IV air diving first aid . . . . .	24
Restricted radiotelephony (VHF only) . . . . .	18	REHIS hygiene (elementary) . . . . .	134
Signals . . . . .	13	Management accounts . . . . .	7

**Total student enrollments** . . . . . 558

## Social Work

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

	1984-85	1990-91	1991-92	1992-93
No. of Eventide Home Beds* . . . . .	60	70	70	67
No. of beds in Hostel for Mentally Handicapped . . . . .	6	16	16	16
No. of beds in Children's Home . . . . .	10	10	11	11
No. of beds for Mentally/Physically Handicapped Children — Respite Care . . . . .	0	0	6	6
No. of Sheltered Housing Schemes . . . . .	36	37	37	39
No. of Sheltered Houses . . . . .	257	288	291	300
No. of Laundries . . . . .	4	6	6	6
No. of Meals on Wheels Schemes . . . . .	25	25	27	25
No. of Luncheon Clubs . . . . .	3	3	3	3
No. of Meals Delivered . . . . .	45,107	54,800	57,400	56,000
No. of Home Helps . . . . .	320	315	291	336
No. of Home Help Clients . . . . .	584	576	498	652
No. of Homes Connected to Community Alarm System . . . . .	0	482	511	583

\* 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 one centre in Whalsay which offers 10 bed spaces and 10 day care places per week. There are three centres planned — in the North, South and West Mainland.

## Health Board

In Shetland the Health Board is responsible for all personal health services whether in hospital or in the community. As it is a small area, the Board maintains close links with the Grampian Health Board, which provides many specialist services to the population of Shetland.

### Expenditure

Revenue	1988-89 £	1989-90 £	1990-91 £
Board Administration .....	564,341	735,599	891,053
Hospital Running Costs			
(a) Pay .....	3,066,099	3,295,973	3,612,771
(b) Supplies & Services .....	1,074,422	1,053,894	1,194,376
(c) Other Expenditure (Labs, etc.) .....	263,874	309,018	263,349
Total .....	4,404,395	4,658,885	5,070,496
Less direct credits .....	73,075	72,295	79,599
Total Running Costs .....	4,331,320	4,586,590	4,990,897
Community Services (School & Pre-school care, domiciliary services, health education, etc.) ...	1,297,667	1,419,206	1,240,130
Associated services - (travelling expenses, local health council) .....	43,250	43,946	48,949
Primary Care			
(a) Medical Services .....	986,035	1,082,656	1,267,104
(b) Pharmaceutical Services .....	943,938	1,018,562	1,006,494
(c) Dental Services .....	170,500	151,191	143,471
(d) Ophthalmic Services .....	101,886	54,708	63,401
Total Primary Care Costs .....	2,202,359	2,307,117	2,480,470
<b>Total Revenue Expenditure</b>	<b>8,438,937</b>	<b>9,092,458</b>	<b>9,651,499</b>

## Hospitals

Name	Type	Average % Occupancy of Beds							
		1985	1986	1987	1989	1990	1991	1992	
New Gilbert Bain	Acute & Maternity	64	64	67	61	60	58	67	
Montfield	Long Stay	96	98	98	97	100	97	96	

### Staff

	1985	1986	1987	1989	1990	1991	1992
Number of General Practitioners	19	19	19	19	19	19	19
Number of Nursing Staff: Full Time	164	163	157	155	168	152	152
Part Time	90	109	88	108	101	105	105
Number of Doctors	5	5	5	5	5	5	5

### New Gilbert Bain Hospital

	1985	1986	1987	1989	1990	1991	1992
Number of Casualties	2,785	2,793	5,517	6,804	7,142	7,668	7,212
Number of Out-Patients	24,281	24,221	21,163	23,492	25,397	25,130	19,282
Number of In-Patients	2,106	2,302	2,630	2,829	2,850	2,906	2,861

## 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
64	76	62	94	91	82	88	104	115

### Statistics for 1992

Persons assisted .....	339
Persons rescued .....	59
Lives lost/bodies recovered .....	6
MEDEVACS .....	14
MEDICOS .....	28
Vessels taking water or sinking .....	7
Vessels requiring tow or escort .....	21
Cliff incidents .....	1
Miscellaneous incidents .....	20
Coastguard helicopter R117 scrambled by Shetland Coastguard .	51
Coastguard Auxiliaries called out .....	39
Lerwick lifeboat launched on service .....	10
Aith lifeboat launched on service .....	4

### Coastguard Helicopter (Sumburgh) Missions carried out

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

### Mission Statistics for 1992

MEDEVACS .....	19
Vessels sinking .....	3
Vessels aground or adrift .....	8
Vessels afire or missing .....	5
Man overboard .....	0
Assistance to oil installations .....	8
Missing persons .....	3
Diving casualties .....	1
Pleasure craft .....	1
Aircraft .....	7
Flares .....	2
Emergency transmissions .....	15

## Crime

The Shetland Sub-Division of the Northern Constabulary is run by the Northern Joint Police Committee, administered by Highland Regional Council. The 1992/93 requisition from the Shetland Islands Council was £1,001,800.

### Number of Police Stations in Shetland 1992

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 Sub-Divisional Headquarters: 1 (Lerwick)

### Police Manpower

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

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

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

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 1992 the Northern Constabulary Shetland Sub-Division achieved a crime detection rate of 85.9% compared with 88.9% in 1991.

The detection rate in respect of crimes as detailed in groups 1-5 above was 51.8% in 1992.

## 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 £744,761.

### Number of Fire Units in Shetland, 1992

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

## Postal Services

### Employees, Post Office

	1990		1991		1992	
	Royal Mail Delivery	PO Counter Ltd	Royal Mail Delivery	PO Counter Ltd	Royal Mail Delivery	PO Counter Ltd
Full Time Staff	45	8	41	7	41	6
Part Time Staff	21	—	26	1	26	2
Sub Postmasters	—	(FT) 30 (PT) 23	—	(FT) 29 (PT) 23	—	(FT) 26 (PT) 26
Ancillary Staff	9	—	8	—	6	—
<b>Total</b>	<b>75</b>	<b>61</b>	<b>75</b>	<b>60</b>	<b>73</b>	<b>60</b>

## No. of Letters Posted Weekly

1972	1977	1981	1986	1987	1989	1990	1991	1992
49,866	52,602	69,400	56,000	69,271	65,582	64,095	67,317	67,542

## 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	1990-91	1991-1992	1992-93
Units Generated (kilowatt hours)	32,319,000	177,551,775	162,753,519	170,023,850	190,675,000
Maximum demand (megawatts)	11.69	36.1	37.8	41.2	40.3

Source: Lerwick Generating Station

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

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

\* 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

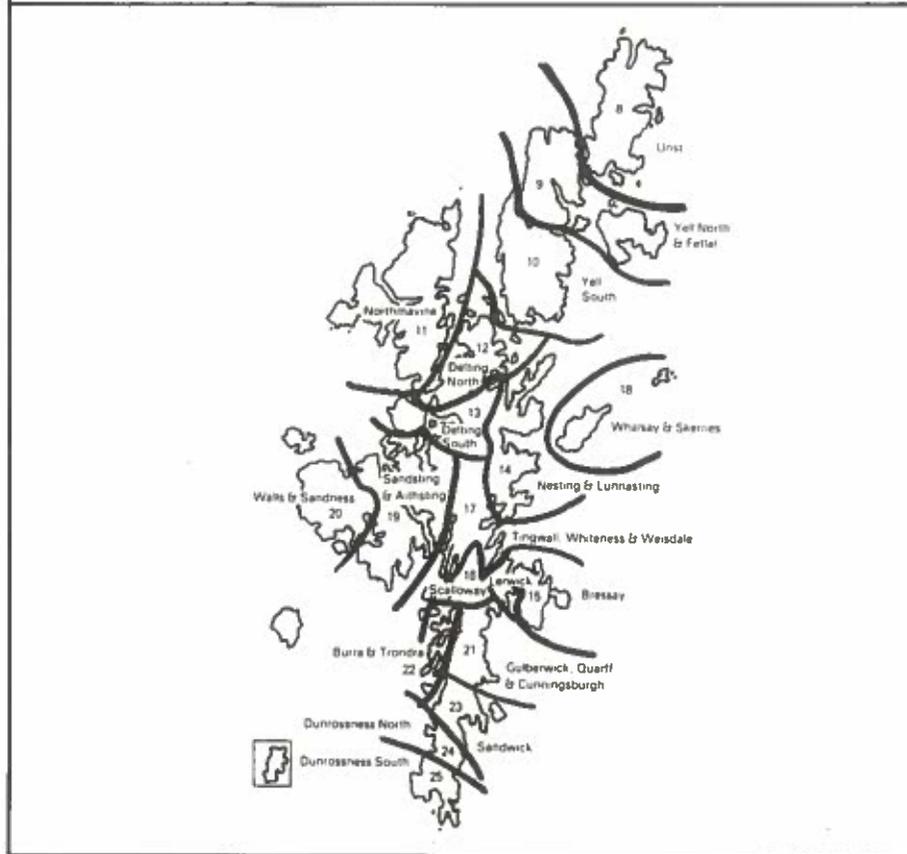
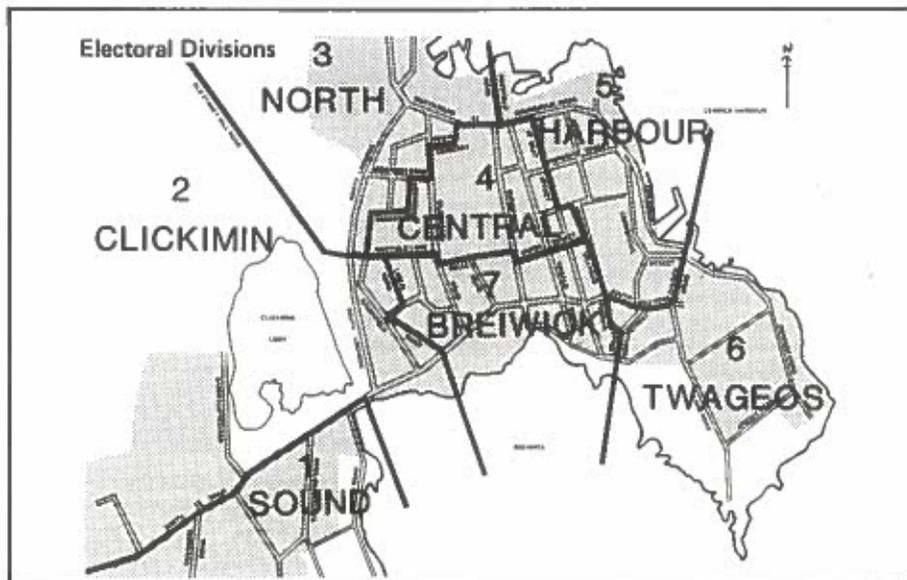
Referendum: In view of the proposals for devolution for Scotland, do you agree that the Shetland Islands Council should continue to press for Shetland's position to be considered through the establishment of a commission as proposed by Mr Grimond?

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 1990 to May 1994)

Ward	Councillor
1. Lerwick Sound	<b>John J. Graham</b> , 10 Reform Lane, Lerwick, ZE1 0DJ. (Shetland Movement) (Electorate 957. 308 votes; 37% poll; 88% of total votes cast)
2. Lerwick Clickimin	<b>Robert L. Johnson</b> , 11 Andrewstown Brae, Lerwick. (Electorate 807. 122 votes; 41% poll; 37% of total votes cast)
3. Lerwick North	<b>Leonard G. Groat</b> , 10 Voder View, Lerwick, ZE1 0QE. (Labour) (Electorate 1007. Returned unopposed)
4. Lerwick Central	<b>William A. Smith</b> , 14 Bruce Crescent, Lerwick, ZE1 0PB. (Labour) (Electorate 629. 184 votes; 44% poll; 66% of total votes cast)
5. Lerwick Harbour	<b>Edward Thomason</b> , 14 Mounthooly Place, Lerwick, ZE1 0BL. (Shetland Movement) (Electorate 576. Returned unopposed)
6. Lerwick Twageos	<b>Lewis S. Smith</b> , 1 Greenrig, Lerwick. (Electorate 664. 179 votes; 62% poll; 44% of total votes cast)
7. Lerwick Breiwick	<b>Cecil B. Eunson</b> , 68 Breiwick Road, Lerwick, ZE1 0DE. (Electorate 619. 241 votes; 49% poll; 80% of total votes cast)
8. Unst	<b>Mrs Joan Easten</b> , 27 Hamarsgarth, Mossbank. (Electorate 664. 200 votes; 46% poll; 65% of total votes cast)
9. Yell North & Fetlar	<b>Andrew W. Williamson</b> , 11 Queens Place, Lerwick. (Shetland Movement) (Electorate 314. 86 votes; 75% poll; 37% of total votes cast)
10. Yell South	<b>Peter N. Guy</b> , The Old Manse, Burravoe, Yell. (Electorate 586. 208 votes; 50% poll; 70% of total votes cast)
11. Northmavine	<b>William H. Manson</b> , Mangaster, Sullom. (Electorate 575. 207 votes; 58% poll; 62% of total votes cast)
12. Delting North	<b>Miss Andrea Manson</b> , Greystones, Brae, ZE2 9QS. (Electorate 923. Returned unopposed)
13. Delting South	<b>Mrs Mary U. Colligan</b> , Venndal, Voe. (Electorate 417. Elected Unopposed)
14. Nesting & Lunnasting	<b>Mrs Greta M. McElvogue</b> , North House, Sweening, Vidlin. (Electorate 382. Elected unopposed)
15. Bressay	<b>James C. Irvine</b> , 20 Twageos Road, Lerwick, ZE1 0BB. (Electorate 251. Returned unopposed)
16. Scalloway	<b>William A. Anderson</b> , The Sea Chest, East Voe, Scalloway, ZE1 0US. (Shetland Movement) (Electorate 779. 183 votes; 36% poll; 66% of total votes cast)
17. Tingwall, Whiteness & Weisdale	Vacant

Ward	Councillor
18. Whalsay & Skerries	Mrs Hazel Mary Simpson, Brucefield, Whalsay. (Electorate 837. Elected unopposed)
19. Sandsting & Aithsting	Mrs Florence B. Grains, Hoove, Whiteness, ZE2 9LL. (Electorate 626. Returned unopposed)
20. Walls & Sandness	James R. Gear, Magdala, Foula. (Electorate 538. Elected unopposed)
21. Gulberwick, Quarff & Cunningsburgh	Mrs Joan McLeod, 2 Dandiegarth, Cunningsburgh, ZE2 9JP. (Electorate 715. Returned unopposed)
22. Burra & Trondra	George W. Pottinger, Islesview, Hamnavoe, Burra Isle. (Electorate 688. 213 votes; 56% poll; 55% of total votes cast)
23. Sandwick	James L. B. Smith, Bakkabrent, Sandwick, ZE2 9HP. (Shetland Movement) (Electorate 614. Returned unopposed)
24. Dunrossness North	William Tait, Bonavista, East Ireland, Bigton, ZE2 9JA. (Electorate 386. Returned unopposed)
25. Dunrossness South	Magnus L. Flaws, Westvoe, Virkie, ZE3 9JN. (Shetland Movement) (Electorate 633. 228 votes; 45% poll; 80% 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	Quendale House, 31 Commercial St, Lerwick, ZE1 0AN
Roads & Transport	Joe Gray	Grantfield, Lerwick, ZE1 0NT
Design & Technical Services	Alastair Inkster	Hayfield House, Hayfield Lane, Lerwick, ZE1 0QD
Education	Jim Halcrow	Brentham House, Harbour Street, Lerwick, ZE1 0LR
Environmental Services	Martin R. Hall	3 Commercial Road, Lerwick, ZE1 0LX
Finance	Andrew Matthews	Breiwick House, 15 South Road, Lerwick, ZE1 0RB
Housing	Marjorie Bain	Fort Road, Lerwick, ZE1 0LR
Leisure & Recreation	John P. Nicolson	Hillhead, Lerwick, ZE1 0EJ
Planning	James A. Anderson	3 Mounthooly Street, Lerwick
Marine Operations	George Sutherland	Port Administration Buildings, Sella Ness, Sullom Voe, ZE2 9QR
Development	Jack Burgess	93 St Olaf Street, Lerwick, ZE1 0ES
Social Work	Bill Bennett	92 St Olaf Street, Lerwick, ZE1 0ES

Telephone: All Departments Lerwick (0595) 3535 except Roads and Transport, Lerwick 2024, IT Section of Commercial Services, Lerwick 6797, and Marine Operations, Sullom Voe (0806) 242551.

## Shetland Islands Council Finance

### Revenue and Capital Expenditure

	1992/93		1993/94	
	(Net) Revenue Expenditure £000	Capital Expenditure £000	(Net) Revenue Expenditure £000	Capital Expenditure £000
Development	2,856	2,259	4,888	2,402
Leisure & Recreation	3,704	788	6,529	1,938
Education	22,423	5,939	27,558	5,404
General Services:				
Cleaving	922	44	3,323	852
Sewerage	—	4,066	—	7,046
Other	2,691	865	3,126	700
Housing Revenue	405	4,466	—	3,683
Other Housing	2,724	1,354	2,858	1,890
Ports & Harbours	—	89	—	4,896
Policy & Resources:				
Police & Fire	1,870	—	1,948	—
Capital Fund	-9,280	—	-26,633	—
Housing Capital Fund	—	—	—	—
Sullom Voe Terminal	-9,665	—	-8,977	—
Unallocated Reserve:				
Fund Contributions	—	—	—	—
Repairs & Renewals Fund	15	—	—	—
Other	4,415	866	2,480	4,445
Roads & Transport:				
Roads	11,631	5,333	10,677	4,107
Ferries	5,037	1,616	6,320	1,795
Other Transport	1,242	4,601	1,119	1,586
Social Work	5,660	320	6,285	258
Water	—	1,426	—	1,516
Contingency Reserve	3,816	—	2,575	—
<b>Total</b>	<b>50,466</b>	<b>34,032</b>	<b>44,076</b>	<b>42,418</b>

### Source of Finance for Revenue Expenditure

	1992/93 £000	1993/94 £000
Community Charge Grant	—	—
Community Charge	13	—
Non-Domestic Rates	19,796	5,232
Revenue Support Grant	27,377	36,221
Interest on Revenue	—	—
Balances	1,116	359
Council Tax	—	2,264
<b>Total</b>	<b>50,446</b>	<b>44,076</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

	1990/91 £	1991/92 £	1992/93 £
<b>Non-Domestic Rates*</b>			
General	0.37	0.386	0.402
Water	0.053	0.104	0.106
Sewerage	0.101	0.076	0.086
<b>Total</b>	<b>0.524</b>	<b>0.566</b>	<b>0.594</b>
<b>Total Non-Domestic R/V</b>	<b>52,286,640</b>	<b>48,947,000</b>	<b>49,245,000</b>
<b>Community Charge**</b>			
General	71.46	0.78	129.21
Water	40.04	44.07	46.00
Sewerage	15.80	0.15	25.79
<b>Total</b>	<b>127.30</b>	<b>45.005</b>	<b>201.00</b>

\* Rate per £. \*\* Charge per person. † Govt. Rebate £140.00.

## Council Tax 1993/94

Band	General Fund Element	Sewerage Account Element	Total Council Tax	Water Charge Element	Total Charge
A (£0 to £27,000)	221.05	44.23	265.28	70.70	335.98
B (£27,001 to £35,000)	257.90	51.60	309.50	82.48	391.98
C (£35,001 to £45,000)	294.74	58.97	353.71	94.27	447.98
D (£45,001 to £58,000)	331.58	66.34	397.92	106.05	503.97
E (£58,001 to £80,000)	405.26	81.08	486.34	129.62	615.96
F (£80,001 to £106,000)	478.95	95.82	574.77	153.18	727.95
G (£106,001 to £212,000)	552.63	110.57	663.20	176.75	839.95
H (Over £212,000)	663.16	132.68	795.84	212.10	1007.9

## 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 Marshall, 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	Bus. 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>Whitnass, Weisdale &amp; Tingwall</b>	Mrs B. Nicolson, Kaitrins, Hellister, Weisdale	72 330
<b>Yell</b>	D. R. A. Rushton, Stonganess, Cullivoe, Yell	095 784 234

Association of Shetland Community Councils: Secretary and Treasurer J. C. Irvine, Shetland Council of Social Service, Brentham House, 5 Harbour Street, Lerwick, ZE1 0LR. Lerwick 3816.

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
Graham, John J.	Strife in the Valley	9.00
Jamieson, D.	Memory Be Green (Fetlar)	3.90
Linklater, E.	Orkney and Shetland	9.95
Mitchell, W. R.	It's A Long Way To Muckle Flugga	12.95
Nicolson, J. R.	Traditional Life in Shetland	7.95
Powell, M.	Edge of the World, the Making of a Film (Foula)	6.99
Schei, L. K. & Moberg, G.	The Shetland Story	12.99
Shetland Times	A Picture Guide to Shetland	4.95

### Economy & History

Anderson, Peter D.	Black Patie — Earl Patrick Stewart	22.00
Close-Brooks, J.	St. Ninian's Isle Treasure	1.00
Cohen, A. P.	Whalsay: Symbol, Segment and Boundary in a Shetland Island Community	22.50
Coull, J. R. (Ed)	The County of Shetland (Third Statistical Account of Scotland)	22.50
Donaldson, G.	Court Book of Shetland 1615-1629	8.50
Durham, J. R.	Night and Day: Recollections of an Island Doctor	4.80
Flinn, D.	Travellers in a Bygone Shetland	9.95
Fojut, N.	A Guide to Prehistoric and Viking Shetland	4.20
Graham, L. & Smith, B. (Ed.)	MacDairmid in Shetland	7.95
Gray, J.	Lowrie (A Shetland Crofter)	5.95
Howarth, D.	The Shetland Bus	3.99
Hudson, Norman	Souvenir Postcards from Shetland — Shetland in Picture Postcards	14.95
Irvine, J. W.	Lerwick, the Birth and Growth of an Island Town	12.00
Irvine, J. W.	The Waves Are Free. Shetland Norway links 1940-45	8.10
Irvine, J. W.	Up-Helly-Aa, A Century of Festival	5.00
Leith, George	A Lerwick Lifeboatman's Story	12.50
Manson, Thomas	Lerwick During the Last Half Century (1867-1917)	21.00
Nicolson, J. R.	Hay and Co., Merchants in Shetland	7.95
Nicolson, J. R.	Lerwick Harbour	7.50
Nicolson, J. R.	Traditional Life in Shetland	7.95
Osler, A. G.	The Shetland Boat	5.00
Peterson, J. P.	The History of Shetland Football 1887-1987	11.95
Ritchie, A.	Orkney and Shetland: Exploring Scotland's Heritage	6.95
Robson, A.	Saga of a Ship (Earl of Zetland)	12.00
Shetland Sub Aqua Club	Shetland Shipwrecks	2.00
Smith, B. (Ed.)	Shetland Archaeology	15.00

Somner, G.	From 70 North to 70 South (History of the Salvesen Fleet)	4.95
Spence, J. C.	Inga's Story (Growing up in Shetland a Century Ago)	3.60
Tudor, J. R. (Facsimile)	The Orkneys and Shetland	28.00

### Natural Environment & Wildlife

Dymond, J.	The Birds of Fair Isle	11.95
Gosling, A. (Ed)	A Century of Shetlands 1890-1990	12.00
Guy, P.	Walking the Coastline of Shetland, The Island of Yell	2.00
Guy, P.	Walking the Coastline of Shetland, No. 2 (Unst)	3.00
Guy, P.	Walking the Coastline of Shetland, No. 3 (Fetlar)	3.00
Guy, P.	Walking the Coastline of Shetland, No. 4 (Northmavine)	4.00
Hodgson, A.	Shetland Ponies	16.95
Malcolm, D.	Shetland's Wild Flowers	6.95
Miles, Hugh	Track of the Wild Otter	9.95
Scott, W. & Palmer, R.	Flowering Plants of the Shetland Islands	21.00
Thom, V.	Fair Isle, An Island Saga	12.95
Tulloch, B.	Bobby Tulloch's Shetland	9.99
Tulloch, B.	Migrations — Travels of a Naturalist	17.99
Tulloch, B.	A Guide to Shetland's Breeding Birds	9.95

### Folklore, Language and Music

Anderson, T.	Ringin' Strings	3.60
Anderson, T.	Gies an A'	6.00
Anderson, T. & Swing, P.	Hand Me Doon Da Fiddle	7.50
Cook, P.	The Fiddle Tradition of the Shetland Isles	35.00
Graham, J. J. & Tait, J.	The Shetland Folk Book, Volume 8	5.00
Jamieson, F. & R.	Levenep Head	6.00
Jamieson, F. & R.	Vidlin Voe	7.50
Nicolson, J. R.	Shetland Folklore	8.75
Robertson, T. A. & Graham, J.	Grammar and Usage of the Shetland Dialect	6.95
Simmons, J.	A Shetland Cookbook	4.80

### Knitting

Allen, John	Fabulous Fair Isle	16.00
Dawson, P.	Traditional Island Knitting	8.95
McGregor, S.	The Complete Book of Traditional Fair Isle Knitting	8.95
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	3.60

### Books For Children

Fidler, K.	Haki the Shetland Pony	1.95
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	3.00
SIC (Leisure & Recreation)	Shetland Community Directory	2.00
Shetland Islands Tourism	The Shetland Guide Book	2.50
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	2.50
Tourist Map Shetland and Orkney	2.25
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)	

## The Shetland Economic Survey 1987/88

This report was produced by Prof. McNicoll of the Fraser Allander Institute. It consists of the following Reports for 1987/88:

1. The 1987 Shetland Social Accounting Matrix
2. Shetland Regional Accounts
3. The Fisheries Sector
4. The Oil Sector
5. The Agricultural Sector
6. The Knitwear Industry
7. The Visitor Trade
8. Contribution of Government to the Shetland Economy
9. Shetland Household Expenditure Survey

Photocopies are available from the Development Department, Shetland Islands Council, 93 St Olaf Street, Lerwick, Shetland, ZE1 0ES, at a cost of £10.00 for the entire Study or £1.50 for individual Reports.

## 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	$C = \frac{5(F-32)}{9}$