



# SHETLAND in STATISTICS



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# Shetland in Statistics



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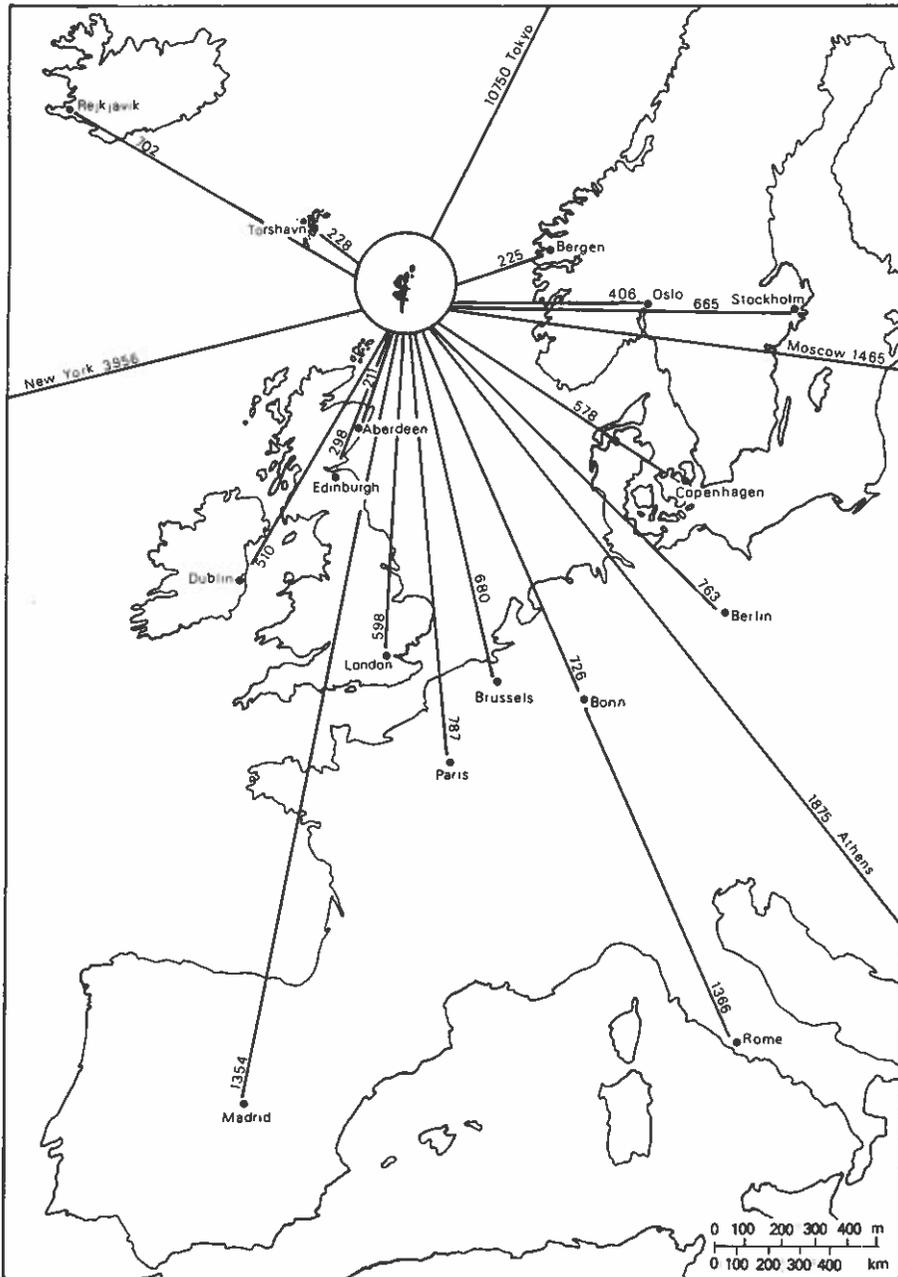
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## Shetland: Location

Lerwick is Lat. 60° 9' N and Long. 1° 9' W

Approximate distances  
from Shetland in statute miles



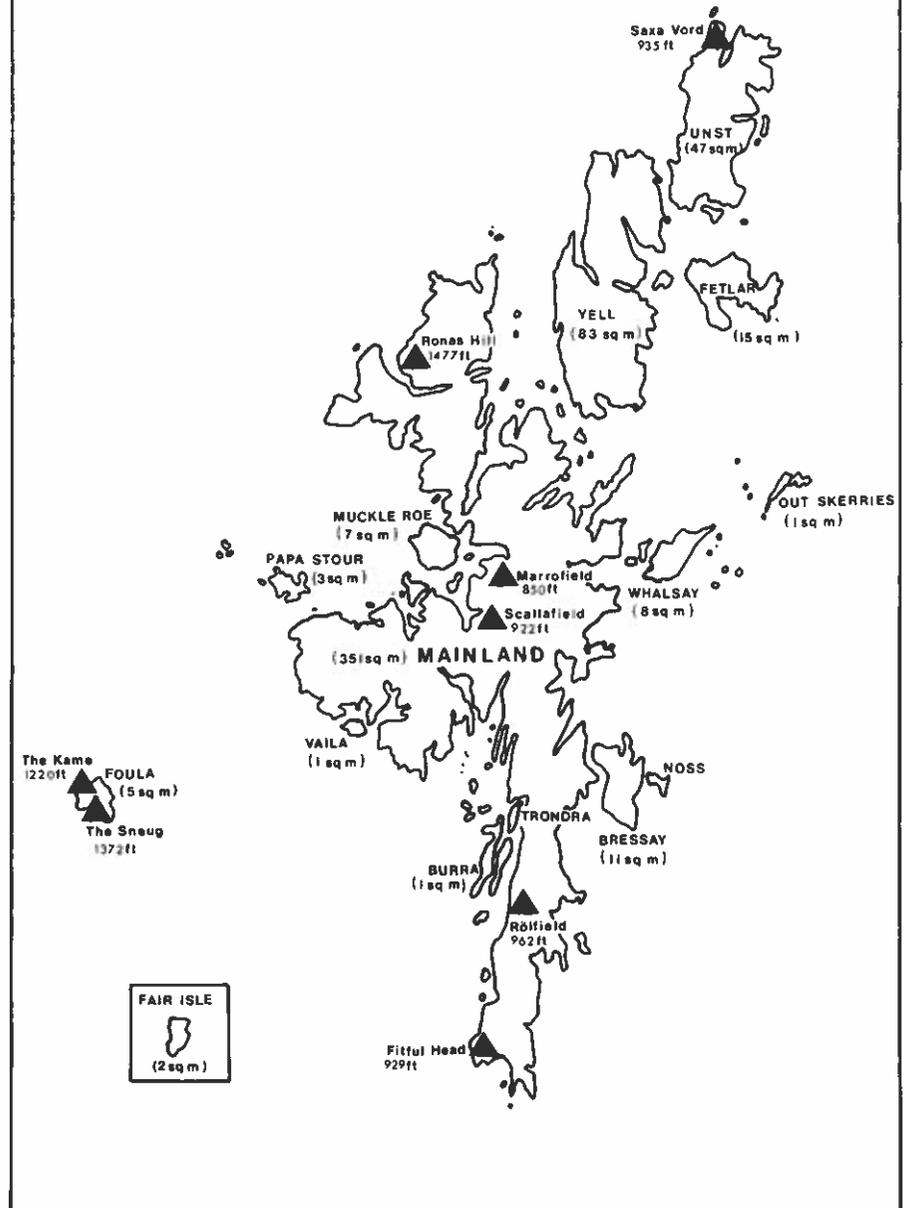
## Shetland: Physical Characteristics

Total area of Shetland: 552 square miles (1408 sq km)

Total length of coastline: approx 3000 miles (4800 km)

Number of islands: 100 +

Number of inhabited islands with bridge to Mainland: 4



### Distance by road in miles:kilometres from Lerwick

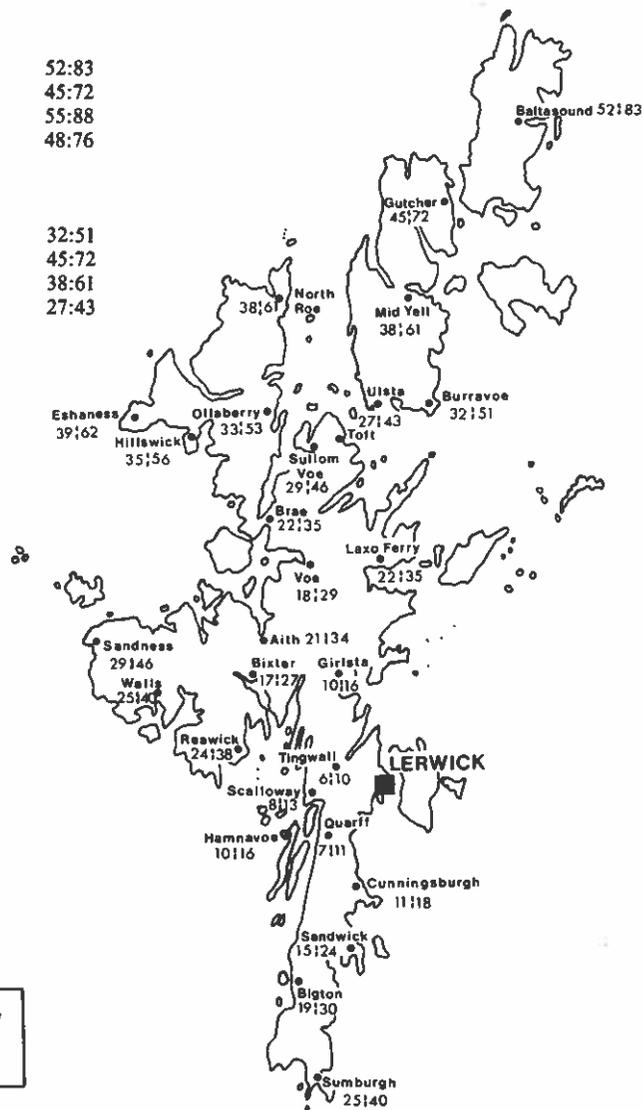
Aith	21:34	Laxo Ferry	22:35	Scalloway	8:13
Bigton	19:30	Levenwick	18:28	Skeld	25:40
Bixter	17:27	Mossbank	27:43	Sullom Voe	29:46
Brae	22:35	North Roe	38:61	Sumburgh	25:40
Cunningsburgh	11:18	Ollaberry	33:53	Tingwall	6:10
Eshaness	39:62	Quarff	7:11	Toft Ferry	27:43
Girlsta	10:16	Quendale	24:38	Vidlin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

#### Unst:

Baltasound	52:83
Belmont	45:72
Haroldswick	55:88
Uyeasound	48:76

#### Yell:

Burravoe	32:51
Gutcher	45:72
Mid Yell	38:61
Ulst	27:43



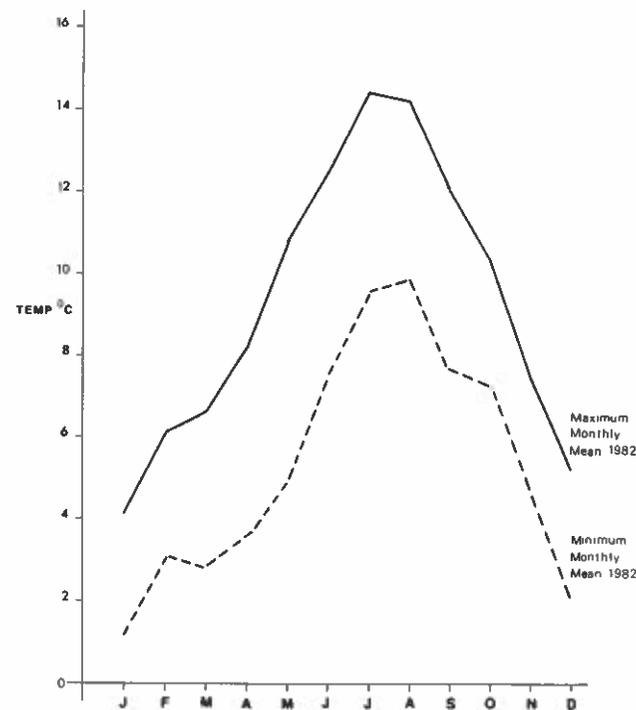
## Climate

Observations are recorded in Shetland by staff employed by the Meteorological Office at Lerwick and Sumburgh.

Observations from Lerwick Observatory began in 1921, although the first full year of recordings was not until 1922. The recorded meteorological observations from Lerwick Observatory for 1982 are as follows:

### Temperature (degrees C)

	1982 monthly mean		1941-70 monthly mean		Extreme daily values (1922-1982)	
	Max.	Min.	Max.	Min.	Max. (Year)	Min. (Year)
Jan	4.1	1.2	4.7	1.3	11.7 ('32, '50)	-8.9 ('52, '59)
Feb	6.1	3.1	4.7	0.9	11.7 ('45)	-7.3 ('80)
Mar	6.6	2.9	5.8	1.8	13.3 ('61)	-8.3 ('47)
Apr	8.1	3.6	7.9	2.9	16.1 ('42)	-5.7 ('68)
May	10.8	4.9	10.1	5.1	19.4 ('54)	-2.8 ('23)
Jun	12.5	7.5	12.5	7.6	23.3 ('58)	-0.6 ('24, '29, '31, '51)
Jul	14.4	9.6	14.0	9.3	22.8 ('26, '58)	3.3 ('21)
Aug	14.2	9.9	14.1	9.6	21.5 ('82)	1.7 ('21)
Sep	12.0	7.7	12.6	8.5	19.4 ('53)	-0.6 ('54)
Oct	10.4	7.3	10.2	6.7	17.2 ('55)	-3.3 ('48)
Nov	7.5	4.5	7.3	4.4	13.9 ('46)	-5.7 ('62)
Dec	5.2	2.1	5.6	2.4	12.2 ('48)	-8.3 ('61)
Year	9.3	5.4	9.1	5.0		



Number of days in 1982 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Thick Fog	Rain
Jan	16 (15.0)	14 (11.0)	0 (0.3)	2 (8.5)	1 (1.8)	25 (25)
Feb	3 (13.0)	1 (12.0)	1 (0.7)	9 (5.7)	0 (2.0)	16 (21)
Mar	8 (12.0)	1 (8.8)	0 (0.3)	14 (7.4)	0 (2.6)	24 (21)
Apr	8 (6.9)	8 (5.7)	0 (0.1)	2 (2.2)	0 (5.0)	20 (20)
May	4 (2.5)	2 (1.0)	0 (0.1)	1 (1.5)	0 (6.3)	16 (17)
Jun	0 (0.0)	0 (0.1)	1 (0.3)	0 (1.3)	2 (7.7)	5 (16)
Jul	0 (0.0)	0 (0.0)	4 (0.3)	0 (0.6)	2 (6.9)	20 (17)
Aug	0 (0.0)	0 (0.0)	1 (0.3)	2 (0.5)	1 (6.9)	27 (17)
Sep	0 (0.0)	0 (0.0)	0 (0.2)	8 (2.5)	0 (6.0)	24 (20)
Oct	0 (1.1)	0 (0.6)	0 (0.3)	7 (5.5)	0 (3.6)	28 (23)
Nov	8 (7.0)	3 (4.9)	3 (0.7)	5 (5.0)	0 (0.7)	27 (25)
Dec	11 (13.0)	9 (8.8)	1 (0.3)	4 (7.8)	0 (1.6)	22 (26)
Year	58 (70.5)	38 (52.9)	11 (3.9)	54 (48.5)	6 (51.1)	254 (248)

Figures in brackets are 1956-1970 monthly mean totals.

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

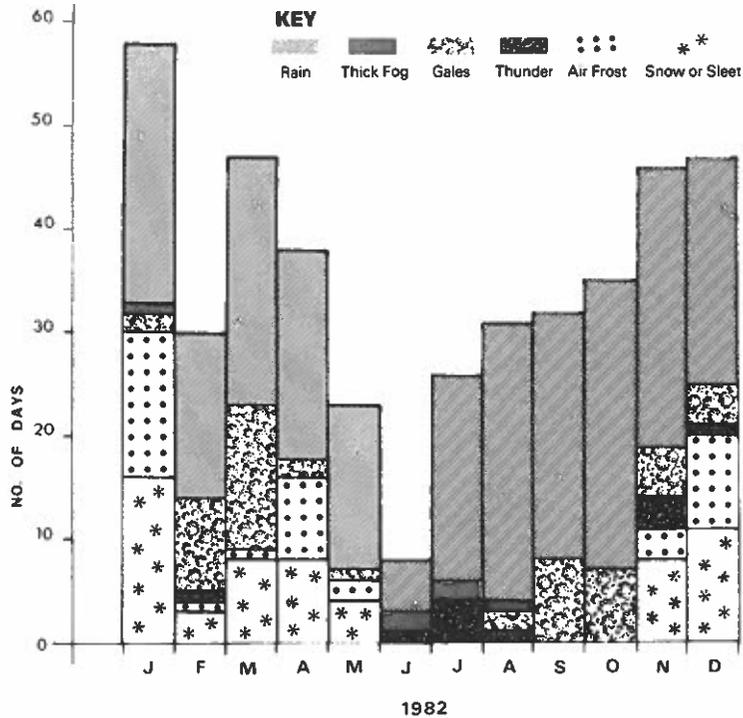
Air Frost: minimum air temperature less than 0.0 deg. C. at any time of day.

Thunder: thunder heard at any time of day.

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

Thick Fog: visibility less than 200 metres at any time of day.

Rain: precipitation greater than 0.2mm recorded over a 24-hour period.

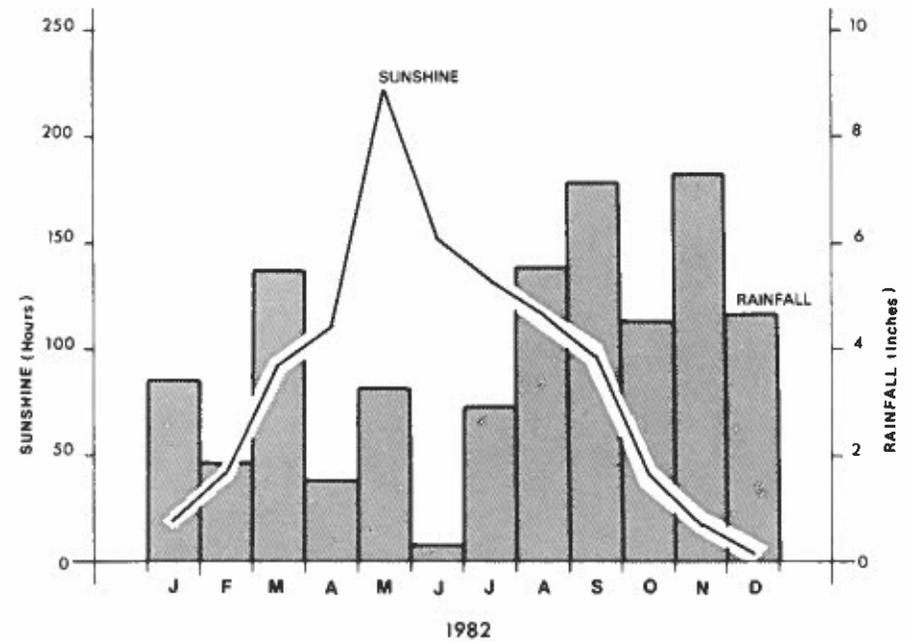


Monthly totals

	Sunshine (hours)		Rainfall (inches)	
	1982 totals	Extreme daily totals	1982 totals	Extreme daily fall
Jan	19.1 (25)	6.6 ('39)	3.41 (5.04)	1.70 ('37)
Feb	42.1 (54)	9.8 ('40)	1.85 (4.13)	1.83 ('51)
Mar	92.3 (86)	11.6 ('64)	5.49 (3.66)	1.84 ('52)
Apr	110.4 (137)	14.8 ('26)	1.47 (2.72)	1.46 ('40)
May	221.4 (157)	16.2 ('40, '57, '80)	3.23 (2.52)	1.96 ('66)
Jun	150.3 (152)	17.4 ('34)	0.37 (2.64)	1.44 ('81)
Jul	132.5 (131)	16.6 ('35)	2.93 (2.68)	3.70 ('35)
Aug	115.6 (116)	15.1 ('28)	5.56 (2.95)	1.85 ('45)
Sep	97.0 (99)	13.0 ('24)	7.15 (4.29)	2.00 ('54)
Oct	40.7 (62)	10.1 ('37)	4.47 (4.84)	2.41 ('81)
Nov	18.9 (33)	6.8 ('61, '67)	7.37 (5.08)	2.81 ('49)
Dec	4.0 (15)	5.1 ('57)	4.76 (5.59)	1.78 ('51)
Year:	1044.3 (1,067)		48.06 (46.14)	

Figures in brackets are 1941-1970 averages.

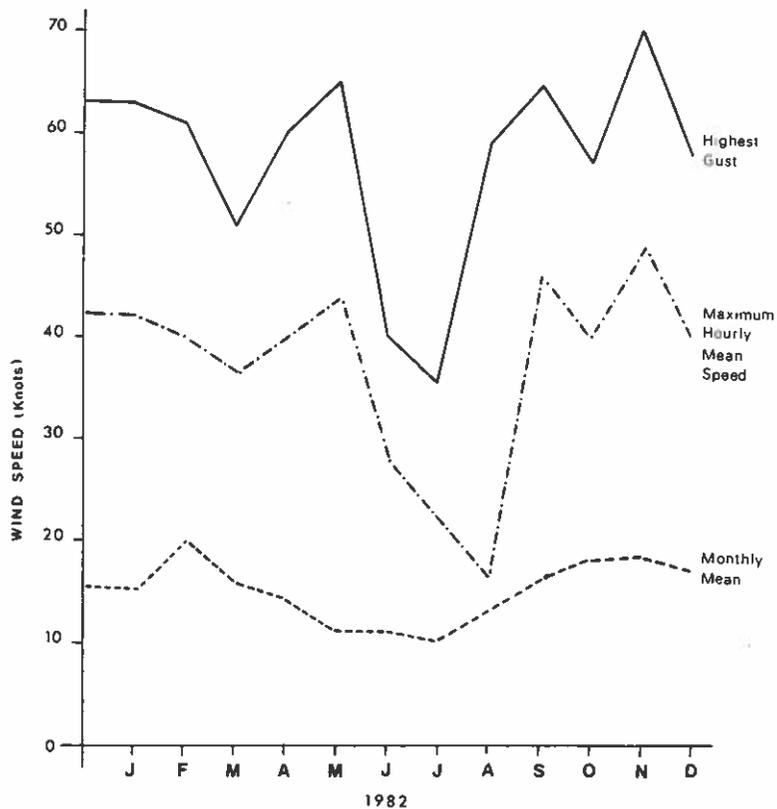
Extreme daily totals are over the years 1921-1982.



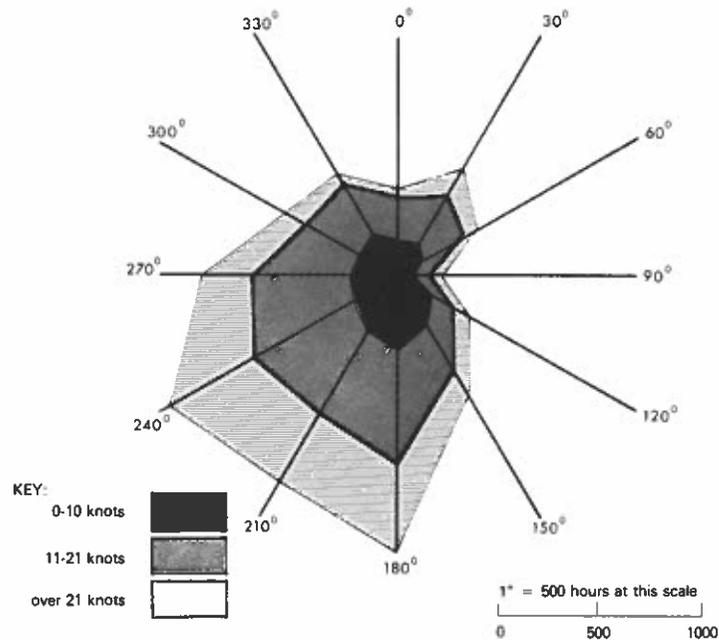
**Wind Speed (knots)**

	Monthly mean		Max. hourly mean speed 1921-1982			Highest gust 1921-1982		
	1982	1941-1970	1982	Dir	Year	1982	Dir	Year
Jan	15.5	(17.0)	42	(64 010° '53)		63	(95 220° '61)	
Feb	19.9	(15.9)	40	(56 230° '81)		61	(83 280° '43)	
Mar	16.2	(16.1)	37	(53 240° '67)		51	(77 240° '67)	
Apr	14.5	(14.2)	40	(55 250° '57)		60	(78 250° '57)	
May	11.1	(12.4)	44	(44 100° '82)		65	(65 100° '82)	
Jun	11.6	(11.9)	28	(42 260° '55)		40	(61 260° '55)	
Jul	10.6	(11.3)	23	(40 030° '40)		36	(61 290° '64)	
Aug	13.5	(10.9)	17	(49 240° '23)		59	(69 240° '23)	
Sep	16.3	(13.1)	46	(59 210° '78)		65	(87 270° '63)	
Oct	18.5	(15.1)	40	(58 230° '65)		57	(90 250° '80)	
Nov	18.7	(15.4)	49	(51 220° '38)		70	(80 280° '36)	
Dec	17.6	(16.8)	40	(58 240° '36)		58	(90 220° '56)	

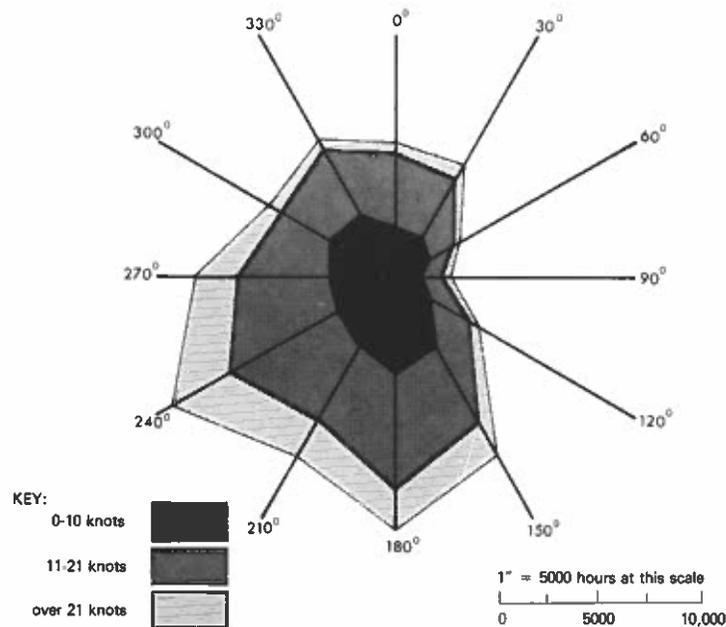
(Lerwick Observatory: 60° 08' N, 01° 11' W, 82m above sea level).



**Wind Direction & Speed: 1982**



**Wind Direction & Speed: 1970-1980**



# Population

The "usually resident" population at the time of the 1981 census was 22,768. This figure does not include temporary residents, mainly construction workers at the Sullom Voe Terminal. The population present on the census night was 27,277. The Shetland Health Board estimate of population as at March 1983 (based on NHS registrations) was 22,988.

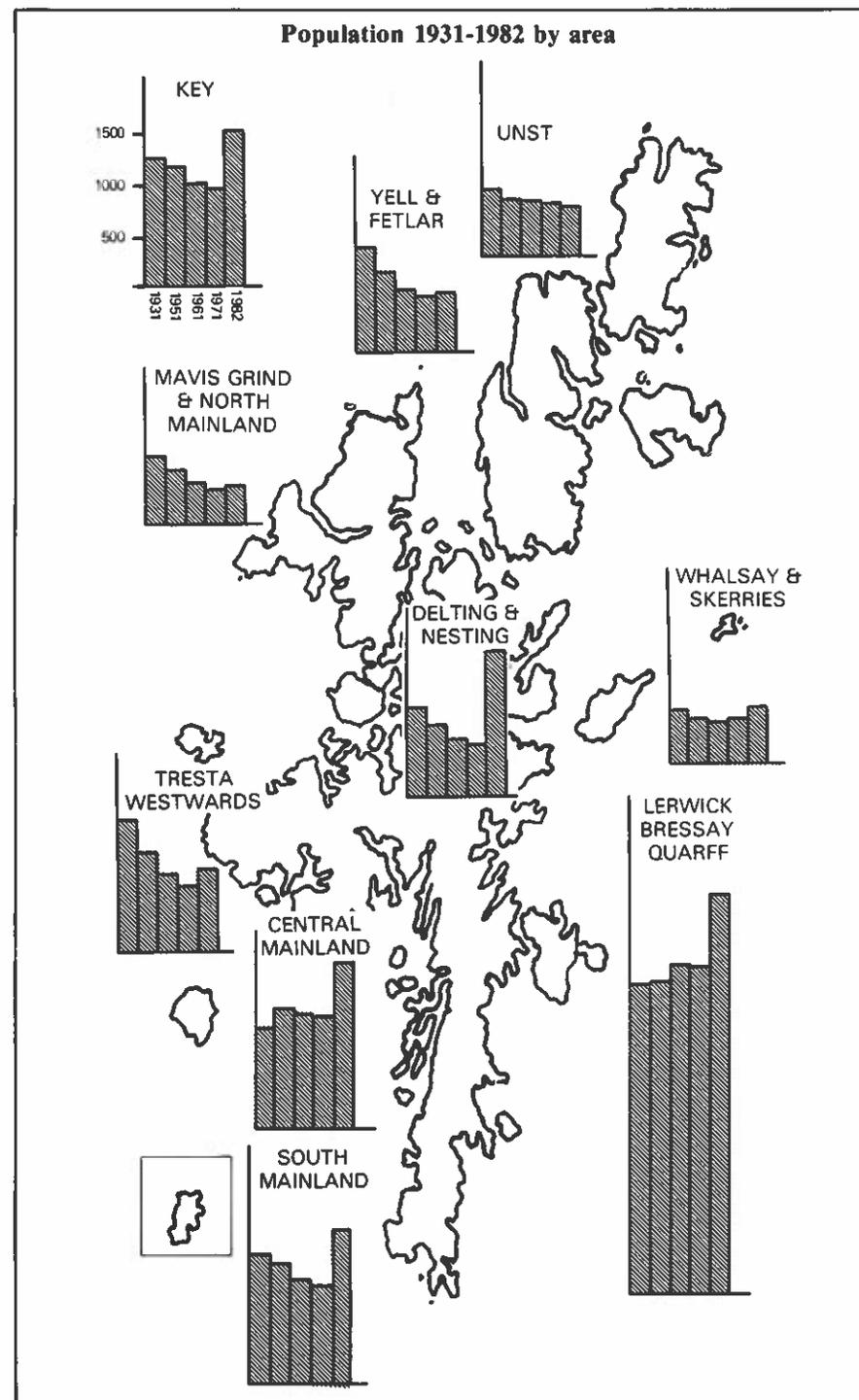
## 1982

In-migrants .....1027      Births .....361  
 Out-migrants .....1145      Deaths .....234

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

	1931	1951	1961	1971	1976	1981	1982
Unst .....	1341	1112	1151	1127	1056	1004	1018
Yell .....	1883	1483	1152	1143	1186	1213	1203
Fetlar .....	217	161	127	88	99	96	100
Whalsay .....	900	859	764	870	997	1047	1059
Skerries .....	110	127	108	100	93	92	91
Mavis Grind — North .....	1343	1054	816	696	710	748	760
Delting .....	958	863	701	674	1161	2755	2881
Nesting .....	822	563	434	380			
Tresta — Bridge of Walls .....	1562	1225	957	873	995	1059	1042
West of Bridge of Walls .....	884	687	561	483	546	592	567
Foula .....	118	75	54	33	36	43	45
Papa Stour .....	100	68	55	24	38	35	37
Whitess/Weisdale/ Gott/Tingwall .....	1140	1604	1603	1671*	881	1119	1137
Scalloway .....	—	—	—	—	1080	1195	1197
Trondra .....	91	54	20	17	33	86	100
Burra .....	767	648	653	565	743	848	861
Lerwick .....	4221	5538*	5908	6127	6407	7255	7320
Bressay .....	452	335	269	251	294	347	347
Quarff/Gulberwick .....	1518	426*	385	171	225	315	333
Sandwick/Cunningsburgh .....	1507	1376	1172	1120	1105	1323	1293
Bigton Junction — South .....	1089	1021	858	848	1401	1883	1840
Fair Isle .....	108	73	64	65	76	75	77
<b>Total population .....</b>	<b>21421</b>	<b>19352</b>	<b>17812</b>	<b>17327</b>	<b>19159</b>	<b>23130</b>	<b>23308</b>

Figures in cols. 1 - 4: Population Census.  
 Figures in cols. 5 - 7: Shetland Health Board (estimates)  
 \*Boundary change.



## Population Breakdown by Age and Sex

Age Group	1971			1981		
	Males	Females	Persons	Males	Females	Persons
0-4	710	680	1390	888	890	1778
5-9	715	680	1395	901	881	1782
10-14	620	595	1215	959	913	1872
15-19	585	550	1135	907	846	1753
20-24	610	515	1125	886	791	1677
25-29	565	530	1095	1006	852	1858
30-34	505	470	975	1052	874	1926
35-39	485	465	950	857	782	1639
40-44	475	445	920	706	577	1283
45-49	565	515	1080	571	518	1089
50-54	405	495	900	503	520	1023
55-59	530	555	1085	542	516	1058
60-64	490	610	1100	385	488	873
65-69	440	580	1020	443	510	953
70-74	345	450	795	371	512	883
75-79	205	355	560	239	411	650
80-84	120	245	365	157	259	416
85+	60	160	220	64	191	255
<b>Total</b>	<b>8430</b>	<b>8895</b>	<b>17325</b>	<b>11437</b>	<b>11331</b>	<b>22768</b>

Figures from 1971 and 1981 censuses — (usually resident population, not including temporary residents).

## Economic Activity in Shetland 1971-1981

	1971			1981		
	M	F	T	M	F	T
Total Population (Census)	8432	8895	17327	11437	11331	22768
Total Population 16+	6245	6825	13070	8511	8493	17004
Resident: Economically Active	4935	1890	6825	7056	3901	10957
In Employment	4645	1785	6430	6721	3743	10464
Out of Employment	290	105	395	335	158	493
% Economically Active (of 16+ popu.)	79%	27.7%	52.2%	82.9%	45.9%	64.4%

(Source: Population Census)

## Employment

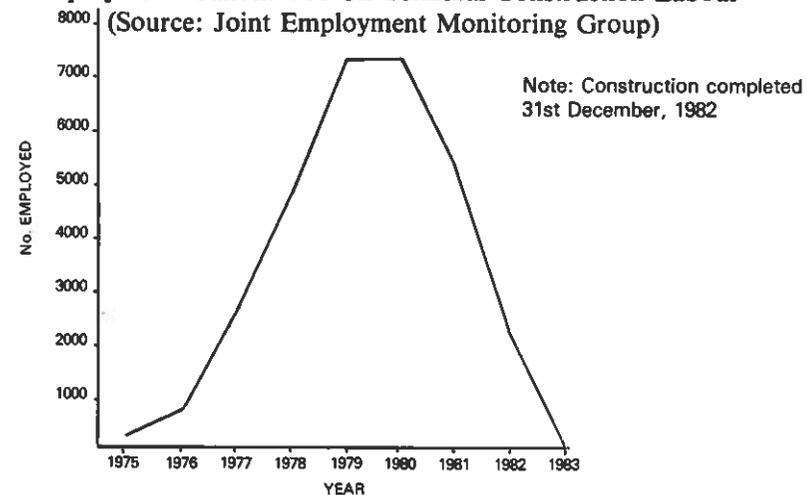
### Employment in Shetland

	1971 <sup>o</sup>	1977 <sup>*</sup>	1981 <sup>f</sup>
Primary	279	322	938
Manufacturing	1335	1125	940
Construction	489	1004	646
Services	2885	4400	6189
Self Employed	1445	1450	1452
<b>Totals</b>	<b>6433</b>	<b>8301</b>	<b>10165</b>

Note: These figures do not include temporary oil and oil related workforce (see table below). The largest section of the self employed are fishermen, the bulk of the remainder, tradesmen.

### Employment: Sullom Voe Oil Terminal Construction Labour

(Source: Joint Employment Monitoring Group)



### Temporary Oil and Oil Related Workforce at Sullom Voe

	1977 <sup>*</sup> Total	Shetland Residents	1980 <sup>**</sup> Total	Shetland Residents	1982 <sup>**</sup> Total	Shetland Residents
Construction	1154	130	5669	426	1733	151
Services	581	230	1383	637	423	217
<b>Total</b>	<b>1735</b>	<b>360</b>	<b>7052</b>	<b>1063</b>	<b>2156</b>	<b>368</b>

Note: 1980 was the peak year for temporary employment at Sullom Voe. 31st December, 1982, saw the completion of construction work at the terminal.

### Shetland Residents in Employment

	1971 <sup>o</sup>	1977 <sup>*</sup>	1981 <sup>f</sup>
Employees in employment	4988	6866	8713
Temporary oil related employees		360	740
Self employed	1445	1450	1452
<b>Total</b>	<b>6433</b>	<b>8676</b>	<b>10905</b>

<sup>o</sup> Department of Employment

<sup>f</sup> Research & Development Department, Shetland Islands Council estimate

<sup>\*</sup> 1971 Population Census

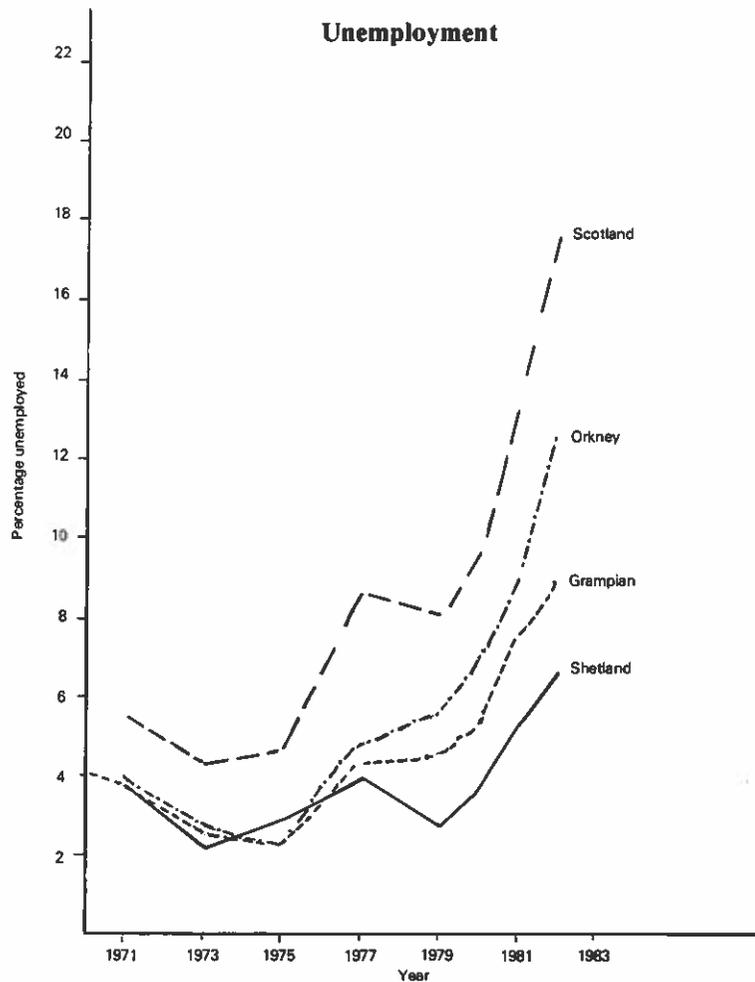
<sup>\*\*</sup> Joint Employment Monitoring Group

## UNEMPLOYMENT:

### Unemployment percentage as at June each year

	1971	1973	1975	1977	1979	1980	1981	1982
Shetland	3.8	2.2	2.9	4.0	2.8	3.7	5.3	6.7
Orkney	3.9	2.4	2.4	4.8	5.7	6.5	9.0	12.8
Western Isles	18.0	12.9	14.0	14.0	11.8	13.7	20.1	21.9
Grampian	3.7	2.4	2.3	4.3	4.6	5.3	7.6	8.5
Strathclyde	6.7	5.2	5.6	9.8	9.8	12.3	16.1	17.7
Scotland	5.5	4.3	4.7	8.6	8.1	9.9	13.5	17.8

Note: The official unemployment rate for Shetland as at March 1983 was 7.5% but due to recent changes in the calculation this figure greatly under-represents the true position. The Council now produces its own monthly estimate which for March 1983 was 11.8%. This figure is based on employment figures which exclude the temporary construction workers at Sullom Voe. (Further information is available from the Research and Development Department, Shetland Islands Council).



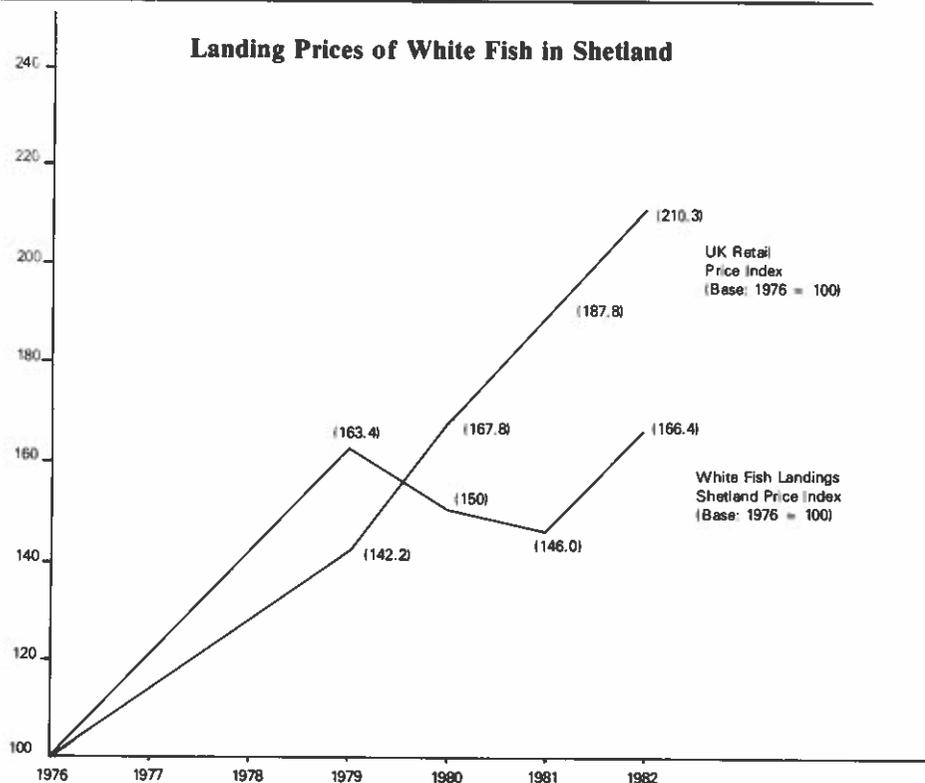
## Agriculture

	1971	1976	1981	1982
<b>Land Use: (Figures to nearest hectare)</b>				
Tillage.....	1410	1221	1062	1087
Grassland & Crops .....	8407	8766	8400	8650
Rough Grazing (including common grazings).....	129019	133889	133160	132688
Total area rented .....	38130	37271	36046	35616
Total area owned .....	28161	29566	30368	30629
Number of holdings .....	2439	2353	2240	2244
Number of common grazings .....	93	93	93	94
<b>Area Under Crops: (Figures to nearest hectare)</b>				
Grass (other than rough grazing) ..	6998	7545	7338	7563
Barley and Oats .....	857	614	511	479
Turnips and Swedes .....	134	122	103	98
Kale and Cabbage .....	73	48	34	37
Potatoes .....	256	260	232	227
Rape .....	48	27	17	22
Other Crops .....	17	14	25	28
<b>Livestock:</b>				
Beef Cows and Heifers .....	2492	2600	1896	1766
Dairy Cows and Heifers .....	791	679	593	649
Total Cattle .....	6945	6988	5103	4928
Total Sheep .....	264779	284585	297558	298583
Pigs .....	9	39	83	88
Poultry .....	12950	10286	8672	8526
Registered Slaughter Houses .....	9	9	8	8
Sheep Slaughtered .....	8417	11440	9592	11875
Cattle Slaughtered .....	485	136	278	361
Pigs Slaughtered .....	0	0	0	65
Sheep Exported .....	43464	49687	60542	65265
Cattle Exported .....	1947	2660	2066	1704
Ponies Exported .....	417	618	407	399
Pigs Exported .....	0	0	0	10
<b>Milk:</b>				
Dairy Units .....	23	22	23	20
Milk Production: (Gallons) .....	317550	362700	459900	506525
(Litres) .....	1428975	1632150	2069550	2279362
<b>Employment:</b>				
Full and part-time employees .....	222	210	204	216
Full and part-time occupiers .....	439	509	457	460
Others (including occupiers less than 1/2 time, wives/husbands of occupiers and casual/seasonal labour) .....	584	787	718	745

Capital Improvement	1976	1981	1982
<b>Land Improvement</b> (figures to the nearest hectare unless stated)			
Reclamation .....	22	16	18
Reseeding .....			23
Regeneration .....	120	283	256
Drainage (metres) .....	18471m	20864m	58050m
Apportionments .....	183	1305	1535

#### Grant Aided Capital Investment

New Silos .....	8	1	4
Fanks and Dipers .....	4	6	9
New Byres .....	4	2	1
GP Sheds .....	6	10	8
Slatted Courts .....	2	1	1
Cubicle Houses .....	0	2	0
New Croft Houses .....	0	17	8
Croft House Improvements ..	n/a	3	9



Figures in £ sterling:

Year	Average Quay Price/Tonne	Quay Price Adjusted to keep in line with RP)
1976	192.29	192.29
1979	314.16	273.56
1980	288.47	322.76
1981	280.71	361.07
1982	319.45	403.78

## Fisheries

### Fish landed in Shetland by UK vessels

	White Fish		Shell Fish		Sand Eels	
	Tonnes	£	Tonnes	£	Tonnes	£
1971	17954.18	1057691	783.11	159370	—	—
1976	13456.77	2587548	588.08	202339	18548.24	515398
1981	11443.58	3212175	695.23	328200	40731.40	1173560
1982						
Jan	850.28	258638	36.62	34693	—	—
Feb	1201.45	390054	77.05	61335	—	—
Mar	1141.13	357860	111.80	73213	—	—
Apr	1052.09	349034	87.43	54122	5627.05	168167
May	887.52	335805	60.80	31989	8343.00	253430
Jun	989.77	371589	67.66	42273	8206.60	254174
Jul	1677.23	434383	40.84	17893	9388.30	274510
Aug	809.34	223762	40.63	12550	6662.70	187115
Sep	1465.41	442283	119.12	43372	5988.75	170823
Oct	990.98	329044	51.85	16117	1329.10	40472
Nov	1278.48	440914	87.73	36754	29.60	829
Dec	1038.13	341497	69.29	41768	—	—
Total	13381.81	4274863	846.82	466079	45575.10	1349520

### Included in White Fish Total

	1976		1981		1982	
	Tonnes	£	Tonnes	£	Tonnes	£
Cod	1579.10	407671	914.68	308585	1553.46	628391
Haddock	5333.22	1117642	5089.04	1395658	6350.19	2086353
Whiting	5394.98	872348	4838.79	1307991	4620.66	1284436

### Average Quay Prices per tonne

	1976	1981	1982
	£	£	£
Cod	258.17	337.37	404.51
Haddock	209.56	274.25	328.55
Whiting	161.70	270.31	277.98

### Other Fish landed in Shetland

	1976		1981		1982	
	Tonnes	£	Tonnes	£	Tonnes	£
Mackerel	775.04	38623	862.02	49560	—	—
Herring	4009.79	461243	870.80	57158	39.50	6320
Sprats	973.86	64895	—	—	—	—
Norway Pout	11282.88	34924	—	—	—	—

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

1971		1976		1981		1982	
Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
41877	1806631	49634	4219470	54567	4820653	59843	6096782

**Weight and Value of Catch by Method**

	1976		1981		1982	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	4731.93	871446	6072.41	1670553	6931.19	2179042
Industrial Trawl	31308.49	1155125	40733.93	1174000	45588.91	1354231
Light Trawl	5908.12	1127091	5047.07	1456779	5923.70	1916571
Pair Trawl	1339.66	298794	321.57	84403	328.04	113914
Purse Seine	5134.19	514699	1658.22	104402	39.50	6320
Single Boat Pelagic Trawl	—	—	38.60	2316	—	—
Two Boat Pelagic Trawl	624.18	49976	—	—	—	—
Motor Trawl	—	—	—	—	178.97	58422
Gill Net	—	—	—	—	1.62	480
Shellfish Lines	588.08	202339	695.23	328200	846.82	466079
	—	—	—	—	4.48	1723
<b>Total</b>	<b>49634.65</b>	<b>4219470</b>	<b>54567.03</b>	<b>4820653</b>	<b>59843.23</b>	<b>6096782</b>

**Landings by Shetland Vessels outwith Shetland**

	1976		1981		1982	
	Tonnes	£	Tonnes	£	Tonnes	£
Landings at Scottish Ports (mainly Aberdeen)	977	257306	21231	2230710	38079	3139388
Landings elsewhere	253	31758	7574	510907	12210	1953701

**Distribution of Vessel Type**

	Purse Seiners	Trawlers/Seiners over 50ft	Vessels 35-50ft	Vessels 25-35ft	Total
1971	3	38	36	59	136
1976	5	46	29	57	137
1980	10	39	26	42	119
1981	10	43	27	44	124

**Distribution of Vessel Type by District 1982**

	Purse Seiners	Trawlers/Seiners over 50ft	Vessels 35-50ft	Vessels 25-35ft	Total
Burra	1	17	3	8	29
Whalsay	8	11	2	6	27
Yell	—	1	4	4	9
Scalloway	—	4	5	1	10
Lerwick	1	5	5	1	12
Skeld	—	1	1	2	4
Skerries	—	2	2	—	4
Northmavine	1	1	—	—	2
Other	—	1	7	21	29
<b>Total</b>	<b>11</b>	<b>43</b>	<b>29</b>	<b>43</b>	<b>126</b>

**Fish Processing**

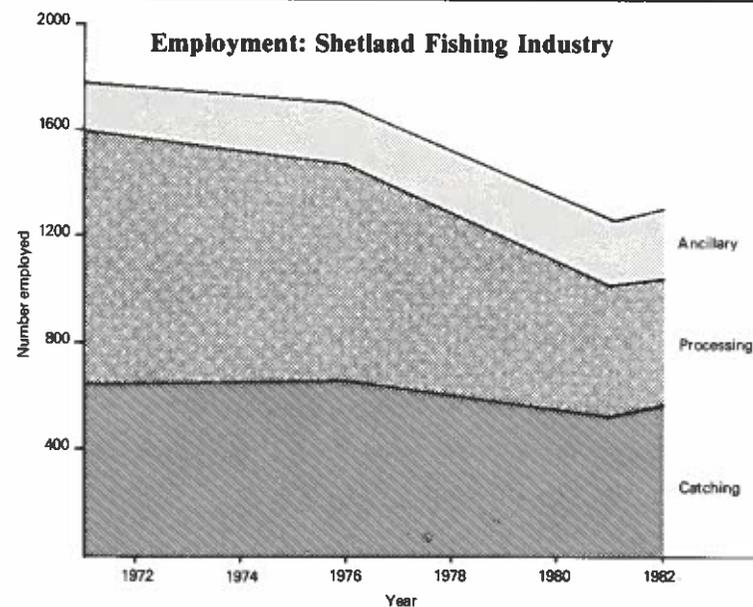
Eight firms with 13 separate factories are engaged in fish processing in Shetland.

There are 10 white fish processing lines, one herring line, one fish meal plant and two shellfish processing lines.

Turnover was estimated to be £9 to £11 million in 1981.

**Employment in the Shetland Fishing Industry**

	1971	1976	1981	1982
Catching	636	652	542	572
Processing	967	833	480	469
Ancillary	171	225	243	256
<b>Total</b>	<b>1781</b>	<b>1710</b>	<b>1265</b>	<b>1297</b>



# Oil

## Offshore

### (a) The Exploration Phase:

- 1970 Jun The exploration phase for oil and gas offshore Shetland initiated by Department of Energy when first Licence Blocks were allocated to interested companies.
- 1971 Jul Exploration activity began in earnest, with supply and helicopter services being established in Shetland to support offshore activities.
- First of many major oil and gas strikes occurred when the Brent Field was discovered.

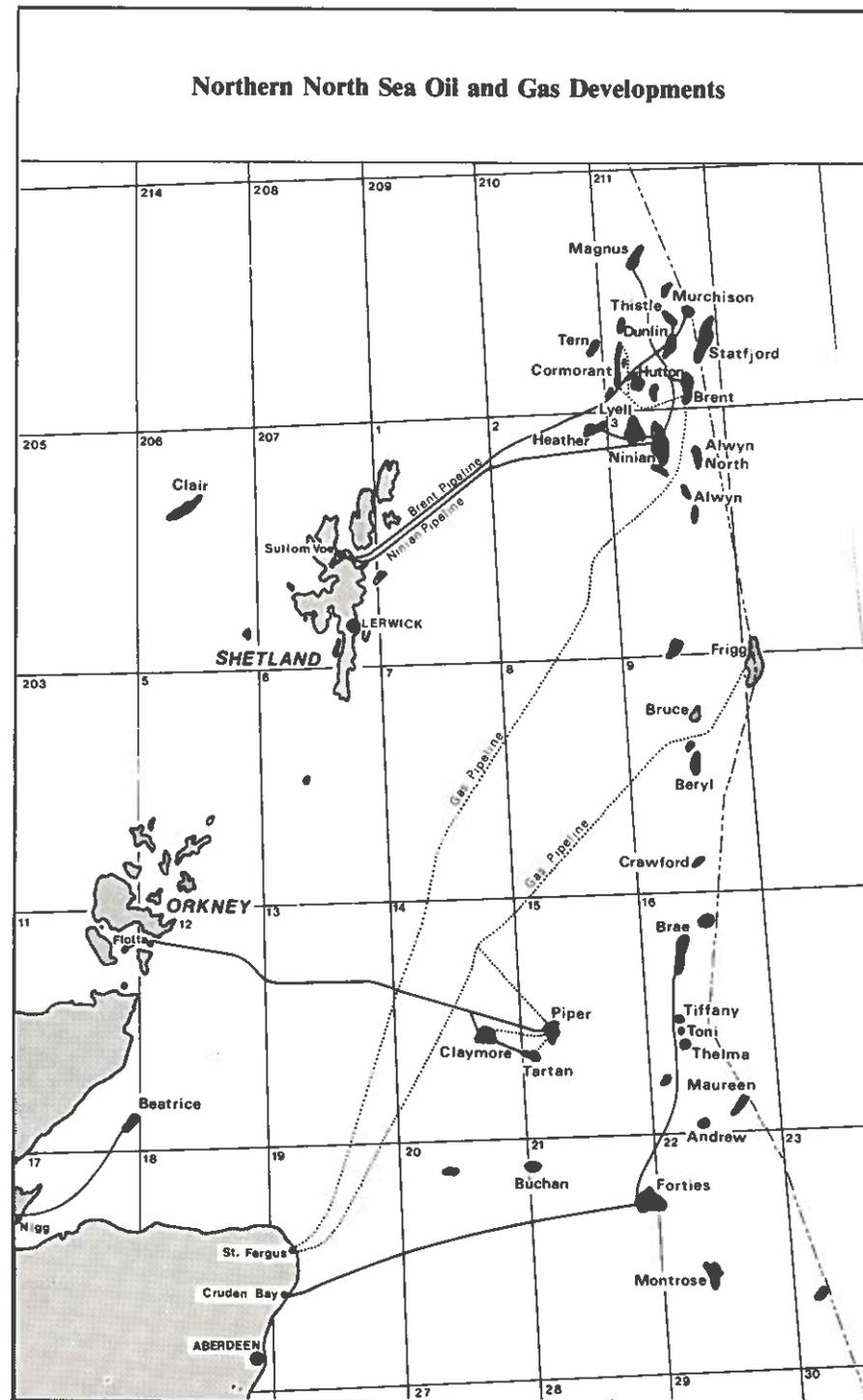
### (b) The Development Phase:

- 1975 The development phase began with the laying of the main Brent and Ninian pipeline systems, and the floatout of the production platforms (one for the Beryl Field, one for the Brent Field).
- 1976 May Main Ninian pipeline completed.
- Jun Main Brent pipeline completed.
- 1978 Nov 25 First oil piped to Sullom Voe through the Brent pipeline system from the Dunlin Field, 100 miles north of Shetland.
- Nov 30 First oil shipped out from Sullom Voe by the Shell tanker Donovanian.
- Dec 31 First oil arrived through the Ninian pipeline system at Sullom Voe from the Heather Field.

### 1982 Highlights

- 14 Feb North Cormorant comes on stream.
- 15 April First fractionation of gas at Sullom Voe Terminal.
- 21 April 100 millionth ton of North Sea oil passed through Sullom Voe terminal.
- 17 May First shipment of liquefied petroleum gas shipped from Sullom Voe terminal on gas carrier 'Hesperus' (3,200 tonnes propane; 3,600 tonnes butane)
- July Sullom Voe Terminal celebrates one million accident free man hours for second time in its history.
- 24 Oct Sullom Voe Terminal receives its highest daily total of 1,345,653 barrels of oil in one day.
- Oct Development plans for North Alwyn field approved.
- 17 Dec Official end of construction phase at Sullom Voe Terminal Project.
- 23 Dec Sullom Voe Terminal receives one billionth barrel of oil.
- Dec Lerwick Harbour handles record tonnage of over one million tonnes in 1982.

## Northern North Sea Oil and Gas Developments



## 1982 Development Position in Shetland Waters

### 1. Fields in Production

Name of Field	Operator	Date Field on Stream
Beryl A	Mobil	1976
Brent	(B) Shell	1976
North Cormorant	(B) Shell	1982 February
South Cormorant	(B) Shell	1979
Dunlin	(B) Shell	1978
Heather	(N) Union	1978
Murchision	(B) Conoco	1980
Ninian	(N) Chevron	1978
Statfjord	Conoco	1979
Thistle	(B) Britoil	1978
Frigg (gas)	Total	1977

### 2. Fields Under Development

Name of Field	Operator	Estimated Date on Stream
Alwyn North	Total	1987
Beryl 'B'	Mobil	1984
Hutton	Conoco	1985
NW Hutton	Amoco	1983
Magnus	BP	1983

(B) = part of Brent pipeline to Sullom Voe.

(N) = part of Ninian pipeline to Sullom Voe.

### Onshore Facilities

Onshore facilities fall into the following categories:

1. An oil terminal and harbour at Sullom Voe for the storage, treatment and exporting of oil and associated gas from the Brent and Ninian pipeline systems.
2. Marine service bases.
3. Air Services.

#### 1. The Oil Terminal & Harbour

The terminal is situated at Calback Ness on a site of approximately 1000 acres on Sullom Voe, 29 miles north of Lerwick. Sullom Voe is Europe's largest oil and liquefied gas terminal. Operating at full capacity it will be able to handle 75% of Britain's oil production during the 1980s. BP Petroleum Development Ltd. operates the terminal on behalf of the companies participating in the Brent and Ninian pipeline groups. Construction of facilities began in February 1975 and the commissioning and construction phase was completed in December 1982. The terminal is now fully operational. It provides facilities for a crude oil throughput of up to 1.41 million barrels per day (or 75 million tonnes per year).

### Brent Pipeline System: throughput of oil

	1978	1979	1980	1981	1982
Barrels	6,390,950	77,552,205	126,060,376	174,504,301	220,420,375
Metric tons	856,991	10,367,579	16,773,845	23,116,490	29,148,983
Av Daily Production					
Metric tons	—	28,404	45,956	63,333	79,860

### Ninian Pipeline System: throughput of oil

	1978	1979	1980	1981	1982
Barrels	679,726	63,665,158	89,808,256	115,735,451	123,860,208
Metric tons	92,186	8,555,865	12,066,455	15,545,240	16,611,584
Av Daily Production:					
metric tons	—	23,441	33,059	42,590	45,511

### Harbour Operations

These are controlled by the Shetland Islands Council from a £1 million Port Administration building and Communications Centre at Sella Ness.

### Sullom Voe Port Operations

	1978	1979	1980	1981	1982
Imports (tonnes)	338,279	278,971	211,455	99,458	38,535
Exports (tonnes)	787,099	19,701,485	28,312,630	38,972,977	46,229,110

### Tanker Operations

#### (a) Crude Oil

	1978	1979	1980	1981	1982
No. of tankers loaded	11	270	343	433	536
Total oil exported					
(metric tons)	744,542	18,678,324	28,298,463	39,893,552	45,760,567

#### (b) LPG

	1982
No. of Gas Carriers	55
Total LPG shipped from 17.5.82 (tons)	595,390

**Permanent Terminal Associated Workforce**

	1978 % local	1979 % local	1980 % local	1981 % local
SIC Ports & Harbours	32 (66)	71 (70)	84 (62)	92 (63)
Shetland Towage	25 (80)	76 (87)	80 (87)	86 (88)
BP Terminal	113 (31)	269 (29)	354 (38)	407 (48)
Sub-contractors at Terminal	n/a	152 (37)	215 (40)	336 (41)
<b>Total Employees</b>	<b>170 (43)</b>	<b>568 (44)</b>	<b>733 (47)</b>	<b>921 (50)</b>

	1982 % local	1983 % local
SIC Ports & Harbours	90 (74)	91 (76)
Shetland Towage	92 (85)	93 (85)
BP Terminal	406 (50)	414 (54)
Sub-contractors at Terminal	460 (37)	642 (46)
<b>Total Employees</b>	<b>1048 (49)</b>	<b>1240 (54)</b>

Source: Joint Employment Monitoring Group.

**2. Marine Service bases in Lerwick**

Base	Acres	Berths Operational
BP Pet Dev Ltd.	4¼	2
Norscot Oil Services Ltd.	40	9
Ocean Inchcape (Shetland) Ltd.	14 (+ 12 acres on option for open storage)	3
Shell UK Exploration & Production Ltd.	10	2

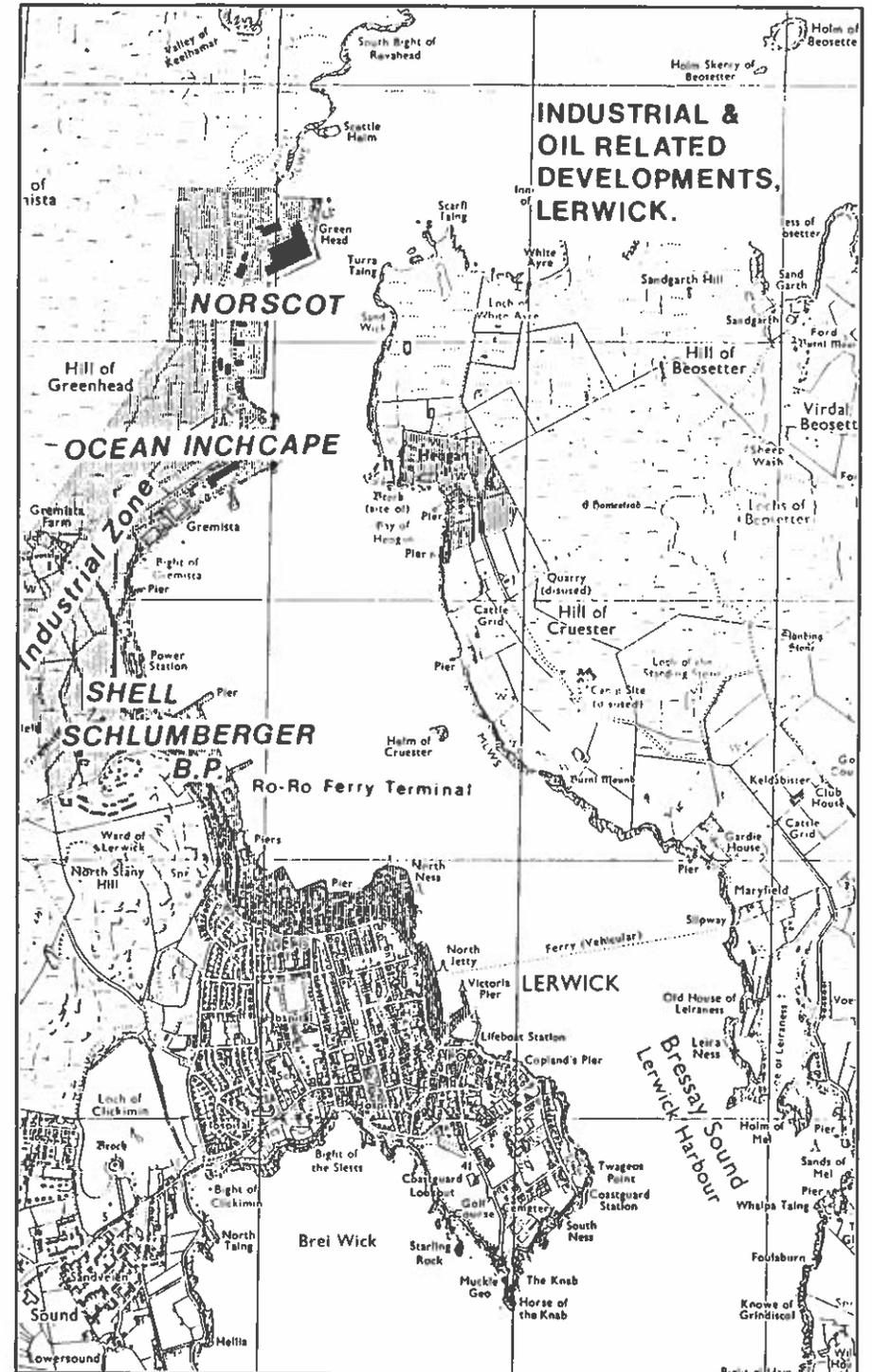
Berthage for one supply vessel is available at Scalloway and Baltasound harbours.

**Employment at Marine Service Bases**

	1972	1976	1981	1982	1983
	21	185	391	327	290

Source Joint Employment Monitoring Group

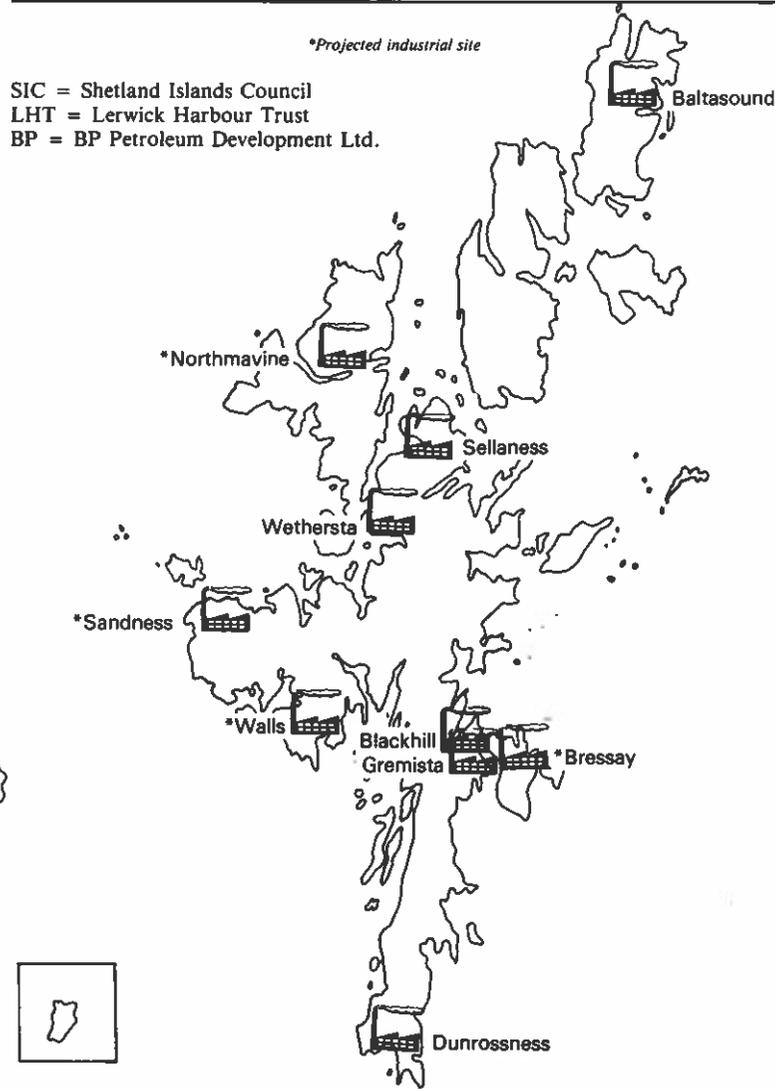
**3. For Air Service details see the Transport Statistics on page 37.**



### Industrial Sites:

Six serviced sites and estates have been developed in Shetland and four more are planned for future years.

Industrial Site	Developer	Area (acres)
Gremista Estate, Lerwick	SIC	13.47
Blackhill Estate, Lerwick	LHT/BP	4.60
Sellaness Estate	SIC	21.91
Wethersta	SIC	5.51
Baltasound	SIC	0.77
Dunrossness	SIC	2.24



## Knitwear

### Size and Production

The knitwear industry in Shetland consists of approximately 35 separate businesses. The size of the operation varies from small businesses with a turnover of less than £5,000 per annum to substantial concerns with a turnover in excess of £500,000 per annum. It is estimated that in the region of 400,000 garments are produced each year, currently worth about £4 million at producers' prices.

Products include classic Fair Isle yoked garments, allover Fair Isle jumpers or gansies; lace knitted scarves, stoles and shawls; cardigans, mittens, gloves, hats and scarves in Fair Isle patterns; and modern plain and striped patterns.

### Employment

	Full Time	Part Time	Home Knitters
1971	234	111	2268
1977	155	71	2098
1980		134	1232
1981		131	1200
1982		136	1800

### Markets

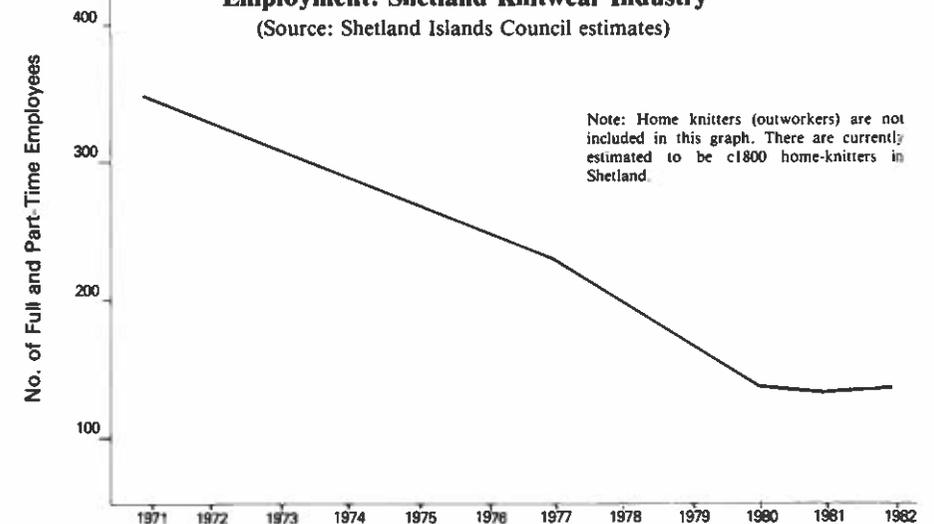
About 30% of the garments made are directly exported throughout the world from Shetland. Of the remaining garments, which go to the UK market, many which are sold to London retailers and wholesalers are exported.

The major marketing problem is the plagiarism of the word 'Shetland' by knitwear manufacturers all over the world. Many millions more garments labelled 'Shetland' are turned out than are produced in the islands or could be accounted for by the production of wool from native sheep. Wool production on average is about 75,000 kilos of pure Shetland and 150,000 kilos of Shetland cross and other types.

A number of Shetland knitwear manufacturers have recently banded together to form the Shetland Knitwear Trades Association (a company limited by guarantee) in order to promote 'Real' Shetland knitwear. A new certification trade mark has been applied for (The Shetland Lady) and this forms the cornerstone for the marketing campaign launched in 1983 by the Association.

### Employment: Shetland Knitwear Industry

(Source: Shetland Islands Council estimates)





## Crafts

Shetland has a long tradition of producing high quality craft goods. The main products apart from knitwear are tweed, sheepskins, jewellery (using local stone and designs) and silverwork; pottery; woodwork; tapestry; printed goods and cast figurines.

Excluding knitwear, these crafts provide regular employment for around 50 people in over 20 businesses, as well as an additional number on a more seasonal basis. While the total number of people employed is not high, many of the businesses are located well outside Lerwick and provide a valuable source of income in the rural areas.

## Tourism

### Accommodation capacity available to Shetland Tourist Organisation by bed spaces:

Type of Accommodation	1976	1981	1982	1983
Lerwick Hotels	149	231	227	244
Country Hotels	292	342	350	347
Lerwick B&Bs	206	103	108	78
Country B&Bs	154	203	234	131
Self Catering, Cottages, etc.	169	271	247	250
Caravans	106	104	115	46
Hostels	76	81	56	76
Total	1152	1335	1337	1174

### P&O Ferries Mini Cruise Passengers

1976	1978	1981	1982
1390	4761	3964	2389

### Cruise Liner Passengers

1977	1980	1981	1982
2152	7540	3564	4900

## Transport

### Internal Transport

Location	Type of Transport	Type of Service	Surface Type and Dimensions of Airstrip
Unst	Air	S	Bituminous (640 x 28m)
	SIC Vehicle Ferry	S	
Yell	SIC Vehicle Ferry	S	Soft Gravel (457 x 18m)
	Air	S	
Fetlar	SIC Vehicle Ferry	S	Grass (381 x 18m)
	Air	C	
Skerries	SIC Ferry	S	Rolled Gravel (Firm) (457 x 18m)
	Air	S	
Whalsay	SIC Vehicle Ferry	S	Bituminous (960 x 23m)
	Air	S	
Scatsta	SIC Vehicle Ferry	S	Bituminous (740 x 18m) Tarmac (1084 x 46m) Tarmac (1426 x 46m) Tarmac (550 x 45m)
	Air	S	
Bressay	SIC Vehicle Ferry	S	Rolled Gravel (Firm) (457 x 18m)
	Air	S	
Tingwall	Air	S&C	Soft Gravel (457 x 18m)
	Sumburgh	C	
Fair Isle	Air	S	Soft Gravel (457 x 18m)
	Ferry	S	
Papa Stour	SIC Ferry	S&C	Soft Gravel (457 x 18m)
	Vaila	C	
Foula	Air	C	Soft Gravel (457 x 18m)
	Ferry	S	

P = Privately owned

S = Scheduled

C = Charter

All internal air services are operated by Loganair Ltd.

### Bus Services also operate from:

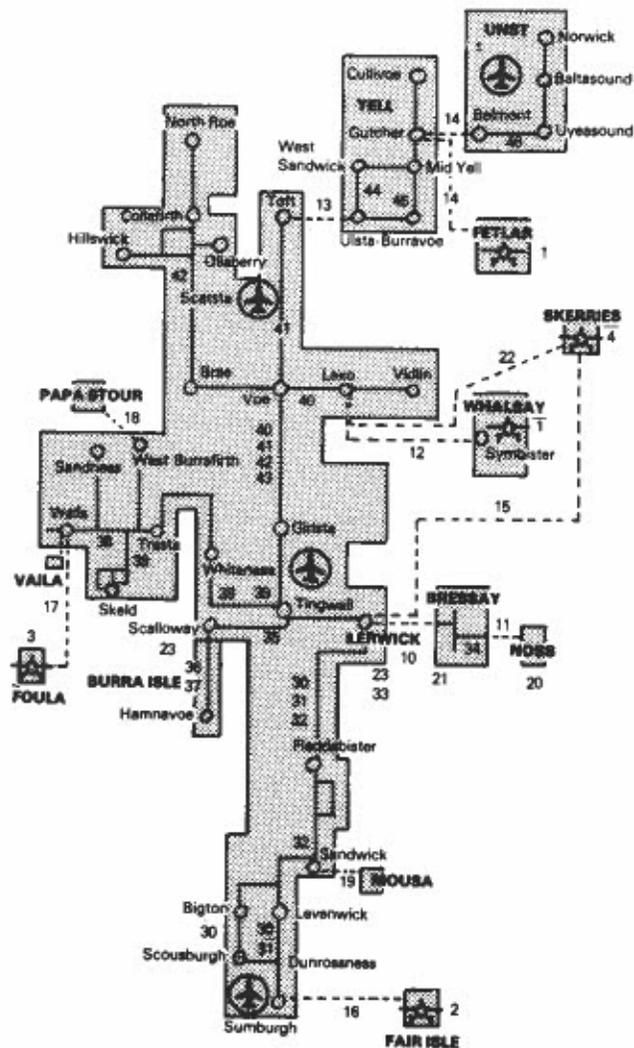
Route	Operator
Lerwick to:	
Sumburgh; Sumburgh Airport	A. Eunson; J. Leask & Son
Sandwick	Sandwick Transport Co. Ltd.
Brae - Hillswick/North Roe	Georgeson & Moore
Brae - Mossbank	Georgeson & Moore
Weisdale - Skeld; Weisdale - Walls	J. Watt & Son;
	Georgeson & Moore
Voe - Toft (for Yell; Unst/Fetlar)	J. Leask & Son
Laxo (for Whalsay)	J. Leask & Son
Scalloway; Burra	Georgeson & Moore
Lerwick Town Service	J. Leask & Son
Yell:	
Ulsta - Gutcher - Cullivoe	R. Jamieson
Ulsta - Mid Yell - Westsandwick	A. Williamson
Unst:	
Belmont - Saxa Vord/Baltasound	P. Y. Mills

### Present Schedule of County Highways

Principal Roads	123.54 miles
Other Class I Roads	16.68 miles
Class II Roads	103.59 miles
Class III Roads	106.30 miles
Unclassified Roads	202.54 miles
Total	552.65 miles

## SHETLAND ISLANDS

### Internal Transport



- KEY:
- Airports
  - Airstrips
  - Inter-Island Ferry Routes
  - Public Transport Service Routes

The numbers beside the routes refer to the route numberings. Full details of public transport in Shetland are contained in the "Inter-Shetland Transport Timetable" available from the Shetland Tourist Organisation, Market Cross, Lerwick.

## Inter Island Ferries

### Shetland Islands Council Ferry Traffic

#### Passengers

Ferry Route	1976	1981	1982
Yell	62626	109755	93704
Unst/Fetlar	33460	44570	41089
Bressay	71615	92454	109279
Whalsay	23110	42631	44617

#### Vehicles

Ferry Route	1976	1981	1982
Yell	33333	50310	55326
Unst/Fetlar	16920	22897	29175
Bressay	14817	23414	29911
Whalsay	10117	19330	21048

## External Ferries

### P&O Ferries Services

#### Passengers and Accompanied Cars

	Passenger Journeys	Accompanied Car Journeys
1977	41488	5164
1980	57440	8628
1981	52531	8398
1982		
Jan	1630	302
Feb	889	216
Mar	2416	457
Apr	4070	608
May	4813	623
Jun	6360	854
Jul	10576	1625
Aug	9501	1435
Sep	5641	751
Oct	3460	681
Nov	1895	379
Dec	2295	397
Total	53546	8328

#### Note:

Each passenger and car journey is counted as one way (Aberdeen to Lerwick or Lerwick to Aberdeen).

## Freight

	1978	1981	1982
Commercial Vehicles	3566	24327 $\mu$	24077 $\mu$
Commercial Trailers	2129	26959 $\mu$	38055 $\mu$
Unaccompanied Cars	1153	3941 $\mu$	4534 $\mu$

$\mu$  = Running metres

## Shipping in Lerwick Harbour

	1971	1976	1981	1982
General	316	470	418	459
HM Ships	41	33	62	42
Oil	51	99	140	128
Oil Rig Tenders	79	1679	1556	1600
Other Vessels	448	736	480	635
British Fishing	1440	893	677	698
Foreign Fishing	1580	1357	246	265
Total All Shipping	3955	5627	3579	3827

## Foreign Fishing Vessels

	1971	1976	1981	1982
Denmark	374	416	117	131
Faroe	242	203	14	15
Finland	6	7	—	—
France	16	11	13	14
Germany	3	4	1	—
Iceland	215	86	2	1
Netherlands	12	13	—	—
Norway	551	524	96	103
Poland	1	37	2	—
Sweden	100	43	1	1
USSR	60	13	—	—
Total	1580	1357	246	265

## Total Tonnage Handled in Lerwick Harbour (weight of containers excluded)

	1971	1976	1981	1982
General Cargo Imports	45760	147762	200077	233438
General Cargo Exports	48849	31997	57471	62196
Oil Related Imports	342	161454	288999	305767
Oil Related Exports	—	317884	421807	469202
Total	94951	659097	968354	1070603

## Lerwick Harbour Trust Revenue

1971	1976	1981	1982
£49,000	£975,000	£2,100,000	£2,470,000

## Air Services

1982 saw a continuing decline in passengers and aircraft movements throughout Shetland. At Scatsta Airport this can be attributed to the run down and completion of the construction phase at the Sullom Voe Terminal. Tingwall and Unst traffic remained relatively static. There was, however, a further decrease in oil related traffic using Sumburgh Airport

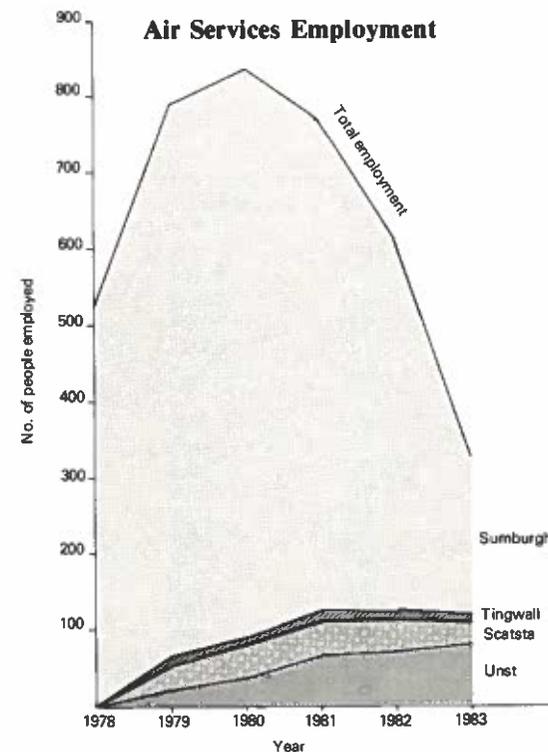
## Total aircraft traffic\* at Sumburgh, Scatsta, Unst and Tingwall

	1978	1979	1980	1981	1982
Aircraft Movements	57343	63390	62014	52863	39144
Passengers	757470	831857	894770	784545	546485

\*Includes all passengers on scheduled services

## Air Services Employment

	1978	1979	1980	1981	1982	1983
Sumburgh	529	734	748	650	501	214
Tingwall	n/a	6	6	12	10	10
Scatsta	n/a	33	42	42	41	29
Unst	n/a	23	37	68	69	77
Total	—	796	833	772	621	330



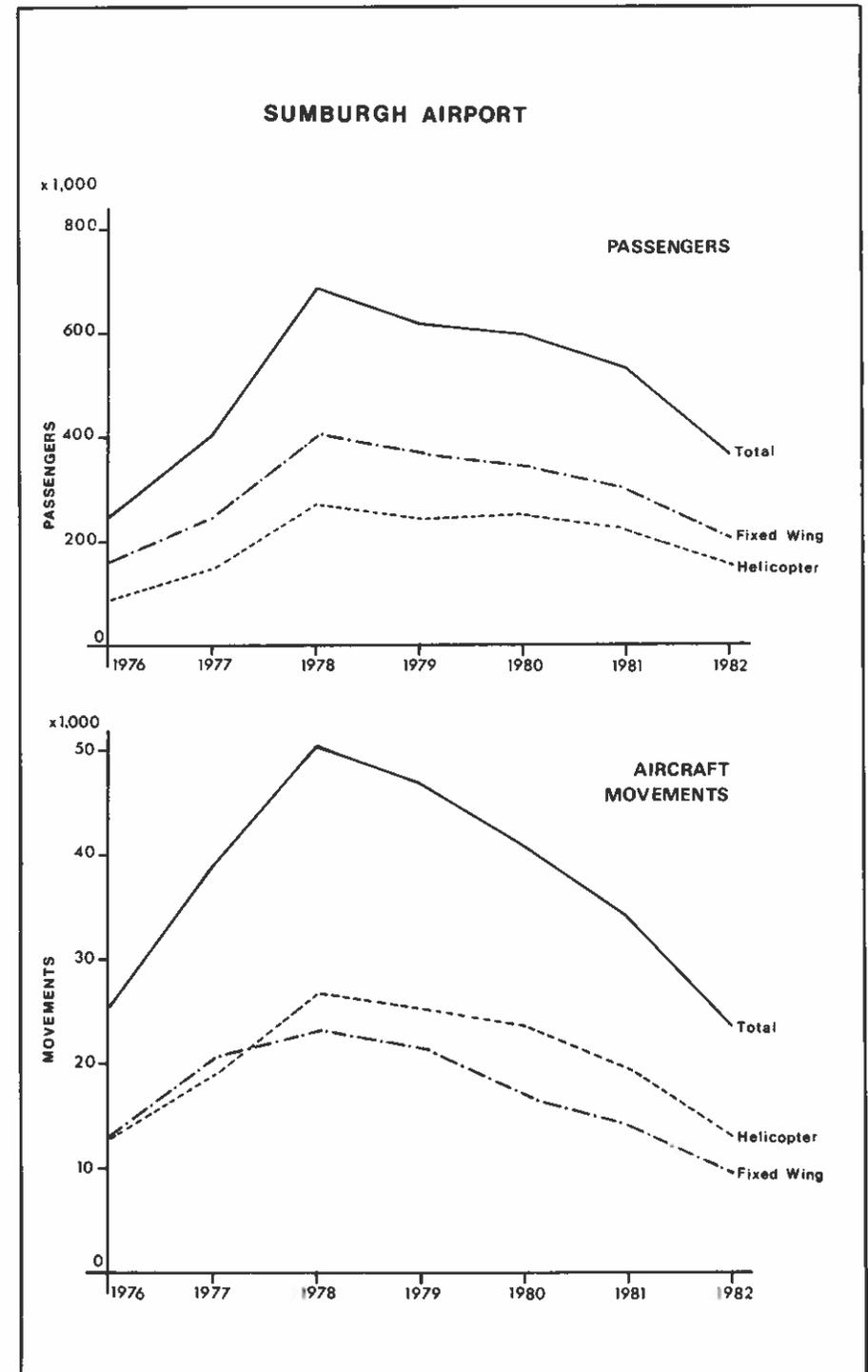
**Sumburgh Airport Traffic**  
**Passengers and Freight**

	Total Passengers	Fixed Wing Scheduled Passengers	Charter Passengers & Others	Helicopter Passengers	Freight (kgs)
1972	70589	45871*	13979	10739	205303
1976	250778	78654*	84111	88013	1574338
1978	685492	90601*	323151	271740	1950287
1979	622446	89324*	279908	253214	3274754
1980	608169	82879*	269480	256810	3801467
1981	541761	76853	232389	232519	3487834
1982					
Jan	34970	4924	15185	14861	204764
Feb	31276	4826	13048	13402	206557
Mar	37061	6055	15063	15943	238263
Apr	36066	6223	14294	15549	214553
May	35137	5978	14314	14945	215235
Jun	37972	6132	15270	16570	213478
Jul	33358	7045	12367	13946	183442
Aug	28320	7134	9920	11257	161010
Sep	31192	6111	11211	13870	146847
Oct	20993	6555	6598	7840	133336
Nov	20533	5301	6851	8381	139463
Dec	20429	4350	7750	8329	119474
1982					
total	367307	70543	141871	154893	2176402

\*Fixed Wing. Scheduled passengers 1972-80 figures include external and internal flights. Internal flights now operate through Tingwall Airport.

**Aircraft Movements**  
**Sumburgh Airport**

	Total	Fixed Wing	Helicopter
1972	6095	n/a	n/a
1976	25694	13030	12664
1978	50666	23843	26823
1979	47771	21737	26034
1980	41307	17602	23705
1981	34188	14361	19827
1982			
Jan	2174	950	1224
Feb	1946	837	1109
Mar	2429	962	1467
Apr	2240	912	1328
May	2121	930	1191
Jun	2279	974	1305
Jul	2132	926	1206
Aug	1792	843	949
Sep	1895	808	1087
Oct	1483	685	798
Nov	1465	621	844
Dec	1456	622	834
1982			
total	23412	10070	13342



### Scatsta Airport Traffic

	1978	1979	1980	1981	1982
Passengers	42651	124512	136019	109063	52917
Aircraft Movements	1786	6613	6406	5758	3933

### Tingwall Airport Traffic

	1978	1979	1980	1981	1982
Passengers	3676	8840	12194	12180	13558
Aircraft Movements	1328	2096	2921	2815	2966

### Unst Airport Traffic

#### Passengers

	1978	1979	1980	1981	1982
Fixed Wing	14041	36362	61020	53113	50006
Helicopter	11670	39697	77368	67451	62697
Total	25711	76059	138388	120564	112703

#### Aircraft Movements

	1978	1979	1980	1981	1982
Fixed Wing	1758	3647	5223	4206	2486
Helicopter	933	3159	5991	5834	6347
Total	2691	6806	11214	10040	8833

### Small Airfield Traffic

#### Passengers

Airfield	1978	1979	1980	1981	1982
Fair Isle	1021	969	923*	841§	n/a
Fetlar	76	106	58	57	46
Foula	n/a	450*	562*	1175	1081
Skerries	150	90	280	271	330
Whalsay	n/a	140*	120*	80*	90

#### Aircraft Movements

Airfield	1978	1979	1980	1981	1982
Fair Isle	300	292	316*	238	n/a
Fetlar	72	n/a	84	52	56
Foula	114	110	200	310	288
Skerries	68	60	138	138	186
Whalsay	116*	132	82	78	96

\* = Estimate

§ = Includes scheduled passengers only

## Social Provision & Services

### Cost of Living

Indices	Nov 79	Nov 80	Nov 81	Nov 82
Shetland Lerwick	108.6	107.8	112.1	112.0
Remote Village A	115.8	117.4	119.5	119.4
B	114.1	114.5	115.3	118.3
C	116.6	114.4	120.0	116.9
Rural Average	114.0	115.7	119.6	119.8
Aberdeen	109.7	109.6	112.1	110.6
	100.0	100.0	100.0	100.0

The indices are calculated from information collected on the price of food, housing, transport services and other goods in various locations in rural Scotland. Aberdeen is used as the basis for comparison.

Further information on the methods and results can be obtained from the Scottish Consumer Council to whom we are grateful for permission to reproduce the above information.

### Housing

#### Housing Stock (Occupied units, April each year)

Type	1971	1976	1981	1983
Shetland Islands Council	1294	1919	2655	2610
Private and Others	4378	4809	5507	5840
Scottish Special Housing Assoc.	115	135	156	154
Total	5787	6863	8328	8604

### Vehicle Ownership

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

Type	1971	1976	1981	1982
Private cars and vans	3600	5076	7048	6978
Goods vehicles (incl. agricultural)	440	640	801	800
Buses and coaches	138	171	164	178
Motor cycles	350	397	545	456
Miscellaneous	652	826	831	820
Total	5180	7110	9389	9232

1971 figures: local taxation office

1976 figures: local taxation office and DVLC, Swansea

1981 & 1982 figures: Department of the Environment and Department of Transport

## Electricity

No. of Consumers connected by area (as at Dec 31 each year)

	1971	1976	1981	1982
Burra/Trondra	259	330	378	380
Bressay	110	133	179	181
Unst	317	412	461	481
Whalsay	250	305	362	364
Yell	409	460	573	579
Lerwick	2794	3208	3517	3519
Scalloway	407	468	494	501
South Mainland	947	1210	1465	1469
West Mainland	910	1090	1178	1183
North Mainland	766	1013	1538	1559
Fetlar	0	0	66	66
Total	7169	8629	10211	10282

### Breakdown into Categories

	1971	1976	1981	1982
Domestic	6019	7338	8726	8733
Farms	41	44	47	48
Public Lighting	7	11	33	33
Shops	214	220	260	259
Offices	66	69	90	90
Public Buildings	30	30	40	40
Hotels and Boarding Houses	19	22	22	22
HM Forces	3	4	4	4
Other Commercial and Public	702	818	915	979
Water, Gas and Drainage	8	9	10	10
Factories and Workshops	60	64	64	64
Total	7169	8629	10211	10282

### Electricity Generation

	1971	1981/82	1982/83
Units generated (kilowatt hours)	32,319,000	143,539,222	146,122,719
Maximum demand (megawatts)	11.69	36.00	32.30

Distribution (all figures: distances in kilometres)

	1971	1981	1982
33,000 Volt overhead lines	24.7	98.0	100.2
33,000 Volt underground cables	0.0	3.7	3.7
11,000 Volt overhead lines	705.9	756.2	772.9
11,000 Volt underground cables	15.1	65.5	68.1
Low Voltage overhead lines	340.1	345.6	345.6
Low Voltage underground cables	18.9	65.6	70.9

## Postal Services

Employees, Post Office

	1972	1977	1981	1982
Full time postal staff	63	66	71	72
Part time postal staff	41	23	21	20
Sub Postmasters	59	56	55	54
Ancillary Staff	2	10	11	11
Total	165	155	158	157

No of Letters Posted Weekly

	1972	1977	1981	1982
	49866	52602	69400	58000

No. of Television Licences

	1970	1976	1981	1982
Mono	4574	5399	1430	1069
Colour	0	64	5217	5431
Total	4574	5463	6647	6520

## Telecommunications

Employees: British Telecom (Scotland)

	1977	1981	1982
Telephonists	35	31	29
Engineers	52	74	71

Number of Telephone Connections (December each year)

	1971	1976	1981	1982
Unst	143	184	308	321
Yell	174	235	367	378
Fetlar	21	30	36	36
Northmavine	129	174	264	266
Delting	147	290	1070	922
Walls & Sandness	129	162	247	232
Sandsting & Aithsting	175	220	284	296
Nesting & Lunnasting	81	107	168	178
Whalsay	194	267	321	320
Skerries	23	30	34	34
Tingwall	335	513	723	776
Bressay	56	78	107	112
Burra	132	193	257	262
Dunrossness	405	696	1061	1040
Lerwick	1275	2045	3078	3109
Total	3419	5224	8325	8282

No. of Telephone Calls by Shetland Users

	1970	1976	1981	1982
Trunk Calls	283,700	1,033,900	3,418,300	2,577,300
IDD Calls	—	—	37,438	33,406

No. of Other Telecommunications Installations in Shetland

	1970	1976	1981	1982
Telex	5	59	102	77
Datel	0	0	8	10

## Education

No. of Teachers in Shetland

	1971	1976	1982	1983
Primary Teachers	91	117	182	153
Secondary Teachers	88	124	159	163
F.E. Teachers	2	4	10	10
Total	181	245	351	326

Primary Education

Primary School Rolls as at January each year

	1971	1976	1982	1983
Baltasound Junior High	103	100	76	83
Mid Yell Junior High	56	76	60	65
Brae Junior High	44	68	173	163
Symbister House Junior High	125	149	122	127
Aith Junior High	67	63	56	61
Scalloway Junior High	120	136	145	132
Sandwick Junior High	44	81	93	76
Haroldswick Primary	38	33	27	30
Uyeasound Primary	21	27	17	12
Cullivoe Primary	21	23	26	25
Burravoe Primary	38	31	34	35
Fetlar Primary	14	6	15	12
North Roe Primary	17	16	20	22
Ollaberry Primary	18	12	17	19
Urafirth Primary	26	29	40	42
Mossbank Primary	0	0	133	104
Firth Primary	16	0	0	0
Olnafirth Primary	19	30	46	48
Lunnasting Primary	20	22	40	41
South Nesting Primary	16	14	28	27
Skerries Primary	16	12	10	10
Sandness Primary	6	7	17	14
Foula Primary	4	4	7	8
Papa Stour Primary	0	0	6	7
Happyhansel Primary	43	40	49	55
Gruting Primary	12	11	10	10
Skeld Primary	13	26	28	26
Whiteness Primary	31	56	86	81
Burra Primary	16	0	0	0
Hamnavoe Primary	64	65	111	118
Gott Primary	41	43	48	46
Cunningsburgh Primary	56	74	77	70
Dunrossness Primary	123	152	187	153
Fair Isle Primary	3	9	13	10
Quarff Primary	17	19	26	26
Bressay Primary	24	38	17	21
Bells Brae Primary	722	790	511	488
Sound Primary	0	0	303	317
Total	2014	2262	2674	2584

**Secondary Education**  
Secondary School Roll as at January each year

	1971	1976	1982	1983
Anderson High	571	770	992	999
Baltasound Junior High	36	58	56	35
Mid Yell Junior High	43	58	54	54
Brae Junior High	47	68	165	207
Symbister House Junior High	36	54	62	63
Aith Junior High	35	65	65	56
Scalloway Junior High	72	129	129	125
Sandwick Junior High	55	87	119	113
Skerries Junior High	2	6	3	3
Total	897	1295	1645	1655

**Further Education**

Students enrolled on F.E. Courses

	1971	1976/77	1981/82	1982/83
Day Release .....	20	22	68	59
Short Full Time .....	20	34	54	62
Evening Class .....	557	815	1171	1125

## Social Work

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

	1980/81	1981/82	1982/83
No. of Eventide Home Beds* .....	60	60	60
No. of beds in Group Home .....	6	6	6
No. of beds in Children's Home .....	10	10	10
No. of Sheltered Housing Schemes .....	28	30	34
No. of Sheltered Houses .....	218	238	250
No. of Laundries .....	1	3	4
No. of Meals on Wheels Schemes .....	20	22	25
No. of Luncheon Clubs .....	3	3	3
No. of Meals Delivered .....	c60,000	c60,000	c60,000
No. of Telephone Rentals Paid .....	138	168	225
No. of Telephones newly installed or taken over ..	41	35	47
No. of Home Helps .....	c200	253	332
No. of Home Help Clients .....	c325	453	589

\*The Department also supports the Walter and Joan Gray Eventide Home in Scalloway (Church of Scotland): capacity 16 beds.

## Health Board

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

**Expenditure**

Revenue	1979/80	1980/81	1981/82
Board Administration	247,716	324,194	326,906
Hospital Running Costs			
a. Pay	1,057,147	1,465,489	1,657,297
b. Supplies & Services	497,135	584,589	664,716
c. Other expenditure (labs, etc.)	36,481	77,652	68,775
	1,590,763	2,127,730	2,390,988
Less direct credits	24,679	32,419	37,018
=	1,566,084	2,095,311	2,353,970
Community Services (School & pre-school care, domiciliary services, health education, etc.)	488,107	635,606	719,801
Associated Services (Travelling expenses, local health council)	14,184	12,555	12,370
Primary Care			
a. Medical Services	380,555	494,290	589,893
b. Pharmaceutical Services	338,487	438,363	530,206
c. Dental Services	46,447	43,070	59,634
d. Ophthalmic Services	39,813	42,328	56,628
	805,302	1,018,051	1,236,361
Total Revenue Expenditure	3,121,393	4,085,717	4,649,408

## Hospitals

Name	Type	No. of Beds	1980/81 Average % Occupancy	1981/82
New Gilbert Bain	Acute & Maternity	73	67	70
Brevik	Long Stay	44	95	99
Old Gilbert Bain	Long Stay	19	83	94
Montfield	Long Stay	24		

### Staff

	1980/81	1981/82
No. of G.P.'s	16	19
No. of Nursing Staff	145 full time 61 part time	151 full time 139 part time
No. of Hospital Doctors	6	6

### Casualties attending New Gilbert Bain Hospital

1972	1979	1981	1982
1082	2799	2491	2607

## Life-boat

Supported entirely by voluntary subscriptions, the Royal National Life-boat Institution operates two Life-boat Stations in Shetland: Lerwick and Aith.

	Lerwick Station	Aith Station
Name	<i>Soldian</i>	<i>John &amp; Frances MacFarlane</i>
Type	Arun Class	Barnet
Capacity for survivors	200	100
No. of crew	6	7

### No. of launchings and persons rescued by Lerwick and Aith RNLI:

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Launchings	9	9	10	6	10	14	6	14	10	17	12
Persons rescued	1	13	11	0	6	8	8	0	14	6	14

## Crime

The Shetland Sub-Division of the Northern Constabulary is run by the Northern Joint Police Committee, administered by Highland Regional Council. 1983/84 Requisition from Shetland Islands Council: £698,000.

### Number of Police Stations in Shetland: 1983

Single Officer Police Stations: 4 (Baltasound, Cullivoe, Scalloway and Whalsay).

Section Stations under Sergeant-in-Charge: 2 (Brae and Dunrossness)

Shetland Sub-Divisional Headquarters: 1 (Lerwick)

### Police manpower

1971	1976	1981	1983
21	28	45	37

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

	1971	1972	1976	1979
Class 1: Crimes against the person	13	17	16	77
Class 2: Crimes against property with violence	23	25	43	46
Class 3: Crimes against property without violence	81	97	177	189
Class 4: Malicious injury to property	6	3	32	48
Class 5: Forgery and currency crimes	0	0	0	1
Class 6: Others not included in above	1	4	11	58
Class 7: Miscellaneous (Road Traffic, Litter, etc.)	306	432	1095	1751
Total	430	578	1374	2170

The classification of crimes and offences was changed nationally with effect from January 1980. The Northern Constabulary has, with difficulty, been able to re-classify most of the statistics relating to crimes and offences reported to the police for 1979, and the resultant conversion means that the 1979 figures differ from those printed above.

### Number of Crimes and Offences reported to the police (new classification)

	1979	1981	1982
Group 1: Non-sexual crimes against the person	65	24	34
Group 2: Crimes involving indecency	14	12	14
Group 3: Crimes involving dishonesty	297	352	350
Group 4: Fire-raising, malicious & reckless conduct	106	126	184
Group 5: Other crimes	73	83	56
Group 6: Miscellaneous	456	422	375
Group 7: Offences relating to motor vehicles	1159	874	892
Total	2170	1893	1905

## Fire Service

The Fire Service in Shetland is run by the Northern Joint Fire Committee, administered by Highland Regional Council, 1983/1984 Requisition from Shetland Islands Council: £314,000.

### Number of Fire Units in Shetland 1981

Location	Establishment	Appliances
Retained:		
Lerwick	20 + 2 full-time officers	1 Pump Escape 1 Water Tender Ladder 1 Light Fire Appliance
Brae	18	1 Water Tender Ladder 1 Light Fire Appliance
Volunteer:		
Baltasound, Bixter, Bressay, Fair Isle, Fetlar, Hamnavoe, Hillswick, Mid Yell, Mossbank Scalloway and Whalsay	12 per unit	1 Portable Pump per unit
Sumburgh, Sandwick and Walls	12 per unit	1 Light Fire Appliance
Total	208	

### Number of fires attended

	1971	1976	1981	1982
Chimney Fires	16	21	24	29
Special services (pumping out boats, properties, etc., road traffic accidents, etc.)	5	13	17	21
Property and small fires	17	48	54	63
False alarms, good intent	2	4	6	7
False alarms, malicious	1	1	2	10
Total	41	87	103	130

## Rating and Valuation

	Non-Domestic		Rate per £ Domestic		Water	Total Rateable Value
	Town	County	Town	County		
1970/71	30/4	25/- to 28/-*	27/-	21/8 to 24/8	4/-	162,233
1971/72	81p	77 to 96p	70p	66 to 85p	14p	235,641
1972/73	67p	57 to 81p	55p	45 to 69p	15p	243,699
1973/74	67p	57 to 62p	52p	42 to 47p	16p	266,857
1974/75	77p	67 to 72p	60p	50 to 55p	16p	281,102
1975/76		99p		78p	18p	396,476
1976/77		140p		113p	20p	463,641
1977/78		161p		130p	25p	584,996
1978/79		45p		42p	10p	6,234,214
1979/80		50p		47p	11p	15,529,780
1980/81		75p		72p	14p	25,311,238
1981/82		79p		76p	10p	31,129,489
1982/83		95p		92p	10p	32,648,559
1983/84		111p		108p	11½p	33,286,675

\*Before amalgamation, rate per pound varied from district to district; highest and lowest values for each year are given here.

Revaluations: 16th May, 1971 and 1st April, 1978.

## Shetland Islands Council Finance

### REVENUE & CAPITAL EXPENDITURE

	1982/83		1983/84	
	(Net) Revenue Expenditure £'000	Capital Expenditure £'000	(Net) Revenue Expenditure £'000	Capital Expenditure £'000
Development	1291	207	1416	406
Leisure & Recreation	1194	91	1125	52
Education	13790	3358	13364	3093
Housing	1086	3095	1104	3746
General Services:				
Cleaning	1052	66	901	—
Sewerage	988	169	699	358
Other	664	75	770	429
Ports & Harbours	—	2309	—	554
Resources:				
Police & Fire	836	87	1012	113
Repairs & Renewals	900		900	
Capital Fund	—		3000	
Other	775		778	
Roads & Transport:				
Roads & Road				
Lighting	6566	3052	6119	3271
Ferries	1654	504	1619	898
Other	465	506	344	1062
Social Work	2201	158	2086	555
Water	799	474	716	528
Contingency	2240	—	2423	—
Accelerated Dept				
Redemption	—	—	3960	—
Coastal Protection	—	19	—	50
TOTAL	36501	14170	42336	15115

### Source of Finance

	1982/83	1983/84
	£'000	£'000
Rate Support Grant	10,281	10,302
Balance Brought Forward	—	4,562
Charged to Rates	26,220	27,472
	36,501	42,336

# Political Organisation

## SHETLAND ISLANDS COUNCIL

Members (May 1982 to May 1986)

Ward	Councillor
1. Lerwick Sound	John J. Graham, 26 King Harald Street, Lerwick
2. Lerwick Clickimin	Dr Thomas M. Y. Manson, 93 Gilbertson Road, Lerwick
3. Lerwick North	Leonard G. Groat, 10 Voderview, Lerwick
4. Lerwick Central	William A. Smith, 14 Bruce Crescent, Lerwick
5. Lerwick Harbour	Edward Thomason, 6 Mounthooly Place, Lerwick
6. Lerwick Twageos	Alexander J. Cluness, 5 Twageos Road, Lerwick
7. Lerwick Breiwick	John L. W. Eunson, 77 Gilbertson Road, Lerwick
8. Unst	Alan B. Fraser, Lower Crosbister, Westing, Uyeasound, Unst
9. Yell North & Fetlar	David J. Johnson, Moreview, North Sandwick, Gutcher, Yell
10. Yell South	Robert S. Gray, Sunnylea, Burravoe, Yell
11. Northmavine	Christopher J. Dowle, Ronas Voe, Ollaberry
12. Delting North	Mrs Robertha Clubb, Houlland, Brae
13. Delting South	Dr James A. Hunter, Kohima, Gott
14. Nesting & Lunnasting	Peter B. A. Hunter, Billister, Nesting
15. Bressay	James C. Irvine, 20 Twageos Road, Lerwick
16. Scalloway	William A. Anderson, East Voe, Scalloway
17. Tingwall, Whitness & Weisdale	Cecil R. H. Eunson, Caravan, Burnbank, Whiteness
18. Whalsay & Skerries	Henry A. Stewart, 2 Gardentown, Symbister, Whalsay
19. Sandsting & Aithsting	Alexander I. Tulloch, Reawick House, Reawick
20. Walls & Sandness	Gordon A. Walterson, Norby, Sandness
21. Gulberwick, Quarff & Cunningsburgh	Mrs Joan McLeod, 1 Laxdale Road, Cunningsburgh
22. Burra & Trondra	William A. Cumming, Bonnieview, Southerhouse, Hamnavoe
23. Sandwick	Malcolm S. Bray, Evrigarth, Sandwick
24. Dunrossness North	William Tait, Bonavista, East Ireland, Bigton
25. Dunrossness South	Raymond R. Bentley, 2 Hestingott, Virkie

## COMMITTEES

Convener : Alexander I. Tulloch

Vice-Convener: Edward Thomason

Committee	Chairman
Chairmens	Alexander I. Tulloch
Development, Leisure & Recreation	Alexander J. Cluness
Education	William A. Smith
General Services	Christopher J. Dowle
Housing	William A. Cumming
Policy	Alexander I. Tulloch
Ports & Harbours	David J. Johnson
Resources	Edward Thomason
Roads & Transport	James C. Irvine
Social Work	Dr J. A. Hunter

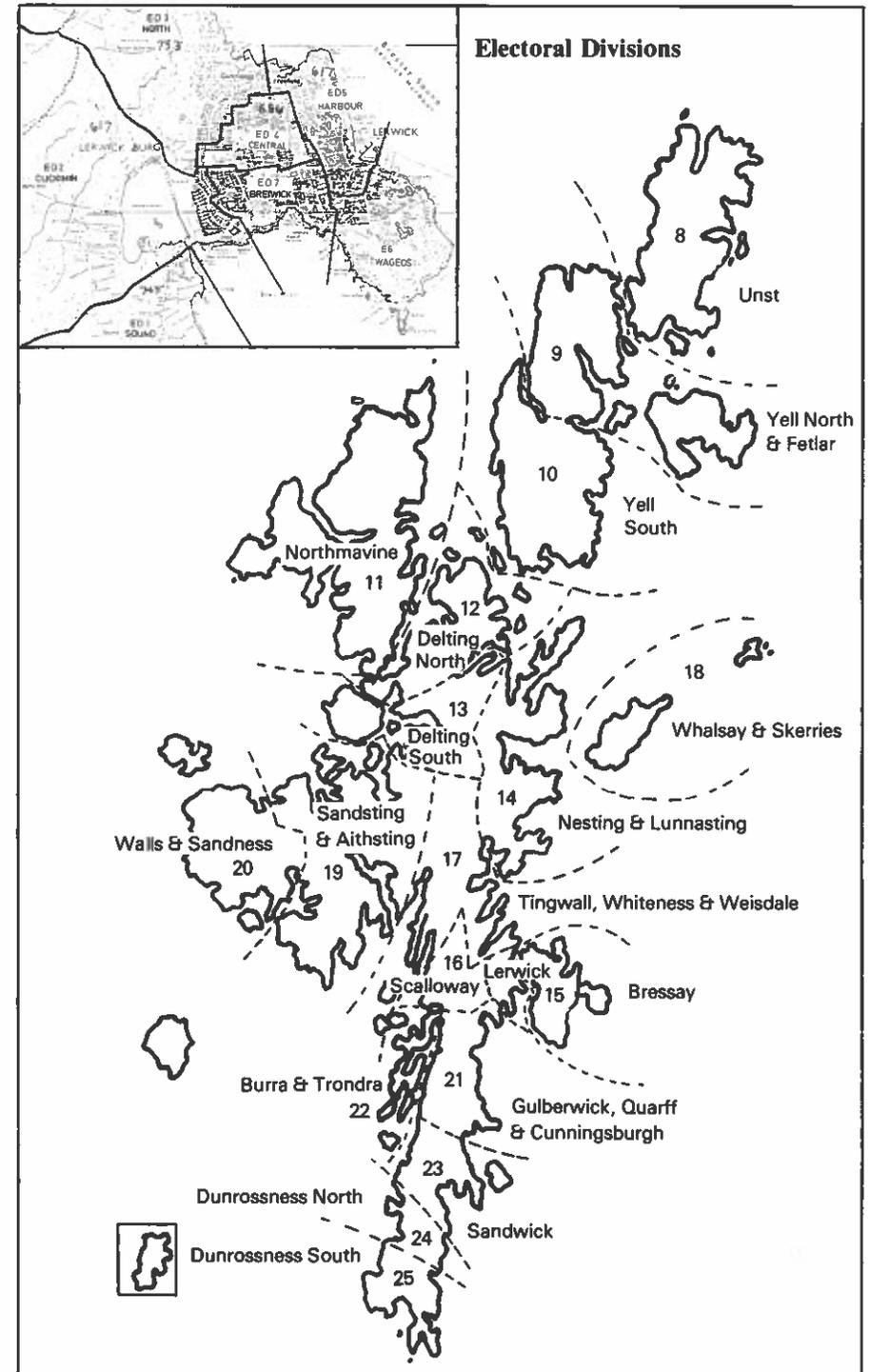
## DEPARTMENTS

Chief Executive: Michael Gerrard, Town Hall, Lerwick

Department	Director & Address
Administration	Patrick Regan, Quendale House, 31 Commercial St., Lerwick
Construction	William Smith, Grantfield, Lerwick
Design & Technical Services	Bryan Davison, 92 St Olaf St., Lerwick
Education	Robin Barnes, Brentham House, Harbour St., Lerwick
Finance	Malcolm Green, 4 Market St., Lerwick
Leisure & Recreation	John Nicolson, Hillhead, Lerwick
Personnel	Personnel Manager, County Buildings, Lerwick
Ports & Harbours	Albert Flett, Port Administration Buildings, Sella Ness, Sullom Voe
Planning	Gordon Mann, Victoria Buildings, Esplanade, Lerwick
Protective Services & Housing	Douglas Smith, 3 Commercial Road, Lerwick
Research & Development	John Burgess, 93 St Olaf St., Lerwick
Social Work	Peter Malcolmson, 64 St Olaf St., Lerwick

# Community Council Chairmen & Clerks

Aithsting and Sandsting	Chairman: J. P. Nicolson, 1 Whitelaw Road, Bixter. Clerk: Mrs L. Fraser, West Burrafirth, Bridge of Walls.
Bressay	Chairman: L. W. Anderson, 6 Fullaburn, Bressay. Clerk: Mrs K. Manson, Uphouse, Bressay.
Burra and Trondra	Chairman: R. Hunter, Mill Burn, Bridge End, Burra Clerk: Mrs I. Inkster, Tremayne, Bridge End, Burra
Delting	Chairman: A. Cooper, Linga, Mossbank. Clerk: Mrs V. Clark, Braehead, Mossbank.
Dunrossness	Chairman: W. H. Burgess, Lochview, Scousburgh Clerk: J. A. F. Smith, Hayhoull Place, Bigton.
Fetlar	Chairman: J. G. Jamieson, 3 Stakkaflets, Fetlar. Clerk: Mrs L. Borthwick, Schoolhouse, Fetlar.
Gulberwick, Quarff & Cunningsburgh	Chairman: T. J. Goudie, Ellangowan, Gulberwick. Clerk: R. Jarmson, Meal, Cunningsburgh.
Lerwick	Chairman: R. J. Anderson, 54 Breiwick Road, Lerwick. Clerk: D. J. Holme, 1 Hayfield Court, Lerwick.
Nesting and Lunnasting	Chairman: J. Hutchison, Orgill, Vidlin. Clerk: Mrs E. Manson, 2 Bellevue Park, Lerwick.
Northmavine	Chairman: A. R. A. Mowat, Punds, Sullom. Clerk: Mrs T. A. Manson, Urafirth, Heylor.
Sandness and Walls	Chairman: A. Robertson, 11 Kirkidale, Walls. Clerk: Mrs L. Fraser, West Burrafirth, Bridge of Walls.
Sandwick	Chairman: Mrs B. Smith, Broonies Taing, Sandwick. Clerk: Mrs R. Inkster, Taralea, Sandwick.
Scalloway	Chairman: J. W. Sutherland, Thule, Castle Street, Scalloway. Clerk: Mrs M. A. Irvine, Hillside, Scalloway.
Unst	Chairman: J. W. Ritch, 7 Daisy Park, Baltasound. Clerk: Mrs J. Ritch, Janefield, Baltasound.
Whalsay and Skerries	Chairman: C. Hutchison, Newtown, Brough, Whalsay. Clerk: H. A. Stewart, 2 Gardentown, Whalsay.
Whiteness, Weisdale & Tingwall	Chairman: P. Garrick, Griesta, Tingwall. Clerk: Mrs B. Nicolson, 37 Kalliness, Weisdale.
Yell	Chairman: C. Spence, Gremister, Herra, Mid Yell. Clerk: D. R. A. Rushton, Stonganess, Cullivoe.



# Electoral Statistics

## JUNE 1983

### General Election result in the Orkney and Shetland Parliamentary Constituency:

James Wallace (Lib) .....	9,374
David Myles (Con) .....	5,224
Winifred Ewing (SNP) .....	3,147
Robina Goodlad (Lab) .....	2,665
Lib maj. ....	4,150

Total Electorate: 30,411 (Shetland: 15,902; Orkney 14,509)

## JUNE 1979

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

Winifred Ewing (SNP) .....	39,991
Russell Johnston (Lib) .....	36,109
Michael Joughin (Con) .....	30,776
Jack Watson (Lab) .....	10,846
SNP maj. ....	3,882

Total Electorate: 298,802 (Shetland: 14,930)

## MARCH 1979

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

No .....	5,466
Yes .....	2,020

Total Electorate (Shetland): 14,882

## MARCH 1978

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

Yes .....	9,162
No .....	1,028
Maj. ....	8,134

Total Electorate (Shetland): 14,244

## JUNE 1975

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

No .....	3,631
Yes .....	2,815
Maj. ....	816

Total Electorate (Shetland): 13,437

# Bibliography

Literature about Shetland is widespread and varied. The following is a representative selection. It makes no claim to be an exhaustive list.

## GENERAL INTEREST

	£	
Balneaves, E.	The Windswept Isles	9.00
Butler, D.	Isle of Noss Guide	1.90
Fenton, A.	The Northern Isles, Orkney and Shetland	15.00
Gear, S.	Foula. Island West of the Sun	8.25
Graham, J.	The Shetland Dictionary	4.95
Gronneberg, R. (ed)	Islands Future	1.95
Gronneberg, R.	Jakobsen and Shetland	3.95
Henderson, T. (ed)	Shetland from Old Photographs	4.50
Irvine, J. W.	Footprints	2.50
Irvine, J. W.	Up-Helly-Aa. A Century of Festival	9.00
Kidd, T.	Life in Shetland	6.95
Nicolson, J. R.	Hay & Company. Merchants in Shetland	7.95
Nicolson, J. R.	Lerwick Harbour	4.50
Nicolson, J. R.	Shetland	5.95
Nicolson, J. R.	Shetland Folklore	8.25
Nicolson, J. R.	Traditional Life in Shetland	5.25
Robson, A.	The Saga of a Ship. The Earl of Zetland	12.00
Shetland Tourist Organisation	Shetland. A Tourist's Guide	0.25
Shetland Tourist Organisation	Shetland Holiday Planner	0.50
Shetland Tourist Organisation	Guide to the Isle of Unst	0.40
Smith, H. D.	The Making of Modern Shetland	1.50

## ECONOMIC MONOGRAPHS

	£	
McNicoll, I. H.	Agriculture in the Shetland Economy	
McNicoll, I. H.	The Knitwear Industry in Shetland	
McNicoll, I. H.	The Impact of Oil on the Shetland Economy	
McNicoll, I. H.	The Shetland Fishing Industry: Its Impact on Local Economic Activity	
McNicoll, I. H.	Shetland's Trading Behaviour	
McNicoll, I. H.	Transport in Shetland	
McNicoll, I. H. & Walker, G.	The Shetland Economy 1976-7	1.00
Shetland Islands Council & Orkney Islands Council	Proposals for a Fisheries Management Scheme in the Orkney and Shetland Area	

## FISHING

	£	
Coull, J. R.: Goodlad, J. H.; & Sheves, G. T.	The Fisheries in the Shetland Area. A Study in Conservation and Development	3.00
Jamieson, H.	Harry's Shetland Fishing Almanac 1983	1.50
Nicolson, J. R.	Shetland's Fishing Vessels	2.00
Shetland Anglers Association	A Guide to Shetland Trout Angling	1.00

<b>KNITTING</b>		£
Don, S.	The Art of Shetland Lace	6.95
Don, S.	Fair Isle Knitting	5.95
McGregor, S.	Traditional Fair Isle Knitting	7.95
National Trust for Scotland	Traditional Fair Isle Knitting Patterns	1.50
Smith, M. & Twatt, M.	Shetland Pattern Book	1.80
<b>OIL</b>		£
Shetland Islands Council Research and Development Department	Shetland's Oil Era	12.00
<b>SPECIALIST</b>		£
Berry, J. R. & Johnston, J. L.	The Natural History of Shetland	8.50
Clyde Cruising Club	Shetland Sailing Directions and Anchorages	6.50
Institute of Geological Sciences	British Regional Geology — Orkney and Shetland	2.25
Laing, L.	Orkney and Shetland. An Archaeological Guide	5.95
Nevis Institute	The Shetland Report	5.00
Shetland Islands Council Ports & Harbours Department	The Port of Sullom Voe	0.60
Spence, D.	Shetland's Living Landscape	6.50
<b>WILDLIFE</b>		£
Holloway, J. F. & Thorne, R.	The Birds of Fair Isle	2.00
Holloway, J. F.	Fair Isle's 'Garden' Birds	18.00
Shetland Bird Club	Annual Report	1.70
Tulloch, R.	A Guide to Shetland Mammals	1.50
Tulloch, R. & Hunter, F.	A Guide to Shetland Birds	1.50