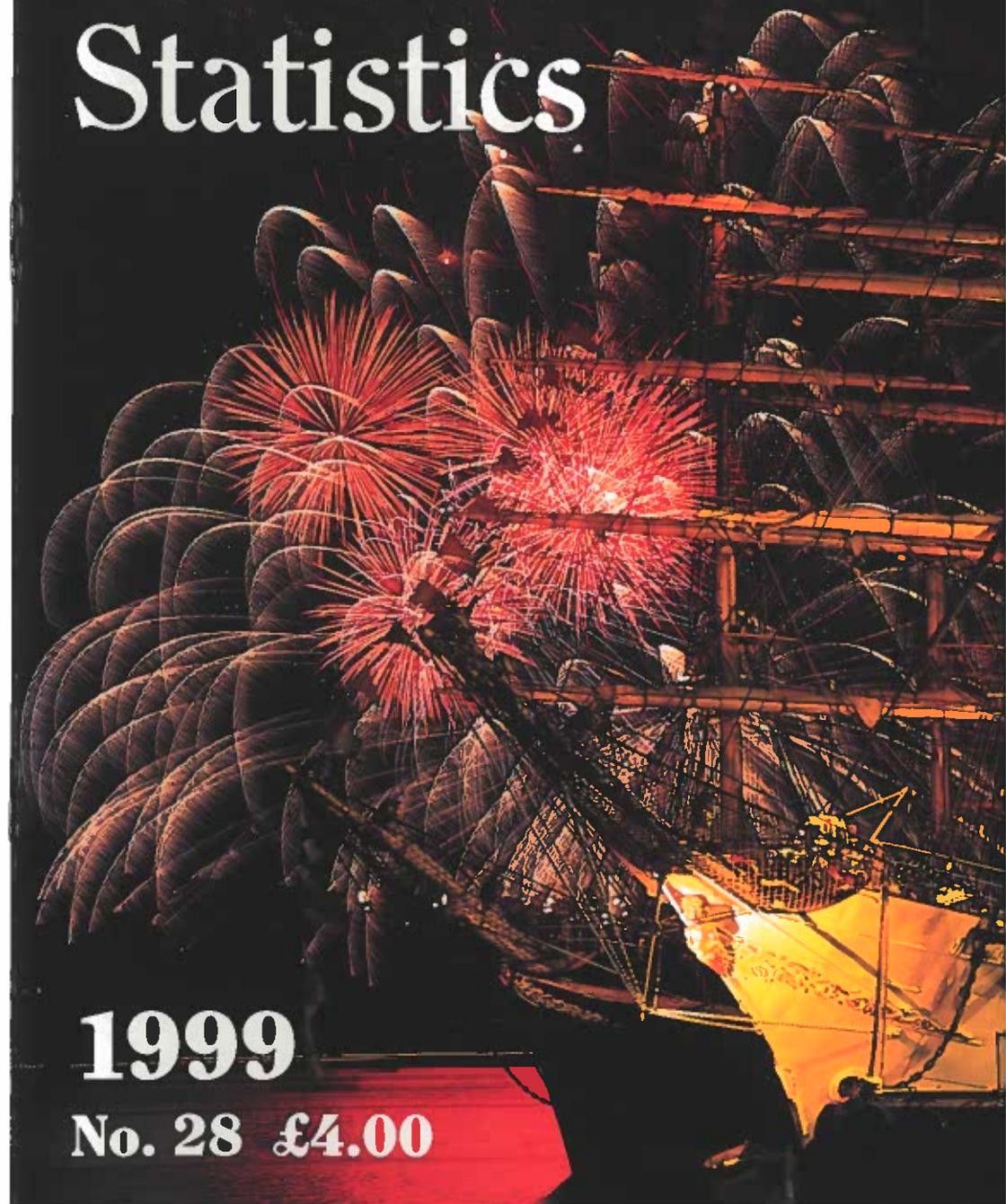




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Shetland in Statistics



1999

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Shetland in Statistics



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Cover photograph:
1999 Cutty Sark Tall Ships' Races, Lerwick

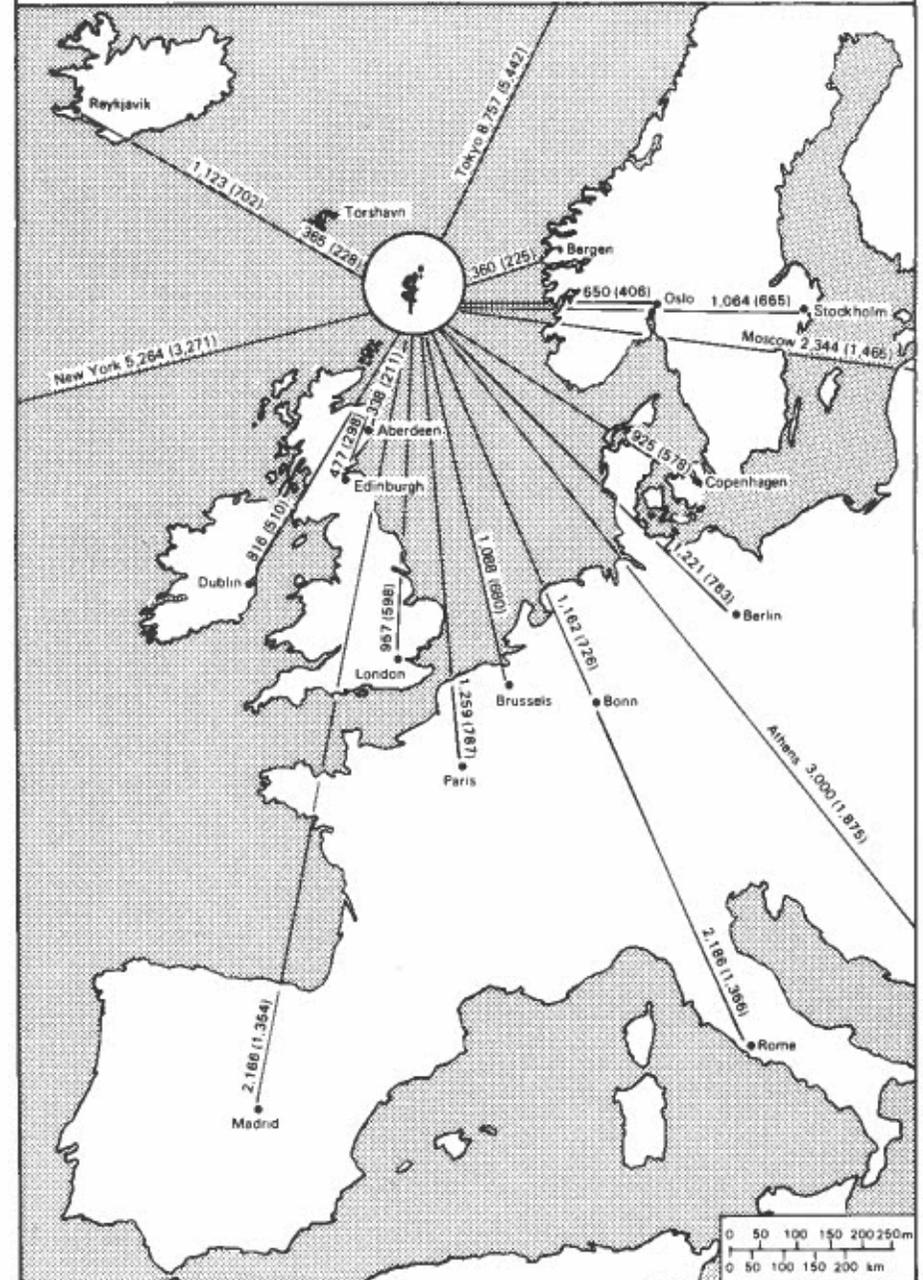
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Shetland: Location

Lerwick is Lat 60°09' N
Lon 01°09' W

Approximate distances from Shetland
in kilometres (statute miles)



Shetland: Physical Characteristics

Distance by road in kilometres (miles) from Lerwick:

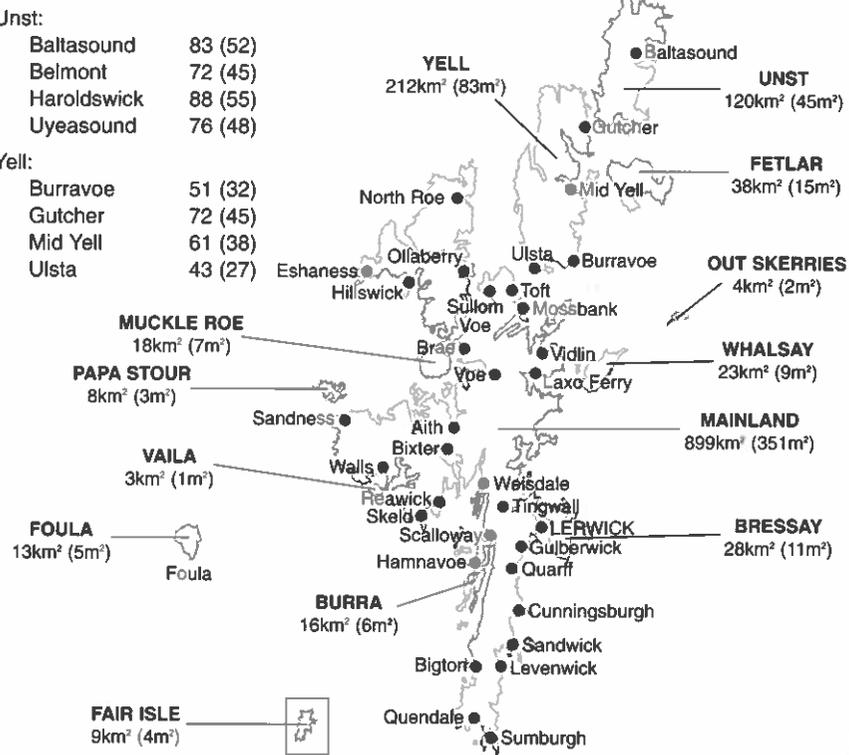
Aith	34 (21)	Laxo Ferry	35 (22)	Scalloway	13 (8)
Bigton	30 (19)	Levenwick	28 (18)	Skeld	40 (25)
Bixter	27 (17)	Mossbank	43 (27)	Sullom Voe	46 (29)
Brae	35 (22)	North Roe	61 (38)	Sumburgh	40 (25)
Cunningsburgh	18 (11)	Ollaberry	53 (33)	Tingwall	10 (6)
Eshaness	62 (39)	Quarff	11 (7)	Toft Ferry	43 (27)
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)
Ulsta	43 (27)



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

* Ordnance Survey, 1988

** Prof. D. Flinn, 1975 estimate

Number of islands: 100+

Number of inhabited islands: 15

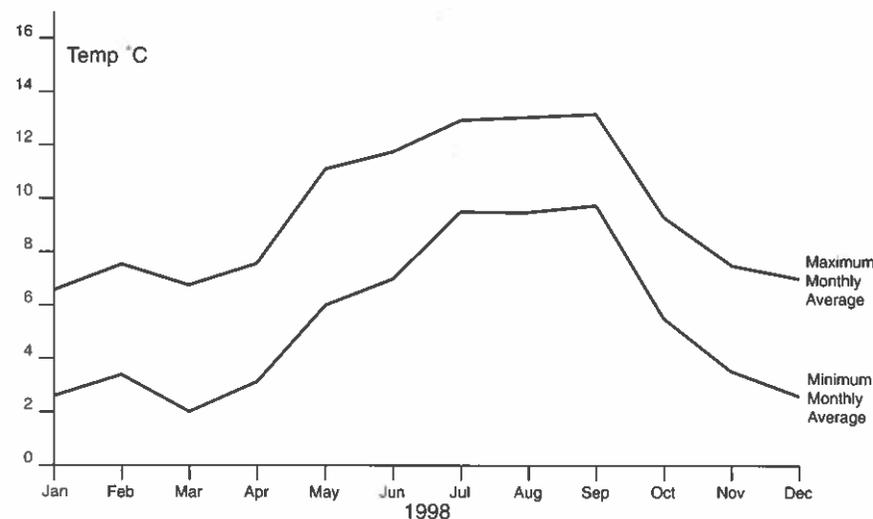
Weather

Observations are recorded in Shetland by staff employed by the Meteorological Office in Lerwick and Sella Ness. There are also official Auxiliary Synoptic Reporting Stations in Fair Isle and Foula. Observations from the Lerwick Observatory began in 1921, although the first full year of recordings was not until 1922. (Lerwick Observatory: 60°08'N, 01°11'W. Wind vane 93m above sea level). The recorded meteorological observations from Lerwick Observatory for 1998 are as follows:

Temperature (degrees C)

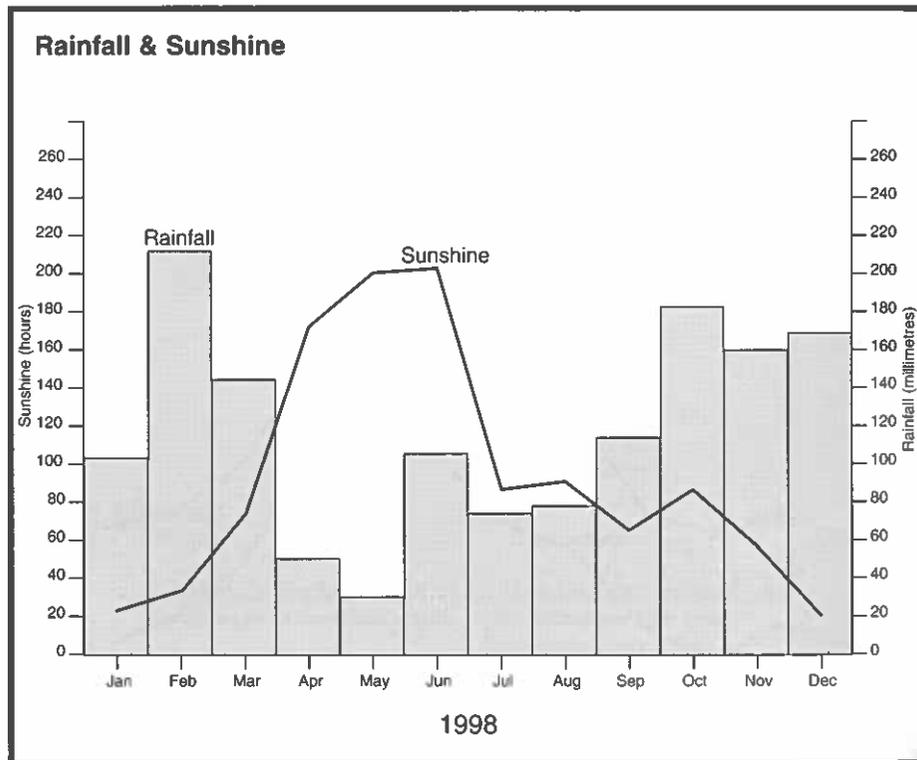
Month	1998		Mean (1961-1990)		Extreme Daily Values (1922-1998)	
	Monthly Average		Max.	Min.	Max. (Year)	Min. (Year)
Jan	6.5	2.5	5.3	1.2	11.7 ('32,'50,'98)	-8.9 ('52,'59)
Feb	7.5	3.3	5.1	1.1	11.7 ('45)	-7.3 ('80)
Mar	6.6	1.9	6.0	1.6	13.3 ('61)	-8.3 ('47)
Apr	7.6	3.1	7.7	2.7	16.1 ('42)	-5.7 ('68)
May	11.1	6.0	10.0	5.2	20.7 ('92)	-2.8 ('23)
Jun	11.8	6.9	12.5	7.5	23.3 ('58)	-0.6 ('24,'29,'31,'51)
Jul	12.8	9.6	13.7	9.1	23.4 ('91)	3.3 ('21)
Aug	12.9	9.5	14.1	9.5	21.5 ('82)	1.7 ('21)
Sep	13.1	9.8	12.3	8.0	19.4 ('53)	-0.6 ('54)
Oct	9.3	5.5	10.2	6.3	17.2 ('55)	-3.3 ('48)
Nov	7.4	3.4	7.2	3.1	13.9 ('46)	-5.7 ('62)
Dec	7.0	2.6	6.0	1.8	12.2 ('48)	-8.2 ('61)
Year	9.5	5.3	9.2	4.8		

Temperature



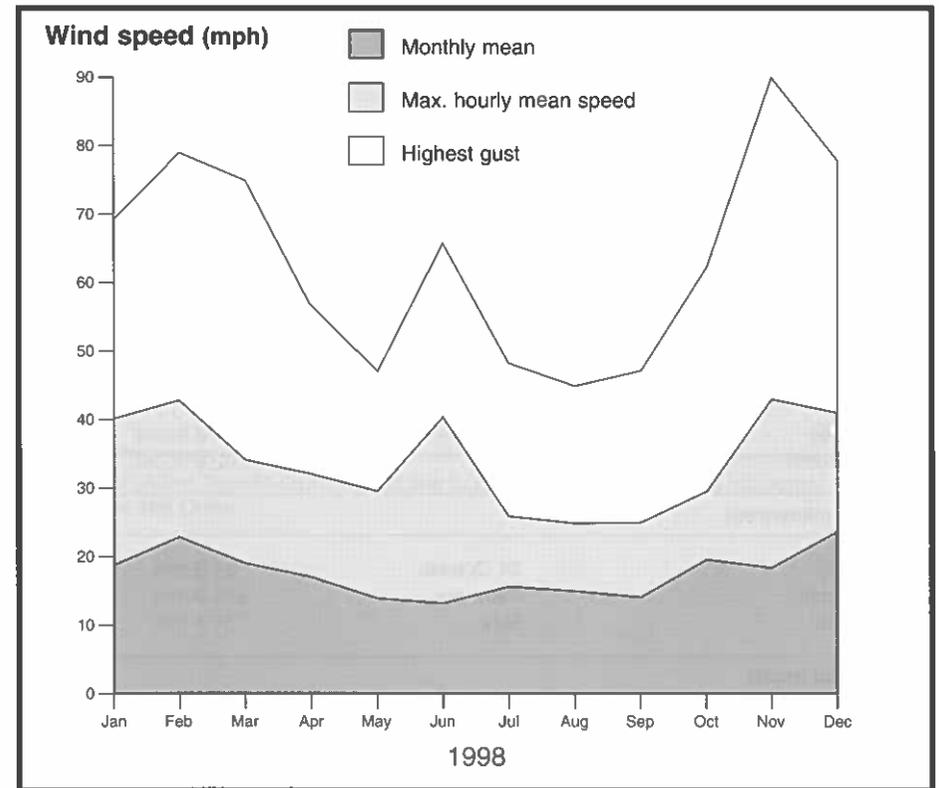
Sunshine and Rainfall (Monthly Totals)

	Sunshine (hours)			Rainfall (millimetres)		
	Mean		Extreme	Mean		Extreme
	1998	(1961-1990)	daily values (1922-1998)	1998	(1961-1990)	daily values (1922-1998)
Jan	22.1	22.0	6.6 ('39)	105.3	133.0	39 ('27)
Feb	33.9	52.5	9.8 ('40)	214.9	93.0	44 ('26)
Mar	74.4	85.3	11.6 ('64)	144.8	115.0	40 ('52)
Apr	170.3	132.4	14.8 ('26)	50.8	73.0	34 ('40)
May	199.6	147.1	16.2 ('40,'57,'80)	31.4	62.0	50 ('66)
Jun	202.8	150.9	17.4 ('34)	105.0	62.0	37 ('81)
Jul	82.8	123.3	16.6 ('35)	75.9	64.0	86 ('35)
Aug	86.4	124.0	15.1 ('38)	79.3	77.0	47 ('94)
Sep	63.1	94.4	12.6 ('43)	116.5	118.0	47 ('54)
Oct	84.4	60.5	10.1 ('37)	182.3	136.0	59 ('81)
Nov	57.7	31.2	6.8 ('67)	160.7	143.0	66 ('49)
Dec	20.5	13.4	5.1 ('57)	170.0	144.0	68 ('95)
Year	1098.0	1037.0		1436.9	1220.0	



Wind Speed (mph)

	Monthly mean 1998	Maximum hourly mean speed 1998	Speed Year (1922-1998)		Highest gust Speed Year (1922-1998)	
			Speed	Year	Speed	Year
Jan	18.6	40.0	73.7	'61	68	109.4 '61,'92
Feb	23.8	42.8	64.5	'81	79	95.6 '43,'57
Mar	19.3	34.4	61.0	'67	75	88.7 '67
Apr	17.8	32.3	63.3	'57	57	89.8 '57
May	14.6	29.7	50.7	'82	47	74.9 '82
Jun	14.2	40.2	48.4	'55	66	70.2 '55
Jul	15.4	26.4	46.1	'40	48	70.2 '64
Aug	15.0	25.1	57.6	'23	45	81.8 '23
Sep	14.6	25.3	67.9	'78	47	100.2 '63
Oct	19.5	29.4	66.8	'65	62	103.6 '80
Nov	18.3	43.8	58.7	'73	90	92.1 '36,'38
Dec	23.9	41.3	66.8	'49	78	103.6 '56



Climatic Conditions 1998 (days)

	Snow or Sleet	Air Frost	Thunder	Gales	Fog	Rain
Jan	7	5	0	8	0	26
Feb	9	3	3	15	3	28
Mar	11	10	1	8	3	28
Apr	10	7	0	1	1	19
May	0	0	0	0	0	17
Jun	0	0	1	1	4	21
Jul	0	0	0	0	1	21
Aug	0	0	0	0	3	23
Sep	0	0	0	0	5	23
Oct	2	0	1	4	0	26
Nov	5	4	0	5	1	28
Dec	8	7	2	13	0	29
Total	52	36	8	55	21	289

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 39.2 mph (34 knots) for at least 10 minutes.

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

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

Extreme Values 1998

Temperature (deg. C.)

Max. Temp.	21 September	18.8°C
Min. Temp.	1 March	-6.0°C

Sunshine (hours)

Sunniest Day	15 June	17.3 hours
Sunniest Month	June	202.8 hours

Rainfall (millimetres)

Wettest Day	24 October	34.9 mm
Wettest Month	February	214.9 mm
Driest Month	May	31.4 mm

Wind Speed (mph)

Highest Gust	9 November	90 mph
Windiest Month	December	23.9 mph

Ozone

Lerwick is one of only two stations in the UK where measurements of ozone are made, the other being Camborne in Cornwall. These stations are part of the Met Office's UK Upper Air Observing Network. Ground based Dobson Spectrophotometers are used daily to measure total ozone, the largest part of which exists in the stratospheric ozone layer (at a height of 8-30 km). At Lerwick ozone concentration profiles are also measured using balloon borne ozonesondes.

Total ozone levels are at their peak in the late winter and early spring. However, it is also at this time when man-made substances can lead to enhanced ozone depletion in the stratosphere. It is difficult to quantify these losses precisely since levels vary naturally by large amounts.

Stratospheric ozone acts as a shield by absorbing potentially harmful ultraviolet (UV) radiation which would otherwise reach the earth's surface. (It should not be confused with tropospheric ozone. Part of this is a pollutant formed in the lower atmosphere (troposphere) by the action of sunlight on other compounds such as those from car exhausts.)

High quality measurements over the last 20 years suggest a long term rate of decrease in total ozone over the UK of between 5-6% per decade. This is consistent with findings for other stations at similar latitudes in the northern hemisphere.

Ozone Values (Dobson Units)

	Monthly Mean 1998	Lowest Daily Value 1998	Highest Daily Value 1998	Monthly Mean (1981-1997)
Jan	297.6	235	385	332.3
Feb	348.3	292	487	359.1
Mar	375.4	265	486	383.8
Apr	435.0	364	478	385.1
May	385.2	322	468	375.6
Jun	374.1	334	410	357.6
Jul	359.2	311	392	341.3
Aug	336.2	299	368	321.3
Sep	292.6	238	358	299.8
Oct	280.6	217	372	287.2
Nov	278.1	205	316	279.4
Dec*	(308.0)	(240)	(405)	(305.9)

* December values have to be estimated due to low elevation of the sun in mid-winter.

Source: The Met Office

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.

Population Breakdown by Age and Sex

Age group	1971			1981			1991			1998			
	M	F	Total	M	F	Total	M	F	Total	M	F	Total	
0-4	710	680	1,390	888	890	1,778	830	797	1,627	779	717	1,496	
5-9	715	680	1,395	901	881	1,782	815	743	1,558	873	876	1,749	
10-14	620	595	1,215	959	913	1,872	903	837	1,740	850	789	1,639	
15-19	585	550	1,135	907	846	1,753	831	790	1,621	819	719	1,538	
20-24	610	515	1,125	886	791	1,677	838	757	1,595	660	566	1,226	
25-29	565	530	1,095	1,006	852	1,858	883	785	1,668	815	792	1,607	
30-34	505	470	975	1,052	874	1,926	857	792	1,649	969	886	1,855	
35-39	485	465	950	857	782	1,639	917	795	1,712	942	838	1,780	
40-44	475	445	920	706	577	1,283	933	787	1,720	876	796	1,672	
45-49	565	515	1,080	571	518	1,089	767	713	1,480	867	748	1,615	
50-54	405	495	900	503	520	1,023	614	556	1,170	814	738	1,552	
55-59	530	555	1,085	542	516	1,058	500	491	991	653	613	1,266	
60-64	490	610	1,100	385	488	873	439	454	893	507	473	980	
65-69	440	580	1,020	443	510	953	415	474	889	405	414	819	
70-74	345	450	795	371	512	883	295	439	734	315	429	744	
75-79	205	355	560	239	411	650	261	396	657	241	397	638	
80-84	120	245	365	157	259	416	165	314	479	117	263	380	
85 +	60	160	220	64	191	255							
85-89								72	182	254	55	186	241
90 +								24	61	85	19	94	113
Total	8,430	8,895	17,325	11,437	11,331	22,768	11,359	11,163	22,522	11,576	11,334	22,910	

1971, 1981, 1991 figures from Census.

1998 figures from General Register Office, Scotland, 1998 mid-year estimate.

Population of Shetland by Area based on Census

	1931	1951	1961	1971	1981	1991
Unst	1,341	1,112	1,151	1,127	1,140	1,067
Yell	1,883	1,483	1,152	1,143	1,191	1,083
Fetlar	217	161	127	88	102	87
Mavis Grind – North	1,343	1,054	816	696	898	875
Delting	958	863	701	674	2,719	2,491
Nesting	822	563	434	380		
Whalsay	900	859	764	871	1,025	1,043
Skerries	110	127	108	100	88 *	87
Tresta – Bridge of Walls	1,562	1,225	957	873	859	899
West of Bridge of Walls	884	687	561	483	715	599
Foula	118	75	54	33	45 *	42
Papa Stour	100	68	55	24	35 *	35 *
Whiteness/Weisdale/Tingwall					{1,075	1,183
Scalloway	1,140	1,604	1,603	1,671	{1,160	1,053
Trondra	91	54	20	17	88 *	117
Burra	767	648	653	565	850 *	889
Sandwick/Cunningsburgh	1,507	1,376	1,172	1,120	1,303 *	1,352
Bigton Junction – South	1,089	1,021	858	848	1,347	1,519
Fair Isle	108	73	64	65	69 *	68
Lerwick	4,221	5,538	5,908	6,127	7,143	7,280
Bressay	452	335	269	251	335	353
Quarff/Gulberwick	1,518	426	385	171	579 *	400
Total	21,131	19,352	17,812	17,327	22,766	22,522

* 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 is the more accurate representation of the usually resident population.

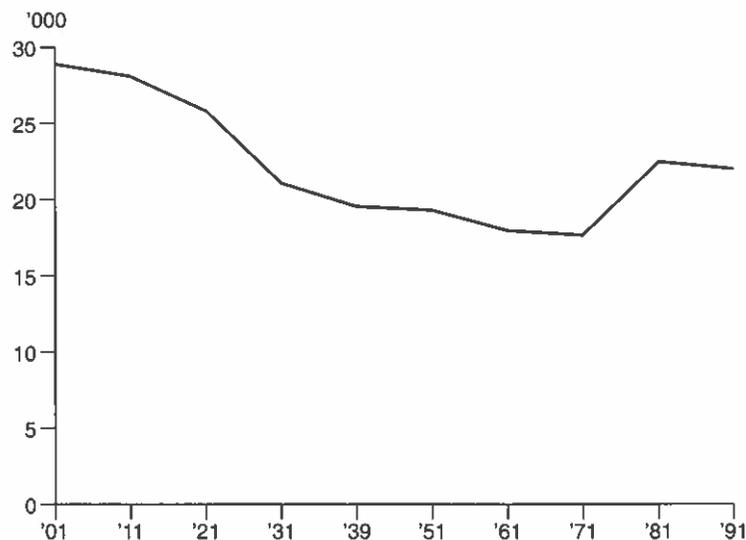
However, for comparative purposes with the 1981 figure, the 1991 estimate on the same basis, 21,905, represents a drop of nearly 900 (4%) for the decade.

Population by Doctor Registration Areas (June)

	1991	1996	1997	1998	1999
Unst	900	862	832	848	794
Yell	1,158	1,133	1,110	1,096	1,058
Whalsay	1,136	1,110	1,095	1,091	1,091
Northmavine	700	676	691	702	697
Brae	2,775	2,733	2,685	2,384	2,508
Walls	665	695	701	699	671
Bixter	1,047	1,085	1,073	1,095	1,062
Levenwick	2,429	2,386	2,336	2,316	2,294
Scalloway	2,677	2,670	2,651	2,621	2,638
Lerwick	9,373	9,617	9,583	9,514	9,562
Total	22,860	22,967	22,757	22,612	22,375

Source: Shetland Health Board

Population Trends 1901-1991



Source: General Register Office, Scotland

Economy and Industry

Economic Performance

An economic survey conducted by Fraser of Allander Institute in 1998 calculated the overall value of the Shetland economy to be £761,261,000. The table below illustrates the contribution made by some sectors in recent years. Of greatest significance was the dramatic increase in fisheries output in 1998 relative to 1997. This was largely caused by an increase in salmon production assisted by a more modest increase in fish catching. Agriculture declined in 1998 because of the collapse of main markets while knitwear and tourism improved performance.

Value of Key Sectors of the Shetland Economy (£ m)

	1996	1997	1998
Oil Production Operations	50.4	55.5	57.8
Combined Fisheries Output	97.8	105.2	121.7
Agriculture	14.3	12.8	12.0
Knitwear	4.0	5.0	5.4
Tourism	11.3	12.3	12.8
Shetland Islands Council	111.1	110.3	103.5
Total	288.9	301.1	313.2

As the role of the oil industry declines in Shetland, it is important that its value in economic terms is replaced. The approach taken has been to identify and encourage potential development opportunities in the traditional industries. At present this approach would seem to be succeeding and although the relative value of the oil industry has declined since its peak in the early 1980s, it still provides a significant input to the local economy which it is hoped will continue well into the future.

Traditional Industry Output Values (£ m)

	1982/83	1985/86	1990/91	1992	1996	1997	1998
Fish Catching	11.2	17.0	16.7	20.0	97.8*	105.2*	121.7*
Fish Processing	12.7	15.0	21.0	25.0			
Salmon Farming	0.0	3.3	23.3	33.0			
Agriculture	5.8	7.8	10.0	11.0	14.3	12.8	12.0
Knitwear	4.2	6.4	3.5	4.0	4.0	5.0	5.4
Tourism	3.5	5.9	10.0	10.0	11.3	12.3	12.8
Total	37.4	55.4	84.5	103.0	127.4	135.8	151.9

* These figures are the combined output total for fisheries, calculated by subtracting the value of the parts of fish catching and salmon farming output which is processed in Shetland, thereby removing duplicated output.

Source: Development Department, SIC estimates

Employment

Economic Activity in Shetland

	1971			1981			1991		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
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	8,633	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

June	1971	1976	1981	1986	1991	1996	1997	1998	1999
Shetland %	3.8	3.5	5.3	6.3	3.6	3.8	3.2	3.6	2.6
Actual Figures Jan:	360	n/a	402	805	354	438	493	436	340
July:	170	n/a	457	771	314	466	399	373	372
Orkney %	3.9	3.4	9.0	11.7	5.5	4.3	3.6	3.4	2.7
Western Isles %	18.0	14.5	20.1	19.1	14.5	10.6	8.6	8.3	8.1
Aberdeen %						3.7	2.6	2.0	2.5
Aberdeenshire %	3.7*	3.3*	7.6*	8.8*	4.0*	4.2	2.9	2.1	3.0
Scotland %	5.5	6.7	13.5	14.0	9.0	7.7	6.4	5.6	5.5

* Prior to 1996 these figures refer to Grampian Region.

Source: Lerwick Job Centre

School Leavers' Main Destinations 1998/99

School	Total Leavers	Full-time Higher Education	Full-time Further Education	Training	Employment	Other*
Aith Junior High	10	0	4	0	5	1
Anderson High	209	74	26	0	87	22
Baltasound Junior High	0	0	0	0	0	0
Brae High	48	12	13	0	19	4
Mid Yell Junior High	5	0	0	0	5	0
Sandwick Junior High	18	0	6	0	9	3
Scalloway Junior High	11	0	3	0	8	0
Skerries School	0	0	0	0	0	0
Symbister Junior High	7	0	0	0	7	0
Total	308	86	52	0	140	30

* Includes unemployed

Source: Shetland Careers Service

Employment in Shetland

	1971(a)	1977(b)	1981(c)	1983(d)	1991(d)	1994(d)	1997(d)
Primary	279	322	938	1,276	1,258	1,053	1,465
Manufacturing	1,335	1,125	940	923	1,121	1,130	1,322
Construction	489	1,004	906	763	817	749	946
Services	2,885	4,400	6,189	5,779	5,817	6,476	8,125
Self Employed	1,445	1,450	1,452	1,455	1,691	1,708	1,640
Total	6,433	8,301	10,425	10,196	10,704	11,116	11,858

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

Employment Distribution (June 1997)

Area	Employees				Self Employed				Subtotals				
	Male FT	Female PT	Male FT	Female PT	Male FT	Female PT	Male FT	Female PT	Male FT	Female PT	FT	PT	Total
Bigton Jct - S	223	50	80	140	43	16	9	16	332	245	355	222	577
Bressay	49	3	4	12	11	6	1	3	69	20	65	24	89
Burra	15	10	17	46	64	29	4	3	118	70	100	88	188
Delting/Nesting	809	34	170	193	74	38	16	22	955	401	1069	287	1356
Fair Isle	8	9	1	10	7	3	1	5	27	17	17	27	44
Fetlar	8	1	0	10	2	2	1	3	13	14	11	16	27
Foula	4	4	1	3	0	0	1	1	8	6	6	8	14
Lerwick	2620	394	1612	1674	303	86	100	88	3403	3474	4635	2242	6877
Mavis Grind - N	39	7	33	62	27	15	3	10	88	108	102	94	196
Papa Stour	0	0	1	6	0	1	1	1	1	9	2	8	10
Quarff/G'wick	17	0	4	6	12	1	1	5	30	16	34	12	46
S'wick/C'burgh	78	22	40	51	22	13	5	10	135	106	145	96	241
Scalloway	179	34	103	110	44	19	13	4	276	230	339	167	506
Skerries	6	4	3	11	29	6	1	3	45	18	39	24	63
Tresta - B'Walls	122	13	33	50	19	17	6	9	171	98	180	89	269
Trondra	20	4	8	0	1	1	3	1	26	12	32	6	38
Unst	67	8	30	45	17	8	7	10	100	92	121	71	192
W of B'Walls	30	9	30	62	12	20	3	9	71	104	75	100	175
Whalsay	91	7	63	104	142	18	3	5	258	175	299	134	433
White/Weis/Ting	81	12	24	50	25	8	6	10	126	90	136	80	216
Yell	100	12	43	70	38	20	8	10	170	131	189	112	301
Total	4566	637	2300	2715	892	327	193	228	6422	5436	7951	3907	11858

Source: Development Department, SIC

Fisheries

Fish Landings in Shetland

	White Fish		Shell Fish		Sandeels		Herring		Mackerel		Other Pelagic	
	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
1971	17,954	1,057,691	783	159,370	0	0	22,813	584,148	190	3,296	116	2,126
1976	13,457	2,587,548	588	202,339	18,548	515,398	4,010	461,243	775	38,623	973	64,895
1981	11,444	3,212,175	695	328,200	40,731	1,173,560	871	57,158	826	49,560	0	0
1986	18,941	9,979,705	736	630,639	11,960	359,162	51,230	5,216,706	226	29,558	313	31,302
1991	10,603	10,823,185	1,004	1,402,010	8,249	392,776	41,684	3,963,148	38,514	4,829,790	5,124	284,674
1992	10,556	11,171,700	1,163	1,593,000	4,152	185,300	37,497	3,596,300	59,777	7,255,200	3,945	183,200
1993	12,633	11,670,477	1,020	1,374,362	2,943	123,949	32,310	3,392,744	59,871	7,547,925	27,514	1,331,573
1994	11,994	12,048,171	1,268	1,615,556	8,691	423,773	44,167	4,769,194	81,814	10,838,992	19,693	1,126,183
1995	12,851	13,207,665	1,727	2,145,969	4,506	249,584	61,826	6,048,796	38,533	5,805,839	15,884	841,889
1996	15,810	13,090,578	1,725	1,784,000	9,008	489,110	27,440	2,286,944	5,995	1,957,673	20,004	1,184,439
1997	11,165	10,300,370	2,037	2,469,971	13,276	738,763	12,937	1,151,724	15,927	6,453,913	20,345	1,270,919
1998	9,076	10,164,827	1,774	2,143,127	11,585	732,075	9,144	956,238	21,601	9,515,169	29,844	1,918,362

White fish, shell fish and sandeel landings are by UK vessels only. Herring, mackerel and other pelagic statistics are by UK and foreign vessels.

Weight and Value of Catch by Species for 1998 (all vessels)

Species	Weight (Tonnes)	Value (£)	Species	Weight (Tonnes)	Value (£)
Anglerfish (Monks)	1,040	2,848,459	Megrims	140	196,234
Argentines (Silver smelt)	<1	2	Nephrops (Norway Lobster)	67	207,529
Brill	<1	10	Other flatfish	7	4,905
Capelin	1,349	84,968	Other or mixed Demersal	37	18,174
Catfish	20	30,565	Plaice	224	186,198
Cod	2,040	2,698,586	Pollack (Lythe)	33	31,411
Crabs - Brown (Edible)	397	280,032	Redfish	3	1,777
Crabs - Green	16	9,127	Roes	4	3,421
Crabs - Velvet (Swim)	81	92,113	Saithe (Coalfish)	470	242,771
Dabs	<1	115	Sandeels	13,380	838,398
Dabs - Long rough (Amer. Plaice)	<1	160	Scallops	903	1,301,039
Dogfish - L. nose velvet	3	2,873	Scallops - Queen	31	12,275
Dogfish - Other	<1	112	Shark (Greenland)	<1	52
Dogfish - Spotted	<1	313	Sharks	<1	701
Dogfish - Spur	70	69,649	Skates & Rays	180	102,777
Eels - Conger	1	158	Sole - Lemon	43	51,260
Gurnards - Grey	<1	4	Sole or Dover Sole	1	690
Haddock	3,300	2,650,093	Sprats	10	816
Hake	17	26,759	Squid	60	87,680
Halibut	3	9,820	Sunfish (Common mora)	<1	588
Halibut - Greenland	1	754	Total value other species	<1	568
Herring	9,144	956,238	Turbot	10	45,275
Ling	427	381,542	Tusk	14	6,772
Ling - Blue	<1	125	Whelks	208	54,325
Lobster - Squat	<1	31	Whiting	1,021	634,087
Lobsters	10	98,976	Whiting - Blue	27,079	1,630,031
Mackerel	21,601	9,515,169	Witches	37	25,172
Mackerel - Horse	1,407	201,956	Total	84,891	25,643,634

All Fish Landed in Shetland 1998

	Demersal		Pelagic		Shell Fish	
	Tonnes	£	Tonnes	£	Tonnes	£
Jan	634	699,182	3,661	1,924,725	114	160,521
Feb	887	796,829	8,470	3,939,747	95	125,316
Mar	903	868,553	11,127	2,856,590	121	151,787
Apr	2,073	924,563	14,115	807,898	111	89,001
May	2,128	1,050,296	4,162	244,616	204	150,662
Jun	7,138	1,456,578	870	50,548	57	79,362
Jul	2,563	1,062,775	4,132	457,101	65	95,079
Aug	3,135	993,416	3,241	395,494	181	182,378
Sep	1,259	947,702	831	101,168	192	222,259
Oct	650	764,385	3,280	807,096	173	228,254
Nov	713	954,025	6,701	804,787	127	182,869
Dec	444	591,867	0	0	334	475,639
Total	22,527	11,110,171	60,590	12,389,770	1,774	2,143,127

Included in Demersal Total

	1991		1996		1997		1998	
	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
Cod	2,220	2,744,602	3,683	3,200,233	2,145	2,307,448	2,040	2,698,586
Haddock	2,140	2,447,125	3,347	1,952,526	3,973	2,298,923	3,300	2,650,093
Whiting	2,463	1,437,210	1,790	966,244	1,434	838,606	1,021	634,087
Monkfish	1,429	3,554,426	2,676	5,047,928	1,456	3,422,872	1,040	2,848,459

Average Quay Prices per tonne

	1981 £	1986 £	1991 £	1996 £	1997 £	1998 £
Cod	337.31	828.42	1,236.31	868.92	1,075.73	1,322.84
Haddock	274.25	565.40	1,143.52	583.37	578.64	803.06
Whiting	270.31	506.43	583.52	539.80	584.80	621.04
Monkfish	584.69	1,507.60	2,487.35	1,886.37	2,350.87	2,738.90

Total Wet Fish Landed in Shetland

	1981	1986	1991	1996	1997	1998
Tonnes	53,872	74,839	104,187	78,627	73,671	83,117
£	4,492,453	15,547,208	21,338,570	20,907,671	19,928,170	23,499,939

Landings by Shetland Vessels outwith Shetland

	1971	1976	1981	1986	1991	1996	1997	1998
Tonnes	3,322	1,250	28,805	39,735	38,953	63,375	77,815	95,157
£	382,056	289,064	2,741,617	5,554,051	8,077,129	20,727,987	24,909,586	36,272,247

Distribution of Licensed Vessels by District

	1971	1976	1981	1986	1991	1996	1997	1998	
Creek 1 — South Mainland	13	13	11	5	3	13	12	19	
Creek 2 — Lerwick/Bressay	13	20	17	13	7	39	40	43	
Creek 3 — Whalsay	49	53	33	22	21	37	38	46	
Creek 4 — Out Skerries				4	4	8	7	7	
Creek 5 — Yell/Fetlar/Unst	29	26	14	7	5	25	22	24	
Creek 6 — Northmavine	14	15	7	4	5	8	8	10	
Creek 7 — Central Mainland	—	—	—	0	4	8	10	14	
Creek 8 — West Mainland	30	32	28	17	10	28	28	29	
Creek 9 — Scalloway/Burra/Trondra	68	61	45	41	32	60	56	60	
Total		216	220	155	128	89	226	221	252

Licensed Vessel Size

	Over 80ft	40-80ft	Under 40ft	Total
1971	0	64	152	216
1976	1	71	148	220
1981	8	52	95	155
1986	16	36	76	128
	Over 25m	10-25m	Under 10m	Total
1991	20	46	23	89
1996	23	57	146	226
1997	20	44	157	221
1998	21	44	187	252

Source: Sea Fisheries Statistics Unit, Scottish Executive Rural Affairs Department

Employment in the Shetland Fishing Industry *

	1971	1976	1981	1986	1991	1996	1997	1998
Catching	636	652	542	507	458	502	683	599 **
Ancillary	171	225	243	265	330	301	290	281
Total	807	877	785	772	788	803	973	880

* Some fishermen serve on more than one vessel

** 366 are classed as "regularly employed" & 233 as "partially employed"

Source: Development Department, SIC estimates; Sea Fisheries Statistics Unit, Scottish Executive Rural Affairs Department

Fisheries Protection

The enforcement of UK & EU Common Fisheries Policy regulations is the responsibility of the Scottish Fisheries Protection Agency through inspections and observations by its protection vessels and sightings by SFFPA surveillance aircraft.

The statistics below relate to activity in UK waters north of 59°30'N, and between 4°W and the UK/Norwegian median line.

Vessel Nationality	Fisheries Protection Vessel Boardings				Fisheries Protection Vessel Sightings				Fisheries Protection Aircraft Sightings			
	1991	1996	1997	1998	1991	1996	1997	1998	1991	1996	1997	1998
Belgium	0	2	3	1	1	3	3	3	1	12	5	7
Denmark	17	31	18	28	20	52	19	30	128	141	113	193
Eire	7	0	0	1	49	26	18	5	49	60	32	6
Faroe	2	3	7	1	15	8	11	4	23	12	29	24
France	101	19	26	26	212	58	54	42	371	154	122	114
Germany	51	17	15	24	78	30	26	32	196	78	52	56
Iceland	0	0	0	0	0	1	3	1	3	4	3	1
Netherlands	13	6	5	10	26	3	16	25	65	16	20	35
Norway	120	74	74	96	179	134	111	144	377	419	356	403
Spain	0	0	0	0	0	0	2	0	0	2	1	0
Sweden	5	0	4	0	8	1	1	0	19	8	3	4
UK	370	301	316	331	1,078	1,047	1,090	1,214	2,646	3,608	3,235	3,016
Other	0	0	0	0	1	1	0	0	1	4	8	13
Total	686	453	468	518	1,667	1,364	1,354	1,500	3,879	4,518	3,979	3,872

Source: Scottish Fisheries Protection Agency

Fish Processing

Fish Processing

	1977	1981	1986	1991	1996	1997	1998
Firms	11	10	8	14	16	18	21
Factories	15	13	14	15	17	19	22

Processing Lines

	1977	1981	1986	1991	1996	1997	1998
White Fish	11	10	11	5	6	6	8
Herring & Mackerel	3	2	1	1	1	2	6
Fish Meal Plants	3	1	2	1	1	1	1
Shellfish	3	2	2	3	3	5	6
Salmon	0	0	0	7	6	12	9
Smoking	3	2	2	3	3	7	4

Value (estimated turnover £ m)

	1991	1996	1997	1998
	25.00	51.50	61.15	59.00

Source: Shetland Fish Processors' Association

Employment

	1977	1981	1986	1991	1996	1997	1998
Full-time	967	480	567	578	328	310	614
Part-time					234	231	171
Total	967	480	567	578	562	541	785

Source: Development Department, SIC; Shetland Fish Processors' Association & Shetland Fisheries Training Association.

Salmon Industry

Salmon Farms

	1984	1986	1991	1996	1997	1998
Companies Established	5	13	0	1	0	3
Companies Producing	4	27	59	46	47	50
Total	9	40	59	47	47	53

Production

	1984	1986	1991	1996	1997	1998
Smolts Introduced (x000)	294	935	4,643	6,234	13,276	12,627
Production (tonnes)	50	1,500	10,614	19,710	24,630	33,304
Average Tonnes per Farm	13	56	180	428	524	666

Value

	1984	1986	1991	1996	1997	1998
Production value (£m)	0.22	6	33	37	47	56
Average per Tonne (£)	4,400	3,787	3,146	1,878	1,909	1,680

Employment

	1984	1986	1991	1996	1997	1998
Direct	40	158	304	323	307	311
Ancillary	59	168	482	360	340	339
Total	99	326	786	683	647	640

Source: Shetland Salmon Farmers' Association, Development Department, SIC estimates, Scottish Executive Rural Affairs Department (SERAD)

Manpower and Production by Region

Region		Staff		Annual Prod. (tonnes)	Prod. (t/man)	Grilse		Pre-salmon		Salmon	
		F/T	P/T			Tonnes	Mean wt (kg)	Tonnes	Mean wt (kg)	Tonnes	Mean wt (kg)
Shetland	1991	202	102	10,614	35	826	2.8	4,322	3.1	5,466	3.9
	1996	209	114	19,710	61	2,042	2.8	8,814	3.9	8,854	4.8
	1997	224	83	24,630	84	3,207	2.9	10,002	3.7	11,421	4.4
	1998	218	93	33,304	107	11,162	1.4	16,690	4.2	5,330	4.7
All Scotland	1991	1,014	272	40,593	32	7,449	2.1	13,577	2.6	19,567	3.2
	1996	1,151	242	83,121	60	25,776	3.0	32,222	3.8	24,485	4.5
	1997	1,088	207	99,197	77	34,227	3.3	37,122	3.8	27,263	4.4
	1998	1,117	192	110,784	85	38,963	2.3	47,820	3.9	21,953	4.3

Source: SERAD

Agriculture

Main and Minor Holdings

	1971	1981	1991	1996	1997	1998
Land Use (To nearest hectare):						
Tillage	1,410	1,062	740	423	388	398
Grassland & Crops	8,407	8,400	14,304	19,047	19,187	19,296
Rough Grazing (inc. C. Grazing)	129,019	133,160	130,943	126,853	127,056	126,357
Total Area Rented	38,130	36,046	36,781	40,244	40,513	40,129
Total Area Owned	28,161	30,368	33,840	34,454	35,506	36,243
No. of Holdings	2,439	2,240	2,311	2,219	2,195	2,136
No. of Common Grazings	93	93	100	100	100	115

Area Under Crops (To nearest hectare):

Grass (excl. Rough Grazings)	6,998	7,338	13,563	18,623	18,799	18,898
Barley & Oats	857	511	214	82	75	72
Turnips & Swedes	134	103	106	61	60	53
Kale & Cabbage	73	34	30	15	18	17
Potatoes	256	232	144	93	68	63
All Other Crops	17	25	126	121	123	109

Livestock:

Beef Cows & Heifers	2,492	1,896	2,129	2,340	2,341	2,420
Dairy Cows & Heifers	791	593	655	726	706	699
Total Cattle	6,945	5,103	5,701	6,224	6,191	6,206
Breeding Ewes & Gimmers	n/a	n/a	210,630	218,675	228,732	231,930
Total Sheep	264,779	297,558	387,468	399,162	417,544	424,312
Pigs	9	83	28	123	222	213
Poultry	12,950	8,672	4,428	4,182	4,369	4,276
Registered Slaughterhouses	9	8	4	3	2	2
Sheep Slaughtered	8,417	9,592	8,712	2,446	2,446	1,550
Cattle Slaughtered	485	278	339	89	151	175
Pigs Slaughtered	0	0	33	111	46	203
Sheep Exported	43,464	60,542	99,404	122,539	129,926	107,165
Cattle Exported	1,947	2,066	2,117	1,938	2,151	1,683
Ponies Exported	417	407	239	258	380	266
Wool Production (est. kg)	218,000	245,000	337,000	350,000	365,000	348,000

Milk:

Dairy Units	23	23	16	10	10	9
Milk Production (litres)	1,428,975	2,069,550	2,584,564	2,751,721	2,578,736	2,572,000

Employment:

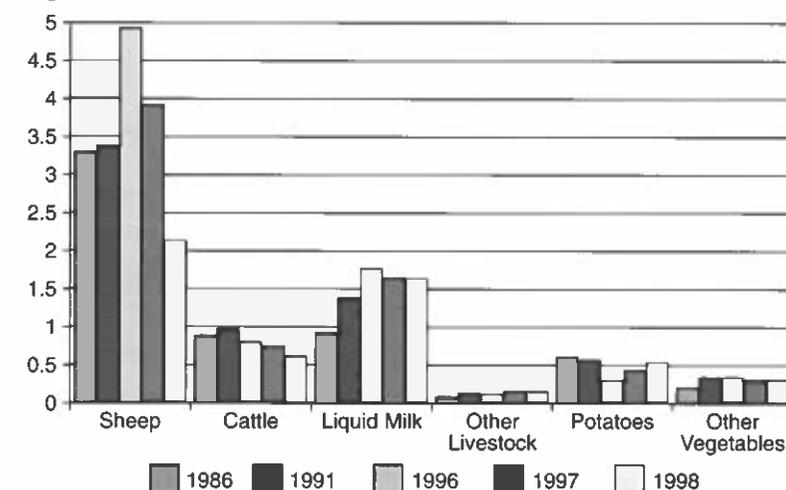
F/T & P/T Employees	222	204	244	304	308	307
F/T & P/T Occupiers	439	457	637	618	609	627
Others (including occupiers less than half time, wives/husbands of occupiers and casual/seasonal labour)	584	718	1,591	1,734	1,720	1,677

Source: Scottish Executive Rural Affairs Department & The Meat Hygiene Service

Production

Value (estimated £m)	1986	1991	1996	1997	1998
Sheep	3.28	3.35	4.93	3.90	2.12
Cattle	0.86	1.00	0.73	0.75	0.61
Liquid Milk	0.90	1.40	1.74	1.63	1.63
Other Livestock (inc. eggs)	0.11	0.12	0.13	0.14	0.14
Potatoes	0.65	0.58	0.27	0.48	0.56
Other Vegetables	0.22	0.35	0.36	0.30	0.30
Total	6.02	6.80	8.16	7.20	5.36

Agricultural Production Value



Source: Development Department, SIC

SOAEFD & EU Assistance (£m)

	1986	1991	1996	1997	1998
Hill Livestock Compensatory Allowance (HLCA)	1.33	1.61	1.25	1.40	1.28
Annual Premium Schemes	0.89	3.29	4.71	4.01	4.72
Environmentally Sensitive Area (ESA)	—	—	0.13	0.36	0.76
Total Assistance	2.22	4.90	6.09	5.77	6.76
Total Production Value and Value of Assistance	8.24	11.70	14.25	12.97	12.12

Source: Scottish Executive Rural Affairs Department

Shetland Islands Council Charitable Trust Assistance to Shetland Agriculture

As part of Shetland Islands Council's Agricultural Strategy, the SIC Charitable Trust operates an Agricultural Loan Scheme which started in September 1982. The following table summarises the salient features of 364 agricultural loans approved up to and including the Trustee's meeting of 25 April 1999.

Development Projects

Type of Project	Numbers	Hectares	Metres	Gross Cost £
Drainage/Ditching		76.0	387,278	335,600
Fencing		219.0	506,938	973,138
Roads			30,877	208,890
Re-seeding		3,935.5		1,337,576
Buildings				4,095,677
Machinery				1,560,866
Livestock: Sheep	15,764			478,227
Cattle	528			292,245
Pigs	19			1,300
Hens	300			594
Quota: Sheep	3,400			110,651
Cattle	61			6,730
Milk				218,714
Land Purchased/Assigned		4,787.1		1,413,804
Emergency Stockpile				32,000
Other				161,783
Inflation				301,789
Total Gross Cost				£11,529,584
Financed by: Grants				3,805,514
Personal Contributions				1,788,214
Loans				5,935,856
Total Funding				£11,529,584

Knitwear

The major marketing problem facing the Shetland knitwear industry is the plagiarism of the word 'Shetland' by knitwear manufacturers all over the world. Many millions more garments labelled 'Shetland' are turned out than are actually produced in the islands, or can actually be accounted for by the production of wool from the native sheep. To counter this a certification trademark, 'The Shetland Lady', was registered. This forms the cornerstone of the industry's marketing activities.

Shetland Knitwear Export Markets 1998

Market	% of production
Asia	70
Europe	20
United Kingdom	5
Americas	5



Value (estimated turnover £ m)

1971	1976	1981	1986	1991	1996	1997	1998
1.0	2.0	4.0	6.4	3.5	4.0	5.0	5.4

Employment

	Employees			Self-Employed			Home Knitters
	Full Time	Part Time	Total	Full Time	Part Time	Total	
1971	234	111	345	n/a	n/a	n/a	2,268
1976	155	71	226	n/a	n/a	n/a	2,098
1981	n/a	n/a	131	n/a	n/a	n/a	1,200
1986	112	51	163	47	16	63	n/a
1991	56	33	89	15	13	28	1,345
1996	89	15	104	9	15	24	986
1997	101	17	118	9	15	24	980
1998	110	17	127	8	14	22	975

Shetland Tweed

A switch from traditional single width to double width looms producing a range of fine woollen tweeds and cloths using Shetland wool, has rejuvenated this industry. Statistics relating to the weaving sector are included above.

Source: Shetland Knitwear Trades Association and Development Department, SIC

Crafts

Shetland has a long tradition of producing quality craft goods. The local development agencies participated in a joint "Craft Initiative" throughout 1995 and 1996, which resulted in the formation of a Craft Association and appointment of a Craft Officer in 1997.

The following types of craft business are operating at the present time:

Basketmakers	traditional Shetland kishies straw baskets
Ceramics	potters tile producers
Glass	stained glass
Leather	bridles, bags, belts
Metal Work	welding sculptors farrier, blacksmith
Pyrographers	pyrography items
Textiles	needle point weavers tapestry felted wool soft toys
Jewellery	silver smithing costume jewellery
Wood	cabinet makers boat builders fiddle makers turners toys

Employment (Manufacturing only) 1998

Male		Female		Total	
F/T	P/T	F/T	P/T	F/T	P/T
28	6	22	7	50	13

Note: These figures do not include those people active in the craft sector on a hobby basis.

Source: Shetland Craft Association and Development Department, SIC

Tourism

Shetland Islands Tourism Membership

	1981	1986	1991	1996	1997	1998
Hotels	16	16	16	11	12	16
Guest House/B&B	64	62	87	69	64	55
Self Catering	36	47	72	61	78	64
Hostels	4	5	5	4	4	4
Business & Trade	120	94	153	103	94	120
Camp Site	0	5	4	4	4	4
Caravans	0	0	3	0	0	0
Camping Böds	0	0	0	6	6	6
Total	240	229	340	258	262	269

Shetland Islands Tourism Bed Spaces

Type of Accommodation	1976	1981	1986	1991	1996	1997	1998
Hotels Lerwick	149	231	272	294	296	304	304
Hotels Country	292	342	310	301	295	317	367
Guest Houses Lerwick			29	31	75	90	91
Guest Houses Country			124	97	95	88	85
Bed & Breakfast Lerwick	206	103	71	93	65	38	46
Bed & Breakfast Country	154	203	107	208	143	108	118
Self Catering Lerwick				23	38	42	42
Self Catering Country	169	271	285	515	383	318	322
Caravans Country	106	104	39	17	0	0	0
Hostels Lerwick				48	64	64	64
Hostels Country	76	81	146	99	61	55	68
Camp Sites Lerwick				28	60	90	60
Camp Sites Country	0	0	117	42	39	66	40
Böds	0	0	0	0	63	71	71
Total	1,152	1,335	1,600	1,796	1,677	1,651	1,678

Tourist Information Centre Enquiries and Bookings

	1981	1986	1991	1996	1997	1998
Postal Enquiries*	1,696	5,201	6,845	3,586	5,152	7,307
Telephone Enquiries	n/a	966	2,115	3,291		
Advance Bookings	101	220	252	383	571	954
Immediate Bookings	412	997	1,435	927	587	703

* Postal enquiries excludes enquiries relating to Scottish Tourist Board campaigns.

Source: Shetland Islands Tourism

Employment

	1978	1981	1986	1991	1994	1997
Hotel & Guest Houses	161	233	280	356	340	344
Bed & Breakfast Accommodation	n/a	n/a	40	81	40	52
Self Catering, Cottages, etc.	n/a	n/a	64	89	28	62
Total	161	233	384	526	408	458

Source: Development Department, SIC

Extract from Shetland Visitor Survey 1995 (June – September)

Purpose of Visit	No. of visitors		%
Holiday	13,483		56
Visiting friends & relatives — on holiday	3,852		16
Business	5,779		24
Other	963		4
	<u>24,077</u>		<u>100</u>

Method of Transport			Yachts/Cruise Liners*	%
By Air	14,216	59%	Visiting Yacht Passengers	2,331
By Sea	9,861	41%	Cruise Liner Passengers	11,219
	<u>24,077</u>	<u>100%</u>		<u>13,550</u>

* Figures for Jan-Dec 1995

It is estimated that the total number of visitors, including business visitors, for the 12 month period January to December 1995 was 54,000.

Accommodation Used — number of visitors for period June-September 1995

Hotel	6019	Guest House	1445
Staying with friends & relatives	5297	Hostel	1204
Bed & Breakfast	4575	Boat	241
Rented	2408	Other	482
Caravan/camper van	1926		

Visitor Expenditure per person 1995

Purpose of Visit	Average expenditure per person	
	inc. travel (£)	excl. travel (£)
Holiday	371	226
Business	369	222
Visiting friends & relatives	268	127
Other	256	154

Origin of Visitors 1995

Origin of Visitors		Overseas Visitors	
	%		%
Scotland	24	Norway	22
Rest of Britain	31	USA/Canada	17
Overseas	45	Germany	15
	<u>100</u>	France	8
		Australia	6
		Italy	6
		Holland	4
		Switzerland	3
		Austria	3
		Sweden	2
		Others	14
			<u>100</u>

Source: Shetland Visitor Survey 1995

Total Visitor Expenditure in Shetland (£ m)

1982	1986	1991	1996	1997	1998
3.6	6.9	10.0	11.3	12.8	12.0

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

Source: Development Department, SIC and Shetland Visitor Survey 1995

Visitors on P&O Package Holidays

Duration	1982	1986	1991	1996	1997	1998
7 Days	276	2,017	2,184	1,810	1,228	809
Midweek	1,085	1,866	2,164	764	810	307

P&O Ferries Mini-Cruise Passengers Shetland Mini-Cruise

1976	1981	1986	1991	1996	1997	1998
1,390	3,964	1,768	2,014	1,038	1,006	1,201

P&O Ferries Orkney and Shetland Mini-Cruise

1996	1997	1998
2,215	2,128	1,652

Source: P&O Scottish Ferries Ltd

Cruise Liner Arrivals at Lerwick Harbour

1988	1991	1996	1997	1998
20	21	35	35	37

Cruise Liner Passengers

1981	1986	1991	1996	1997	1998
3,564	6,279	5,240	12,852	12,005	10,112

Source: Lerwick Harbour Trust

Oil

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

Sullom Voe Oil Terminal

The terminal is situated at Calback Ness on a site of approximately 400 hectares (1,000 acres) on the shores of Sullom Voe, 46km (29 miles) north of Lerwick. BP Exploration Operating Company Ltd. operates the terminal on behalf of companies participating in the Brent and Ninian pipeline groups. The terminal currently has a throughput design capacity of 1.2 million barrels of crude oil per day and reached a peak in 1984 with a total receipt of 439,434,656 barrels (58,328,785 tonnes). It now averages at 600,000 barrels per day.

Exploration and Development

1970 – The exploration phase for oil and gas offshore Shetland began when the Government allocated the first Licence Blocks.

1975 – The development phase including 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.

1978 – The first oil was piped to Sullom Voe through the Brent pipeline from the Dunlin oilfield on 25 November. The first oil was shipped out from the terminal by the Shell tanker 'Donovania' five days later and on 3 December the first oil arrived through the Ninian pipeline from the Heather oilfield.

1980 – Construction workforce peaked at over 7000.

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.

1994 – In August the terminal recorded one million manhours without a lost time injury.

1997 – On 13 June the six billionth barrel of crude oil was produced at the terminal.

1998 – During April the terminal was awarded, for the fourth consecutive year, the Gold Award for Occupational Safety by the Royal Society for the Prevention of Accidents. On 24 April the 'Hellespont Grand' became the largest tanker to visit the terminal with a dead-weight of 421,680 tonnes, and took the largest cargo from the terminal, 376,000 tonnes. In May the LPG ship 'Havrim', 37,300 cu.m., was the 1,000th LPG vessel to visit the terminal since operations commenced. On 8 August the 'Nordic Savonita' offloaded the first cargo of oil, 38,000 tonnes/300,000 barrels, from the Schiehallion field, west of Shetland. The 'Windsor' was the first tanker to collect a cargo of 630,000 barrels of Schiehallion crude, bound for Rotterdam on 19 August. October saw the longest tanker 'Empress Des Mers' to berth at Sullom Voe. This Nassau registered tanker was 381.82 metres long.

1999 – On 6 January the 'Hellespont Grand' took the largest cargo of oil from the Terminal: 395,567 tonnes.

UK Port Traffic, Bulk Fuel & Crude Oil Handling Ports 1998

Port Traffic (foreign & domestic)	'000 Tonnes	% UK Traffic	Bulk Fuel (inc. oil & gas)	'000 Tonnes	% UK Traffic
London	57,311	10.1	Forth	39,210	13.5
Tees & Hartlepool	51,454	9.1	Tees & Hartlepool	35,435	12.2
Grimsby & Immingham	48,387	8.5	Sullom Voe	31,053	10.7
Forth	44,400	7.8	Grimsby & Immingham	28,544	9.8
Southampton	34,259	6.0	Milford Haven	28,200	9.7
Sullom Voe	31,109	5.5	All above ports	162,442	55.9
Liverpool	30,357	5.3	All UK major ports	290,592	100.0
Felixstowe	30,025	5.3			
Milford Haven	28,783	5.1			
Dover	17,690	3.1			
Orkney	16,156	2.8			
Medway	15,528	2.7			
Port Talbot	13,302	2.3			
Belfast	12,510	2.2			
All above ports	431,271	75.9			
All UK ports	568,254	100.0			

	'000 Tonnes	% UK Traffic
Crude Oil		
Sullom Voe	30,683	16.7
Forth	30,341	16.5
Tees & Hartlepool	26,682	14.5
Southampton	18,701	10.2
Orkney	15,809	8.6
All above ports	122,216	66.6
All UK major ports	183,511	100.0

Source: Maritime Statistics Branch, Department of the Environment, Transport & The Regions

Sullom Voe Terminal: Oil Throughput (tonnes/barrels per day (bpd))

	Brent Pipeline System (tonnes)	Ninian Pipeline System (tonnes)	Total (tonnes)	Brent Pipeline System (av. bpd)	Ninian Pipeline System (av. bpd)	Terminal (av. bpd)
1978	856,991	92,186	949,177	177,526	23,439	n/a
1979	10,367,579	8,555,865	18,923,444	212,472	174,425	386,897
1981	23,116,490	15,545,240	38,661,730	478,094	317,083	795,177
1986	38,692,099	16,875,047	55,567,146	800,134	346,513	1,146,647
1991	20,263,701	15,576,512	35,840,213	419,864	322,592	742,455
1996	23,332,990	14,368,498	37,701,488	483,404	297,684	781,088
1997	19,610,580	12,236,944	31,847,524	406,420	253,611	660,032
1998	19,246,136	9,671,451	28,917,587	399,503	200,761	600,264

Sullom Voe Terminal: Gas Throughput (tonnes)

	Brent Pipeline System Propane	Brent Pipeline System Butane	Ninian Pipeline System Propane	Ninian Pipeline System Butane	Total Propane	Total Butane
1982	174,889	128,624	176,805	115,072	351,694	243,696
1986	476,742	375,641	346,478	254,621	823,220	630,262
1991	89,961	57,906	260,536	190,250	350,497	248,164
1996	73,381	18,284	214,052	174,388	287,433	192,672
1997	52,777	7,280	187,964	150,064	240,741	157,344
1998	62,060	24,570	153,753	119,169	215,813	143,739

Sullom Voe: tankers using port

	1979	1981	1986	1991	1996	1997	1998
Oil	270	432	654	423	395	321	277
Gas	0	0	112	45	32	36	29

Oilfields in Production

Name of Field	Field on stream	Operator	Production 1998 '000 barrels*
Brent	(B) 1976	Shell	46,907
Dunlin	(B) 1978	Shell	4,659
Heather	(N) 1978	DNO Heather	1,605
Ninian	(N) 1978	Oryx	16,359
Thistle	(B) 1978	BP - Amoco	2,770
South Cormorant	(B) 1979	Shell	6,058
Murchison	(B) 1980	Oryx	6,066
North Cormorant	(B) 1982	Shell	12,252
North West Hutton	(B) 1983	BP - Amoco	1,957
Magnus	(N) 1983	BP - Amoco	23,983
Deveron	(B) 1984	Britoil	394
Hutton	(B) 1984	Oryx	4,302
Alwyn North	(B) 1987	Total	7,923
Eider	(B) 1988	Shell	4,621
Tern	(B) 1989	Shell	17,155
Don	(B) 1989	BP - Amoco	758
Osprey	(B) 1991	Shell/Esso	5,526
Lyell	(N) 1993	Oryx	1,601
Strathspey	(N) 1993	Texaco	8,180
Dunbar	(B) 1994	Total	15,994
Ellon	(B) 1994	Total	2,006
Columba D	(N) 1994	Ranger	1,286
Hudson	(B) 1994	Amerada Hess	2,946
South Magnus	(N) 1996	BP - Amoco	3,311
Columba B	(N) 1996	Ranger	1,130
Dunlin SW	(B) 1996	Shell	1,693
Merlin	(B) 1997	Shell	4,260
Columba E	(N) 1998	Ranger	1,653
Schiehallion	1998	BP - Amoco	8,398

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

* The current year total production in barrels has been achieved by converting the total mass for each field by an average conversion factor applicable to that field.

Source: BP Exploration Operating Co. Ltd.

Permanent Terminal Workforce

	1978	%local	1981	%local	1986	%local	1991	%local
SIC Marine Operations	32	66	92	63	99	72	94	71
Shetland Towage	25	80	86	88	92	93	94	100
BP	113	31	407	48	583	59	516	58
Sub-Contractors	n/a	n/a	336	41	223	68	406	56
Total Employees	170	45	921	50	997	73	1,110	62

	1995	%local	1996	%local	1997	%local	1998	%local
SIC Marine Operations	97	74	98	77	106	94	88	100
Shetland Towage	89	106	73	100	72	100	71	100
BP	363	67	333	70	315	71	312	71
Sub-Contractors	218	80	195	79	300	64	389	84
Total Employees	767	76	699	77	793	74	860	82

Source: BP Exploration Operating Co. Ltd.; Shetland Towage; SIC Marine Operations Department; SIC Employment Survey

Marine Service Base

Base	Area (ha)	Berths Operational
Shetland Base Services Ltd. (Green Head, Lerwick)	16.20	9

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

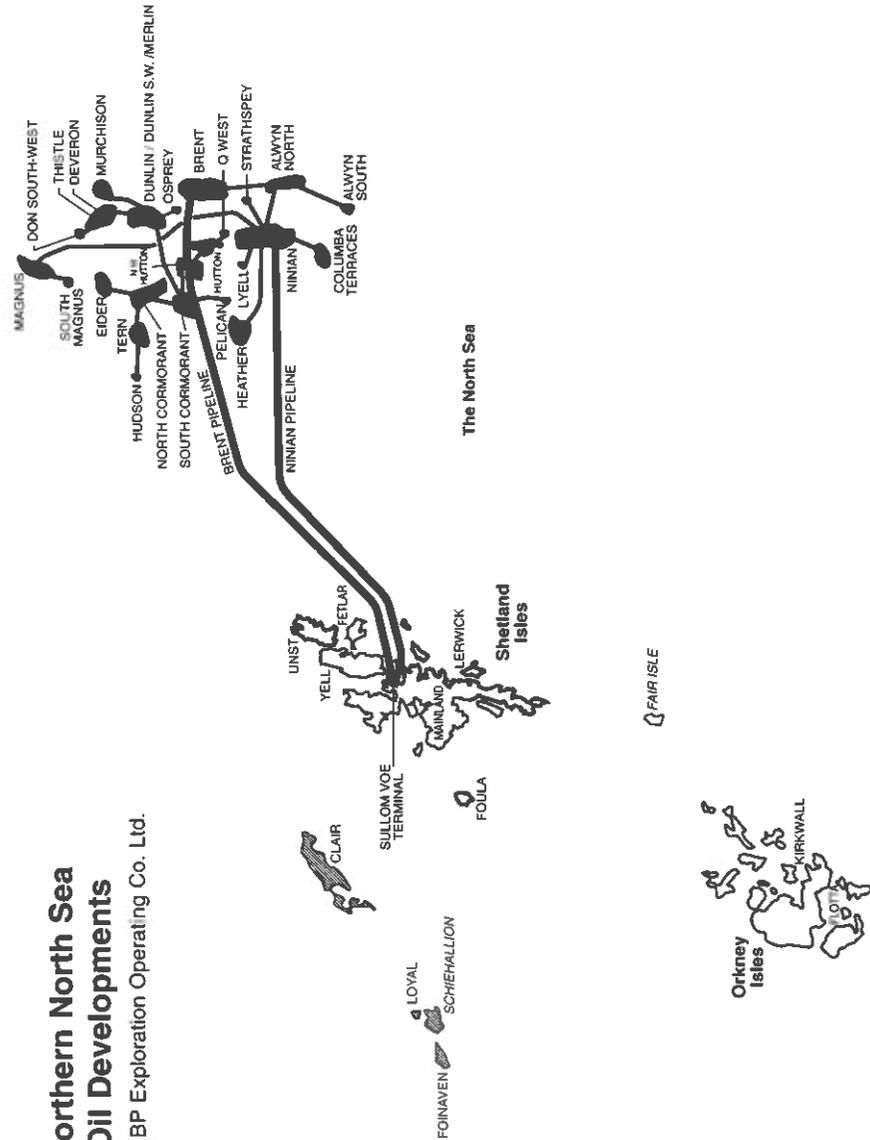
Marine Service Employment

	1972	1976	1981	1986	1991	1996	1997	1998
	21	185	391	318	229	224	211	214

Source: SIC Employment Survey

Northern North Sea Oil Developments

Source: BP Exploration Operating Co. Ltd.



Cost of Living

These 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.

		1981						1986					
Indices		Food	Other Goods	Housing	Transport	Services	Total	Food	Other Goods	Housing	Transport	Services	Total
		Shetland:	Lerwick	100.6	118.0	116.0	120.7	96.1	109.7	99.6	111.9	113.6	123.0
	Outer Island	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Remote	116.9	129.3	112.7	132.2	95.7	119.8	108.1	123.0	109.5	140.5	91.2	114.5
	Village A	108.7	122.5	115.0	123.9	96.1	114.2	110.5	120.2	110.1	130.2	92.5	113.4
	Village B	113.1	126.5	116.0	124.6	94.0	117.0	113.8	124.4	113.6	130.6	93.0	116.2
	Village C	112.2	122.5	117.7	126.6	97.0	116.6	110.3	120.6	114.0	131.5	93.8	114.5
	Scottish Rural Average	118.3	124.0	108.6	111.5	90.0	115.1	104.7	116.8	106.9	111.6	90.1	107.3
	Aberdeen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Edinburgh	n/a	n/a	n/a	n/a	n/a	n/a	103.8	99.2	101.1	97.3	100.0	100.8

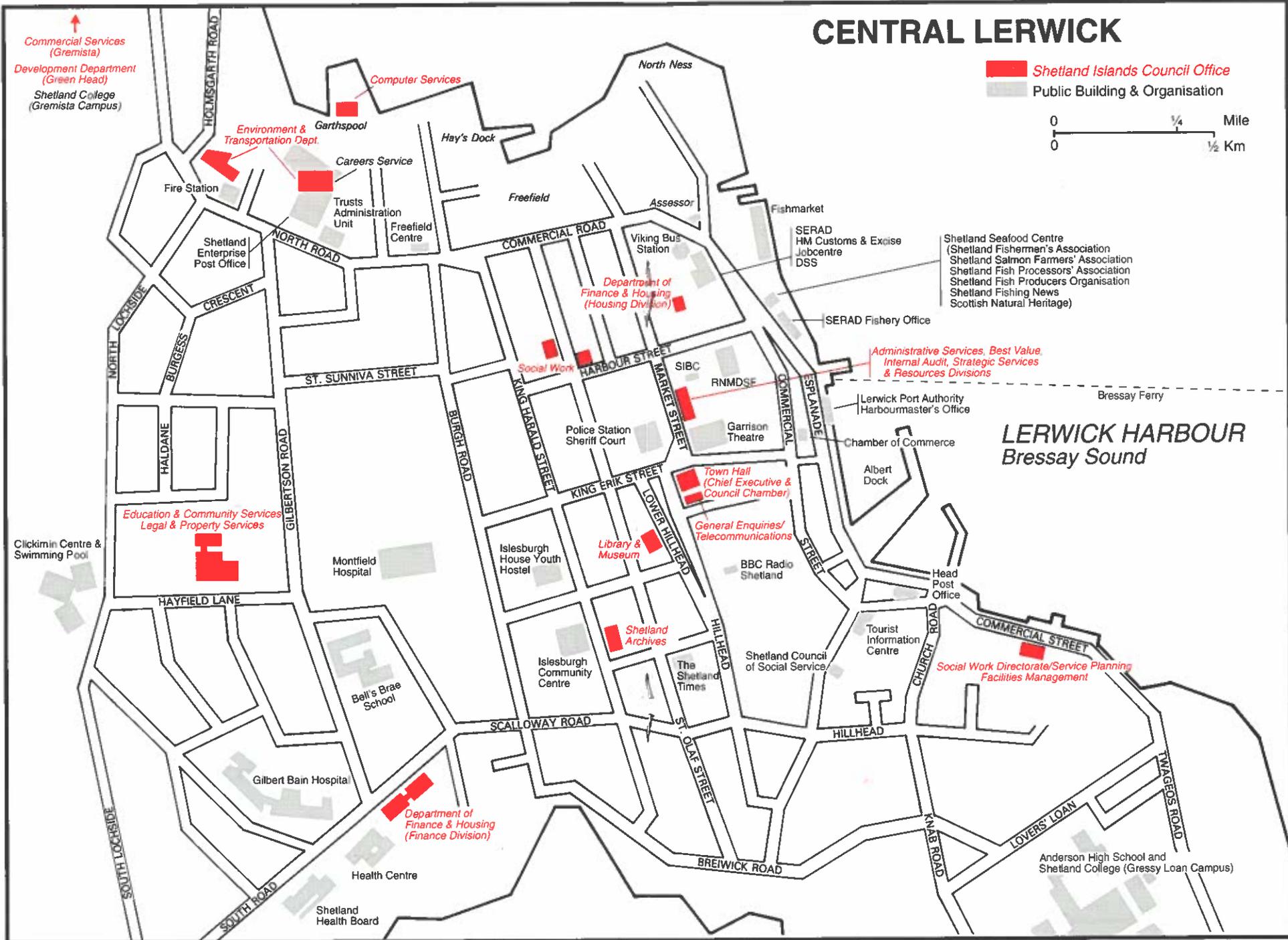
		1991						1996					
Indices		Food	Other Goods	Housing	Transport	Services	Total	Food	Other Goods	Housing	Transport	Services	Total
		Shetland:	Lerwick	98.7	113.4	88.9	125.6	96.7	103.8	105.5	112.6	89.5	127.5
	Outer Island	107.6	120.3	88.1	133.0	92.5	107.9	114.6	120.0	88.3	135.1	92.6	110.3
	Remote	112.4	125.2	87.7	140.3	92.8	111.6	110.5	126.1	87.6	140.3	93.5	111.5
	Village A	111.3	116.0	86.3	135.1	93.0	108.1	111.3	116.4	86.9	136.1	93.5	108.7
	Village B	109.6	124.8	86.9	136.0	93.1	110.0	115.6	122.4	87.4	136.8	93.3	111.3
	Village C	112.1	122.2	86.3	136.4	94.2	110.1	113.4	124.0	86.9	136.1	94.2	111.1
	Scottish Rural Average	104.9	116.0	87.3	115.4	90.1	103.2	107.4	114.7	86.4	112.5	91.6	103.1
	Aberdeen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Edinburgh	104.7	98.1	116.5	96.4	103.5	104.5	102.6	97.1	115.0	96.3	103.6	102.9

		1997						1998					
Indices		Food	Other Goods	Housing	Transport	Services	Total	Food	Other Goods	Housing	Transport	Services	Total
		Shetland:	Lerwick	102.9	112.2	89.6	126.8	99.3	105.8	100.1	112.0	89.5	126.6
	Outer Island	107.3	120.2	88.0	134.9	92.8	108.6	106.3	119.6	88.0	133.8	92.5	107.9
	Remote	111.8	126.3	87.5	140.2	93.5	112.1	117.1	126.0	87.3	140.3	93.2	113.0
	Village A	110.3	116.2	86.9	135.2	93.4	108.4	111.7	115.5	87.0	135.0	93.4	108.4
	Village B	113.4	122.5	87.5	136.4	93.6	111.0	121.5	121.7	88.1	136.1	93.7	112.7
	Village C	116.1	124.8	86.8	135.7	94.3	112.0	117.6	124.5	86.7	135.4	94.1	112.0
	Scottish Rural Average	107.1	114.5	86.3	112.8	91.5	103.1	109.5	114.4	86.5	112.9	91.4	103.6
	Aberdeen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Edinburgh	101.0	97.2	115.1	96.0	103.8	102.6	103.1	97.5	115.6	96.3	104.1	103.4

Source: Rural Scottish Summer Price Survey, MacKay Consultants

CENTRAL LERWICK

Shetland Islands Council Office
 Public Building & Organisation



Internal Transport

Internal Air and Sea Transport Infrastructure

Location	Type of Transport	Type of Service*	Surface Type and Dimensions of Airstrip
Unst	Air/SIC Vehicle Ferry		Bituminous (640x28m)
Yell	SIC Vehicle Ferry		
Fetlar	Air/SIC Vehicle Ferry	Air = Charter only	Soft Gravel (457x18m)
Skerries	Air/SIC Vehicle Ferry		Rolled Gravel (Firm) (381x18m)
Whalsay	Air/SIC Vehicle Ferry	Air = Charter only	Rolled Gravel (Firm) (457x18m)
Scatsta	Air	Air = Charter only	Bituminous (960x28m)
Bressay	SIC Vehicle Ferry		
Tingwall	Air		Bituminous (740x18m)
Sumburgh	Air		Tarmac (1,084x46m) Tarmac (1,426x46m) Tarmac (550x45m)
Fair Isle	Air/SIC Ferry		Rolled Gravel (Firm) (457x18m)
Papa Stour	Air/SIC Ferry		Soft Gravel (457x18m)
Foula	Air/SIC Ferry		Soft Gravel (457x18m)

* 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.

Inter Island Ferries

Shetland Islands Council Ferry Traffic

Passengers

Ferry Route	1976	1981	1986	1991	1996 *	1997	1998
Yell	62,626	109,755	96,364	113,897	193,186	204,388	204,236
Unst/Fetlar	33,460	44,570	40,605	65,608	112,852	124,545	123,485
Bressay	71,615	92,454	96,849	135,447	219,619	208,470	211,879
Whalsay	23,110	42,631	45,888	67,385	144,606	148,157	141,064
Total	190,811	289,410	279,706	382,337	670,263	685,560	680,664

Vehicles

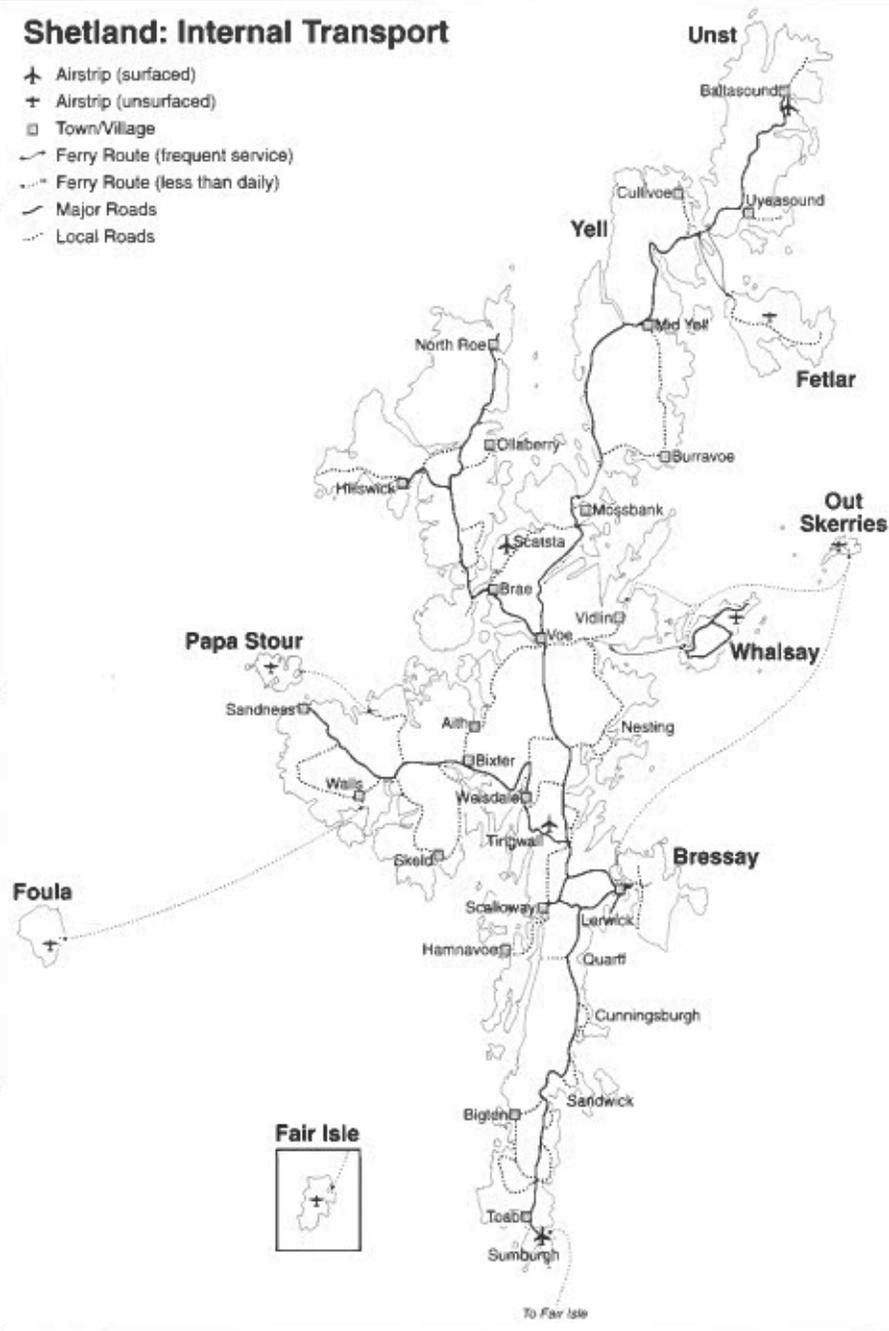
Ferry Route	1976	1981	1986	1991	1996 *	1997	1998
Yell	33,333	50,310	65,264	89,041	97,180	101,505	100,247
Unst/Fetlar	16,920	22,897	28,202	51,816	52,034	58,095	57,337
Bressay	14,817	23,414	31,958	50,272	66,612	63,215	65,176
Whalsay	10,117	19,330	31,660	48,911	64,212	63,685	63,137
Total	75,187	115,951	157,084	240,040	280,038	286,500	285,897

Source: Marine Operations Department, SIC

* Prior to 1995 the fare gathering system did not record non-fare paying vehicles and passengers.

Shetland: Internal Transport

- ✈ Airstrip (surfaced)
- ✚ Airstrip (unsurfaced)
- Town/Village
- Ferry Route (frequent service)
- - - Ferry Route (less than daily)
- Major Roads
- - - Local Roads



Overland Transport

Bus Services

Route	Operator	Passengers		
		1996	1997	1998
Lerwick to: South Mainland (Sandwick/Sumburgh/ Sumburgh Airport)	J Leask & Son	88,355	87,813	92,688
North Mainland (Hillswick/Mossbank)	Shalder Coaches	71,108	67,592	67,928
Toft (for Yell, Unst & Fetlar)	J Leask & Son	14,447	13,500	12,632
Laxo/Vidlin (for Whalsay)	Whites Coaches	9,013	8,342	7,379
West Mainland (Walls/Skeld/ Reawick/Aith)	Whites Coaches	49,043	51,344	44,022
Scalloway/Burra	Shalder Coaches	46,156	42,187	41,873
Lerwick Town Service	J Leask & Son	112,371	104,343	99,493
Yell Services	R G Jamieson } H Sinclair & Co. }	5,553	5,598	5,796
Unst Services	P & T Coaches	2,033	1,959	1,733
Total		398,079	372,678	373,544

Schedule of County Highways

Principal Roads	193.2km (120.0 miles)
Non-principal Roads	382.7km (237.7 miles)
Unclassified Roads	419.8km (260.7 miles)
Total	995.7km (617.4 miles)

Source: Environment & Transportation Department, SIC

Vehicle Ownership

Vehicles licensed in Shetland on 31 December

Type	1971	1976	1981	1986	1991	1996	1997	1998
Private Cars & Light Goods	3,600	5,076	7,048	7,808	8,933	10,031	10,111	10,154
Goods Vehicles (inc. Agri.)	440	640	801	376	310	231	223	233
Public Transport Vehicles	138	171	164	187	121	88	90	92
Motor Cycles	350	397	545	379	287	251	236	253
Miscellaneous	652	826	831	966	967	889	916	945
Total	5,180	7,110	9,389	9,716	10,618	11,490	11,576	11,677

1971 figures: Local Taxation Office

1981 onwards: Department of the Environment, Transport and the Region

External Ferries

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

	Passenger Journeys	Accompanied Car Journeys
1971	22,693	n/a
1981	52,531	8,398
1986	63,323	9,788
1991	80,346	11,350
1995	60,669	11,073
1996	62,561	11,734
1997	65,144	11,273
1998		
January	2,118	468
February	1,376	297
March	2,576	560
April	4,403	756
May	6,151	942
June	8,327	1,293
July	10,402	1,892
August	10,298	1,814
September	5,742	1,067
October	4,750	1,037
November	2,256	556
December	2,539	572
Total	60,938	11,254

Note: Each passenger and car journey is counted one way.

Freight on P&O Ferries Services Aberdeen – Lerwick

	1981	1986	1991	1996	1997	1998
Commercial Vehicles	24,327	14,368	10,899	12,038	9,657	12,715
Commercial Trailers	26,959	25,745	56,255	64,244	71,292	86,049
Unaccompanied Cars	3,941	4,512	5,383	6,213	5,505	5,934

(Figures expressed in running metres)

P&O Ferries Lerwick – Bergen Services

	1993	1994	1995	1996	1997
Passengers*	3,355	3,463	3,050	3,529	3,954
Vehicles*	435	520	572	656	719

* Total embarking and disembarking. Service between Shetland and Norway operated June, July and August.

Source: P&O Scottish Ferries

Lerwick Harbour

Shipping in Lerwick Harbour

	1971	1976	1981	1986	1991	1996	1997	1998
General	316	470	418	625	738	662	694	719
Oil Tankers	51	99	140	105	114	127	106	112
Oil Rig Tenders	79	1,679	1,556	1,033	888	737	715	607
Other Vessels	489	769	430	689	522	611	576	692
Yachts			112	203	366	317	403	342
British Fishing*	1,440	893	677	1,762	1,606	1,099	1,079	1,118
Foreign Fishing	1,580	1,357	246	509	216	127	99	103
Total	3,955	5,267	3,579	4,723	4,450	3,680	3,672	3,693

* Excludes local fishing fleet

Tonnage Handled in Lerwick Harbour

	1971	1981	1991	1996	1997	1998
General Cargo Imports	45,760	200,077	226,715	317,580	330,867	393,318
General Cargo Exports	48,849	57,471	98,335	240,646	256,444	228,138
Oil Related Imports	342	288,999	238,684	177,522	138,676	36,532
Oil Related Exports	0	421,807	315,996	244,917	174,876	90,406
Total	94,951	968,354	879,730	980,665	900,863	748,394

Weight of containers excluded

Foreign Fishing Vessels in Lerwick Harbour

	1971	1976	1981	1986	1991	1996	1997	1998
Angola	0	0	0	0	0	2	0	0
Belgium	0	0	0	0	0	1	0	0
Bulgaria	0	0	0	3	6	0	0	0
Canada	0	0	0	0	0	0	1	0
Denmark	374	416	117	82	66	46	36	25
Faroe	242	203	14	3	19	6	1	5
Finland	6	7	0	0	0	0	0	0
France	16	11	13	13	18	4	9	4
Germany (formerly E & W)	3	4	1	14	22	10	6	12
Iceland	215	86	2	9	0	0	0	2
Ireland	0	0	0	18	20	12	12	13
Netherlands	12	13	0	16	7	3	2	3
Norway	551	524	96	306	50	43	30	36
Poland	1	37	2	0	0	0	0	0
Portugal	0	0	0	1	0	0	0	0
Sierra Leone	0	0	0	0	0	0	1	0
Spain	0	0	0	0	0	0	1	0
Sweden	100	43	1	5	7	0	0	0
C.I.S. (formerly USSR)	60	13	0	39	1	0	0	3
Total	1,560	1,357	246	509	216	127	99	103

Fish Factory Ships and Related Vessels in Lerwick Harbour

1983	1986	1991	1996	1997	1998
41	219	230	249	204	213

Lerwick Harbour Trust Revenue

1971	1981	1991	1996	1997	1998
£49,000	£2,100,000	£4,576,082	£4,661,595	£4,661,524	£4,873,384

Source: Lerwick Harbour Trust

Scalloway Harbour

Shipping in Scalloway Harbour

	1986	1991	1996	1997	1998
UK Commercial	11	0	29	28	43
Foreign Commercial	100	103	147	181	193
Oil-related	5	1	8	28	27
UK Fishing	163	207	127	104	116
Foreign Fishing	17	28	19	19	14
Yachts	9	33	9	11	6
Other	0	0	42	77	32
Total	305	372	381	448	431

Cargo Handling (tonnes)

	1986	1991	1996	1997	1998
Imports	5,037	6,351	11,533	16,176	15,436
Exports	16,120	893	14,087	33,011	40,777

Scalloway Harbour Revenue

1986/87	1991/92	1996/97	1997/98	1998/99
£160,838	£202,598	£359,773	£330,747	£276,507

Source: Marine Operations Department, SIC

Air Services

Total Aircraft Traffic at Sumburgh, Scatsta, Unst and Tingwall

	1978	1981	1986	1991	1996	1997	1998
Passengers	757,470	784,545	367,053	588,625	524,476	470,609	434,904
Aircraft Movements	57,343	52,863	29,457	39,863	34,122	29,826	27,735

Employment

	1978	1981	1986	1991	1996	1997	1998
Sumburgh	529	650	206	296	235	216	199
Tingwall	n/a	12	10	8	6	5	3
Scatsta	n/a	42	10	11	58	59	60
Unst	n/a	68	66	42	10	10	6
Total	529	772	292	357	309	290	268

Source: Development Department, SIC

Sumburgh Airport Traffic: Passengers

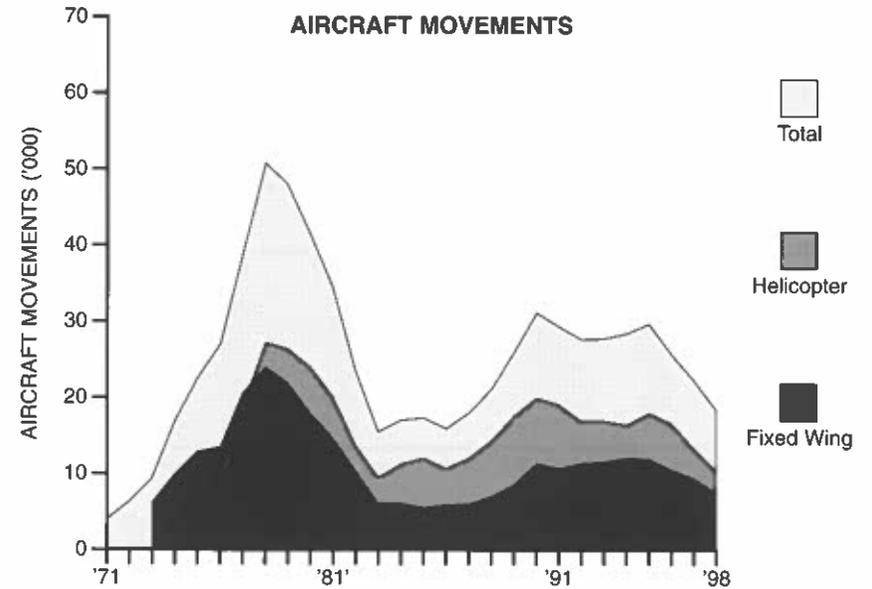
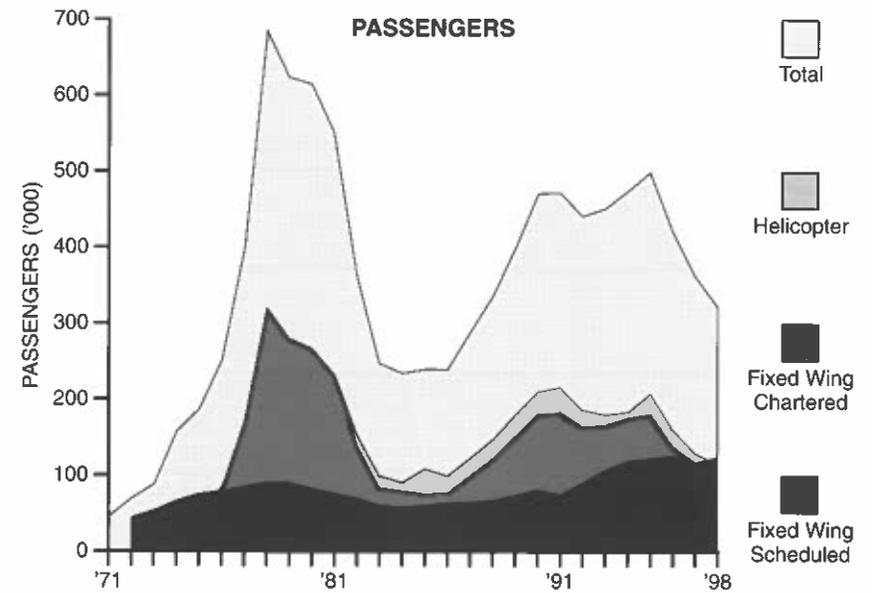
	Total Passengers	Fixed Wing Scheduled Passengers	Charter Passengers & Others	Helicopter Passengers
1971	46,994	n/a	n/a	n/a
1976	250,778	78,654	84,111	88,013
1978	685,492	90,601	323,151	271,740
1981	541,761	76,853	232,389	232,519
1986	239,744	63,200	77,805	98,739
1991	473,626	76,841	182,377	214,408
1996	423,476	125,744	137,384	160,348
1997	361,478	116,505	116,727	128,244
1998	324,713	121,011	86,904	116,798

Sumburgh Airport Traffic: Aircraft Movements & Freight

	Total	Fixed Wing	Helicopter	Freight (kgs)
1971	3,895	n/a	n/a	440,000
1976	25,694	13,030	12,664	1,574,338
1978	50,666	23,843	26,823	1,950,287
1981	34,188	14,361	19,827	3,487,834
1986	15,968	5,621	10,347	1,409,284
1991	29,168	10,321	18,847	1,448,769
1996	25,350	10,202	15,148	1,611,102
1997	21,813	8,943	12,870	929,024
1998	19,187	8,698	10,489	840,484

Source: Highlands and Islands Airports Ltd.

Sumburgh Airport



UK Airport Passengers ('000)

	1991	1996	1997	1998
Heathrow	40,245	55,732	58,185	60,683
Gatwick	18,690	24,102	26,959	29,173
Manchester	10,102	14,485	15,948	17,351
Stansted	1,685	4,810	5,427	6,862
Birmingham	3,246	5,353	6,025	6,709
Glasgow	4,154	5,472	6,117	6,556
Edinburgh	2,340	3,810	4,215	4,588
Luton	1,958	2,411	3,238	4,132
Newcastle	1,527	2,433	2,643	2,984
Belfast International	2,168	2,351	2,477	2,671
Aberdeen	2,020	2,377	2,573	2,662
East Midlands	1,145	1,822	1,886	2,142
Bristol	783	1,394	1,615	1,838
Jersey	1,666	1,691	1,737	1,748
Leeds Bradford	638	1,053	1,255	1,406
London City	172	726	1,161	1,360
Belfast City	537	1,361	1,287	1,316
Cardiff	513	1,010	1,155	1,263
Guernsey	784	891	930	963
Liverpool	457	620	690	873
Southampton	428	551	632	737
Isle of Man	473	605	693	727
Teesside	300	444	578	655
Prestwick	35	522	581	564
Humberside	108	279	335	345
Inverness	199	285	402	340
Norwich	175	258	272	318
Bournemouth	125	162	269	315
Sumburgh	433	401	361	305
Exeter	164	205	228	250
Plymouth	85	98	131	139
Isles of Scilly (St. Marys)	102	125	128	131
Penzance Heliport	97	106	109	119
Scatsta	15	79	102	104
Stornoway	80	94	97	96
Blackpool	120	85	84	94
Kirkwall	102	92	97	90
Alderney	83	84	81	77
Londonderry	37	64	56	49
Sheffield City	—	—	—	46
Wick	31	28	41	41
Benbecula	31	38	37	36
Isles of Scilly (Tresco)	21	26	30	35
Islay	20	19	21	21
Cambridge	26	29	20	16
Dundee	9	13	18	10
Campbeltown	—	7	11	9
Barra	—	8	9	9
Biggin Hill	—	6	7	6
Hawarden	1	—	4	6
Tiree	5	5	5	4
Battersea Heliport	4	5	5	4
Southend	21	6	9	4
Lerwick (Tingwall)	11	4	4	4
Coventry	6	3	2	2
Lydd	30	—	3	2
Kent International	4	2	3	2
Gloucestershire	4	2	2	2
Shoreham	1	3	3	2
Unst	85	18	3	1
Total: All UK airports	98,303	138,664	149,166	163,037

Source: Civil Aviation Authority

Scatsta Airport Traffic

	1978	1981	1986	1991	1996	1997	1998
Passengers	42,601	109,063	13,157	14,495	78,807	102,344	104,356
Aircraft Movements	1,786	5,758	2,232	630	4,461	4,638	5,188

Tingwall Airport Traffic

	1978	1981	1986	1991	1996	1997	1998
Passengers	3,666	12,180	13,368	15,453	4,382	4,248	4,029
Aircraft Movements	1,442	2,815	3,333	2,917	2,582	2,485	2,439

Unst Airport Traffic

	1978	1981	1986	1991	1996	1997	1998
Passengers	25,711	120,564	97,138	85,051	17,848	2,512	1,806
Aircraft Movements	2,691	10,040	8,592	7,148	1,786	890	921

Source: Civil Aviation Authority

Small Airfield Traffic

Passengers

Airfield	1978	1981	1986	1991	1996	1997	1998
Fair Isle	1,021	841	1,822	2,048	1,910	1,927	2,314
Fetlar	76	57	60	n/a	n/a	n/a	n/a
Foula	n/a	1,175	1,100	n/a	1,344	1,056	1,098
Papa Stour	n/a	n/a	n/a	n/a	n/a	n/a	254
Skerries	150	271	624	900	545	721	586
Whalsay	n/a	80	100	360	n/a	n/a	n/a

Aircraft Movements

Airfield	1978	1981	1986	1991	1996	1997	1998
Fair Isle	300	238	480	610	632	614	710
Fetlar	72	52	40	n/a	n/a	n/a	30
Foula	114	310	304	466	687	490	470
Papa Stour	n/a	n/a	n/a	n/a	n/a	n/a	140
Skerries	68	138	302	400	408	485	480
Whalsay	116	78	70	200	n/a	n/a	208

Source: Loganair; Environment & Transportation Dept., SIC

Education and Training

Staffing

	1971	1976	1981	1986	1991	1996	1997	1998	1999
Nursery Teachers	-	-	-	-	-	11	10	11	11
Primary Teachers	91	117	164	150	140	177	179	184	183
Secondary Teachers	88	124	142	162	189	198	201	199	190
Further Education Lecturers	2	4	9	13	18	47	47	48	73
Total	181	245	315	325	347	433	437	442	457

From 1996 FE lecturers include North Atlantic Fisheries College lecturers

Further Education

Students Enrolled on Shetland College Courses

	1971	76/77	81/82	86/87	91/92	96/97	97/98	98/99
Full Time	20	34	68	113	77	141	149	173
Part Time	20	22	54	62	36	1,627	1,360	1,353
Evening Class	557	815	1,171	1,387	1,336	1,072	1,032	1,120
S.Seekers/M.Apprentices	-	-	-	43	101	42	40	24
Total	597	869	1,293	1,605	1,550	2,882	2,581	2,670

Source: Shetland College of Further Education

Students Enrolled on North Atlantic Fisheries College Courses

	1992	1993	1994	1995	1996	1997	1998
Business Courses	0	19	19	49	21	7	5
Aquaculture Courses	9	24	13	26	25	36	35
Fisheries Science	0	0	0	0	10	20	19
Marine Engineering	25	24	50	73	68	91	72
Maritime Studies	79	180	264	257	381	365	473
Processing Courses	0	0	46	53	24	11	17
Courses run by Third Parties	131	321	267	227	243	391	258
Total	244	568	659	685	772	921	879

Source: North Atlantic Fisheries College

Secondary Education

School Roll (January)	1971	1976	1981	1986	1991	1996	1997	1998	1999
Anderson High	571	770	915	933	878	855	816	786	773
Baltasound Junior High	36	58	75	47	33	55	46	39	41
Mid Yell Junior High	43	58	48	56	44	55	53	51	57
Brae High	47	68	164	263	211	242	241	261	266
Symbister House Junior High	36	54	62	49	45	50	51	50	53
Aith Junior High	35	65	61	61	61	70	65	85	85
Scalloway Junior High	72	129	132	144	179	153	150	152	147
Sandwick Junior High	55	87	121	130	144	166	146	143	168
Skerries School	2	6	5	7	2	2	3	4	6
Total	897	1,295	1,583	1,690	1,597	1,648	1,571	1,571	1,596

Education and Training

Primary Education

School Roll (January)	1971	1976	1981	1986	1991	1996	1997	1998	1999
Baltasound Junior High	103	100	106	71	85	72	74	89	101
Mid Yell Junior High	56	76	65	53	48	47	45	48	41
Brae High	44	68	171	170	139	152	139	128	121
Symbister House Junior High	125	149	146	121	125	110	109	107	109
Aith Junior High	67	63	52	77	61	58	65	89	79
Scalloway Junior High	120	136	150	138	117	96	94	100	103
Sandwick Junior High	44	81	96	65	69	86	90	101	101
Haroldswick Primary	38	33	21	30	25	14	11	-	-
Uyeasound Primary	21	27	16	8	9	21	24	24	23
Cullivoe Primary	21	23	24	24	18	15	12	11	9
Burrae Primary	38	31	36	29	32	26	21	22	20
Fetlar Primary	14	6	15	9	7	13	12	10	8
North Roe Primary	17	16	23	17	20	22	20	16	15
Ollaberry Primary	18	12	16	29	36	27	27	27	23
Urafirth Primary	26	29	37	33	29	28	32	29	30
Firth Primary	16	-	-	-	-	-	-	-	-
Mossbank Primary	-	-	136	117	70	85	97	92	98
Olnafirth Primary	19	30	46	44	31	29	31	27	25
Lunnasting Primary	20	22	38	26	21	26	25	24	24
South Nesting Primary	16	14	26	21	11	14	20	21	23
Skerries Primary	16	12	11	8	9	8	9	7	5
Sandness Primary	6	7	15	21	13	17	17	16	16
Foula Primary	4	4	7	7	4	5	1	1	3
Papa Stour Primary	-	-	5	3	4	0	7	5	6
Happyhansel Primary	43	40	48	55	57	58	57	54	58
Gruting Primary	12	11	9	-	-	-	-	-	-
Skeld Primary	13	26	36	19	14	24	24	22	24
Whiteness Primary	31	56	87	68	85	100	100	94	93
Burra Primary	16	-	-	-	-	-	-	-	-
Hamnavoe Primary	64	65	107	110	96	78	76	71	68
Gott Primary	41	43	52	50	50	39	40	53	67
Cunningsburgh Primary	56	74	57	59	50	60	66	68	60
Dunrossness Primary	123	152	209	149	146	155	157	168	162
Fair Isle Primary	3	9	11	8	8	5	6	7	13
Quarff Primary	17	19	23	21	15	10	9	9	8
Bressay Primary	24	38	20	21	28	40	37	40	42
Bell's Brae Primary	722	790	501	416	357	383	375	385	389
Sound Primary	-	-	292	400	354	338	349	368	346
Total	2,014	2,262	2,710	2,505	2,243	2,261	2,278	2,307	2,313

Nursery Education

School Roll (January)	1981	1991	1996	1997	1998	1999
Aith Junior High	0	0	14	14	15	23
Baltasound Junior High	0	0	0	0	0	18
Bell's Brae	0	64	75	78	69	73
Brae High	51	60	40	33	32	35
Bressay	0	0	0	0	0	8
Dunrossness	0	33	31	34	27	19
Fair Isle	0	0	0	0	0	1
Fetlar	0	0	0	0	0	1
Happyhansel	0	0	17	20	20	12
Mossbank	0	23	29	27	28	24
Sandwick Junior High	0	38	30	30	30	24
Skerries	0	0	0	0	0	1
Sound	60	60	58	60	58	57
Symbister House Junior High	0	0	19	29	24	20
Urafirth	0	0	10	6	13	12
Total	111	278	323	331	316	328

Source: Department of Education & Community Services, SIC

Social Care Provision

The following services are provided by Shetland Islands Council Social Work Department except where stated otherwise:

	1996/97	1997/98	1998/99
Local Authority Beds for Elderly People	53	73	73
Voluntary Sector Beds for Elderly People*	66	66	71
Day Care places for Elderly People**	58	62	66
Beds in Hostel for Adults with Learning Disabilities	16	8	4
Independent Living for Adults with Learning Disabilities	-	-	13
Beds in Children's Homes	5	5	5
Beds for Mentally/Physically Disabled Children - Respite Care	6	6	6
Laundries	4	4	4
Meals on Wheels Schemes	27	27	27
Luncheon Clubs	3	3	2
Meals Delivered	41,292	39,771	36,289
Home Helps	246	297	294
Home Help Clients	538	506	496
Community Care Support Workers***	134	130	110
Community Care Support Clients***	52	38	30
Homes Connected to Community Alarm System	614	630	657

* Voluntary sector beds for elderly people are provided by the Shetland Welfare Trust and the Church of Scotland.

** Shetland Welfare Trust care centres provide up to 44 of the day care places for the elderly.

Social Work Department and the Finance & Housing Department's Housing Division jointly manage one scheme of sheltered housing providing 10 places for people who are mentally ill and one scheme of very sheltered housing (16 units) for people aged 60 or over.

*** Community Care Support Services are provided by the Shetland Welfare Trust. This service provides support to clients in order to allow them to remain living in their own home.

Health

Health services in Shetland are provided by Shetland Health Board, which in 1998/99 received a grant of £25,300,000 from the Scottish Office. 1999/2000's allocation is £27,700,000. The Board maintains close links with Grampian Health Board for the provision of specialist services not available in Shetland.

Health Board Expenditure (£ per head of population)

	1986/87	1991/92	1995/96	1996/97	1997/98
Shetland	312	675	909	862	878
Scottish average	392	695	793	813	889

Staffing

	1986	1991	1996	1997	1998*
Hospital - medical & dental	12	15	14	15	16
Hospital nursing staff	152	206	193	190	183
Scientific & professional, PAMS & technical	37	37	52	53	56
Administration & clerical	43	59	72	77	77
Works, trades & ancillary	102	110	10	10	10
General medical practitioners	20	20	24	24	24
Other nursing staff	42	45	47	48	57
Dental practitioners	4	7	8	7	9

* Provisional figures

Hospital Activity

Discharges/Attendances	1986/87	1991/92	1995/96	1996/97	1997/98
In Patients (all specialities)	2,015	2,105	2,509	2,411	2,495
Day cases	801	974	1,092	1,119	1,130
Accident & Emergency out patients	2,817	7,212	7,774	7,608	7,922
Total out patients (incl. A&E)	10,630	18,459	19,759	19,768	20,030

Source: Information & Statistics Division, National Health Service in Scotland

Housing

Ownership of dwellinghouses in Shetland

Type of Dwellings	1976	1981	1991	1996	1997	1998	1999
Local Authority & Housing Associations	2,082	2,713	2,566	2,455	2,409	2,359	2,622
Private & others	5,205	5,899	6,590	7,110	7,282	7,429	7,240
Total	7,287	8,612	9,156	9,565	9,691	9,788	9,862

Source: Assessor & Electoral Registration Office, Lerwick

Leisure Facilities

Leisure Centres

	1991/92	1995/96	1996/97	1997/98	1998/99
Clickimin	160,411	171,656	191,054	185,440	197,703
Unst	52,541	49,596	49,127	51,354	53,438
Yell	38,649	35,103	37,356	39,038	42,911
Whalsay	58,820	47,950	49,679	52,930	55,073

Swimming Pools

	1991/92	1995/96	1996/97	1997/98	1998/99
Lerwick	133,249	161,645	177,129	167,455	169,487
North Mainland	43,551	34,767	28,369	30,994	31,508
Unst*	11,789	10,458	9,438	10,584	10,454
Yell*	8,393	6,442	6,875	6,962	6,530
Whalsay*	20,928	14,558	14,842	15,001	15,767
South Mainland	—	33,679	32,925	32,631	31,194
Scalloway	—	32,111	33,850	34,839	35,165

Source: Shetland Recreational Trust

* Usage figures included in leisure centre totals.

Community Halls and Community Centres (by community work area)

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

Crime

The Shetland Area Command of the Northern Constabulary is run by the Northern Joint Police Committee, administered by Highland Council. In 1998/99, the requisition from Shetland Islands Council was £1,331,741, and in 1999/2000 will be £1,411,659.

Police Stations 1998

Single Officer Police Stations: 5 (Scalloway, Dunrossness, Baltasound, Mid Yell & Whalsay)

Section Stations under Sergeant-in-Charge: 1 (Brae)

Shetland Command Area Headquarters: 1 (Lerwick)

Police Establishment

1971	1981	1986	1991	1996	1997	1998
21	45	36	36	37	38	38

Crimes and Offences reported to the Police

	1981	1986	1991	1996	1997	1998
Group 1	24	24	21	14	15	24
Group 2	12	2	3	8	12	17
Group 3	352	345	279	347	417	303
Group 4	126	133	199	235	262	205
Group 5	83	71	53	151	118	100
Group 6	422	286	322	471	374	388
Group 7	874	926	1,278	524	992	724
Total	1,893	1,787	2,155	1,750	2,190	1,761

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

The detection rate in respect of crimes as detailed in groups 1-5 above was 71.1% in 1998.

Coastguard Services

HM Coastguard is part of the Maritime Coastguard Agency (MCA) and is an Executive Agency which discharges the Department of Environment, Transport & the Region's responsibility for maritime search and rescue and counter pollution operations in UK waters. Shetland Maritime Rescue Sub Centre (MRSC), located at the Knab in Lerwick, is manned 24 hours a day by a team of Coastguard Officers. 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 Coastguard and is available 24 hours a day.

Incidents Co-ordinated by Shetland Coastguard

1984	1986	1991	1996	1997	1998
64	62	104	123	156	146

1998 Statistics

Persons assisted	373	To Vessels:	
Persons rescued	58	Strandings (grounding)	6
Lives lost	4	Taking Water	5
		Capsized	1
To Persons:		Sail, gear, mast failure	3
Casevac/Medevac	57	Machinery failure	26
		Vessels overdue	6
		Adverse weather conditions	2
		Fire/Explosions	3
		Out of fuel	2
		Fouled propeller	12
		Uncertain position	4
		Fishing gear snagged	4
		Other	15

Sumburgh Coastguard Helicopter Missions

1983	1986	1991	1996	1997	1998
1	37	58	76	103	88

1998 Helicopter Missions

Medevacs	45
Assistance to offshore installations	10
Vessels sinking	8
Vessels afire or missing	6
Searches (including emergency transmissions)	6
Vessels aground or adrift	3
Missing persons	3
Other	7

Fire Service

The Fire Service in Shetland is run by the Highland and Islands Fire Brigade, administered by Highland Council. In 1998/99, the requisition from Shetland Islands Council was £798,000, and in 1999/2000 will be approximately £829,920.

Fire Units in Shetland 1998

Location	Establishment	Appliances
Retained:		
Lerwick	20 + 2 full-time officers	2 Water Tender Ladders 1 Light Fire Appliance
Brae	18	2 Water Tender Ladders
Volunteer:		
Mid Yell, Sumburgh, Sandwick, Walls, Mossbank, Scalloway, Baltasound, Whalsay, Hillswick, Skerries and Foula	8 - 13 per unit	1 Light Fire Appliance for each unit
Bixter, Bressay, Fair Isle, Fetlar, Hamnavoe and Papa Stour	5 - 11 per unit	1 Portable Pump, Hose and Ancillary Equipment
Total Retained and Volunteers	283	

Fires Attended

	1981	1986	1991	1996	1997	1998
Chimney fire	24	64	66	50	48	35
Special Services (pumping out boats, properties, road traffic accidents)	17	9	40	19	21	25
Property and small fires	54	42	54	45	39	58
False alarms, good intent	6	26	42	84	79	110
False alarms, malicious	2	4	3	22	9	9
Total	103	145	205	220	196	237

Source: Highland and Islands Fire Brigade

Postal Services

Post Office Employees

	1991		1996		1998	
	Royal Mail Delivery	PO Counters Ltd	Royal Mail Delivery	PO Counters Ltd	Royal Mail Delivery	PO Counters Ltd
Full Time Staff	41	7	41	6	41	6
Part Time Staff	26	1	26	3	27	3
Sub Postmasters	-	29 (FT)	-	20 (FT)	-	19 (FT)
	-	23 (PT)	-	27 (PT)	-	25 (PT)
Ancillary Staff	8	0	5	0	4	0
Total	75	60	72	56	72	53

Source: Royal Mail & PO Counters Ltd., Lerwick

Letters Posted Weekly

1972	1977	1981	1986	1991	1996	1997	1998
49,866	52,602	69,400	56,000	67,317	60,660	61,020	68,000

Source: Royal Mail, Lerwick

Television Licences

1972	1976	1981	1986	1991	1996	1997	1998	1999
4,574	5,463	6,647	6,480	7,013	7,965	7,971	8,146	8,178

Source: TV Licensing

Energy

Electricity Consumption Categories (megawatts)

	1971*	1981*	1985	1986	1987	1988	1989
Domestic	n/a	n/a	9,741	9,845	9,975	10,130	10,278
Farms	n/a	n/a	55	62	67	79	87
Industrial	n/a	n/a	1	1	1	1	2
Construction	n/a	n/a	4	7	15	6	17
Other Commercial	n/a	n/a	880	892	899	898	898
Miscellaneous	n/a	n/a	12	35	47	50	76
Total	7,169	10,211	10,693	10,842	11,004	11,164	11,358

* Breakdown of consumers in these categories available from 1985 to 1989 only

Electricity Generation

	1971/72	1981/82	1991/92	1996/97	1997/98	1998/99
Units Generated (kilowatt hours)	32,319,000	143,539,222	170,023,850	203,300,000	201,604,060	210,214,410
Maximum demand (megawatts)	11.69	36.0	41.2	40.2	45.0	41.4

Hydro-Electric Distribution (kilometres)

	1971	1981	1991	1996	1997	1998
33,000 Volt overhead lines	24.7	98.0	128.3	133.0	133.0	133.0
33,000 Volt underground cables	0.0	3.7	11.6	11.6	11.6	11.6
11,000 Volt overhead lines	705.9	756.2	843.0	879.0	884.0	887.0
11,000 Volt underground cables	15.1	65.5	99.3	111.0	116.0	120.0
Low Voltage overhead lines	340.1	345.6	324.5	294.0	286.0	282.0
Low Voltage underground cables	18.9	65.6	122.7	163.0	171.0	179.0

Figures from 1991 onwards are approximations only

Source: Hydro-Electric

Water and Wastewater Services

Water and wastewater services in Shetland are provided by the North of Scotland Water Authority, which took over responsibility from Shetland Islands Council on 1 April 1996. The North of Scotland Water Authority was established under the Local Government etc. (Scotland) Act 1994 as a public corporation of a trading nature and formally constituted by the Secretary of State for Scotland on 17 July 1995. The Shetland Area office of the Authority is located at Green Head, Lerwick.

Water Supplied (millions of litres)

1976	1981	1986	1991	1996	1997	1998
2,627	4,964	4,607	4,691	3,990	3,767	3,939

The Water Supply (Water Quality) (Scotland) Regulations came into force in 1990. Many thousands of water samples are now taken throughout Shetland during each year. These are analysed and compared against a number of different parameters.

Microbiological Quality (percentage compliance)

1991	1996	1997	1998
97.20	99.18	99.88	99.87

1998 Statistics

Water connections:	Domestic	9,436
	Non-domestic	1,103
Sewer connections:	Domestic	6,636
	Non-domestic	704
Length of water mains (km)		998
Length of sewers (km)		362
Wastewater Treatment Plants (inc. septic tanks)		59

The Authority maintains a programme for the decommissioning of small and inefficient rural water-works and for the linking of these supply zones to larger works such as Lerwick (Sandy Loch) or Northmavine (Eela Water). This ensures better control of water quantity and quality.

	1981	1996	1997	1998
Water Treatment Works (excluding rechlorination stations)	28	18	18	18

Source: North of Scotland Water Authority

Conservation

Buildings of Special Architectural or Historic Interest

The First Minister for Scotland compiles lists of Buildings of Special Architectural or Historic Interest in order that such buildings may be identified and appropriate measures for their conservation can be taken. The list for Shetland is sub-divided into categories. Category A buildings are of national and international importance whilst those in Category C(s) are of more local interest, of lesser importance or altered.

	Cat. A	Cat. B	Cat. C(s)	Total	List Published
Bressay	1	10	3	14	26/03/97
Delting	0	10	4	14	26/03/97
Dunrossness	4	18	8	30	26/03/97
Fetlar	0	3	3	6	30/03/98
Lerwick	3	57	47	107	12/08/96
Lerwick Landward	0	1	1	2	26/03/97
Nesting	0	14	8	22	30/03/98
Northmavine	0	10	8	18	26/03/97
Sandsting & Aithsting	2	7	6	15	26/03/97
Tingwall	1	5	15	21	1970s
Unst	3	10	12	25	30/03/98
Walls & Sandness	0	13	10	23	30/03/98
Yell	2	10	18	30	30/03/98
Total	16	168	143	327	

Conservation Areas

Conservation Areas are areas of architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. The designation recognises the value of groups of buildings and their settings and allows them to be treated as a whole. Within Conservation Areas planning authorities must ensure that strict and appropriate standards of development control are maintained and that positive plans are prepared for the preservation and enhancement of the area. The Council, as Planning Authority, has designated three Conservation Areas in Shetland: Lerwick Lanes Outstanding Conservation Area (designated in 1975); Lerwick New Town Conservation Area (1986); and Scalloway Conservation Area (1984).

Scheduled Ancient Monuments

The First Minister maintains a schedule of ancient monuments of national importance and publishes a list of them from time to time. The only Scottish category not represented in Shetland is for Roman monuments.

Ancient Monuments

There were 353* scheduled ancient monuments as at 31 March 1999 in the following categories:

Prehistoric: ritual and funerary	93
Prehistoric: domestic and defensive	198
Crosses and carved stones	1
Ecclesiastical	19
Secular	39
Industrial	13

* Some monuments appear in more than one category. Eight monuments are in the care of the First Minister for Scotland

Source: Environment & Transportation Department, SIC

Archaeology

Shetland Amenity Trust maintains the Shetland Sites and Monuments Record, a record of all the known sites in Shetland. The record is constantly expanding, both as the result of survey work being carried out by the Trust's Archaeology team, visiting universities, and reports from the general public. The record incorporates sites of all periods, up to and including the crofting period, the Second World War and the Cold War.

The current number of recorded archaeological sites is 5624.

These include:

Broch/possible broch	138
Burnt mounds	324
Chambered Cairns	115
Viking/Norse houses	44
Souterrains	21
Military remains	348
Fishing Stations	22
Wheelhouses	5

Excavation in 1999 is being carried out at Old Scatness (Broch and Iron Age Village) and at St Ninian's Isle (chapel site).

Visitor numbers to Old Scatness in 1998: 3802

Nature Conservation

Scottish Natural Heritage is the independent government agency responsible for safeguarding and enhancing Scotland's countryside and wildlife, and promoting the understanding and enjoyment of the natural heritage.

Statutory Conservation Sites in Shetland

3 National Nature Reserves (NNR):	Herma Ness (Seabird Colony)	980.3 ha.
	Keen of Hamar (Serpentine Flora)	51.3 ha.
	Noss (Seabird Colony)	313.0 ha.

78 Sites of Special Scientific Interest (SSSI)

Geology – 31 sites	Marsh & Meadow – 4 sites	Rare Plants – 5 sites
Geomorphology – 7 sites	Limestone Grassland – 1 site	Seabirds – 9 sites
Montane Habitats – 1 site	Sand Dune Flora – 2 sites	Moorland Birds – 11 sites
Serpentine Vegetation – 4 sites	Trees & Woodland – 4 sites	Wildfowl – 3 sites
Other Heathland – 4 sites	Intertidal Habitats – 6 sites	Aquatic Fauna – 3 sites
Peatland – 4 sites	Aquatic Flora – 6 sites	Mammals – 3 sites

Note: Some sites are notified for more than one feature of interest.

10 of the ornithological sites are also designated as Special Protection Areas under the EC Birds Directive. A further 9 sites have been put forward as candidate Special Areas of Conservation under the EC Habitats & Species Directive.

Total area covered by statutory conservation sites is 16,988 hectares which represents 11.6 per cent of the total area of Shetland.

Approximate area coverage:

Foula – 2 sites	100%	Noss – 1 site	100%
Fetlar – 6 sites	70%	Mainland & uninhabited islands	9%
Fair Isle – 1 site	66%	– 45 sites (1 shared with Yell)	4%
Papa Stour – 1 site	79%	Yell – 7 sites (1 shared with Mainland)	0.1%
Unst – 15 sites	21%	Muckle Roe – 1 site	

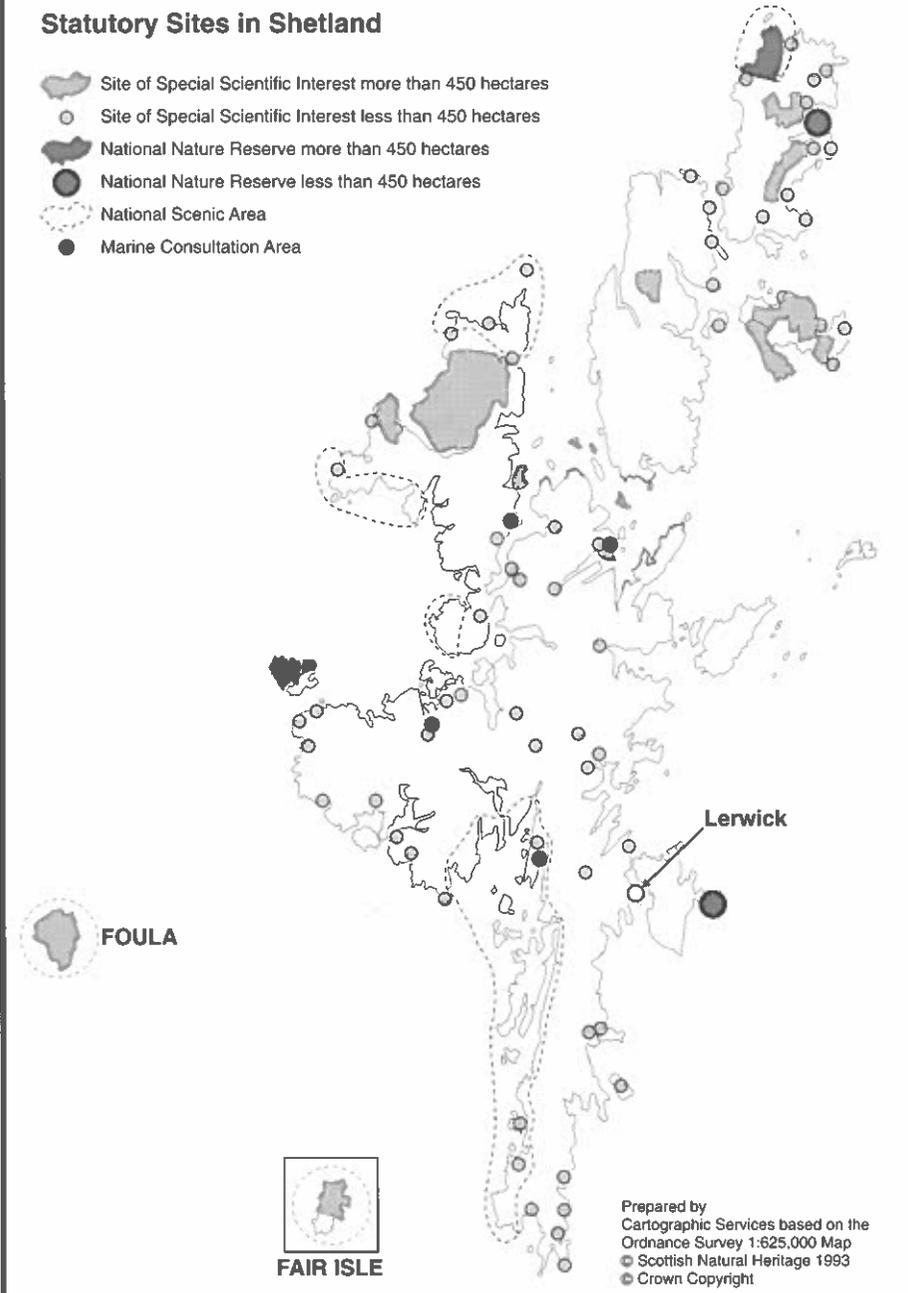
Wildlife

Latest population estimates for selected species are as follows:

Species	Population	Proportion of GB population
Red-necked Phalarope	30-40 pairs	95%
Whimbrel (tang-whaup)	500 + pairs	95%
Great Skua (bonxie)	6,000 pairs	76%
Arctic Skua (skootie alan)	1,900 pairs	61%
Red-throated Diver (raingoose)	400 pairs	50%
Arctic Tern (tirrick)	30,000 pairs	40%
Fulmar (maalie)	250,000 + pairs	35%
Black Guillemot (tystie)	12,000 adults	30%
Shag (skarft)	6,000 pairs	27%
Puffin (tammie norie)	100,000 pairs	20%
Gannet (solan)	17,000 pairs	16%
Grey Seal (selkie)	3,500 individuals (excluding pups)	18%
Otter (dratsie)	800-1,000 individuals	12%
Common Seal (selkie)	6,000 + individuals	3%

Statutory Sites in Shetland

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



Electoral Statistics

European Assembly Election results in the Scottish Region:

JUNE 1999

Labour Party	283,490
Scottish National Party (SNP)	268,528
Scot. Conservative & Unionist Party	195,296
Scottish Liberal Democrats	96,971
Scottish Green Party	57,142
Scottish Socialist Party	39,720
Pro Euro Conservative	17,781
UK Independence Party	12,549
Socialist Labour Party	9,385
British National Party	3,729
Natural Law Party	2,087
Charles F.Y. Lawson	1,632

Total Electorate: 3,999,623

Scottish MEPs: David Martin (Labour Party), Ian Hudghton (SNP), Struan Stevenson (Conservative & Unionist Party), William Miller (Labour Party), Donald MacCormick (SNP), John Purvis (Conservative & Unionist Party), Elspeth Attwooll (Scottish Liberal Democrats), Catherine Taylor (Labour Party)

(Voting in the UK Parliamentary Constituency of Orkney & Shetland)

Scottish Liberal Democrats	2,233
Scottish National Party (SNP)	1,571
Scot. Conservative & Unionist Party	1,336
Labour Party	1,097
Scottish Green Party	732
Scottish Socialist Party	200
UK Independence Party	162
Pro Euro Conservative Party	156
Socialist Labour Party	52
British National Party	31
Natural Law Party	28
Charles F.Y. Lawson	14

Electorate: 32,470 (Shetland: 16,978; Orkney: 15,492)

General Election results in the Orkney and Shetland UK Parliamentary Constituency:

APRIL 1992

James Wallace (Lib Dem)	9,575
Paul McCormick (Con)	4,542
John Aberdein (Lab)	4,093
Frances McKie (SNP)	2,301
Christian Wharton (Natural Law)	115
Lib Dem Majority	5,033

Electorate: 31,472
(Shetland: 16,235; Orkney: 15,237)

MAY 1997

James Wallace (Lib Dem)	10,743
James Paton (Lab)	3,775
Willie Ross (SNP)	2,624
Hope Anderson (Con)	2,527
Francis Adamson (Referendum)	820
Christian Wharton (Artist, Teacher)	116
Arthur Robertson (Independent)	60
Lib Dem Majority	6,968

Electorate: 32,291
(Shetland: 17,015; Orkney: 15,276)

Scottish Referendum:

SEPTEMBER 1997

Votes cast in Shetland:

"I agree that there should be a Scottish Parliament"	5,430 (62.38% of votes cast)
"I do not agree that there should be a Scottish Parliament"	3,275 (37.62% of votes cast)
"I agree that a Scottish Parliament should have tax varying powers"	4,478 (51.61% of votes cast)
"I do not agree that a Scottish Parliament should have tax varying powers"	4,198 (48.39% of votes cast)

Electorate (Shetland): 16,954

Scottish Parliamentary Election results in the Shetland Constituency:

MAY 1999

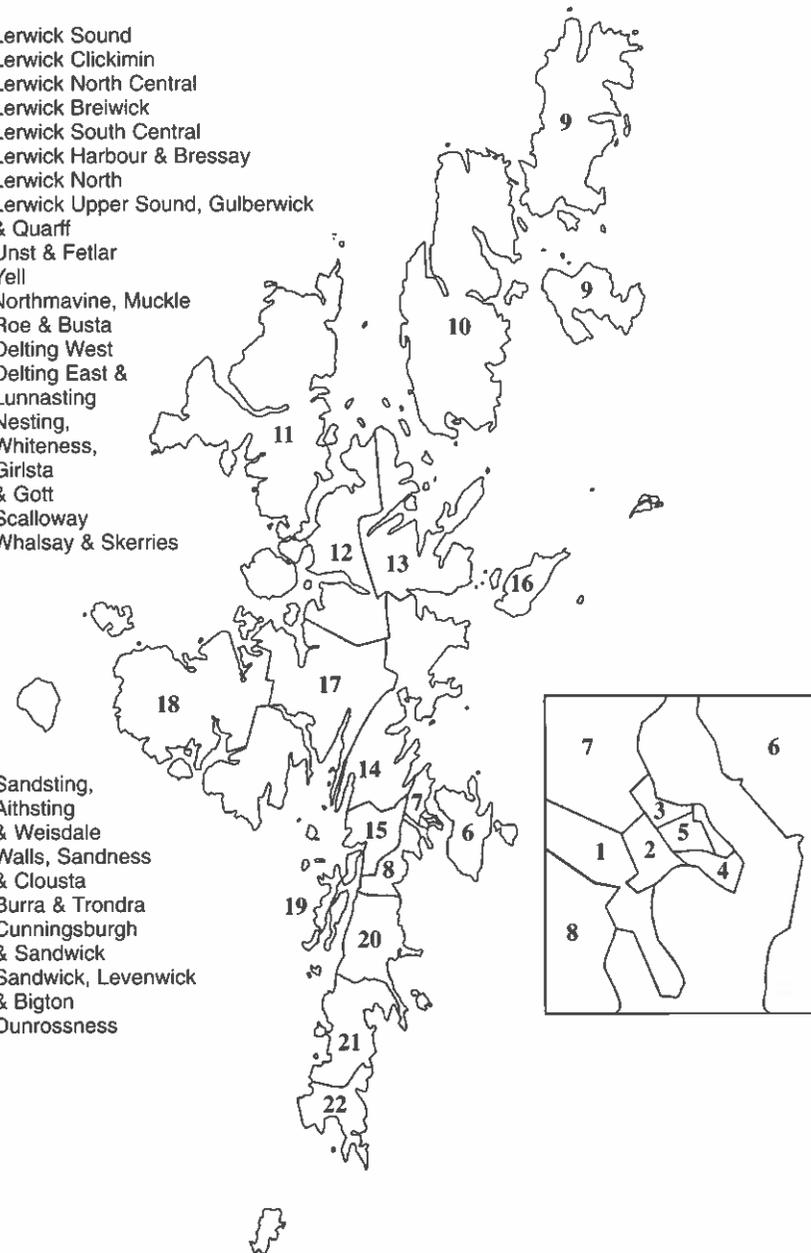
Tavish Scott (Scottish Liberal Democrat)	5,435
Jonathan Willis (Scottish Labour Party)	2,241
Willie Ross (SNP)	1,430
Gary Robinson (Scottish Conservative & Unionist Party)	872
Scottish Liberal Democrat majority	3,194

Electorate: 16,978

Local Government Electoral Divisions

- 1 Lerwick Sound
- 2 Lerwick Clickimin
- 3 Lerwick North Central
- 4 Lerwick Breiwick
- 5 Lerwick South Central
- 6 Lerwick Harbour & Bressay
- 7 Lerwick North
- 8 Lerwick Upper Sound, Gulberwick & Quarff
- 9 Unst & Fetlar
- 10 Yell
- 11 Northmavine, Muckle Roe & Busta
- 12 Delting West
- 13 Delting East & Lunnasting
- 14 Nesting, Whiteness, Girdsta & Gott
- 15 Scalloway
- 16 Whalsay & Skerries

- 17 Sandsting, Aithsting & Weisdale
- 18 Walls, Sandness & Clousta
- 19 Burra & Trondra
- 20 Cunningsburgh & Sandwick
- 21 Sandwick, Levenwick & Bigton
- 22 Dunrossness



Shetland Islands Council

Members (May 1999 – May 2002)

Ward	Councillor
1 Lerwick Sound	Christine M. Begg , 10 Westerloch Brae, Lerwick (Scottish Liberal Democrat) (Electorate 599. Elected unopposed)
2 Lerwick Clickimin	William N. Stove , 1 Lovers Loan, Lerwick (Independent) (Electorate 771. Elected unopposed)
3 Lerwick North Central	Alexander J. Cluness , 5 Twageos Road, Lerwick (Scottish Liberal Democrat) (Electorate 811. 425 votes: 52% poll – 65% of votes cast)
4 Lerwick Breiwick	Cecil B. Eunson , 68 Breiwick Road, Lerwick (Independent) (Electorate 839. 550 votes: 66% poll – 60% of votes cast)
5 Lerwick South Central	Leslie Angus , 12 Lovers Loan, Lerwick (Scottish Liberal Democrat) (Electorate 823. Elected unopposed)
6 Lerwick Harbour & Bressay	Robert I. Black , Melview, Bressay (Electorate 721. 496 votes: 69% poll – 45% of votes cast)
7 Lerwick North	Robert J. Anderson , 54 Breiwick Road, Lerwick (Scottish Liberal Democrat) (Electorate 673. 342 votes: 51% poll – 67% of votes cast)
8 Lerwick Upper Sound, Gulberwick & Quarff	Peter Malcolmson , Skersound, Upper Sound, Lerwick (Scottish Liberal Democrat) (Electorate 890. Elected unopposed)
9 Unst & Fetlar Unst	James M. Ritch , Flat 1, Muckle Flugga Shore Strn., Haroldswick, (Scottish Liberal Democrat) (Electorate 690. 445 votes: 64% poll – 57% of votes cast)
10 Yell	John P. Nicolson , 10 Gibblestone Road, Scalloway (Scottish Liberal Democrat) (Electorate 818. Elected unopposed)
11 Northmavine, Muckle Roe & Busta	William H. Manson , Mangaster, Sullom (Independent) (Electorate 726. 469 votes: 65% poll – 54% of votes cast)
12. Delting West	William A. Ratter , Gaets-A-Voe, Ollaberry (Electorate 735. Elected unopposed)
13 Delting East & Lunnasting	Mary U. Colligan , Vendaal, Voe (Independent) (Electorate 759. 447 votes: 59% poll – 54% of votes cast)
14 Nesting, Whiteness, Girlsta & Gott	James C. Irvine , 20 Twageos Road, Lerwick (Electorate 849. Elected unopposed)
15 Scalloway	Iris J. Hawkins , 48 Sycamore Avenue, Scalloway (Independent) (Electorate 875. 526 votes: 60% poll – 50% of votes cast)

Ward	Councillor
16 Whalsay & Skerries	Loretta Hutchison , Ankerhus, Hillhead, Symbister, Whalsay (Independent) (Electorate 848. Elected unopposed)
17 Sandsting, Aithsting & Weisdale	Florence B. Grains , Hoove, Whiteness (Independent) (Electorate 984. Elected unopposed)
18 Walls, Sandness & Clousta	Frank A. Robertson , Columbus, Selivoe, Bridge of Walls (Scottish Liberal Democrat) (Electorate 669. 409 votes: 61% poll – 70% of votes cast)
19 Burra & Trondra	Charles A. Goodlad , Cutts, Trondra (Electorate 770. 450 votes: 58% poll – 60% of votes cast)
20 Cunningsburgh & Sandwick	Thomas W. Stove , Nordaal, Setter, Sandwick (Independent) (Electorate 765. 506 votes: 66% poll – 56% of votes cast)
21 Sandwick, Levenwick & Bigton	William Tait , Bonavista, East Ireland, Bigton (Independent Liberal Democrat) (Electorate 765. 537 votes: 70% poll – 37% of votes cast)
22 Dunrossness	Gordon G. Mitchell , Thistles, Bigton (Independent) (Electorate 769. 494 votes: 64% poll – 54% of votes cast)

Council Departments

Chief Executive: Morgan Goodlad, Town Hall, Lerwick, ZE1 0HB

Department	Director	Address
Commercial Services	Deborah Lamb	Gremista, Lerwick
Development	Alvin Bashforth	Green Head, Lerwick
Education & Community Services	Jim Halcrow	Hayfield House, Hayfield Lane, Lerwick
Environment & Transportation	Graham Spall	Grantfield, Lerwick
Finance & Housing	Andrew Matthews	Breiwick House, South Road, Lerwick
Marine Operations	George Sutherland	Port Administration Buildings, Sella Ness, Sullom Voe
Social Work	Bill Bennett	Quendale House, 31 Commercial Street, Lerwick

Shetland Islands Council Finance

	1998/99			1999/2000 (budget)		
Services Provided by Shetland Islands Council	Revenue Expend. £'000	Capital Charges £'000	Total Expend. £'000	Revenue Expend. £'000	Capital Charges £'000	Total Expend. £'000
GENERAL FUND EXPENDITURE						
Development	4,063	418	4,481	2,196	386	2,582
Education	24,448	3,560	28,008	26,141	3,568	29,709
Environment & Transportation	12,856	4,093	16,950	14,313	3,667	17,980
Community Services	3,238	106	3,344	2,750	76	2,826
Housing	705	13	719	1,251	14	1,266
Marine Operations	5,839	673	6,513	6,375	584	6,960
Policy and Resources	9,082	(18,765)	(9,682)	11,080	(10,048)	1,031
Social Work	6,974	334	7,307	7,919	338	8,256
Committee Expenditure	67,206	(9,566)	57,640	72,025	(1,416)	70,610

Source of Finance:

Revenue Support Grant		(47,915)		(48,190)
Non-Domestic Rates		(6,631)		(6,382)
Council Tax		(3,529)		(4,142)
Contributions and balances		(1,075)		(11,896)
General Fund Balance		(1,511)		0

HARBOUR ACCOUNT EXPENDITURE

Harbour Operations	15,758	2,093	17,851	16,859	2,130	18,989
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Source of Finance:

Tanker Traffic		(7,825)		(8,214)
Mooring Charges		(343)		(445)
Boarding & Landing		(333)		(356)
Pilotage		(296)		(903)
Grants and Reimbursements		(3)		(3)
Other Income		(9,053)		(9,068)

Harbour Account Balance		0		0
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HOUSING REVENUE ACCOUNT EXPENDITURE

Housing Services	3,423	6,519	9,942	3,212	6,225	9,437
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Source of Finance:

Housing Support Grant		(2,964)		(2,708)
Rents and Other Client Income		(5,325)		(5,321)
Financing and Contributions		(1,653)		(1,400)

Housing Revenue Account Balance		0		0
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Source: Finance & Housing Department, SIC

Rating and Valuation

	Non-Domestic	Rate per £ Domestic	Water	Total Non-Domestic R/V	Total Rateable Value £
1976/77	140p	113p	20p	n/a	463,641
1977/78	161p	130p	25p	n/a	584,996
1978/79*	45p	42p	10p	n/a	6,234,214
1979/80	50p	47p	11p	n/a	15,529,780
1980/81	75p	72p	14p	n/a	25,311,238
1981/82	79p	76p	10p	n/a	31,129,489
1982/83	95p	92p	10p	n/a	32,476,067
1983/84	111p	108p	11.5p	n/a	25,990,632
1984/85	123p	120p	6p	n/a	25,751,883
1985/86*	58p	50p	3.5p	62,870,356	65,925,451
1986/87	59p	52p	3.5p	63,333,199	66,465,033
1987/88	59p	52p	3p	63,048,562	66,248,965
1988/89	108p	101p	7.5p	62,728,990	66,006,192

* Revaluation: 1 April 1978 and 1985, as well as 1990 & 1995.

	1995/96 Pence per £	1996/97* Pence per £	1997/98* Pence per £	1998/99 Pence per £	1999/2000 Pence per £
Non-Domestic Rates					
General	43.2	44.90	45.80	47.40	48.90
Water	9.2	9.75	10.43	10.43	9.72
Sewerage	7.6	8.06	8.62	8.62	6.12
Total	60.0	62.71	64.85	66.45	64.74
Council Tax (Band D)	(£)	(£)	(£)	(£)	(£)
General	358.60	443.21	486.00	558.00	621.00
Sewerage	69.62	65.50 gross 4.50 net	70.00 gross 29.26 net	80.00 gross 60.52 net	90.60
Water	118.36	116.00	111.00	110.00	119.15
Total	546.58	563.71	626.26	728.52	830.75

* Water and sewerage services passed to North of Scotland Water Authority on 1 April 1996. Domestic sewerage charges were subject to transitional relief grants, hence the gross & net figures given above for 1996/97 - 1998/99.

Council Tax 1999/2000

Band	Property Value	General Fund Council Tax (£)
A	Up to £27,000	414.00
B	£27,001 - £35,000	483.00
C	£35,001 - £45,000	552.00
D	£45,001 - £58,000	621.00
E	£58,001 - £80,000	759.00
F	£80,001 - £106,000	897.00
G	£106,001 - £212,000	1,035.00
H	Over £212,001	1,242.00

Source: Finance & Housing Department, SIC and NOSWA

Community Councils

Community Council	Clerk	Tel.
Aithsting & Sandsting	Ms Laurena Fraser, West Burrafirih, Bridge of Walls	(01595) 809203 (Home)
Bressay	Mrs Erica Black, 6 Fullaburn, Bressay	(01595) 820717 (Home)
Burra & Trondra	Mrs Joyce Adamson, 12 Atlanness, Hamnavoe, Burra	(01595) 859426 (Home)
Delting	Mrs Vera Clark, Braehead, Mossbank	(01806) 242282 (Home)
Dunrossness	Mrs Nancy Heubeck, Mansefield, Skelberry, Dunrossness	(01950) 460304 (Home)
Fetlar	Ms Brenda Thomason, Tresta, Fetlar	(01957) 733221 (Home)
Gulberwick, Quarff & Cunningsburgh	Mr Robert Jarmson, Meal, Cunningsburgh	(01950) 477259 (Home)
Lerwick	Mrs Morag MacLeod, Community Council Office, Stouts Court, Lerwick	(01595) 692447
Nesting & Lunnasting	Mrs Marion Stonehouse, Kirkabister, Vidlin	(01806) 577283 (Home)
Northmavine	Mrs Frances Williamson, Kerika, Ollaberry	(01806) 544211 (Home)
Sandness & Walls	Ms Laurena Fraser, West Burrafirih, Bridge of Walls	(01595) 809203 (Home)
Sandwick	Mrs Rosemary Inkster, Wainui, Hoswick, Sandwick	(01950) 431284 (Home)
Scalloway	Mrs Sandra Reynolds 12 Berry Road, Scalloway	(01595) 880429 (Home)
Unst	Mrs Josie McMillan Rockfield, Haroldswick, Unst	(01957) 711554 (Home)
Whalsay & Skerries	Mrs Hazel Simpson, Old Haa, Symbister, Whalsay	(01806) 566224 (Home)
Whiteness, Weisdale and Tingwall	Mrs Thelma Jamieson, Varhjem, Upper Strand, Gott	(01595) 840489 (Home)
Yell	Mrs Patricia Odie, Kirkbrae, Burravoe, Yell	(01957) 722315 (Home)
Association of Shetland Community Councils	Secretary: Mr James C. Irvine, 11 Mounthooly Street, Lerwick	(01595) 693816

Source: Administrative Services Division, SIC

Culture and Media

Best Sellers 1998

Shetland Interest Books
1 April 1998 – 31 March 1999

- The Shetland Bus**
David Howarth
- In a World a Wir Ane:**
A Shetland Herring Girl's Story
Susan Telford
- A Picture Guide to Shetland**
Various
- Kirstie's Witnesses**
Sheenagh Pugh
- A Lass from the Lanes**
James W. Irvine
- A Vehement Thirst after Knowledge:**
Four Centuries of Education in Shetland
John Graham
- Trout Fishing in Shetland**
Shetland Anglers' Association
- Shetland**
Norman Newton
- Shetland Lace**
Gladys Amedro
- Bobby Tulloch's Shetland**
Bobby Tulloch

Source: Shetland Times Bookshop

Shetland CD & Music Cassette
Local Retail Sales
1 April 1998 – 31 March 1999

- I'll Tell Dee a Story**
Alex Couper
- See Dee**
Pete Stack & Da Rayburns
- Hamnataing**
Fiddlers' Bid
- Time & Tide**
Filska
- Strikes Again**
Da Fustra
- Waiting for Venus**
Sheila Henderson
- Oceans Apart**
High Strings
- Crude**
Bongshang
- Sunset Red & Pale Moonlight**
May & Mackie
- Leaving Lerwick Harbour**
Willie Hunter & Violet Tulloch

Source: Shetland Arts Trust

Media

	Av. Sales per issue 1998		
The Shetland Times	Weekly	10,995	(Jun '97 – Dec '98)
Shetland Fishing News	Monthly	1,650	
Shetland Life	Monthly	2,630	(Nov '97 – Oct '98)
New Shetlander	Quarterly	2,000	

Source: Shetland Fishing News, The Shetland Times & Shetland Council of Social Service

Local Radio

BBC (Radio) Shetland	5 nights weekly
SIBC (Shetland Islands Broadcasting Company)	24 hr

Shetland Interest Publications

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 0AJ. Tel: (01595) 695531. Fax: (01595) 692897. E-mail: bookshop@shetland-times.co.uk

General Interest

		£
Baxter, C. & Crumley, J.	Shetland – Land of the Ocean	16.00
Finnie, M.	Shetland, An Illustrated Architectural Guide	6.00
Jackson, Bill	Images of Shetland	6.99
Nicolson, J. R.	Traditional Life in Shetland	7.95
Powell, M.	Edge of the World, the Making of a Film (Foula)	8.99
Shetland Times	A Picture Guide to Shetland	4.95

Economy, Archaeology & History

		£
Anderson, Peter D.	Black Patie: Earl Patrick Stewart	12.50
Ballantyne, John & Smith, Brian	Shetland Documents 1580-1611	22.00
Brown, Callum G.	Up-Helly-Aa: Customs, Culture & Community in Shetland	11.00
Crawford, B. E.	Northern Isles Connections	14.99
Donaldson, G.	Court Book of Shetland 1615-1629	8.50
Donaldson, G.	Isles of Home	15.00
Eastwood, M. & J.	E. B. Jamieson – Anatomist & Shetlander	9.99
Fojut, N.	A Guide to Prehistoric and Viking Shetland	12.00
Fojut & Pringle	Ancient Monuments of Shetland	3.95
Graham, John	A Vehement Thirst After Knowledge: Four Centuries of Education in Shetland	20.00
Graham, L. & Smith, B. (Ed)	MacDairmid in Shetland	7.95
Grieg, Robert M.	Doing His Bit: A Shetland Soldier in The Great War	8.99
Halcrow, A.	The Sail Fishermen of Shetland	11.95
Howarth, David	The Shetland Bus	7.95
Irvine, Fred	Pictures from Shetland's Past	3.60
Irvine, J. W.	Through Storm to Calm 1939-1950	7.20
Johnson, L.	Wrestlers with the Troubled Sea	4.25
Manson, Thomas	Lerwick During the Last Half Century (1867-1917)	21.00
Newton, Norman	Shetland	7.99
Nicolson, James R.	Shetland Fishermen – Celebrating 50 years of the Shetland Fishermens' Association	15.99
Nicolson, James R.	Hay and Co., Merchants in Shetland	7.95
Nicolson, James R.	The Swan – Shetland's Legacy of Sail	9.95
Peterson, J. P.	The History of Shetland Football 1887-1987	11.95
Roberts, Fred	Ultima Thule – Recollections of Shetland Holidays in the 1930s – in Pictures	12.00
Robson, A.	Saga of a Ship: Earl of Zetland	12.00
Sandison, Charles	Sixareen and her Racing Descendents	4.50
Sandison, Ronald	Christopher Sandison of Eshaness (1781-1870) – Diarist in an Age of Social Change	24.00
Somner, G.	From 70 North to 70 South (History of the Salvesen Fleet)	5.99
Telford, Susan	In a World a Wir Ane: A Shetland Herring Girl's Story	7.99
Thomason, Edward	Island Challenge	18.00
Turner, Val	Ancient Shetland	15.99

Turner, Val (Ed.)
Walls Regatta Club

The Shaping of Shetland
Walls Regattas 1895-1996

12.00
7.50

Natural Environment & Wildlife

		£
Copland, John	Hardy Plants in the North	5.99
Dymond, J.	The Birds of Fair Isle	5.95
Gammack, Joyce	A Shetland Nature Diary	9.95
Gosling, A. (Ed)	A Century of Shetlands 1890-1990	12.00
Guy, Peter	Walking the Coastline of Shetland, The Island of Yell	6.95
Guy, Peter	Walking the Coastline of Shetland, No. 2 (Unst)	4.99
Guy, Peter	Walking the Coastline of Shetland, No. 3 (Fetlar)	4.99
Guy, Peter	Walking the Coastline of Shetland, No. 4 (Northmavine)	4.00
Guy, Peter	Walking the Coastline of Shetland, No. 5 (Westside)	6.95
Harrop, Hugh	Where to Watch Birds	4.00
Hodson, A.	Shetland Ponies	16.95
Jamieson, Harry	Harry's Shetland Fishing Almanac 1999	3.60
Johnston, J. Laughton	A Naturalist's Shetland	27.95
Malcolm, D.	Shetland's Wild Flowers	6.95
Russell, V.	Shetland Ponies	12.99
Shetland Anglers' Association	Trout Fishing in Shetland	9.95
Tulloch, Bobby	A Guide to Shetland's Breeding Birds	9.95
Welsh, M.	Walks on Shetland	6.50

Language, Folklore, Fiction, Poetry and Music

		£
Anderson, Tom	Ringin' Strings	6.00
Anderson, Tom	Gies an A'	6.00
Anderson, Tom	The Tom Anderson Collection, Volume One	7.95
Barnes, Michael P.	The Norn Language of Orkney & Shetland	9.95
Bulter, Rhoda	Snyvveries	3.60
Cluness, A. T.	Told Round the Peat Fire	9.85
Cooper, Susan	Key Notes: The History of the Lerwick Orchestra	9.00
De Luca, Christine	Wast Wi' Da Valkyries	8.99
Graham, J. J.	Shadowed Valley	9.95
Graham, J. J. & Tait, J.	The Shetland Folk Book, Volume 9	10.50
Guy, Christine	Songs and Sights of Shetland	7.99
Hunter, William A.	Tunes Composed by William A. Hunter, Shetland	8.50
Jakobsen, J.	Place Names of Shetland	7.99
Jamieson, F. & R.	Leveneep Head	6.00
Jamieson, F. & R.	Vidlin Voe	7.50
Polson, Sam	Unst Fiddle Tunes	6.50
Pugh, Sheenagh	Kirstie's Witnesses	8.95
Ritch, P. J.	Mother Wave – Collection of Verse	6.95
Robertson, T. A. & Graham, J.	Grammar and Usage of the Shetland Dialect	6.95
Scott, Sir Walter	The Pirate	8.99
Stove, Magnus J.	The Shetland Violinist	6.50
Watt, Jessie	Holm Sweet Holm	10.00

Knitting

		£
Amedro, Gladys	Shetland Lace	15.95
Fryer, L. G.	Knitting by the Fireside and on the Hillside	20.00
Simmons, J.	A Shetland Dye Book	4.50
Smith, M. & Bunyan, C.	A Shetland Knitter's Notebook	6.95
Smith, M. & Twatt, M.	A Shetland Pattern Book	4.95

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	1.016
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	$F = \frac{9C}{5} + 32$
Fahrenheit : Centigrade	$C = \frac{5(F-32)}{9}$