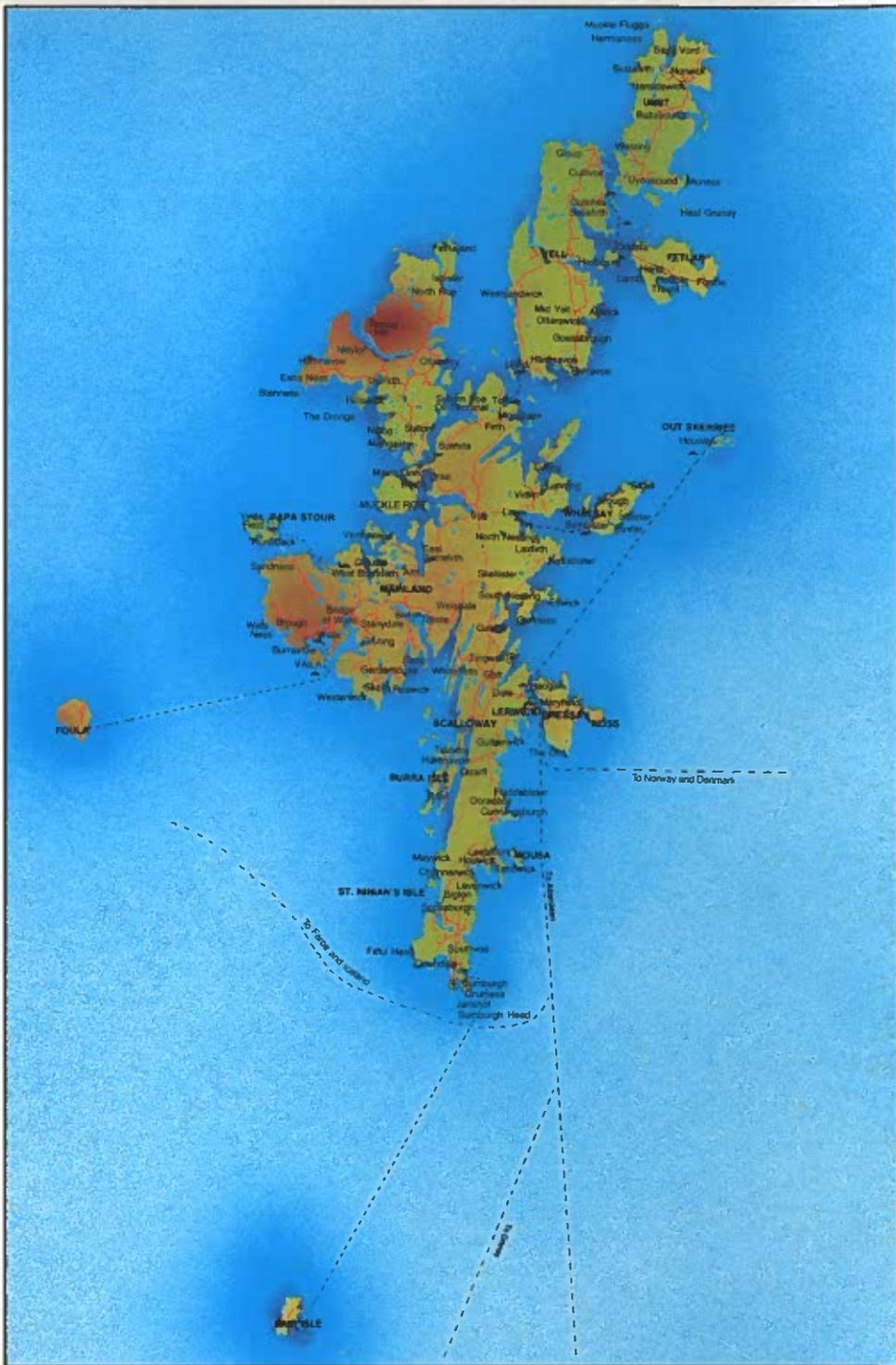




# Shetland in Statistics



Map supplied by Shetland Tourist Organisation



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1989

# Shetland in Statistics



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Cover photo: The fishing vessel Osprey on the Malakoff & William Moore slipway at Scalloway after being lengthened. Photo courtesy of Malakoff & William Moore.

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SIC Departments of Administration, Construction, Design and Technical Services, Education, Environmental Health & Trading Standards, Finance, Housing, Ports and Harbours, Social Work.

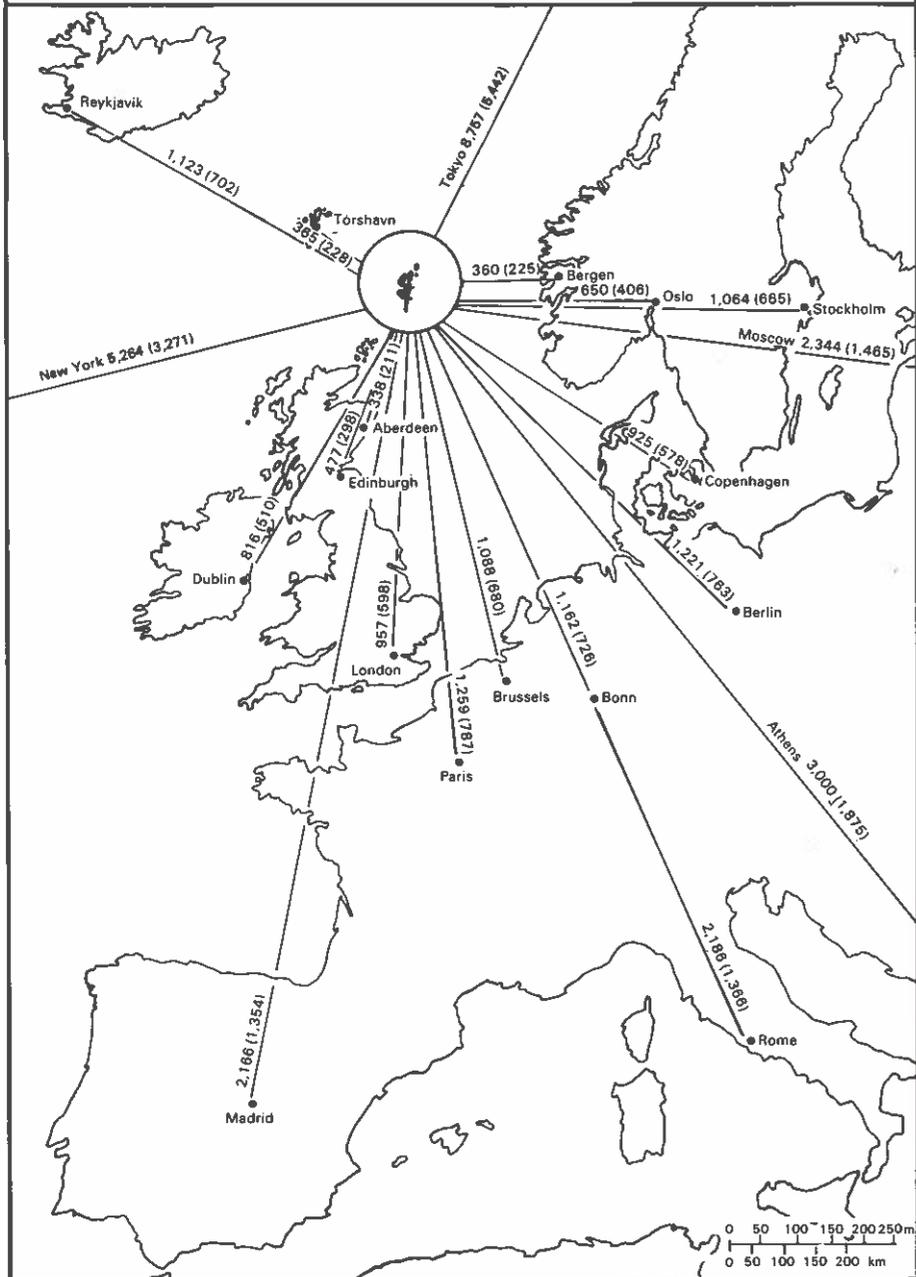
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### Shetland: Location

Lerwick is Lat 60° 9' N and 1° 9' W

Approximate distances from Shetland  
in kilometres (statute miles)



### Shetland: Physical Characteristics

Total Area of Shetland: 1,468 square kilometres (567 square miles)\*

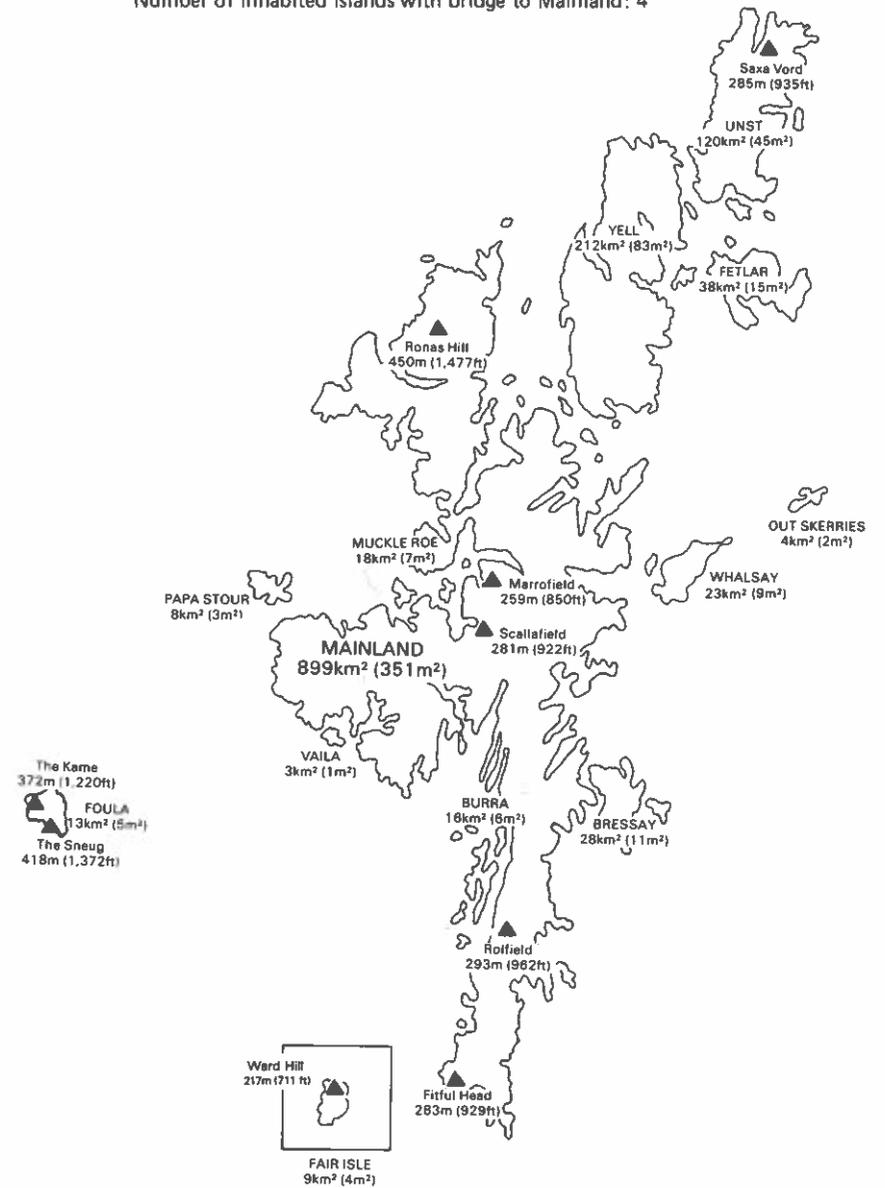
Total Length of coastline: approx. 1,450 kilometres (900 miles)\*\*

\* Ordnance Survey, 1988

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

Number of islands: 100 +

Number of inhabited islands with bridge to Mainland: 4



### Distance by road in kilometres (miles) from Lerwick

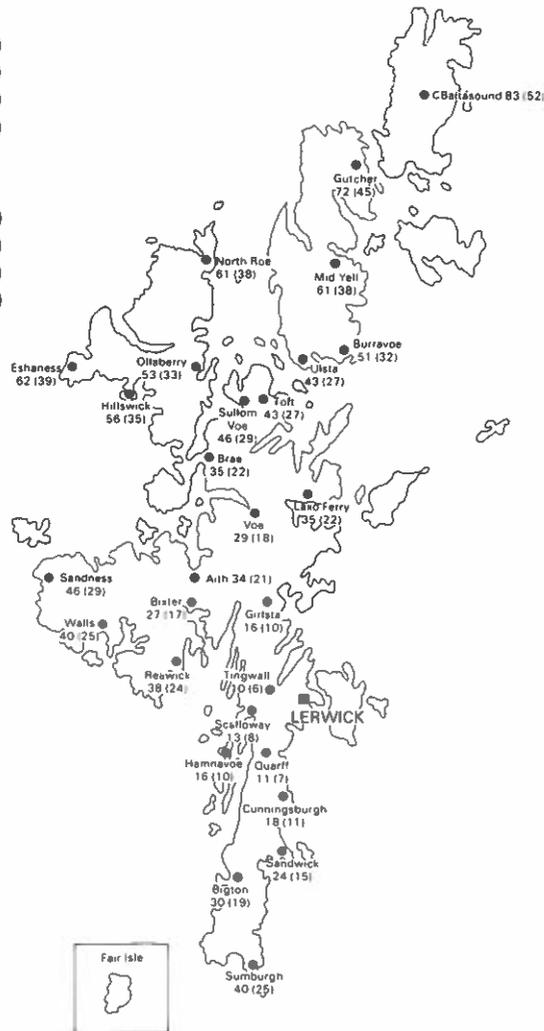
Aith	34(21)	Laxo Ferry	35(22)	Scalloway	13(8)
Bigton	30(19)	Levenwick	28(18)	Skeld	40(25)
Bixter	27(17)	Mossbank	43(27)	Sullom Voe	46(29)
Brae	35(22)	North Roe	61(38)	Sumburgh	40(25)
Cunningsburgh	18(11)	Ollaberry	53(33)	Tingwall	10(6)
Eshaness	62(39)	Quarff	11(7)	Toft Ferry	43(27)
Girlista	16(10)	Quendale	38(24)	Vidlin	35(22)
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)



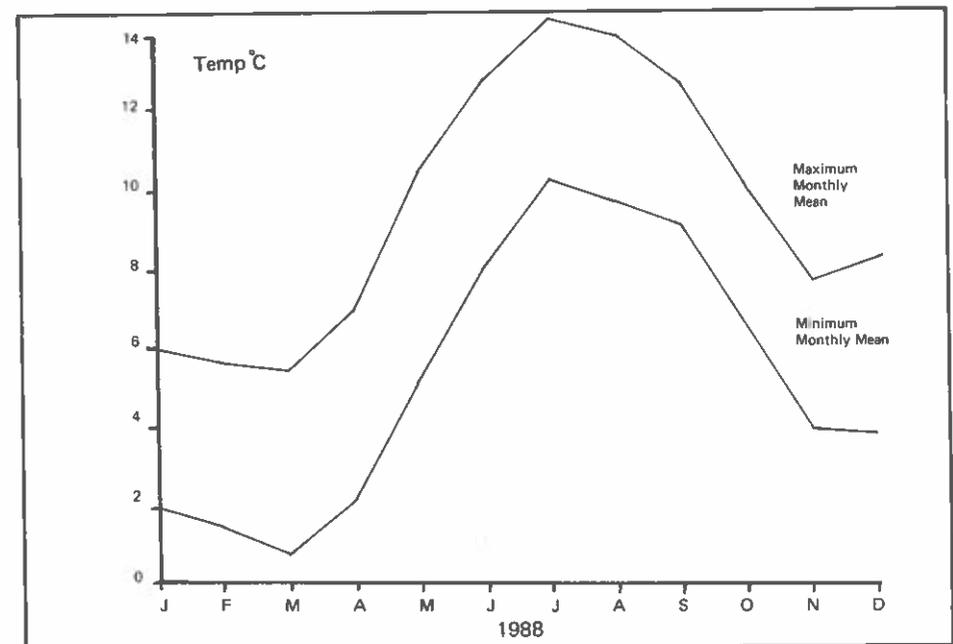
## Climate

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 1988 are as follows:

### Temperature (degrees C)

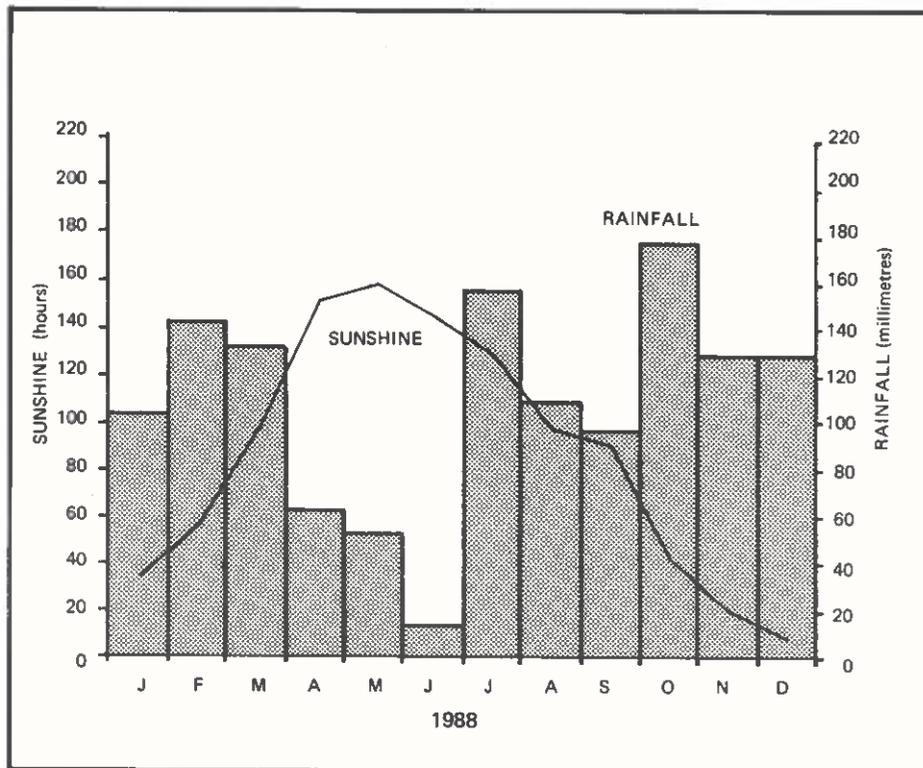
	1988 monthly mean		1951-80 monthly mean		Extreme daily values (1922-1988)	
	Max.	Min.	Max.	Min.	Max.(Year)	Min.(Year)
Jan	5.9	1.9	5.1	1.0	11.7('32,'50)	-8.9('52,'59)
Feb	5.7	1.5	4.9	0.7	11.7('45)	-7.3('80)
Mar	5.5	0.7	6.0	1.7	13.3('61)	-8.3('47)
Apr	7.1	2.1	7.8	2.6	16.1('42)	-5.7('68)
May	10.7	5.6	10.0	5.0	19.4('54)	-2.8('23)
Jun	12.8	8.0	12.5	7.4	23.3('58)	-0.6('24,'29,'31,'51)
Jul	14.4	10.2	13.7	9.0	22.8('26,'58)	3.3('21)
Aug	13.9	9.7	14.0	9.4	21.5('82)	1.7('21)
Sep	12.7	9.1	12.5	8.1	19.4('53)	-0.6('54)
Oct	10.1	6.6	10.3	6.3	17.2('55)	-3.3('48)
Nov	7.7	3.8	7.4	3.3	13.9('46)	-5.7('62)
Dec	8.2	3.7	6.0	1.8	12.2('48)	-8.2('61)
Year	9.6	5.2	9.2	4.7		



## Monthly totals

	Sunshine (hours)		Rainfall (millimetres)	
	1988	Extreme daily values (1921-1988)	1988	Extreme daily values (1921-1988)
Jan	33.7	(23.1)	104	(127)
Feb	57.6	(54.2)	143	(93)
Mar	98.8	(84.0)	132	(93)
Apr	151.9	(135.1)	63	(72)
May	159.2	(152.2)	53	(64)
Jun	145.3	(158.5)	13	(64)
Jul	126.9	(124.9)	156	(67)
Aug	96.6	(117.8)	108	(78)
Sep	90.2	(95.3)	97	(113)
Oct	43.6	(63.5)	177	(119)
Nov	20.7	(32.8)	129	(140)
Dec	7.5	(14.9)	129	(147)
Year	1,032.0	(1,056.3)	1,304	(1,177)

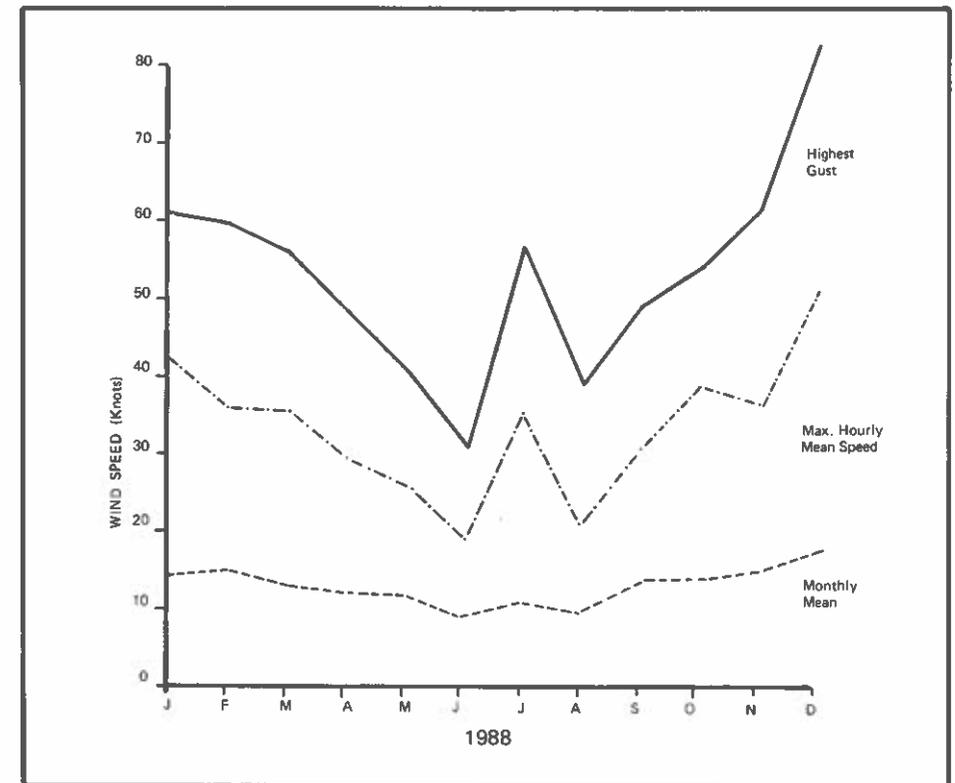
Figures in brackets are 1951-1980 averages.



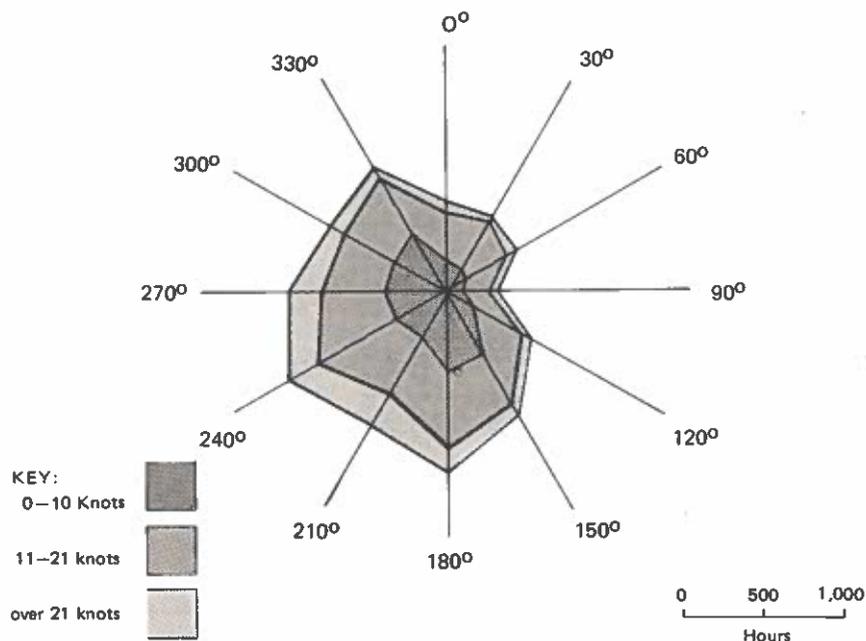
## Wind Speed (knots)

	Max hourly mean speed							
	monthly mean		1922-1988			Highest Gust 1922-1988		
	1988	1951-1985	1988	Dir	Year	1988	Dir	Year
Jan	15.0	(16.9)	42	(64 360 '53)		61	(95 220 '61)	
Feb	15.3	(15.4)	38	(56 230 '81)		59	(83 280 '43)	
Mar	13.4	(15.9)	37	(53 240 '67)		55	(77 240 '67)	
Apr	12.4	(13.3)	31	(55 250 '57)		47	(78 250 '57)	
May	12.1	(11.9)	27	(44 100 '82)		39	(65 110 '82)	
Jun	8.9	(11.7)	20	(42 260 '55)		29	(61 260 '55)	
Jul	11.8	(11.3)	37	(40 030 '40)		56	(61 290 '64)	
Aug	9.7	(10.9)	25	(50 240 '23)		38	(71 240 '23)	
Sep	14.9	(13.2)	32	(59 210 '78)		48	(87 260 '63)	
Oct	14.5	(15.0)	38	(58 230 '65)		54	(90 250 '80)	
Nov	15.3	(15.4)	36	(51 220 '38)		61	(80 280 '36)	
Dec	18.3	(16.9)	50	(51 240 '73)		84	(80 220 '38)	

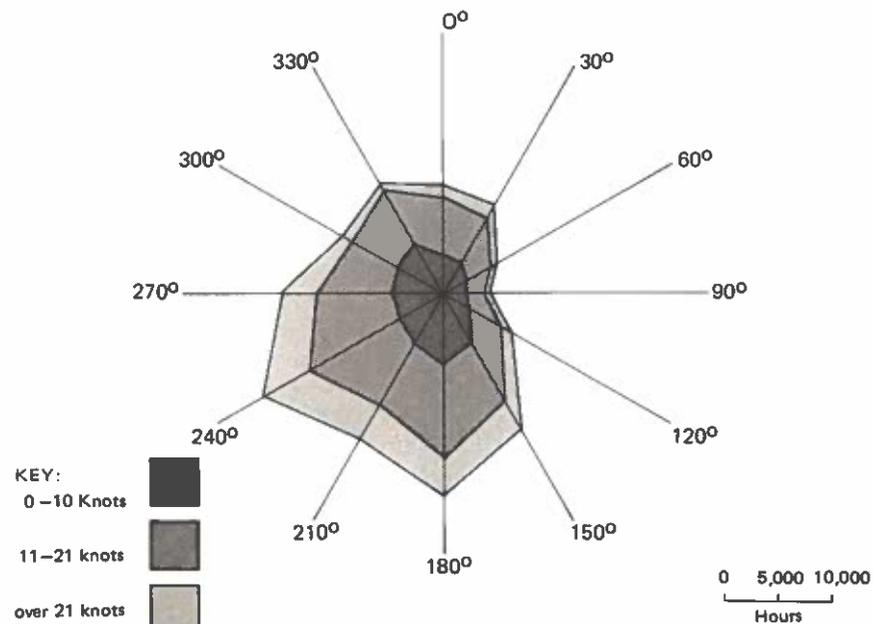
(Lerwick Observatory: 60 08'N, 01 11'W. Wind vane 93m above sea level).



### Wind Direction & Speed: 1988



### Wind Direction & Speed: 1970-86



### No of days in 1988 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Fog	Rain
Jan	16 (14.3)	8 (10.3)	0 (0.8)	3 (7.9)	0 (0.5)	27 (26)
Feb	17 (11.1)	7 ( 9.9)	1 (0.7)	5 (4.7)	0 (0.4)	28 (20)
Mar	16 (11.9)	12 ( 7.2)	0 (0.3)	4 (5.4)	1 (1.0)	28 (21)
Apr	8 ( 7.4)	7 ( 4.7)	0 (0.1)	0 (1.8)	2 (1.5)	16 (19)
May	5 ( 2.3)	0 ( 0.6)	0 (0.1)	0 (0.9)	4 (2.2)	12 (17)
Jun	0 ( 0.1)	0 ( 0.0)	0 (0.3)	0 (0.6)	5 (2.5)	13 (16)
Jul	0 ( 0.0)	0 ( 0.0)	2 (0.4)	1 (0.4)	2 (3.0)	21 (17)
Aug	0 ( 0.0)	0 ( 0.0)	0 (0.3)	0 (0.5)	2 (2.8)	24 (17)
Sep	0 ( 0.1)	0 ( 0.0)	0 (0.1)	0 (2.4)	0 (2.2)	25 (20)
Oct	3 ( 1.4)	1 ( 0.5)	0 (0.2)	4 (4.6)	0 (1.6)	25 (22)
Nov	6 ( 8.3)	3 ( 4.4)	2 (0.9)	4 (5.5)	0 (0.2)	22 (25)
Dec	9 (12.2)	1 ( 8.1)	1 (0.5)	9 (7.9)	1 (0.6)	29 (25)
Year	80 (69.0)	39 (45.8)	4 (4.6)	30 (42.5)	17 (18.6)	270 (245)

Figure in brackets are 1951-1985 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.

Fog: visibility less than 1000 metres at 09H GMT.

Rain: precipitation 0.2mm or more recorded in the 24 hour period commencing 09GMT.

### Extreme Values 1988

#### Temperature (deg. C.)

Max. Temp.	1st July	16.7
Min. Temp.	12th & 13th March	- 4.0

#### Sunshine (hours)

Sunniest Day	7th June	15.8
Sunniest Month	May	159.2

#### Rainfall (millimetres)

Wettest Day	6th October	52.4
Wettest Month	October	177.0
Driest Month	June	13.0

#### Wind Speed (knots)

Highest Gust	22nd December	84
Windiest Month	December	18.3 (monthly mean)

# 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 22,277. The Shetland Health Board estimate of population as at 31st December 1988 (based on NHS registrations) was 23,044.

## 1988

In-migrants.....	907	Births.....	324
Out-migrants.....	940	Deaths.....	224

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

	1931	1951	1961	1971	1981	1986	1987
Unst.....	1,341	1,112	1,151	1,127	1,004	967	974
Yell.....	1,883	1,483	1,152	1,143	1,213	1,120	1,114
Fetlar.....	217	161	127	88	96	97	96
Whalsay.....	900	859	764	870	1,047	1,027	1,023
Skerries.....	110	127	108	100	92	83	85
Mavis Grind - North.....	1,343	1,054	816	696	748	776	771
Delting.....	958	863	701	674	2,755	2,893	2,877
Nesting.....	822	563	434	380			
Tresta - Bridge of Walls....	1,562	1,225	957	873	1,059	950	950
West of Bridge of Walls.....	884	687	561	483	592	550	550
Foula.....	118	75	54	33	43	45	43
Papa Stour.....	100	68	55	24	35	40	35
Whiteness/Weisdale/Gott/ Tingwall.....	1,140	1,604	1,603	1,671*	1,119	1,127	1,112
Scalloway.....	-	-	-	-	1,195	1,119	1,133
Trondra.....	91	54	20	17	86	104	109
Burra.....	767	648	653	565	848	851	872
Lerwick.....	4,221	5,538*	5,908	6,127	7,255	7,502	7,505
Bressay.....	452	335	269	251	347	333	334
Quarff/Gulberwick.....	1,518	426*	385	171	315	382	392
Sandwick/Cunningsburgh..	1,507	1,376	1,172	1,120	1,323	1,263	1,291
Bigton Junction - South...	1,089	1,021	858	848	1,883	1,565	1,568
Fair Isle.....	108	73	64	65	75	66	69
<b>Total Population.....</b>	<b>21,421</b>	<b>19,352</b>	<b>17,812</b>	<b>17,327</b>	<b>23,130</b>	<b>22,860</b>	<b>22,913</b>

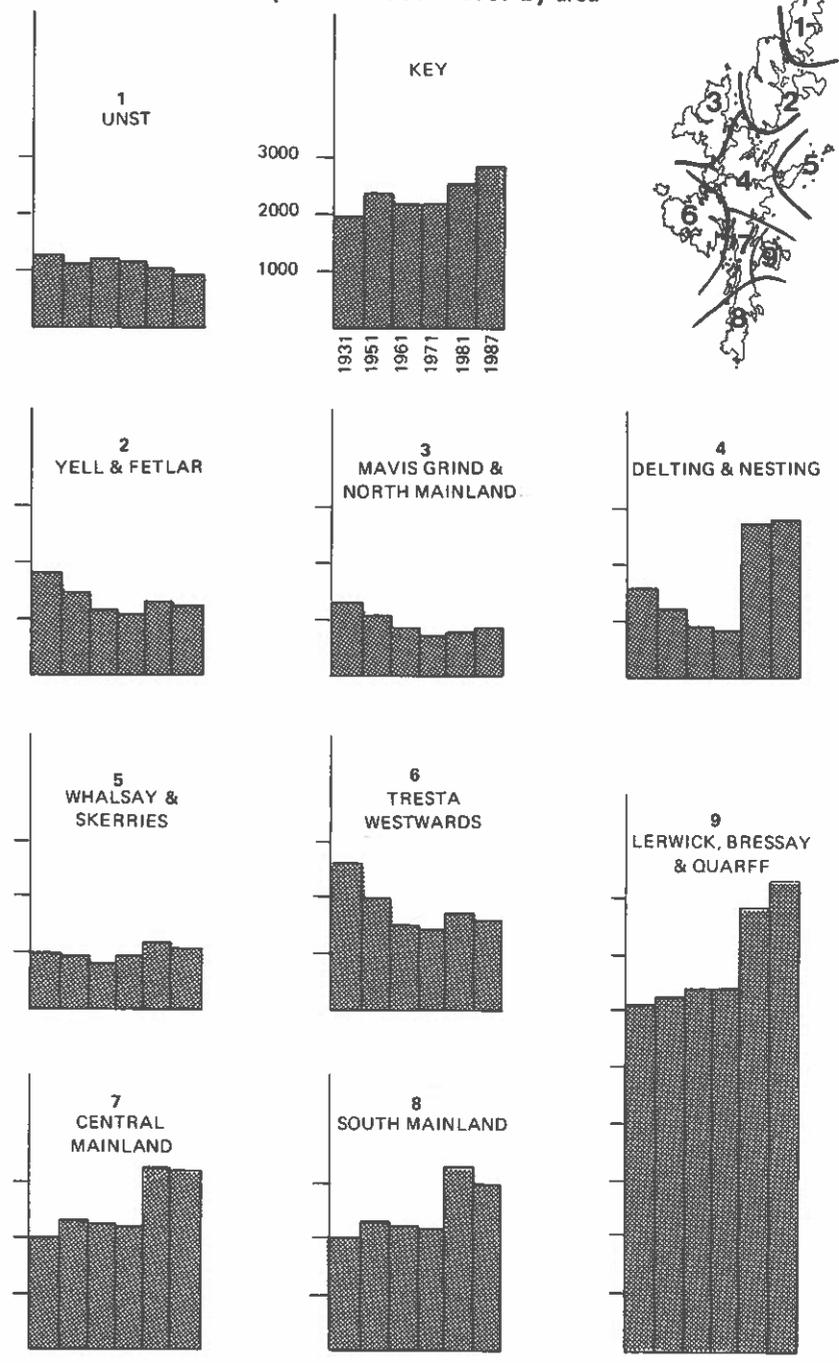
Figures in cols. 1 - 5: Population Census.

Figures in cols. 6 - 7: Shetland Health Board (estimates).

\*Boundary change.

Note: due to computer failure, breakdown by area is unavailable for 1988. At 30th June 1988 the total population based on NHS registrations was 22,939.

## Population 1931 - 1987 by area



## Population Breakdown by Age and Sex

Age Group	1981			1988		
	Males	Females	Total	Males	Females	Total
0-4	888	890	1,778	833	777	1,610
5-9	901	881	1,782	886	825	1,711
10-14	959	913	1,872	875	852	1,727
15-19	907	846	1,753	833	824	1,657
20-24	886	791	1,677	817	784	1,601
25-29	1,006	852	1,858	941	837	1,778
30-34	1,052	874	1,926	895	916	1,811
35-39	857	782	1,639	869	833	1,702
40-44	706	577	1,283	797	800	1,597
45-49	571	518	1,089	571	656	1,227
50-54	503	520	1,023	496	529	1,025
55-59	542	516	1,058	398	486	884
60-64	385	488	873	404	493	897
65-69	443	510	953	382	506	888
70-74	371	512	883	301	435	736
75-79	239	411	650	290	413	703
80-84	157	259	416	175	308	483
85+	64	191	225	72	255	327
<b>Total</b>	<b>11,437</b>	<b>11,331</b>	<b>22,768</b>	<b>10,835</b>	<b>11,529</b>	<b>22,364</b>

1981 figures from 1981 Census - (usually resident population, not including temporary residents).  
1988 figures; Registrar General's estimates for 30th June 1988.

## Employment

### Employment in Shetland

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

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

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

## Employment by Industrial Category in 1988

Primary	Employees	Self Employed	Total
Agriculture	195	206	401
Fishing	0	474	474
Fish Farming	226	13	239
Oil	640	0	640
Energy	99	4	103
Water	27	0	27
<b>Total</b>	<b>1,187</b>	<b>697</b>	<b>1,884</b>

Manufacturing	Employees	Self Employed	Total
Quarrying/Building Products	74	5	79
Marine Engineering	201	8	209
Other Engineering	15	15	30
Fish Processing	370	0	370
Other Food	95	15	110
Knitwear	117	77	194
Other Textiles	38	4	42
Misc	52	15	67
<b>Total</b>	<b>962</b>	<b>139</b>	<b>1,101</b>

Construction	Employees	Self Employed	Total
	766	203	969

Services	Employees	Self Employed	Total
Distribution	1,175	219	1,394
Tourist Accommodation	330	106	436
Catering	213	31	244
Air Transport	225	0	225
Other Transport	652	79	731
P.O./Telecom	176	8	184
Finance Business	321	39	360
Public Admin	657	0	657
Health & Education	1,389	8	1,397
Misc Services	791	36	827
<b>Total</b>	<b>5,929</b>	<b>526</b>	<b>6,455</b>

Note: A Shetland Islands Council Research and Development Department survey showed that in 1983 over 20 per cent of those in employment were part-time. 37 per cent of the workforce were female, and 47 per cent of female jobs were part-time, compared with 8.5 per cent of male jobs.

## Economic Activity in Shetland 1971-1981

	1971			1981		
	M	F	T	M	F	T
Total Population (Census)	8,432	8,895	17,327	11,437	11,331	22,768
Total Population 16 +	6,245	6,825	13,070	8,511	8,493	17,004
Resident: Economically Active	4,935	1,890	6,825	7,056	3,901	10,957
In Employment	4,645	1,785	6,430	6,721	3,743	10,464
Out of Employment	290	105	395	335	158	493
%Economically Active (of 16 + population)	79.0%	27.7%	52.2%	82.9%	45.9%	64.4%

(Source: Population Census). The activity rates for 1988 are estimated to be close to the 1981 rates.

## Unemployment percentage as at June each year

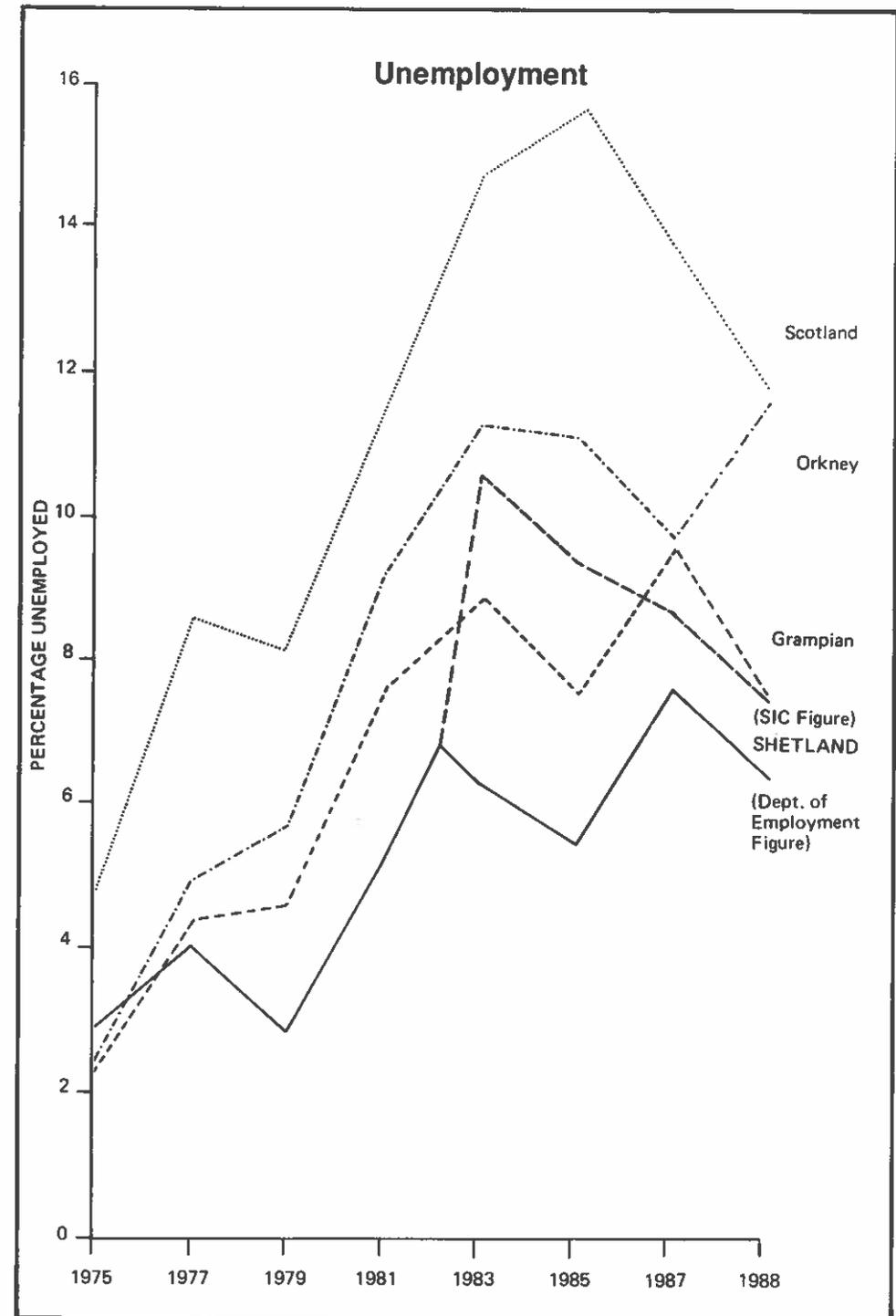
	1973	1977	1979	1981	1983	1985	1987	1988
Shetland %	2.2	4.0	2.8	5.3	6.5	5.5	7.6	6.4
Actual Jan:	283	213	220	402	874	798	899	740
Figures July:	135	289	233	457	729	658	766	611
Orkney %	2.4	4.8	5.7	9.0	11.1	10.9	9.5	11.2
Western Isles%	12.9	14.0	11.8	20.1	19.8	17.4	17.3	20.2
Grampian%	2.4	4.3	4.6	7.6	8.5	7.6	9.4	7.5
Strathclyde%	5.2	9.8	9.8	16.1	16.9	18.5	18.0	15.6
Scotland%	4.3	8.6	8.1	13.5	14.5	15.3	13.7	11.3

Notes: 1. The official unemployment percentage figures for Shetland under-represents the true position due to the official method of calculation and Shetland Islands Council produces its own percentage figures. For example, the official percentage rate for December 1988 was 6.4 per cent, while the council's figure was 7.4 per cent. (Further information on the method of calculating the percentage unemployed is available from the Research and Development Department, Shetland Islands Council). 2. The percentage rate for Scotland changed in 1986 and is now based on the total labour force including, for example, self-employed as well as employees. 3. The basis for calculating the number of people unemployed has been changed several times in recent years by the Government, each time excluding different categories of people.

## Industrial Output Values (£million)\*

	1982/3	1983/4	1984/5	1985/6	1986/7
Fish Catching	11.2	—	—	17.0	16.8
Fish Processing	12.7	—	—	15.0	15.0
Salmon Farming	—	—	2.3	3.3	5.7
Agriculture	5.8	—	—	7.8	8.2
Knitwear	4.2	4.7	5.1	6.4	—
Tourism	3.5	4.1	4.8	5.9	6.9
<b>Total</b>	<b>37.4</b>			<b>55.4</b>	

\*Output values for Shetland's oil and oil-related firms are included in the Industry Section.



## Youth Unemployment in Shetland:

	1980		1982		1984		1985		1986		1987		1988	
	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June
Unemployed	9	34	41	76	69	115	54	129	49	142	48	164	46	108
On Schemes	5	7	38	36	43	51	97	90	120	100	127	126	210	204
<b>Total</b>	<b>14</b>	<b>41</b>	<b>79</b>	<b>112</b>	<b>112</b>	<b>166</b>	<b>151</b>	<b>219</b>	<b>169</b>	<b>242</b>	<b>175</b>	<b>290</b>	<b>256</b>	<b>312</b>

## Agriculture

	1971	1976	1981	1986	1988
<b>Land Use:</b> (Figures to nearest hectare)					
Tillage.....	1,410	1,221	1,062	973	889
Grassland & Crops.....	8,407	8,766	8,400	9,430	12,795
Rough Grazing (including common grazings).	129,019	133,889	133,160	133,880	130,457
Total area rented.....	38,130	37,271	36,046	36,008	35,517
Total area owned.....	28,161	29,566	30,368	31,844	33,154
Number of holdings.....	2,439	2,353	2,240	2,277	2,163
Number of common grazings.....	93	93	93	97	97
<b>Area Under Crops:</b> (Figures to nearest hectare)					
Grass (excluding rough grazing)	6,998	7,545	7,338	8,457	11,907
Barley & Oats.....	857	614	511	406	307
Turnips & Swedes.....	134	122	103	112	112
Kale & Cabbage.....	73	48	34	33	31
Potatoes.....	256	260	232	204	175
Rape.....	48	27	17	44	72
Other Crops.....	17	14	25	61	56
Veg. for Human Consumption (Included in Other Crops prior to 1988)					20
<b>Livestock:</b>					
Beef Cows & Heifers.....	2,492	2,600	1,896	2,251	2,347
Dairy Cows & Heifers.....	791	679	593	767	691
Total Cattle.....	6,945	6,988	5,103	6,340	6,353
Breeding Ewes & Gimmers.....	—	—	—	162,350	195,291
Total Sheep.....	264,779	284,585	297,558	329,912	352,054
Pigs.....	9	39	83	63	45
Poultry.....	12,950	10,286	8,672	6,455	4,702
Registered Slaughter Houses.....	9	9	8	5	4
Sheep Slaughtered.....	8,417	11,440	9,592	14,510	6,169
Cattle Slaughtered.....	485	136	278	446	430
Pigs Slaughtered.....	—	—	—	77	54
Sheep Exported.....	43,464	49,687	60,542	84,364	101,727
Cattle Exported.....	1,947	2,660	2,066	2,198	2,427
Ponies Exported.....	417	618	407	344	218
Pigs Exported.....	—	—	—	3	—
Wool Production (Kilos).....	n/a	n/a	c.212,000	c.300,000	c.310,000
(1988 Average price of locally graded wool (162,079kg.), including Government Support element of 2.27p/kilo=112p approx.					

	1971	1976	1981	1986	1988
<b>Milk:</b>					
Dairy Units.....	23	22	23	19	18
Milk Production (Litres).....	1,428,975	1,632,150	2,069,550	2,576,847	2,680,493
<b>Employment: *</b>					
Full & part-time employees.....	222	210	204	203	262
Full & part-time occupiers.....	439	509	457	468	1,129
Others (including occupiers less than half time, wives/husbands of occupiers and casual/seasonal labour).....	584	787	718	799	1,032

\* Figures prior to 1988 exclude employment on the statistically insignificant holdings (1,240). In 1982 this was estimated to be between 800 and 900. In 1985-86 the value of Shetland's Agriculture Output was estimated to be £8.2 million, including subsidies. (Full survey currently in progress - results in next edition).

	1976	1981	1986	1988
<b>Capital Improvement</b>				
<b>Land Improvement</b> (figures to the nearest hectare unless stated)				
Reclamation.....	22	16	90	15
Reseeding.....	—	—	109	353
Regeneration.....	120	283	587	54
Laying to Permanent Pasture.....	—	—	10	—
Drainage (metres).....	18,471m	20,864m	166,944	91,500*
Apportionments.....	183	1,305	961	1,009**
<b>Grant Aided Capital Investment</b>				
New Silos.....	8	1	8	3
Fanks and Dippers.....	4	6	10	13
New Byres.....	4	2	1	0
GP Sheds.....	6	10	35	12
Slatted Courts.....	2	1	2	0
Cubicle Houses.....	0	2	1	0
New Croft Houses.....	0	17	14	13
Croft House Improvements.....	n/a	3	3	4

In 1988 Shetland accounted for 16.75% of claims at 16.20% of the total expenditure of the Crofters Commission. Orkney accounted for 10.73% of claims at 10.73% of total expenditure, and Caithness accounted for 10.25% of claims at 12.54% of total expenditure.

\* The drainage figure includes both ditching and piped drainage. The figure given is calculated from the overall grant paid and is based on approximately 5,000 metres of piped drainage being carried out during the year.

\*\* From 1st January 1988 to 31st December 1988, 67 apportionment applications were received, and 49 apportionments were granted for a total area of 1,009 hectares.

## Shetland Islands Council Charitable Trust Assistance to Shetland Agriculture

As part of the Shetland Islands Council's 10 Year Agricultural Plan, the Council's Charitable Trust operates an Agricultural Loans Scheme which started in September 1982. The following table summarises the salient features of the 237 agricultural loans approved up to and including the Trustee's meeting of 23rd December 1988.

### Development Projects:

Type of Project	Numbers	Hectares	Metres	Gross Cost
Drainage/Ditching		75.70	373,286	£ 311,975
Fencing		218.50	447,463	£ 824,833
Roads			29,017	£ 182,606
Reseeding		3,640.40		£1,228,152
Buildings				£2,132,747
Machinery				£1,010,497
Livestock: Sheep	10,768			£ 306,751
Cattle	436			£ 207,645
Pigs	7			£ 820
Land Purchased/Assigned		2,081.89		£ 486,464
Loan to NEF to provide Emergency Stockpile of Animal Feedstuffs				£ 32,000
Other (Horticultural & Drystane Dykes)				£ 73,550
Allowance for Inflation				£ 261,800
<b>Total Gross Cost</b>				<b>£7,059,840</b>
Financed by: Grants (from D.A.F.S., H.I.D.B. and S.I.C. Reserve Fund)				£2,694,907
Personal Contributions (A minimum of 15% of the Gross costs before inflation. This does not apply to the £32,000 Emergency Stockpile)				£1,050,888
Loans from the SIC Charitable Trust				£3,314,045
Balance of Funds				£ 398,015
Sums Relinquished/Loans Withdrawn				£ (266,060)
Scheme Total				£3,446,000

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

## Fisheries

### Fish landed in Shetland by UK vessels\*

	White Fish		Shell Fish		Sand Eels	
	Tonnes	£	Tonnes	£	Tonnes	£
1971	17,954	1,057,691	783	159,370	—	—
1976	13,457	2,587,548	588	202,339	18,548	515,398
1981	11,444	3,212,175	695	328,200	40,731	1,173,560
1985	15,314	8,806,974	642	416,693	17,223	528,129
1986	18,941	9,979,705	736	630,639	11,960	359,162
1987	17,298	12,764,227	868	623,891	8,141	249,273
<b>1988</b>						
Jan	1,109	1,005,559	40	43,297	—	—
Feb	1,315	1,095,220	58	58,832	—	—
Mar	1,411	1,066,789	81	73,039	—	—
Apr	1,193	957,964	43	43,940	1,522	53,132
May	929	707,437	91	49,881	2,434	86,946
Jun	1,363	921,575	113	68,893	2,669	98,711
Jul	950	764,017	24	29,921	1,906	71,646
Aug	1,204	794,441	85	51,438	697	27,855
Sep	1,320	909,662	93	52,840	131	5,186
Oct	1,346	993,484	51	47,448	77	3,026
Nov	1,181	854,561	71	99,105	—	—
Dec	976	808,430	45	71,454	—	—
<b>Total</b>	<b>14,297</b>	<b>10,879,139</b>	<b>795</b>	<b>690,088</b>	<b>9,436</b>	<b>341,502</b>

\*Excluding pelagic landings

### Included in White Fish Total

	1986		1987		1988	
	Tonnes	£	Tonnes	£	Tonnes	£
Cod	2,362	1,956,727	3,303	2,794,933	2,958	2,646,931
Haddock	7,260	4,104,819	6,033	4,271,014	5,118	3,116,143
Whiting	3,811	1,930,022	4,258	2,363,918	2,561	1,487,444
Monk Fish	533	803,620	1,120	1,731,724	1,575	2,285,061

### Average Quay Prices per tonne

	1983	1984	1985	1986	1987	1988
	£	£	£	£	£	£
Cod	463.15	581.33	634.85	828.42	846.18	894.8
Haddock	383.01	513.70	610.10	565.40	707.94	610.64
Whiting	319.13	391.95	476.92	506.43	555.17	591.65
Monk Fish	—	—	—	1,507.6	1,832.6	1,818.6

## Pelagic Landings in Shetland by UK Vessels

	Herring		Mackerel		Horse Mackerel	
	Tonnes	£	Tonnes	£	Tonnes	£
1983	4,656	643,822	—	—	—	—
1984	17,784	2,251,719	49	2,782	488	25,393 (a)
1985	31,938	3,804,000	2,710	226,585	1,109	49,886 (a)
1986	51,230	5,216,706	226	29,558	313	31,302 (a)
1987	45,193	5,425,585	1,120	118,517	335	22,441 (b)
<b>1988</b>						
Jan	—	—	—	—	—	—
Feb	—	—	—	—	—	—
Mar	—	—	—	—	—	—
Apr	—	—	—	—	3,138	110,264 (c)
May	—	—	—	—	1,101	38,517 (c)
Jun	—	—	—	—	—	—
Jul	846	100,228	0.4	73	—	—
Aug	27,368	3,351,224	0.6	70	43	2,580 (d)
Sep	7,586	782,073	—	—	—	—
Oct	—	—	—	—	—	—
Nov	—	—	75	2,256	—	—
Dec	110	—	841	53,180	—	—
<b>Total</b>	<b>36,910</b>	<b>4,233,525</b>	<b>917</b>	<b>55,579</b>	<b>4,282</b>	<b>151,361</b>

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

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

	1985		1986		1987		1988	
	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
	68,966	13,828,680	74,839	15,547,208	72,088	18,580,043	64,842	15,661,106

## Employment in the Shetland Fishing Industry

	1971	1981	1983	1985	1986	1987	1988
Catching	636	542	515	503	507	512	535
Processing	967	480	516	542	567	468	329
Ancillary	171	243	244	259	265	326	330
<b>Total</b>	<b>1,774</b>	<b>1,265</b>	<b>1,275</b>	<b>1,304</b>	<b>1,339</b>	<b>1,306</b>	<b>1,194</b>

(Source: D.A.F.S.)

## Weight and Value of Catch by Method

	1986		1987		1988	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	6,605	3,990,827	4,644	3,245,430	3,669	2,378,292
Industrial Trawl	11,963	360,925	8,141	249,273	9,436	346,502
Demersal Trawl	9,556	5,921,822	11,525	8,832,832	10,085	7,897,085
Purse Seine	43,952	4,455,263	45,782	5,467,450	36,093	4,219,917
Pair Trawl (Demersal)	227	23,153	1,087	648,904	944	608,525
Pair Trawl (Pelagic)	1,798	177,892	798	90,689	925	90,917
Single Boat Trawl	—	—	66	8,304	4,239	148,781
Beam Trawl	—	—	4	5,386	—	—
Gill Nets	—	—	10	7,020	1	700
Scallop Dredging	365	443,280	320	384,467	366	456,264
Queen Escallop	—	—	—	—	—	—
Dredging	96	31,449	64	21,941	28	8,472
Creels	268	134,387	483	215,066	376	197,583
Hand & Small Lines	3	663	29	25,674	18	21,018
Hand Gathered	6	7,547	10.4	550	1	1,164
Foreign Landings	12,045	1,033,509	1,018	220,635	9,830	503,419
<b>Total</b>	<b>86,884</b>	<b>16,580,717</b>	<b>73,971.4</b>	<b>19,423,621</b>	<b>76,011</b>	<b>16,878,639</b>

## Landings by Shetland Vessels outwith Shetland, 1988

	Herring		Mackerel		White Fish	
	Tonnes	£	Tonnes	£	Tonnes	£
Ullapool	930	83,868	28,549	3,266,762	—	—
Aberdeen	142	20,597	99	14,355	275	196,675
Peterhead	227	15,872	—	—	19	11,378
Scrabster	—	—	—	—	216	159,026
Eire	—	—	1,745	191,921	—	—
Denmark	1,147	176,610	12,111	2,315,368	—	—
Norway	—	—	1,048	199,720	—	—
Faroe	—	—	2,572*	180,018	—	—
<b>Total</b>	<b>2,446</b>	<b>296,947</b>	<b>46,124</b>	<b>6,168,144</b>	<b>510</b>	<b>367,079</b>

\* Horse Mackerel.

## Landings by Non-Shetland UK vessels in Shetland 1988

	White Fish	Herring	Mackerel	Horse Mackerel	Sand Eels
Tonnes	1,222	24,375	349	13	4,726
(£)	833,696	2,854,961	27,014	504	175,312

## Landings by value at UK Ports\*

	1987 £		1983 £
1 Peterhead	77,008,195	1 Peterhead	50,222,000
2 Aberdeen	34,254,055	2 Aberdeen	25,401,000
3 Ullapool	18,365,416	3 Grimsby	19,092,033
4 Shetland (1)	17,476,106	4 Ullapool	16,178,490
5 Lowestoft	14,517,553	5 Fraserburgh	11,901,000
6 Fraserburgh	14,199,209	6 Lowestoft	8,452,297
7 Newlyn	13,748,346	7 North Shields	7,993,781
8 Kinlochbervie	13,704,010	8 Shetland (1)	7,754,000
9 Grimsby	12,755,636	9 Mallaig	6,874,000
10 Brixham	10,405,173	10 Ayr (2)	6,803,000

\*Landings by UK boats only for white fish, pelagic and shellfish.

(1) Includes Lerwick and Scalloway. Figures for each port in 1987 were: Lerwick £11,734,168; Scalloway £5,741,938.

(2) Includes Girvan and Kirkcudbright.

## Distribution of Vessel Type\*

	Purse Seiners		Trawlers/Seiners		Vessels		Total
			over 80ft**	50-80ft	30-50ft	20-35ft	
1971	3	—	38	36	59	136	
1976	5	—	46	29	57	137	
1981	10	—	43	27	44	124	
1983	11	—	43	25	46	125	
1985	12	—	41	29	55	137	
1986	10	—	36	19	48	113	
1987	10	—	39	15	64	128	
1988	10	5	34	15	47	111	

\*The 1971-1985 figures were compiled from Harry's Fishing Almanac. The subsequent figures were provided by DAFS and only include full-time commercial fishing vessels.

\*\* New category introduced 1988.

## Distribution of Vessel Type by District 1988

	Purse Seiners		Trawlers/Seiners		Vessels		Total
			over 80ft	50-80ft	35-50ft	20-35ft	
South Mainland & Fair Isle	—	—	—	—	—	4	4
Lerwick & Bressay	1	—	6	2	4	13	
Whalsay	8	2	8	1	1	20	
Out Skerries	—	—	3	—	1	4	
Yell, Fetlar & Unst	—	—	2	2	4	8	
Central Mainland	—	—	—	1	4	5	
Northmavine	1	—	1	—	2	4	
West Mainland (inc. Foula)	—	1	1	1	13	16	
Scalloway, Burra & Trondra	—	2	13	8	14	37	
<b>Total</b>	<b>10</b>	<b>5</b>	<b>34</b>	<b>15</b>	<b>47</b>	<b>111</b>	

Source: DAFS

## Fish Processing

	1984	1985	1986	1987	1988	1989
Number of firms	8	8	12	11	12	13
Number of factories	14	14	15	14	14	14

## Processing lines

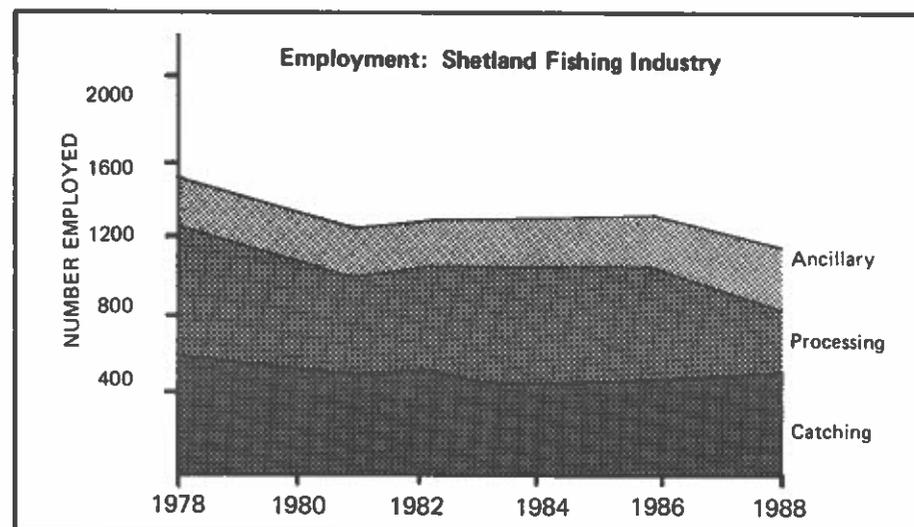
	1984	1985	1986	1987	1988	1989
White fish	11	11	11	12	7	7
Herring & Mackerel	1	1	2	1	—	1
Fish meal plants	2	2	2	2	2	2
Shellfish	2	2	2	2	2	2
Salmon	—	—	—	—	5	6

In general the processing industry showed improvement in 1988 compared to 1987. In early 1988 shortages of supplies, high market prices and adverse exchange rates for the UK pound against the US dollar resulted in continuing problems for many white fish firms. However, various firms continued processing locally farmed salmon which helped lessen the adverse effects on employment.

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

The Shetland Seafood Quality Company ensures the high standard of the industry's products.

\*McNicol, I.H., Survey of the Shetland Economy, 1982-1983.



## Salmon Industry

The salmon farming industry in Shetland has grown rapidly over the past five years and the total value of farmed fish in 1988 almost equalled the value of the traditional fish catching industry. While most of the salmon produced is exported fresh, an increasing amount is processed within the islands. In 1988 the industry had created 139 full-time and 164 part-time jobs.

### Salmon Farms

	1984	1985	1986	1987	1988
Farms established	5	14	13	5	10
Farms producing	4	13	27	38	43
<b>Total</b>	<b>9</b>	<b>27</b>	<b>40</b>	<b>43</b>	<b>53</b>

### Production

	1984	1985	1986	1987	1988
Smolts introduced(x000)	294	575	935	2,054	3,195
Production (tonnes)	50	700	1,500	2,175	4,575
Average tonnes per farm	3.5	53.8	55.6	57.2	126

### Value

	1984	1985	1986	1987	1988
Production value(£m)	0.22	2.7	5.68	8.7	18.3
Average per tonne(£)	4,400	3,857	3,787	4,000	4,000

## Oil

### Exploration and Development

- 1970 The exploration phase for oil and gas offshore Shetland began when the first Licence Blocks were allocated by the Government.
- 1971 Exploration activity began with supply and helicopter services established in Shetland to support offshore activities.
- 1975 The development phase. The laying of the Brent and Ninian pipeline systems, and the floatout of the Beryl and Brent field production platforms. Construction work began on the Sullom Voe Oil Terminal.
- 1976 The main Brent and Ninian pipelines to the Sullom Voe Terminal were completed.
- 1978 The first oil was piped to Sullom Voe through the Brent pipeline from the Dunlin oilfield on 25th November. The first oil was shipped out from the terminal by the Shell tanker 'Donovania' five days later and on 31st December the first oil arrived through the Ninian pipeline from the Heather oilfield.
- 1982 In April the first fractionation of gas took place at the terminal and a month later the first gas was shipped out. In December the final construction and commissioning work at the terminal was completed and Sullom Voe received its one billionth (1,000 million) barrel of oil.
- 1983 The 21st British North Sea oilfield, North West Hutton, was brought on stream in April, adding 38,000 barrels per day to the Brent pipeline system. In July work on spur booms in Sullom Voe was completed giving protection against marine pollution unequalled in Europe. In August the terminal received the first oil from the Magnus field, the most northerly production platform in British waters. The largest cargo, of 307,924 tonnes of oil was lifted by the tanker 'Lepton'.
- 1984 The Beryl B and Deveron oilfields came on stream. On 16th October the terminal received a record total of 1,482,065 barrels of crude oil in 24 hours. In November the 100th gas tanker and the 3,000th oil or gas tanker arrived at the port.
- 1985 On 7th January a new 24 hour throughput record of 1,503,417 barrels was established and a record 5,184 tonnes (61,085 barrels) of Liquefied Petroleum Gas was processed. The Ninian pipeline system established a new daily production record of 471,579 barrels on the same day. Three days later a new daily production record of 1,037,489 barrels was established by the Brent pipeline system. On 9th May the two billionth barrel of stabilised crude oil was produced at the terminal. The development plan for the terminal was completed in October with the opening of a new administration building.
- 1986 The 100 millionth barrel of crude from the North Cormorant platform was received at Sullom Voe in February. The terminal's new nitrogen plant was fully commissioned in April. In June the terminal established a world record export of gas. The tanker 'Gas Enterprise' took on 10,734 tonnes of propane and 29,293 tonnes of butane.
- 1987 In September LPG processing and shipment was suspended for major repairs to corrosion under insulation on process pipelines (CUI). On 30th October the three billionth barrel of stabilised crude oil was produced at the terminal. The North Alwyn field was brought on stream in November and is projected to reach 400,000 barrels per day in early 1988 through the Ninian line.
- 1988 On 11th April the 96,130 tonne 'Peggy' became the first tanker to clock up 100 visits to the terminal. Following resumption of LPG production, the first cargo of LPG was loaded onto the gas tanker Hesiod on 1st September. The Eider field, with recoverable reserves of 85 million barrels, was brought on stream in early November and on the 28th, formal agreement between the terminal's participants and the S.I.C. regarding the leasing of the terminal site was signed at Busta House.

## Oilfields in Production

Name of Field	Date Field on stream	Operator	Average production Jan-Dec 1987*
Beryl A	1976	Mobil	43-73,000
Brent (B)	1976	Shell	389-499,000
Dunlin (B)	1978	Shell	51-189,000
Heather (N)	1978	Union	4-24,000
Ninian (N)	1978	Chevron	141-157,000
Thistle (B)	1978	Britoil	50-66,000
South Cormorant (B)	1979	Shell	40-129,000
UK Statfjord	1979	Conoco	105-128,000
Murchison (B)	1980	Conoco	50,75,000
North Cormorant (B)	1982	Shell	86-415,000
North West Hutton (B)	1983	Amoco	19-41,000
Magnus (N)	1983	BP	78-157,000
Beryl B	1984	Mobil	22-34,000
Deveron (B)	1984	Britoil	4.5-7,500
Hutton (B)	1984	Conoco	55-70,000
North Alwyn (N)	1987	Total	65-105,000
Eider (B)	1988	Shell	10,000

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

\* Barrels per day.

## Fields Under Development

Name of Field	Operator	Estimated date on stream	Estimated peak production*
Tern	Shell/Esso	1989	55,000
Don	Britoil/Shell/Esso	1989	12,000
Osprey	Shell/Esso	1990	25,000

\* Barrels per day.

## Sullom Voe Oil Terminal

The Terminal is situated at Calback Ness on a site of approximately 400 hectares (1,000 acres) on the shores of Sullom Voe, 46 km. (29 miles) north of Lerwick. It is Europe's largest oil and liquefied gas terminal and has the capacity to handle over half the UK's potential offshore oil production during the 1980s. BP Petroleum Development Ltd. operates the terminal on behalf of the c. thirty companies participating in the Brent and Ninian pipeline groups. Construction of the facilities began in February 1975 with a peak workforce of over 7,000 in 1980 and final construction and commissioning was completed in December 1982. The Terminal has a throughput design capacity of 1.41 million barrels of crude oil per day (70 million tonnes per year) and reached a peak in 1984 with a total receipt of 439,434,656 barrels (58,328,785 tonnes), an average of over 1.2 million barrels per day, and now averages just over 1 million barrels per day.

## Brent Pipeline System: throughput of oil

	1979	1983	1985	1987	1988
Barrels	77,552,205	273,744,800	300,530,869	260,422,723	242,918,919
Tonnes	10,367,579	36,244,680	39,796,300	34,458,814	32,103,855

## Ninian Pipeline System: throughput of oil

	1979	1983	1985	1987	1988
Barrels	63,665,158	123,365,814	136,207,965	110,640,234	135,273,346
Tonnes	8,555,865	16,548,268	18,190,078	14,735,527	17,869,408

## Sullom Voe Terminal: total throughput of oil

	1979	1983	1985	1987	1988
Barrels	141,217,363	397,110,614	436,738,834	371,062,957	378,192,265
Tonnes	18,923,444	52,772,948	57,986,378	49,194,341	49,973,263

## Sullom Voe Terminal: average barrels per day

	1979	1983	1985	1987	1988
Brent system	212,472	749,986	823,372	713,487	666,531
Ninian system	174,425	337,988	373,173	303,124	370,612
Total	386,897	1,087,974	1,193,805	1,016,611	1,036,143

## Brent pipeline system: throughput of gas (tons)

	1982	1984	1985	1986	1987	1988*
Propane	174,889	492,419	188,713	476,742	286,656	81,147
Butane	128,624	371,195	368,347	375,641	226,076	50,291

## Ninian pipeline system: throughput of gas (tons)

	1982	1984	1985	1986	1987	1988*
Propane	176,805	349,007	388,602	346,478	218,732	91,518
Butane	115,072	278,638	281,990	254,621	164,561	63,983

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

	1982	1984	1985	1986	1987*	1988*
Propane	351,694	886,426	877,727	823,220	505,388	172,665
Butane	243,696	649,833	650,337	630,262	290,637	114,274

## Sullom Voe harbour: total of tankers using port

	1979	1981	1982	1983	1984	1985	1986	1987	1988
Oil	270	432	536	568	672	672	654	580	593
Gas	—	—	55	111	124	114	112	70	18

Conversions for Crude Oil (approximate):

- (i) 1 American Barrel = 159 litres  
 (ii) Crude Oil has a Specific Gravity which varies between 0.80 and 0.97. At an S.G. of 0.80 there are approximately 8 barrels to the tonne, and approximately 6.6 barrels to the tonne at an S.G. of 0.97.

## Permanent Terminal Workforce

	1981	% local	1982	% local	1983	% local	1984	% local
SIC Ports & Harbours	92	(63)	90	(74)	91	(76)	96	(71)
Shetland Towing	86	(88)	92	(85)	93	(85)	91	(93)
BP	407	(48)	406	(50)	414	(54)	413	(54)
Sub-Contractors	336	(41)	460	(37)	642	(46)	618	(54)
<b>Total Employees</b>	<b>921</b>	<b>(50)</b>	<b>1,048</b>	<b>(49)</b>	<b>1,240</b>	<b>(54)</b>	<b>1,218</b>	<b>(58)</b>

	1985	% local	1986	% local	1987	% local	1988	% local
SIC Ports & Harbours	99	(72)	99	(72)	96	(71)	91	(70)
Shetland Towing	92	(93)	92	(93)	92	(93)	94	(94)
BP	414	(56)	583	(59)	583	(59)	558	(58)
Sub-Contractors	475	(62)	223	(68)	211	(58)	589*	(44)
<b>Total Employees</b>	<b>1,080</b>	<b>(63)</b>	<b>997</b>	<b>(73)</b>	<b>982</b>	<b>(63)</b>	<b>1,332</b>	<b>(55)</b>

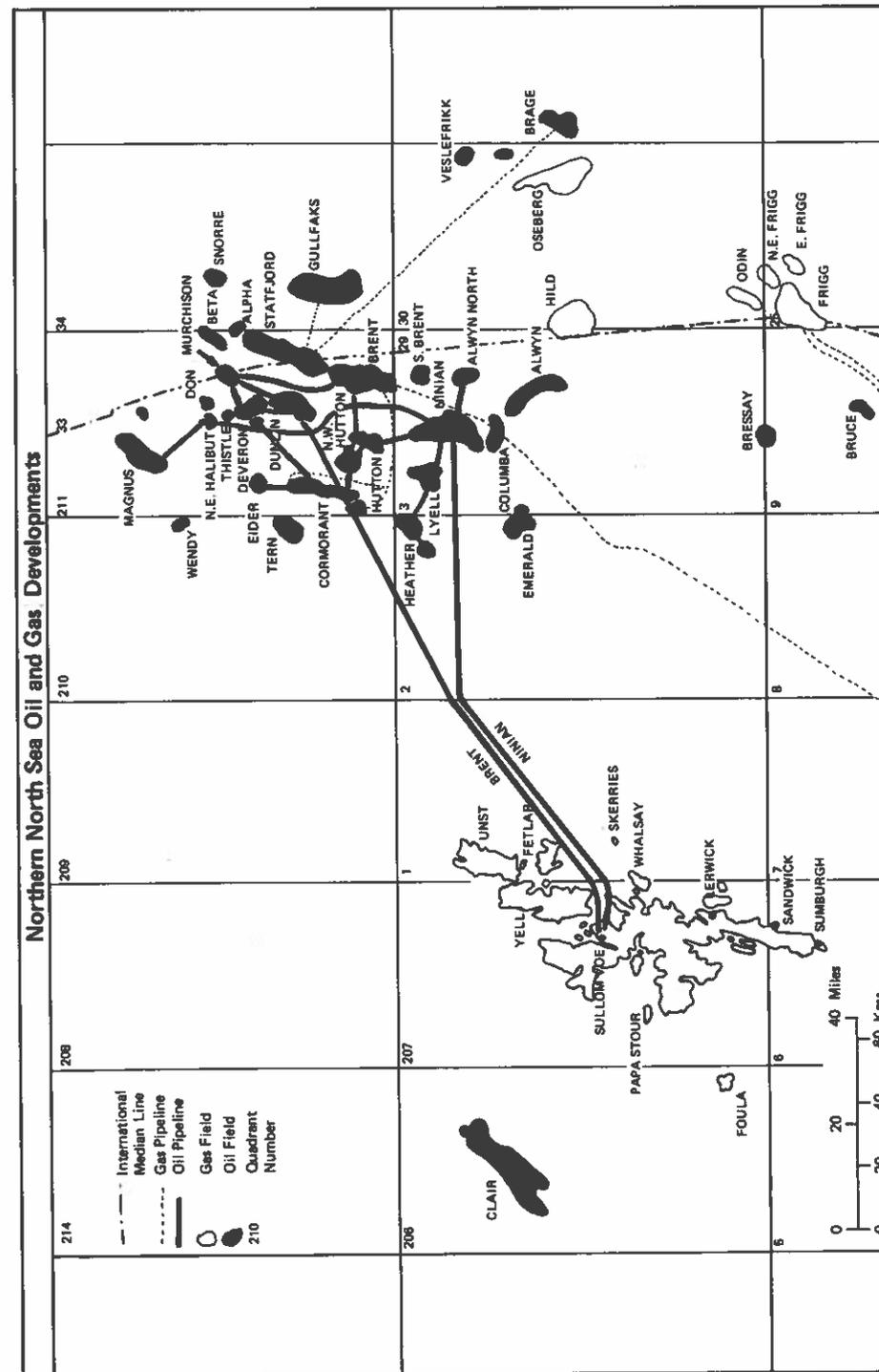
Source: Joint Employment Monitoring Group; BP; Shetland Towing; SIC Ports & Harbours Department.

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

## Marine Service Bases

Base	Area in Hectares (Acres)	Berths Operational
BP Petroleum Development Ltd.	1.91 (4.25)	2
O.I.L. (Shetland) Ltd. (Greenhead Base)	16.20 (40.00)	9
Shell UK Exploration & Production Ltd.	4.05 (10.00)	2
Shetland Industries Ltd.	4.05 (10.00)	2

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



## Marine Service Employment (Mid Year estimates)

1972	1976	1981	1982	1983	1984	1985	1986	1987	1988	
								March	Sept	March
21	185	391	327	316	271	295	288	230	215	220

Source: Joint Employment Monitoring Group.  
SIC Survey.

## Output Values

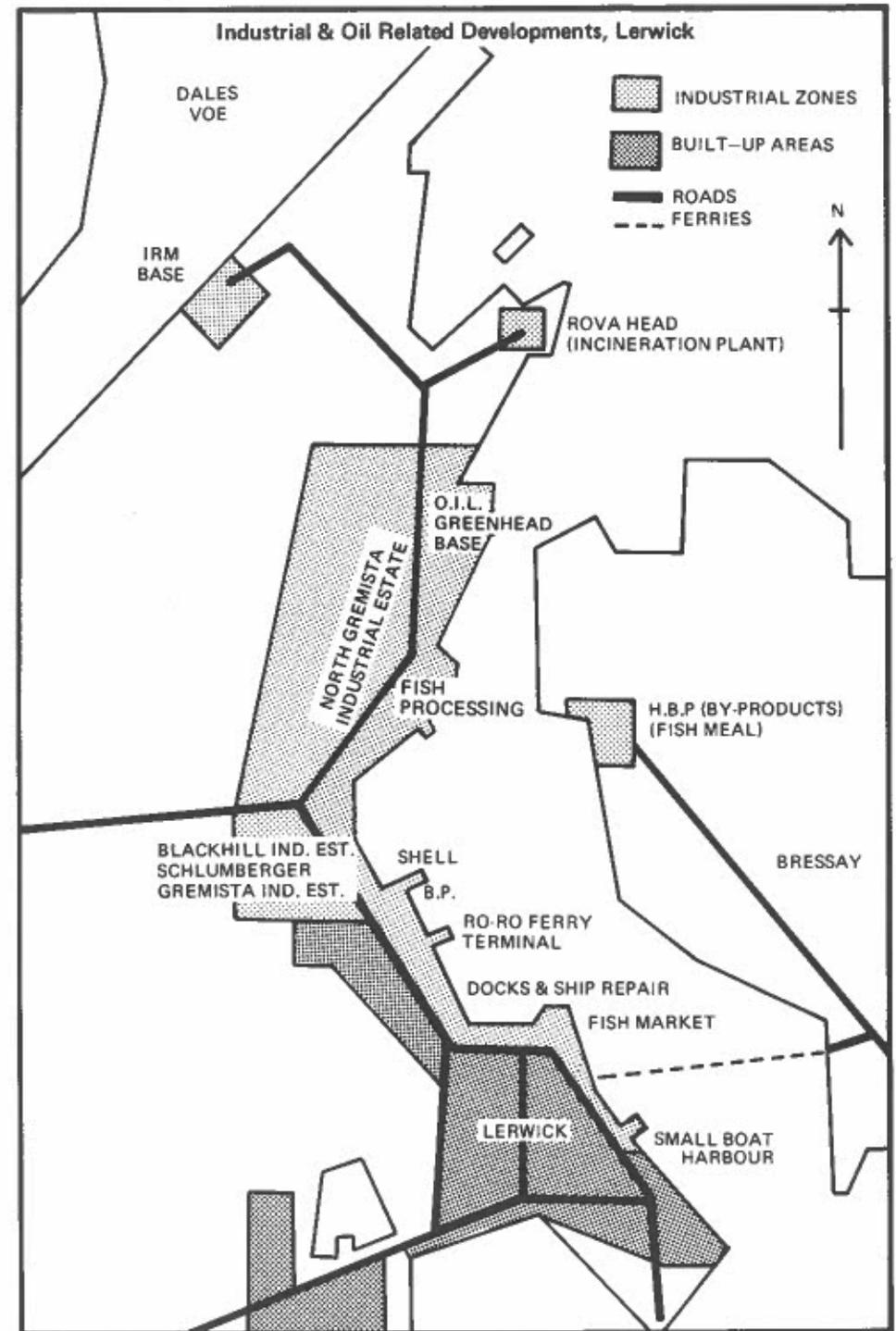
Total Operating Receipts of Shetland oil firms were around £155.5 million in 1982/83. This figure does not include the value of crude oil passing through Sullom Voe, nor the value of equipment and materials transhipped offshore. A high proportion of the revenue was spent on imports or remitted outwith the islands in the form of wages, profit, interest, etc. In 1987/88 the estimated figure for total operating receipts was around £178.7 million.

## World Wide Crude Oil Production 1988

Country	'000 tonnes	% of World Total Production
1. ( 1) USSR	624,000	20.6
2. ( 2) USA	455,000	15.0
3. ( 3) Saudi Arabia	251,000	8.3
4. ( 4) Mexico	143,000	4.7
5. ( 5) China	135,000	4.5
6. ( 6) Iraq	128,000	4.2
7. UK	115,000	3.8*
8. ( 7) Iran	113,000	3.7
9. ( 8) Venezuela	93,000	3.1
10. ( 9) Canada	93,000	3.1
11. (10) Kuwait	73,000	2.4
12. (11) Nigeria	70,000	2.3
(12) UK excluding Shetland	65,027	2.1*
13. (13) Indonesia	62,000	2.0
14. (14) Norway	56,000	1.8
15. (15) Abu Dhabi	55,600	1.8
(16) Shetland	49,973	1.7
16. (17) Libya	48,500	1.6
17. (18) Egypt	44,500	1.5

Source: Petroleum Economist.

\* Shetland Production Figures are included in the UK figures. The placing in parentheses (16) (above) and (6) (below) shows Shetland's "World League Position" if separate figures are used for Shetland and the UK excluding Shetland.



## World Wide Offshore Daily Average Crude Oil Production 1987

Country	'000 barrels per day	% of World Total
1. UK	2,314.70	15.7*
2. ( 1) Mexico	1,671.37	11.3
3. ( 2) Saudi Arabia	1,510.27	10.2
( 3) UK excluding Shetland	1,298.09	8.8*
4. ( 4) USA	1,212.25	8.2
5. ( 5) Venezuela	1,061.62	7.2
( 6) Shetland	1,016.61	6.9*
6. ( 7) Norway	846.94	5.7
7. ( 8) Egypt	602.14	4.1
8. ( 9) India	583.97	4.0
9. (10) Iran	515.51	3.5
10. (11) Nigeria	456.15	3.1
11. (12) Indonesia	451.54	3.1
12. (13) Australia	434.57	2.9
13. (14) Brazil	396.00	2.7
14. (15) Dubai	326.00	2.2

Source: 'Offshore', PennWell Books, Richmond, Surrey.

\* See notes to previous table

## Industrial Sites

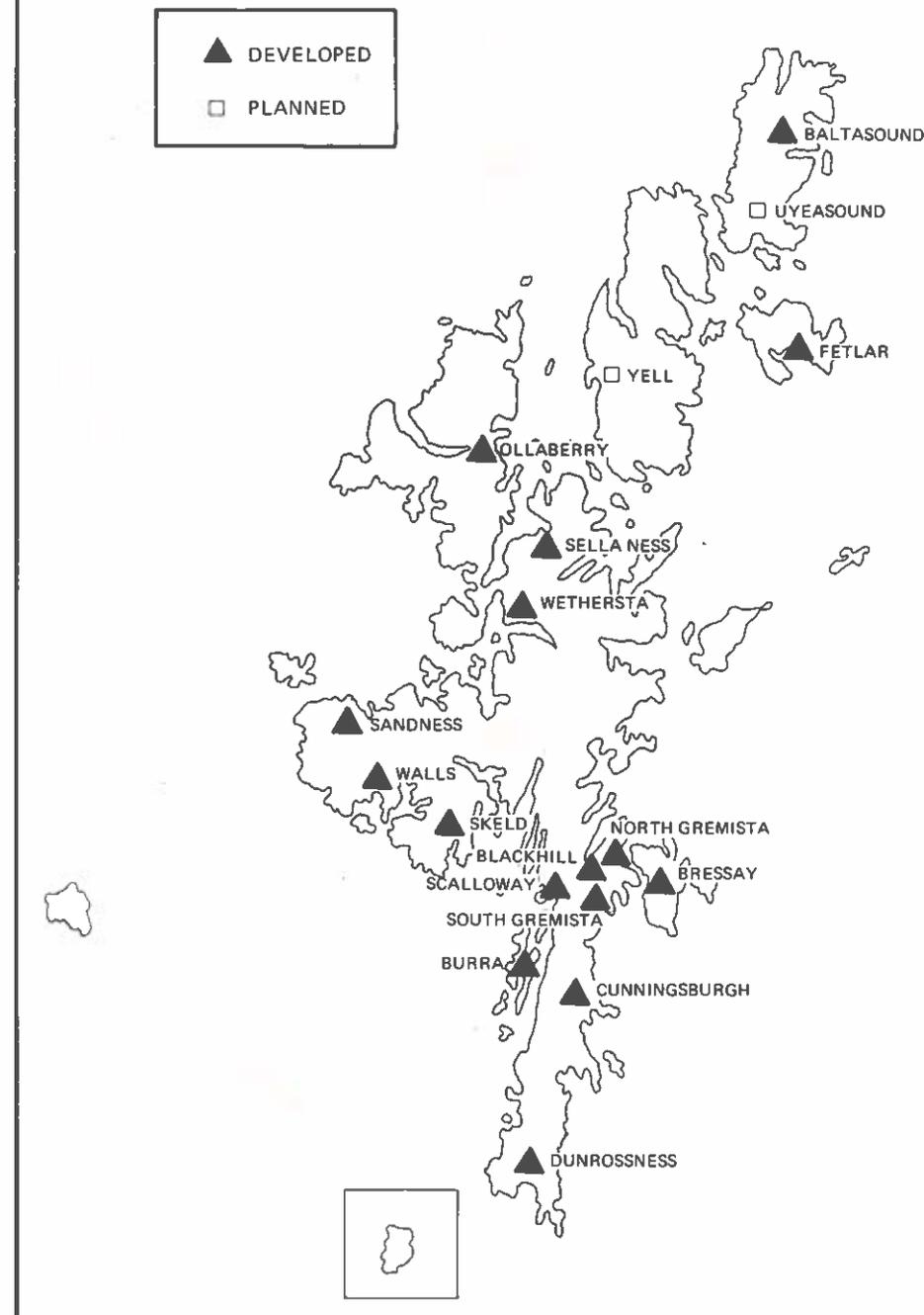
Sixteen serviced sites and estates have been developed, and two more are planned.

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

SIC Shetland Islands Council  
LHT Lerwick Harbour Trust

BP BP Petroleum Development Ltd.  
HIDB Highlands and Islands Development Board

## Industrial Sites





## Knitwear

### Size and Production

The knitwear industry in Shetland consists of approximately 50 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 over 450,000 garments are produced each year, worth about £6.4 million at producers' prices during 1985/86. A study of the industry's output is currently being undertaken. 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, striped and fashion patterns.

### Employment

	Employees			Self Employed			Home Knitters
	Full Time	Part Time	Total	Full Time	Part Time	Total	
1971	234	111	345	—	—	—	2,268
1977	155	71	226	—	—	—	2,098
1981	—	—	131	—	—	—	1,200
1983	109	48	157	30	43	73	1,800
1988	78	39	117	42	35	77	1,400

### Markets

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

The major marketing problem is the plagiarism of the word 'Shetland' by knitwear manufacturers all over the world. Many millions more garments labelled 'Shetland' are turned out than are produced in the islands or could be accounted for by the production of wool from native sheep. Wool production for 1988 was estimated at about 310,000 kilos.

A number of Shetland knitwear manufacturers banded together in 1983 to form the Shetland Knitwear Trades Association in order to promote 'Real' Shetland knitwear. A new certification trade mark was applied for (The Shetland Lady) and this forms the cornerstone of the Association's marketing campaign. In addition the Association has established a mail order company to help promote high quality Shetland knitwear.

## Crafts

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

While the total number of people employed in craft work is not high, many of the businesses are located outside Lerwick and provide a valuable source of income in the rural areas. The value of output (sales) in 1986 was estimated to be c.£600,000. Many of the craft businesses sell through craft and trade fairs on the mainland as well as to visitors locally.

## Tourism

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

Type of Accommodation	1981	1983	1985	1986	1987	1988
Lerwick Hotels	231	244	366	372	272	286
Country Hotels	342	347	346	310	334	352
Lerwick Guest Houses*	—	—	41	29	32	76
Country Guest Houses*	—	—	86	124	102	169
Lerwick Bed & Breakfast	103	78	75	71	68	30
Country Bed & Breakfast	203	131	119	107	136	96
Self Catering, Cottages, etc.	271	250	342	285	305	363
Caravans	104	46	30	39	41	27
Hostels	81	76	140	146	146	141
Camp Sites**	—	—	89	117	89	73
<b>Total</b>	<b>1,335</b>	<b>1,174</b>	<b>1,634</b>	<b>1,600</b>	<b>1,525</b>	<b>1,613</b>

\*New Category, introduced 1984. \*\*New Category, introduced 1985.

### Employment

	1978	1981	1983	1986	1988
Hotels & Guest Houses	161	233	292	280	332
Bed & Breakfast Accommodation*	—	—	40	40	40
Self-catering, Cottages, etc*	—	—	63	64	64
<b>Total</b>	<b>—</b>	<b>—</b>	<b>395</b>	<b>384</b>	<b>436</b>

\*Mostly part-time employment

### Tourist Enquiries and Bookings\*

	1981	1986	1987	1988
Postal Enquiries	1,696	5,201	5,109	5,971
Telephone Enquiries	—	966	1,086	1,845
Advance Bookings	101	220	265	336
Immediate Bookings	412	997	1,101	1,474

\*Postal and telephone enquiries are those made to Shetland Tourist Organisation (STO). Advance bookings are those made through the STO Tourist Office; immediate bookings are those made by tourists visiting the Tourist Office.

### Membership of Shetland Tourist Organisation

	1979	1981	1983	1985	1987	1988
Hotels	15	16	18	19	18	18
Guest House B&B	66	64	46	68	63	78
Self-catering	37	36	27	46	54	55
Hostels	4	4	2	4	5	5
Business & Trade	118	120	101	106	96	136
Camp Sites	—	—	—	4	3	4
<b>Total</b>	<b>240</b>	<b>240</b>	<b>194</b>	<b>247</b>	<b>239</b>	<b>296</b>

## Origin of Visitors (percentage)

	%		%
Scotland	28	Norway/Sweden	5
England:		Denmark/Faroes	2
North & North West	8	Other Europe	8
Yorks. & Humberside	6	USA	3
Midlands	6	Canada	2
East Anglia	2	Australia/New Zealand	3
South West	6	Other Non-European	3
South East	17		
(Total for England =	45)		
Wales	1		
Northern Ireland	-		

Source: Visitor Survey 1984.

## Number of Visitors on Package Holidays

Duration	1982	1983	1984	1985	1986	1987	1988
Seven Days	276	881	1,846	1,067	2,017	1,994	1,175
Midweek	1,085	858	1,170	952	1,866	1,393	935

Source: Shetland Tourist Organisation.

## P&O Ferries Mini-Cruise Passengers

1981	1983	1984	1985	1986	1987	1988
1,982	2,108	1,746	1,897	1,768	1,691	1,804

## Total Visitor Expenditure in Shetland (£ million)

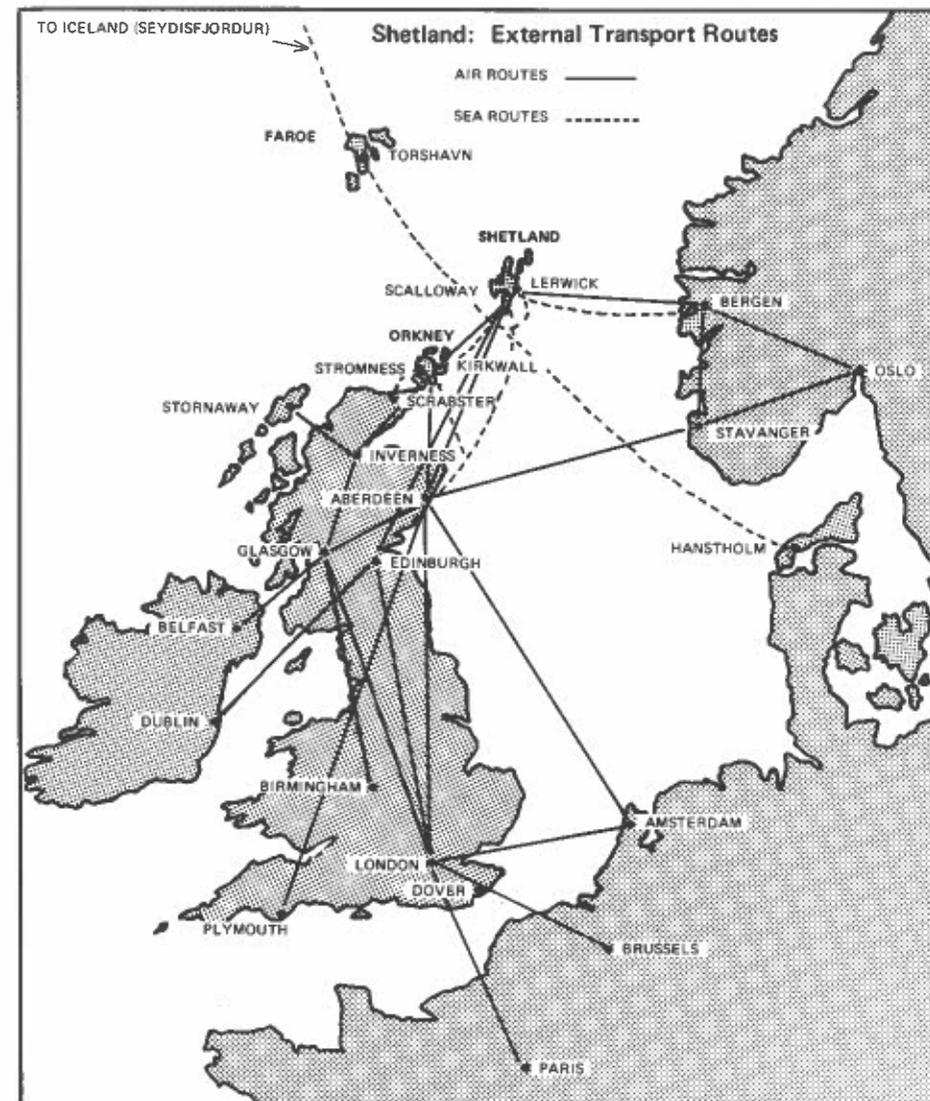
1982	1983	1984	1985	1986	1987	1988
3.6*	4.1"	4.8"	5.9"	6.9"	7.5"	7.75"

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

Source: \*McNicoll, I. H., Survey of the Shetland Economy, 1982-1983.  
"Shetland Islands Council Estimate.

## Cruise Liner Passengers

1981	1983	1984	1985	1986	1987	1988
3,564	3,820	5,399	5,790	6,279	4,930	4,636



# Transport

## Internal Air and Sea Transport

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

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

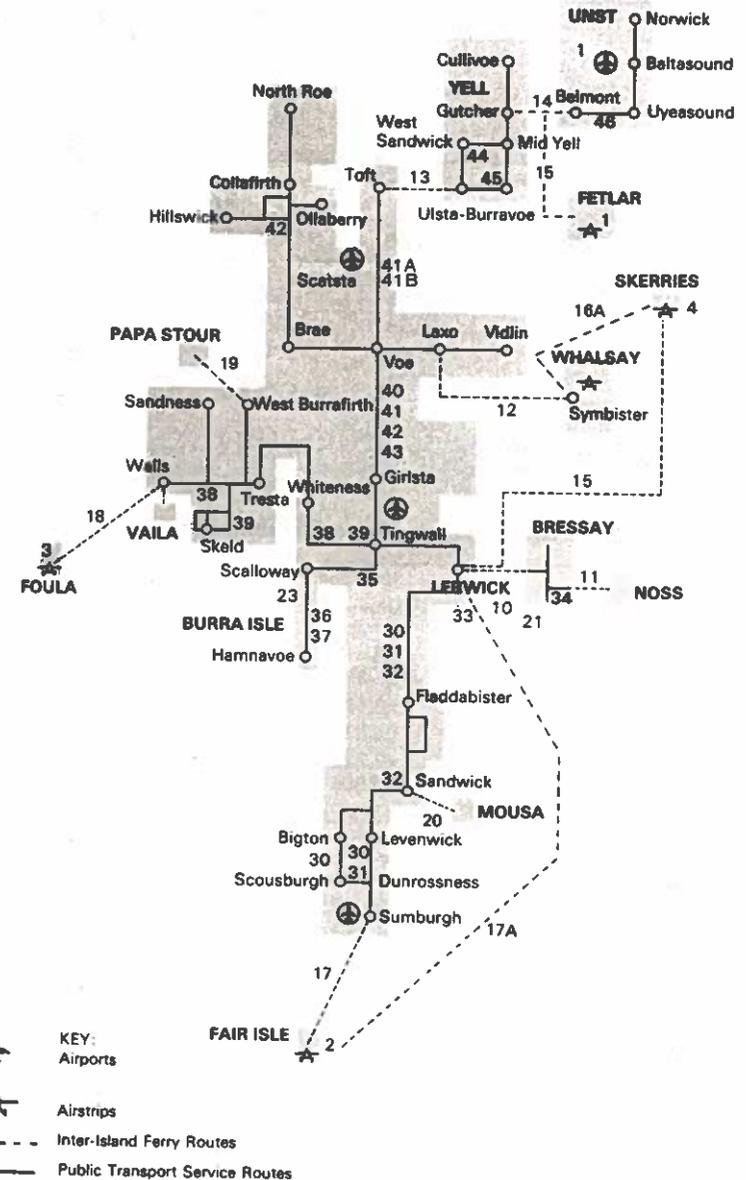
## Bus Services

Route	Operator
Lerwick to: Sumburgh, Sumburgh Airport Sandwick Brae/Hillswick/North Roe/Mossbank Weisdale-Skeld; Weisdale-Walls Walls Voe-Toft (for Yell, Unst & Fetlar) Laxo (for Whalsay) Scalloway, Burra	A. Eunson; J. Leask & Son. Shalder Coaches. Shalder Coaches J. Watt & Son; Shalder Coaches J. Leask & Son. J. Leask & Son. Shalder Coaches.
Lerwick Town Service:	J. Leask & Son
Yell:	R. Jamieson A. Williamson
Unst:	P. Y. Mills

## Present Schedule of County Highways

Principal Roads .....	224.90 km. (139.75 miles)
Non-principal roads .....	154.70 km. ( 96.13 miles)
Unclassified roads .....	512.70 km. (318.59 miles)
Total .....	892.30 km. (554.46 miles)

## Shetland: Internal Transport



The numbers beside the routes refer to the route markings. 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	1984	1985	1986	1987	1988
Yell	59,160	82,557	96,364	83,694	84,902
Unst/Fetlar	31,952	51,331	40,605	47,774	98,806
Bressay	121,607	100,890	96,849	94,389	56,863
Whalsay	41,578	43,021	45,888	51,642	43,885

### Vehicles

Ferry Route	1984	1985	1986	1987	1988
Yell	58,606	59,680	65,264	65,925	73,472
Unst/Fetlar	30,898	33,387	28,202	38,627	36,998
Bressay	32,647	29,954	31,958	33,462	36,558
Whalsay	27,382	30,740	31,660	34,011	37,885

## External Ferries

### P&O Ferries Services: Passengers and Accompanied Cars

	Passenger Journeys	Accompanied Car Journeys
1982	53,546	8,328
1983	57,365	8,542
1984	59,520	8,983
1985	64,839	9,504
1986	63,323	9,788
1987*	70,805	10,211
<b>1988*</b>		
January	2,291	370
February	1,324	233
March	3,045	530
April	6,287	705
May	3,909	555
June	9,769	1,227
July	12,871	1,999
August	13,583	1,892
September	7,703	989
October	5,440	980
November	2,610	496
December	3,055	523
<b>Total</b>	<b>71,887</b>	<b>10,499</b>

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

\*Includes Stromness/Lerwick passengers from April 1987.

## Smyril Line Service: Passengers and Vehicles\*

	1984	1985	1986	1987	1988
Passengers	4,962	5,772	5,662	6,537	7,497
Vehicles	544	531	750	774	1,002

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

## Freight on P&O Ferries Services\*

	1983	1984	1985	1987	1988
Commercial Vehicles	18,157	16,624	18,814	11,203	10,773
Commercial Trailers	34,627	34,232	29,573	34,198	36,446
Unaccompanied Cars	5,218	4,575	4,687	5,123	6,044

\*Running metres

## Shipping in Lerwick Harbour

	1971	1981	1983	1985	1987	1988
General	316	418	451	639	653	667
HM Ships	41	62	60	48	18	13
Oil	51	140	106	135	95	103
Oil Rig Tenders	79	1,556	1,300	1,277	731	771
Other Vessels	448	480	582	710	403	712
British Fishing	1,440	677	772	1,302	1,536	1,474
Foreign Fishing	1,580	246	329	195	234	206
Yachts	n/a	112	181	242	253	321
<b>Total</b>	<b>3,955</b>	<b>3,579</b>	<b>3,550</b>	<b>4,306</b>	<b>3,923</b>	<b>4,267</b>

## Foreign Fishing Vessels

	1971	1981	1983	1985	1987	1988
Bulgaria	—	—	—	6	3	—
Denmark	374	117	115	65	47	52
Faroe	242	14	21	8	10	2
France	16	13	22	16	8	8
Germany (West)	3	1	—	8	12	14
Germany (East)	—	—	18	11	17	6
Greenland	—	—	—	—	—	1
Iceland	215	2	—	3	1	14
Ireland	—	—	—	—	4	4
Netherlands	12	—	8	8	12	6
Norway	551	96	143	66	92	81
Poland	1	2	—	—	—	—
Portugal	—	—	—	1	2	1
Sweden	100	1	1	—	4	1
USSR	60	—	1	3	22	16
<b>Total</b>	<b>1,554</b>	<b>246</b>	<b>329</b>	<b>195</b>	<b>234</b>	<b>206</b>

## Total Tonnage Handled in Lerwick Harbour

(Weight of containers excluded)

	1971	1981	1983	1985	1987	1988
General Cargo Imports	45,760	200,077	271,197	235,041	185,210	210,925
General Cargo Exports	48,849	57,471	47,959	49,578	44,624	65,972
Oil Related Imports	342	288,999	220,971	300,314	214,092	237,844
Oil Related Exports	—	421,807	458,575	486,059	272,815	303,382
<b>Total</b>	<b>94,951</b>	<b>968,354</b>	<b>998,702</b>	<b>1,070,992</b>	<b>716,741</b>	<b>818,123</b>

## Lerwick Harbour Trust Revenue

1971	1981	1983	1985	1987	1988
£49,000	£2,100,000	£2,600,000	£3,062,000	£3,481,783	£3,606,231

## Shipping in Scalloway Harbour

	1985	1986	1987	1988
British fishing	201	163	217	283
Foreign fishing	26	17	27	25
Frozen fish cargo vessels	22	20	33	14
Oil-related/stand-by	20	5	2	10
H.M. ships/Customs	0	0	6	3
General Cargo	53	75	69	52
Other vessels	2	0	6	12
Passenger ships/ferries	35	11	7	15
Fishery research	3	0	1	3
Yachts	14	9	17	25
Sail training ships	1	0	1	0
<b>Total</b>	<b>381</b>	<b>305</b>	<b>392</b>	<b>442</b>

## Total Tonnage Handled in Scalloway Harbour: Imports

(Weight of containers excluded)

	1983	1984	1985	1986	1987	1988
Fish	125	92	449	267	1,168	23
Salmon Feed	18	218	552	907	735	209
Miscellaneous Cargo	440	430	1,109	1,384	1,360	4,582
Bulk Tar	2,031	2,129	1,046	2,479	2,297	3,060
<b>Total</b>	<b>2,614</b>	<b>2,869</b>	<b>3,156</b>	<b>5,037</b>	<b>5,560</b>	<b>7,874</b>

## Total Tonnage Handled in Scalloway Harbour: Exports

(weight of containers excluded)

	1983	1984	1985	1986	1987	1988
Frozen Fish	3,857	1,840	2,903	2,663	4,009	1,163
Offal	8,882	3,441	6,037	7,563	953	911
Salmon	—	23	40	221	40	83
Sandeel/minkfood	—	4,170	5,084	5,492	8,488	684
Miscellaneous Cargo	410	94	262	181	150	210
<b>Total</b>	<b>13,149</b>	<b>9,568</b>	<b>14,326</b>	<b>16,120</b>	<b>13,640</b>	<b>3,051</b>

## U.K. Port Traffic 1987

Port	'000 tonnes*	% UK Total Traffic
1. Sullom Voe	50,027	11.0
2. London	48,876	10.7
3. Tees & Hartlepool	33,899	7.4
4. Milford Haven	32,669	7.2
5. Grimsby & Immingham	32,244	7.1
6. Forth	30,049	6.6
7. Southampton	27,212	6.0
8. Orkney	17,111	3.7
9. Felixstowe	13,268	2.9
10. Medway	11,628	2.5

\* Source: British Ports Association.

## Air Services

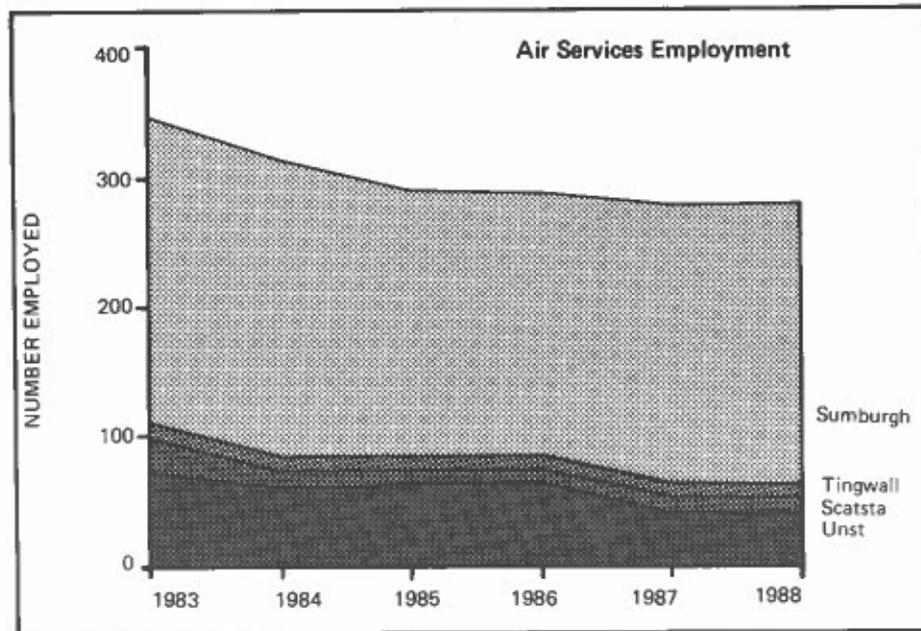
### Total aircraft traffic at Sumburgh, Scatsta, Unst and Tingwall\*

	1983	1984	1985	1986	1987	1988
Aircraft Movements	28,266	31,666	29,664	29,457	33,366	36,588
Passengers	378,408	384,465	369,434	367,053	417,470	475,608

\*Includes all passengers on scheduled services

### Employment

	1981	1982	1983	1984	1985	1986	1987	1988
Sumburgh	650	501	238	232	209	206	217	217
Tingwall	12	10	10	10	10	10	12	10
Scatsta	42	41	28	12	9	10	10	13
Unst	68	69	72	61	66	66	44	41
<b>Total</b>	<b>772</b>	<b>621</b>	<b>348</b>	<b>315</b>	<b>294</b>	<b>292</b>	<b>283</b>	<b>281</b>



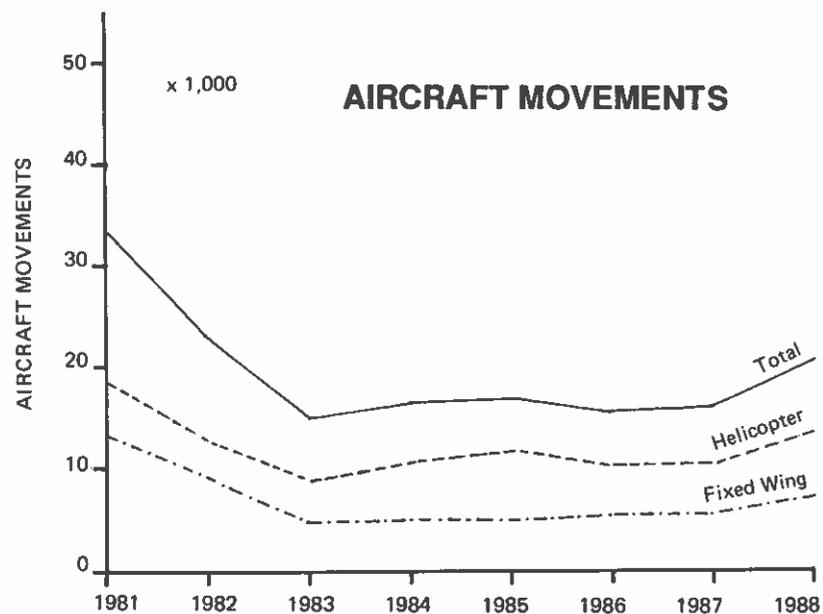
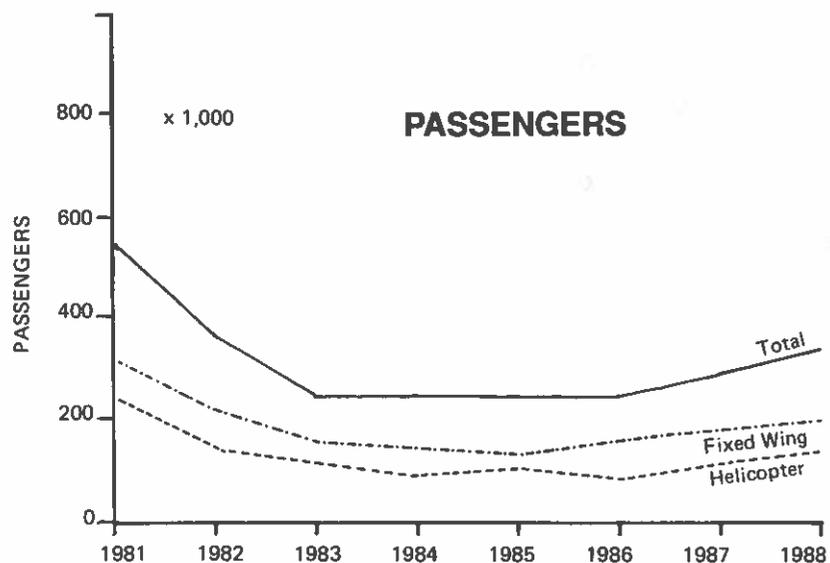
## Sumburgh Airport Traffic: Passengers and Freight

	Total Passengers	Fixed Wing Scheduled Passengers	Charter Passengers & Others	Helicopter Passengers	Freight (kgs)
1981	547,761	76,853	232,389	232,519	3,487,834
1982	367,307	70,543	141,871	154,893	2,176,402
1983	247,651	61,326	84,162	102,190	1,481,389
1984	235,693	58,550	80,052	97,091	1,709,011
1985	239,159	60,724	75,401	103,034	1,599,378
1986	239,744	63,200	77,805	98,739	1,409,284
1987	288,793	63,959	102,205	122,629	1,441,408
<b>1988</b>					
January	21,208	4,103	7,591	9,514	113,960
February	22,124	4,466	7,708	9,950	128,882
March	26,070	5,276	9,056	11,738	131,876
April	21,875	5,166	7,604	9,105	114,304
May	25,034	6,679	8,162	10,193	133,786
June	28,051	6,423	9,994	11,634	124,342
July	30,751	7,344	10,870	12,537	111,781
August	35,022	7,495	12,810	14,717	118,150
September	33,801	6,272	12,582	14,947	118,734
October	30,981	5,908	11,461	13,612	130,594
November	32,201	5,026	12,388	14,787	143,413
December	29,776	4,524	11,430	13,822	122,705
<b>1988 Total</b>	<b>336,894</b>	<b>68,682</b>	<b>121,656</b>	<b>146,556</b>	<b>1,492,527</b>

## Sumburgh Airport: Aircraft Movements

	Total	Fixed Wing	Helicopter
1981	34,188	14,361	19,827
1982	23,412	10,070	13,342
1983	15,255	5,948	9,277
1984	16,805	5,806	10,989
1985	17,004	5,480	11,524
1986	15,968	5,621	10,347
1987	17,518	5,722	11,796
<b>1988</b>			
January	1,371	428	943
February	1,437	450	987
March	1,636	506	1,130
April	1,279	412	867
May	1,477	464	1,013
June	1,749	590	1,159
July	1,813	636	1,177
August	1,922	656	1,266
September	2,022	663	1,359
October	1,929	629	1,300
November	2,208	634	1,574
December	1,836	567	1,269
<b>1988 Total</b>	<b>20,679</b>	<b>6,635</b>	<b>14,044</b>

### Sumburgh Airport



### Scatsta Airport Traffic

	1983	1984	1985	1986	1987	1988
Passengers	11,823	14,313	14,938	13,157	13,216	27,425
Aircraft Movements	2,556	2,593	2,548	2,232	1,982	2,574

### Tingwall Airport Traffic

	1983	1984	1985	1986	1987	1988
Passengers	14,575	14,925	14,364	13,368	13,093	12,956
Aircraft Movements	3,391	3,322	3,344	3,333	3,337	3,301

### Unst Airport Traffic: Passengers

	1983	1984	1985	1986	1987	1988
Fixed Wing	52,147	54,110	50,104	44,856	44,387	40,499
Helicopter	52,212	61,799	50,869	52,282	57,981	57,834
<b>Total</b>	<b>104,359</b>	<b>115,909</b>	<b>100,973</b>	<b>97,138</b>	<b>102,368</b>	<b>98,333</b>

### Aircraft Movements

	1983	1984	1985	1986	1987	1988
Fixed Wing	2,400	2,338	2,158	2,052	2,566	1,646
Helicopter	4,764	5,426	4,610	6,540	7,963	8,388
<b>Total</b>	<b>7,164</b>	<b>7,764</b>	<b>6,768</b>	<b>8,592</b>	<b>10,529</b>	<b>10,034</b>

### Small Airfield Traffic: Passengers

Airfield	1983	1984	1985	1986	1987	1988
Fair Isle	1,118	1,704	1,596	1,822	1,645	1,640
Fetlar	109	50	52	60*	58*	**
Foula	1,052	1,228	1,276	1,100*	1,158*	1,150*
Skerries	520	603	554	624	706	288
Whalsay*	80	90	100	100	140	150

### Aircraft Movements

Airfield	1983	1984	1985	1986	1987	1988
Fair Isle	408	478	426	480	458	464
Fetlar	53	44	38	40*	40*	**
Foula	290	364	344	304	320	352
Skerries	300	264	154	302	294	288
Whalsay	70	76	72	70	98	104

\*Estimate \*\* Scheduled flights suspended.

## Nature Conservancy

### Statutory Conservation Sites in Shetland

#### 3 National Nature Reserves (NNR)

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

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

6 Freshwater	390.1 ha.	1 General Island Interest	209.8 ha.
6 Seabird Colonies	3,264.8 ha.	1 Peatland	165.2 ha.
4 Marsh or Meadow	208.3 ha.	1 Limestone Flora	81.8 ha.
4 Tree Sites or Plantations	62.2 ha.	4 Serpentine Heath	3,043.7 ha.
1 Upland	4,906.7 ha.	2 Tidal Flats	37.2 ha.
2 Beach/Sand Dune	201.3 ha.	14 Geological	1,063.2 ha.
3 Moorland Breeding Bird	996.3 ha.	3 Geomorphological	95.2 ha.

Total area covered by statutory conservation sites is 14,725.8 hectares (14,615.3 ha. in 1988), which represents 10.4 (10.3) per cent of the total area of Shetland.

Approximate coverage of each island or island group (1988 figure in brackets where changed):

Papa Stour	64.2%
Foula	100%
Fair Isle	72%
Fetlar, 4 sites	71.9%
Bressay (Noss), 1 site	11.2%
Unst, 9 (8) sites	20.1% (19.7%)
Mainland and associated uninhabited islands, 27 (23) sites	7.0% (6.7%)
Yell, 3 sites	0.36% (0.3%)

(Figures as at February 1989)

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

Whimbrel (Peerie Whaup)	95%
Great Skua (Bonxie)	76%
Red-throated Diver (Raingoose)	50-70%
Red-necked Phalarope	70%
Arctic Skua (Aalin)	61%
Arctic Tern (Tirrick)	40%
Fulmar (Maalie)	35%
Black Guillemot (Tystie)	30%
Shag (Scarf)	27%
Gannet (Solan)	16%*
Grey Seal	5%
Common Seal	20%
Otter	Not known but undoubtedly high

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

\*Percentage of Scottish population.

## Social Provision & Services

### Cost of Living

Indices	June 1984	June 1986	June 1987	June 1988
Shetland: Lerwick	109.4	107.9	107.7	107.5
*Remote	118.5	114.5	112.2	114.0
*Village A	115.4	113.4	114.2	111.5
*Village B	117.1	116.2	113.7	115.8
*Village C	116.9	114.5	112.7	114.5
Rural Average	109.0	107.3	106.4	106.6
Aberdeen	100.0	100.0	100.0	100.0
Edinburgh	102.3	100.8	100.9	100.5

The indices are calculated from information collected on the price of food, housing, transport services and other goods in various locations in rural Scotland using Aberdeen as the basis for comparison. Further information on the methods and results of this Rural Scotland Price Survey can be obtained from the survey co-ordinator, G.A. Mackay, Balloan House, Inverness, IV1 2AB. Telephone 0463 223200.

\*For reasons of confidentiality single shop communities are not identified.

### Housing

Housing Stock (Occupied Units: April each year)

Type	1981	1983	1985	1987	1988	1989
Shetland Islands Council	2,655	2,610	2,630	2,648	2,621	2,566
Private and Others	5,507	5,840	5,818	6,018	6,299	N/A
Scottish Special Housing Association	156	154	152	145	136	131
<b>Total</b>	<b>8,328</b>	<b>8,604</b>	<b>8,600</b>	<b>8,811</b>	<b>9,056</b>	<b>N/A</b>

### Vehicle Ownership

Vehicles licensed in Shetland on 31st December

Type	1971	1981	1985*	1987	1988
Private Cars and Vans	3,600	7,048	7,584	7,876	8,326
Goods Vehicles					
(inc. Agricultural)	440	801	372	366	359
Buses and Coaches	138	164	183	188	174
Motor Cycles	350	545	391	356	367
Miscellaneous	652	831	964	983	977
<b>Total</b>	<b>5,180</b>	<b>9,389</b>	<b>9,494</b>	<b>9,769</b>	<b>10,203</b>

1971 figures: Local Taxation Office.

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

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

## Education

### No. of Teachers in Shetland

	1971	1976	1981	1986	1989
Primary Teachers.....	91	117	164	150	143
Secondary Teachers.....	88	124	142	162	171
Further Education Teachers.....	2	4	9	13	18
<b>Total.....</b>	<b>181</b>	<b>245</b>	<b>315</b>	<b>325</b>	<b>331</b>

### Primary Education

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

	1971	1976	1981	1986	1989
Baltasound Junior High.....	103	100	108	71	72
Mid Yell Junior High.....	56	76	65	53	55
Brae Junior High.....	44	68	171	170	189
Symbister House Junior High.....	125	149	146	121	123
Aith Junior High.....	67	63	52	77	66
Scalloway Junior High.....	120	136	150	138	124
Sandwick Junior High.....	44	81	96	65	83
Haroldswick Primary.....	38	33	21	30	24
Uyeasound Primary.....	21	27	16	8	8
Cullivoe Primary.....	21	23	24	24	19
Burrae Primary.....	38	31	36	29	29
Fetlar Primary.....	14	6	15	9	9
North Roe Primary.....	17	16	23	17	21
Ollaberry Primary.....	18	12	16	29	32
Urafirth Primary.....	26	29	37	33	34
Mossbank Primary.....	0	0	136	117	91
Firth Primary.....	16	0	0	0	0
Olnafirth Primary.....	19	30	46	44	43
Lunnasting Primary.....	20	22	38	26	23
South Nesting Primary.....	16	14	26	21	19
Skerries Primary.....	16	12	11	8	6
Sandness Primary.....	6	7	15	21	16
Foula Primary.....	4	4	7	7	4
Papa Stour Primary.....	0	0	5	3	4
Happyhansel Primary.....	43	40	48	55	56
Gruting Primary.....	12	11	9	0	0
Skeld Primary.....	13	26	36	19	10
Whiteness Primary.....	31	56	87	68	80
Burra Primary.....	16	0	0	0	0
Hamnavoe Primary.....	64	65	107	110	104
Gott Primary.....	41	43	52	50	52
Cunningburgh Primary.....	56	74	77	59	57
Dunrossness Primary.....	123	152	209	149	158
Fair Isle Primary.....	3	9	11	8	12
Quarff Primary.....	17	19	23	21	20
Bressay Primary.....	24	38	20	21	31
Belis Brae Primary.....	722	790	501	416	349
Sound Primary.....	0	0	292	400	369
<b>Total.....</b>	<b>2,014</b>	<b>2,262</b>	<b>2,730</b>	<b>2,497</b>	<b>2,392</b>

## Secondary Education

### Secondary School Roll at January each year

	1971	1976	1981	1986	1989
Anderson High.....	571	770	915	933	877
Baltasound Junior High.....	36	58	75	47	39
Mid Yell Junior High.....	43	58	48	56	45
Brae Junior High.....	47	68	164	263	209
Symbister House Junior High.....	36	54	62	49	40
Aith Junior High.....	35	65	61	61	65
Scalloway Junior High.....	72	129	132	144	172
Sandwick Junior High.....	55	87	121	130	120
Skerries School.....	2	6	5	7	4
<b>Total.....</b>	<b>897</b>	<b>1,295</b>	<b>1,583</b>	<b>1,690</b>	<b>1,571</b>

### Further Education

#### Students Enrolled on Further Education Courses

	1976-77	1980-81	1984-85	1986-87	1988-89
Full Time.....	—	—	25	55	99
Day Release.....	22	70	52	62	47
Short Full Time.....	34	50	57	58	35
Evening Class.....	815	1,109	973	1,387	1,228
YTS.....	—	—	—	43	69

## Social Work

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

	1984-85	1986-87	1987-88	1988-89
No. of Eventide Home Beds*.....	60	70	70	70
No. of beds in Hostel for Mentally Handicapped.....	6	6	12\$	14
No. of beds in Children's Home.....	10	10	10	10
No. of Sheltered Housing Schemes.....	36	36	36	36
No. of Sheltered Houses.....	257	257	257	257
No. of Laundries.....	4	4	5	5
No. of Meals on Wheels Schemes.....	25	25	25	25
No. of Luncheon Clubs.....	3	3	3	3
No. of Meals Delivered.....	45,107	52,000	52,000	52,000
No. of Home Helps.....	320	308	300	300
No. of Home Help Clients.....	584	581	580	580
No. of Homes Connected to Community Alarm System.....	—	—	270	400

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

\$ New Hostel opened in September 1987.

## Health Board

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

### Expenditure

Revenue	1985-86 £	1986-87 £	1987-88 £
Board Administration	450,560	472,511	517,410
Hospital Running Costs			
(a) Pay	2,246,441	2,475,519	2,683,922
(b) Supplies & Services	922,247	892,158	916,946
(c) Other Expenditure (labs etc.)	123,490	133,791	264,062
	3,292,178	3,501,468	3,864,930
Less direct credits	77,699	85,206	81,832
	3,214,479	3,416,262	3,783,098
Community Services (School & pre-school care, domiciliary services, health education etc.)	963,806	1,048,182	1,149,746
Associated services (travelling expenses, local health council)	23,681	16,136	45,970
Primary Care			
(a) Medical Services	772,101	980,019	828,779
(b) Pharmaceutical Services	660,694	824,380	774,346
(c) Dental Services	128,034	148,551	161,887
(d) Ophthalmic Services	58,224	69,084	94,205
	1,619,053	2,022,034	1,861,217
<b>Total Revenue Expenditure</b>	<b>6,837,363</b>	<b>7,432,631</b>	<b>7,986,623</b>

## Hospitals

Name	Type	No. of Beds	Average % Occupancy			
			1985	1986	1987	1988
New Gilbert Bain	Acute & Maternity	73	64	64	67	67
Montfield *	Long Stay	87	96	98	98	96

\*In 1983 the extensions to the Montfield Hospital were opened, and patients were transferred there from the Old Gilbert Bain and Brevik Hospitals (Long Stay), which were then closed.

### Staff

	1984	1985	1986	1987	1988
Number of General Practitioners	19	19	19	19	19
Number of Nursing Staff:					
Full Time	162	164	163	157	299
Part Time	86	90	109	88	87
Number of Hospital Doctors	6	6	6	6	6

### New Gilbert Bain Hospital

	1984	1985	1986	1987	1988
Number of Casualties	2,728	2,785	2,793	5,517	6,757
Number of Out-Patients	24,800	24,281	24,221	21,163	22,945
Number of In-Patients	1,907	2,106	2,302	2,630	2,801

## Lifeboat

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

	Lerwick Station	Aith Station
Name	<i>Soldian</i>	<i>Snolda</i>
Type	Arun Class	Arun Class
Capacity for Survivors	200	200
No. of Crew	6	6

### Number of launchings and persons rescued by Lerwick and Aith RNLi:

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Launchings	6	14	10	17	12	21	14	12	9	21	12
Persons Rescued	8	0	14	6	14	13	6	4	2	7	6

## Crime

The Shetland Sub-Division of the Northern Constabulary is run by the Northern Joint Police Committee, administered by the Highland Regional Council. The 1989/90 Requisition from the Shetland Islands Council was £853,649.46.

### Number of Police Stations: 1989

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

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

Shetland Sub-Divisional Headquarters: 1 (Lerwick).

### Police Manpower

	1971	1976	1981	1984	1985	1986	1987	1988	1989
	21	28	45	36	36	36	35	34	35

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

	1983	1984	1985
Group 1: Non-sexual crimes against the person	18	24	19
Group 2: Crimes involving indecency	1	9	15
Group 3: Crimes involving dishonesty	306	376	346
Group 4: Fire-raising, malicious & reckless conduct	171	147	177
Group 5: Other crimes	44	77	75
Group 6: Miscellaneous	311	403	323
Group 7: Offences relating to motor vehicles	743	965	773
<b>Total</b>	<b>1,594</b>	<b>2,001</b>	<b>1,728</b>

	1986	1987	1988
Group 1: Non-sexual crimes against the person	24	17	20
Group 2: Crimes involving indecency	2	4	10
Group 3: Crimes involving dishonesty	345	319	257
Group 4: Fire-raising, malicious & reckless conduct	133	173	190
Group 5: Other crimes	71	45	67
Group 6: Miscellaneous	286	342	371
Group 7: Offences relating to motor vehicles	926	866	987
<b>Total</b>	<b>1,787</b>	<b>1,766</b>	<b>1,902</b>

In 1988, the Northern Constabulary Shetland Sub-Division achieved a crime detection of 89.5%, compared with 90.4% in 1987.

## Fire Service

The Fire Service in Shetland is run by the Highlands and Islands Fire Board, administered by Highland Regional Council. The 1989-1990 requisition from Shetland Islands Council was £424,565.

### Number of Fire Units in Shetland, 1988

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 and Whalsay	12 per unit	1 Light Fire Appliance for each unit
Bixter, Bressay, Fair Isle, Fetlar, Hamnavoe, Skerries, Hillswick, Foula & Papa Stour	12 per unit	1 Portable Pump, Hose and Ancillary Equipment
<b>Total</b>	<b>242</b>	

### Number of fires attended

	1971	1981	1983	1985	1987	1988
Chimney Fires	16	24	23	64	62	59
Special Services (pumping out boats, properties, etc., road traffic accidents)	5	17	12	7	14	30
Property and small fires	17	54	51	48	45	60
False alarms, good intent	2	6	13	23	17	35
False alarms, malicious	1	2	3	0	3	6
<b>Total</b>	<b>41</b>	<b>103</b>	<b>102</b>	<b>142</b>	<b>141</b>	<b>190</b>

## Postal Services

### Employees, Post Office

	1977	1981	1985	1986	1987	1988
Full Time Postal Staff	66	71	73	66	65	61
Part Time Postal Staff	23	21	17	19	18	20
Sub Postmasters	56	55	54	54*	54	54
Ancillary Staff	10	11	11	13	12	7
<b>Total</b>	<b>155</b>	<b>158</b>	<b>155</b>	<b>152</b>	<b>149</b>	<b>142</b>

## No of Letters Posted Weekly

1972	1977	1981	1985	1986	1987	1988
49,866	52,602	69,400	59,230	56,000	69,271	68,623

## No. of Television Licences

	1972	1977	1981	1985	1986	1987	1988
Mono	4,574	5,399	1,430 )				
Colour	0	64	5,217 )*				
<b>Total</b>	<b>4,574</b>	<b>5,463</b>	<b>6,647</b>	<b>6,228</b>	<b>6,480</b>	<b>6,910</b>	<b>6,800</b>

\* In 1983, for statistical purposes, the Post Office ceased to differentiate between colour and mono licences.

## Electricity

### Breakdown into Categories

	1971	1981	1983	1985*	1987	1988
Domestic		Breakdown of consumers in	9,941	9,975	10,130	
Farms		current categories available	55	67	79	
Industrial		from 1985 only.	1	1	1	
Construction			4	15	6	
Other Commercial			880	899	898	
Miscellaneous			12	47	50	
<b>Total</b>	<b>7,169</b>	<b>10,211</b>	<b>10,453</b>	<b>10,693</b>	<b>11,004</b>	<b>11,164</b>

### Electricity Generation

	1971-72	1984-85	1986-87	1988-89
Units generated (kilowatt hours)	32,319,000	135,177,120	148,697,310	155,748,310
Maximum demand (megawatts)	11.69	28.50	30.50	33.10

### Distribution (all figures: distance in kilometres)

	1971	1981	1985	1987	1988
33,000 Volt overhead lines	24.7	98.0	128.2	114.8	128.3
33,000 Volt underground cables	0.0	3.7	11.6	11.6	11.6
11,000 Volt overhead lines	705.9	756.2	799.3	817.7	820.8
11,000 Volt underground cables	15.1	65.5	90.3	93.6	94.3
Low Voltage overhead lines	340.1	345.6	342.7	336.1	333.7
Low Voltage underground cables	18.9	65.6	92.9	107.2	111.8

## Telecommunications

### Employees: British Telecom (Scotland)

	1977	1981	1982	1983	1984	1985*+
Telephonists	35	31	29	24	20	20
Engineers	52	74	71	62	66	66

### Number of Telephone Connections (December each year)

	1971	1981	1983	1984*
Unst	143	308	348	362
Yell	174	367	378	393
Fetlar	21	36	37	40
Northmavine	129	264	267	273
Delting	147	1,070	888	905
Walls & Sandness	129	247	249	250
Sandsting & Aithsting	175	284	294	305
Nesting & Lunnasting	81	168	188	198
Whalsay	194	321	325	328
Skerries	23	34	34	34
Tingwall	335	723	765	753
Bressay	56	107	118	119
Burra	132	257	262	272
Dunrossness	405	1,061	1,057	1,069
Lerwick	1,275	3,078	3,195	3,231
<b>Total</b>	<b>3,419</b>	<b>8,325</b>	<b>8,405</b>	<b>8,562</b>

### No. of Telephone Calls by Shetland Users

	1981	1982	1983	1984*
Trunk Calls	3,418,300	2,577,300	1,957,200	1,697,800
IDD Calls	37,438	33,406	29,168	43,895

### No. of Other Telecommunications Installations in Shetland

	1970	1981	1982	1983	1984*
Telex	5	102	77	83	90
Datel	0	8	10	11	33

\*Since privatisation British Telecom has refused to release any statistics on the grounds of commercial confidentiality.

+Lerwick Telephone Exchange was closed in March 1987. All calls are now handled by the Aberdeen Exchange.

# Electoral Statistics

## JUNE 1983

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

June 1983	June 1987
James Wallace (Lib/Alliance) 9,374	James Wallace (Lib/Alliance) 8,881
David Myles (Con) 5,224	Richard Jenkins (Con) 4,959
Winifred Ewing (SNP) 3,147	John Aberdein (Lab) 3,995
Robina Goodlad (Lab) 2,665	John Goodlad (O & S Movements) * 3,095
Liberal majority 4,150	Grierson Collister (Green) 389
Electorate: 30,411	Majority 3,922
(Shetland 15,902; Orkney 14,509)	Electorate: 31,047
	(Shetland 16,357; Orkney 14,690)
	*Orkney & Shetland Movements

## JUNE 1984

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

Winifred Ewing (SNP)	49,410
Russell Johnston (Lib/Alliance)	33,133
David Webster (Con)	18,847
Jack MacArthur (Lab)	16,644
SNP majority	16,277
Total Electorate: 310,508	(Shetland: 16,057)

## MARCH 1979

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

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

## MARCH 1978

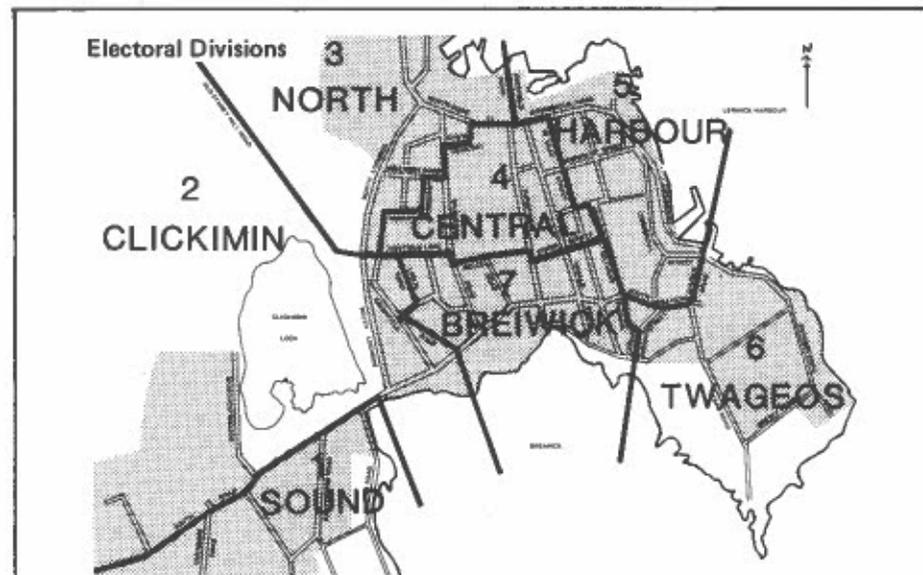
### Referendum: In view of the proposals for devolution for Scotland, do you agree that the Shetland Islands Council should continue to press for Shetland's position to be considered through the establishment of a commission as proposed by Mr Grimond?

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

## JUNE 1975

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

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



## Shetland Islands Council:

### Members (May 1986 to May 1990)

Ward	Councillor
1. Lerwick Sound	<b>John J. Graham</b> , 26 King Harald Street, Lerwick, ZE1 0DJ. (Shetland Movement) (Electorate 987. Returned unopposed)
2. Lerwick Clickimin	<b>Dr. Thomas M.Y. Manson</b> , 93 Gilbertson Road, Lerwick, ZE1 0QJ. (Shetland Movement) (Electorate 742. 216 votes; 39% poll; 74% of total votes cast)
3. Lerwick North	<b>Leonard G. Groat</b> , 10 Voder View, Lerwick, ZE1 0QE. (Labour) (Electorate 993. 328 votes; 59% poll; 56% of total votes cast)
4. Lerwick Central	<b>William A. Smith</b> , 14 Bruce Crescent, Lerwick, ZE1 0PB. (Labour) (Electorate 744. Returned unopposed)
5. Lerwick Harbour	<b>Edward Thomason</b> , 14 Mounthooley Place, Lerwick ZE1 0BL. (Shetland Movement) (Electorate 659. Returned unopposed)
6. Lerwick Twageos *	<b>Michael Johnston</b> , 36 Robertson Crescent, Lerwick, ZE1 0HS. (Electorate 674. 246 votes; 52.5% poll; 70% of total votes cast)
7. Lerwick Breiwick	<b>Cecil B. Eunson</b> , 68 Breiwick Road, Lerwick, ZE1 0DE. (Electorate 684. 203 votes; 49% poll; 61% of total votes cast)
8. Unst	<b>Mrs. Elisabeth Nicolson</b> , 16 Nikkavord Lea, Baltasound, ZE2 9XL. (Electorate 713. 186 votes; 61% poll; 43% of total votes cast)
9. Yell North & Fetlar	<b>David J. Johnston</b> , Moreview, Gutcher, Yell, ZE2 9DF. (Electorate 330. Returned unopposed)
10. Yell South	<b>Robert S. Gray</b> , Sunnylea, Burravoe, Yell, ZE2 9BA. (Electorate 607. 152 votes; 58% poll; 44% of total votes cast)
11. Northmavine	<b>Christopher J. Dowle</b> , Ronas Voe, Ollaberry, ZE2 9RX. (Labour) (Electorate 616. 238 votes; 51% poll; 76% of total votes cast)
12. Delting North	<b>Miss Andrea Manson</b> , Olna, Brae, ZE2 9QS (Electorate 953. 319 votes; 49% poll; 68% of total votes cast)
13. Delting South	<b>Dr. James A. Hunter</b> , Kohima, Gott, ZE2 9SG. (Electorate 420. Returned unopposed)
14. Nesting & Lunnasting	<b>Peter B.A. Hunter</b> , 27 Market Street, Lerwick, ZE1 0JP. (Electorate 365. Returned unopposed)
15. Bressay	<b>James C. Irvine</b> , 20 Twageos Road, Lerwick, ZE1 0BB. (Electorate 257. 135 votes; 76% poll; 69% of total votes cast)
16. Scalloway	<b>William A. Anderson</b> , The Sea Chest, East Voe, Scalloway, ZE2 0US. (Electorate 805. Returned unopposed)
17. Tingwall, Whiteness & Weisdale	<b>Alexander Arthur</b> , Schoolhouse, South Nesting, ZE2 9PP. (Electorate 769. 194 votes; 58% poll; 43% of total votes cast)

Ward	Councillor
18. Whalsay & Skerries	<b>Henry A. Stewart</b> , 2 Gardentown, Symbister, Whalsay, ZE2 9AB. (Electorate 791. Returned unopposed)
19. Sandsting & Aithsting	<b>Mrs Florence B. Grains</b> , Hoove, Whiteness, ZE2 9LL. (Electorate 700. 211 votes; 68% poll; 51% of total votes cast)
20. Walls & Sandness	<b>James W. Nicolson</b> , 13 South Lochside, Lerwick, ZE1 0RA. (Electorate 480. 179 votes; 73% poll; 43% of total votes cast)
21. Gulberwick, Quarff & Cunningsburgh	<b>Mrs Joan McLeod</b> , 2 Dandiegath, Cunningsburgh, ZE2 9JP. (Electorate 659. 240 votes; 63% poll; 55% of total votes cast)
22. Burra & Trondra	<b>William A. Cumming</b> , Bonnieview, Southerhouse, Hamnavoe, ZE2 9LB. (Shetland Movement) (Electorate 651. Returned unopposed)
23. Sandwick **	<b>James L.B. Smith</b> , Bakkabrent, Sandwick, ZE2 9HP. (Electorate 645. 147 votes; 62% poll; 37% of total votes cast)
24. Dunrossness North	<b>William Tait</b> , Bonavista, East Ireland, Bigton, ZE2 9JA. (Electorate 385. 288 votes; 62% poll; 85% of total votes cast)
25. Dunrossness South	<b>Magnus L. Flaws</b> , Westvoe, Virkie, ZE3 9JN. (Electorate 577. 195 votes; 61% poll; 78% of total votes cast)

\* By election 22nd September 1988.

\*\*By-election 21st May 1987.

## Rating and Valuation

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

\* Revaluation: 1st April 1978 and 1985

	1989-90 £
<b>Non-Domestic Rates*</b>	
General	0.50p
Water	0.029p
Sewerage	0.066p
Total	0.595p
<b>Total Non-Domestic R/V</b>	<b>46,386,089</b>
<b>Community Charge**</b>	
General	90.76p
Water	6.78p
Sewerage	16.62p
Total	114.16p

\* Rate per £

\*\* Charge per person

## Departments

Chief Executive: Michael Gerrard, Town Hall, Lerwick, ZE1 0HB

Department	Director	Address
Administration	Neil Risk,	Quendale House, 31 Commercial Street, Lerwick, ZE1 0AN.
Construction	Vacant,	Grantfield, Lerwick, ZE1 0NT.
Design & Technical Services	Vacant,	Hayfield House, Hayfield Lane, Lerwick, ZE1 0QD.
Education	Robin Barnes,	Brentham House, Harbour Street, Lerwick, ZE1 0LR.
Environmental Health & Trading Standards	Douglas Smith,	3 Commercial Road, Lerwick, ZE1 0LX.
Finance	Malcolm Green,	Breivick House, 15 South Road, Lerwick, ZE1 0RB
Housing	Marjorie Bain,	Fort Road, Lerwick. ZE1 0LR
Leisure & Recreation	John Nicolson,	Hillhead, Lerwick, ZE1 0EJ.
Personnel	Peter Taylor, (Personnel Manager)	17 South Road, Lerwick, ZE1 0RB.
Ports & Harbours	George Sutherland,	Port Administration Buildings, Seila Ness, Sullom Voe, ZE2 9QR.
Planning	James Anderson	Victoria Buildings, Esplanade, Lerwick, ZE1 0LL.
Research & Development	Jack Burgess,	93 St. Olaf Street, Lerwick, ZE1 0ES.
Social Work	Peter Malcolmson,	92 St Olaf Street, Lerwick, ZE1 0ES.

Telephone: All Departments Lerwick (0595) 3535 except Construction, Lerwick 2024, and Ports and Harbours, Sullom Voe (0806) 242551.

## Shetland Islands Council Finance

### Revenue and Capital Expenditure

	1988/89		1989/90	
	(Net) Revenue Expenditure £000	Capital Expenditure £000	(Net) Revenue Expenditure £000	Capital Expenditure £000
Development	770	54	1,676	263
Leisure & Recreation	1,101	50	1,707	286
Education	18,469	998	18,765	1,316
<b>General Services:</b>				
Cleansing	790	156	812	684
Sewerage	2,916	161	—	426
Other	1,173	27	1,299	27
Housing	1,317	6,721	1,575	8,070
Ports & Harbours	—	564	—	2,083
<b>Policy &amp; Resources:</b>				
Police & Fire	1,193	—	1,281	—
Capital Fund	2,908	—	7,765	—
Housing Capital Fund	—	—	—	—
Sullom Voe Terminal	-28,598	—	-9,983	—
Unallocated Reserve	—	—	—	—
Fund Contributions	—	—	—	—
Repairs & Renewals Fund	25,098	—	—	—
Other	1,299	597	1,513	987
<b>Roads &amp; Transport:</b>				
Roads	8,145	2,440	8,909	3,551
Ferries	2,595	1,422	3,601	1,899
Other Transport	485	91	609	171
Social Work	2,622	149	3,270	225
Water	—	505	—	306
Contingency Reserve	1,684	—	2,267	—
<b>SUB-TOTAL</b>	<b>43,967</b>	<b>13,935</b>	<b>45,066</b>	<b>20,294</b>
Revaluation	21,989	—	—	—
<b>Total</b>	<b>65,956</b>	<b>13,935</b>	<b>45,066</b>	<b>20,294</b>

### Source of Finance for Revenue Expenditure

	1988/89 £000	1989/90 £000
Community Charge	—	1,573
Rates	50,523	22,679
Rate/Revenue Support Grant	11,723	20,114
Interest on Revenue	—	—
Balances	3,710	700
<b>Total</b>	<b>65,956</b>	<b>45,066</b>

## Community Council Chairmen & Clerks

Aithsting & Sandsting	Chairman: J.P. Nicolson, 1 Whitelaw Road, Aith, ZE2 9NF. Clerk: Mrs L. Fraser, West Burrafirth, Bridge of Walls, ZE2 9NT. Walls 203
Bressay	Chairman: Mrs M. Anderson, Ham, Bressay, ZE2 9ER. Clerk: Mrs K. Manson, Leiraness, Bressay. ZE2 9EL. Bressay 347
Burra & Trondra	Chairman: R. Hunter, Millburn, Bridge End, Burra, ZE2 9LD. Clerk: Mrs I. Inkster, Tremayne, Bridge End, Burra, ZE2 9LE. Hamnavoe 364.
Delting	Chairman: A. Cooper, Linga, Mossbank, ZE2 9RB. Clerk: Mrs E. Thomason, 24 Hamarsgarth, Mossbank, ZE2 9TH Sullom Voe 242733
Dunrossness	Chairman: W.H. Burgess, South Scousburgh, Scousburgh. ZE2 9JE. Clerk: J.A.F. Smith, Toab Geo, Virkie ZE3 9JJ Sumburgh 64647
Fetlar	Chairman: F. Coutts, Everland, Fetlar, ZE2 9DJ. Clerk: Mrs L. Baisley, Gord, Fetlar, ZE2 9DJ. Fetlar 227
Gulberwick, Quarff & Cunningsburgh.	Chairman: T.J. Goudie, Ellangowan, Gulberwick, ZE2 9JX. Clerk: R. Jarmson, Meal, Cunningsburgh, ZE2 9HF. Cunningsburgh 259
Lerwick	Chairman: R.J. Anderson, 54 Breiwick Road, Lerwick. ZE1 0BD. Clerk: Mrs H. Anderson, Community Council Office, Stouts Court, Lerwick. ZE1 0AF. Lerwick 3483.
Nesting & Lunnasting	Chairman: G. Johnson, Sunnyside, Skelberry, Vidlin. ZE2 9QD. Clerk: Vacant
Northmavine	Chairman: Miss A. Irvine, Laarsund, Hillswick, ZE2 9RW. Clerk: Mrs E. Manson, Murrion, Eshaness, ZE2 9RS. Hillswick 255.
Sandness & Walls	Chairman: A. Robertson, 11 Kirkidale, Walls, ZE2 9QX. Clerk: Mrs L. Fraser, West Burrafirth, Bridge of Walls, ZE2 9NT. Walls 203
Sandwick	Chairman: Mrs. B. Smith, Broonies Taing, Sandwick, ZE2 9HN. Clerk: Mrs R. Inkster, Wainui, Hoswick, Sandwick, ZE2 9HL. Sandwick 284

Scalloway	Chairman: Mrs J. Walterson, Greystanes, Berry Road, Scalloway, ZE2 0UJ. Clerk: Mrs C. Jones, 16 Port Arthur, Scalloway, ZE2 0UW. Scalloway 516
Unst	Chairman: W. Henderson, Sotland, Haroldswick, ZE2 9EQ. Clerk: Mrs J. Ritch, Janefield, Baltasound, ZE2 9DX. Baltasound 465
Whalsay & Skerries	Chairman: W.A. Anderson, East Hammister, Symbister, ZE2 9AE. Clerk: H.A. Stewart, 2 Gardentown, Symbister, ZE2 9AB. Symbister 337
Whiteness, Weisdale & Tingwall	Chairman: P. Garrick, Kelda, Tingwall, ZE2 9SB. Clerk: Mrs B. Nicolson, Kaitrins, Hellister, Weisdale, ZE2 9LR. Weisdale 330.
Yell	Chairman: C.G. Spence, Gremisiter, Herra, Mid Yell, ZE2 9BL. Clerk: D.R.A. Rushton, Stonganess, Cullivoe, ZE2 9DE. Gutcher 234

Association of Shetland Community Councils: Chairman - Mrs J. Walterson, Greystanes, Berry Road, Scalloway, ZE2 0UJ. Secretary and Treasurer - J.C. Irvine, Shetland Council of Social Service, Brentham House, 5 Harbour Street, Lerwick, ZE1 0LR. Lerwick 3816.

## Bibliography

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

\* = Publication out of print.

### History

	£
Anderson, P.D.	Robert Stewart: Earl of Orkney, Lord of Shetland. 1533-1593 *
Coull, J.R. (ed)	The Third Statistical Account of Scotland, Vol. XXA Shetland. 1985 22.50
Crawford, B.E. (ed)	Essays in Shetland History 15.00
Fojut, N.	A Guide to Prehistoric Shetland 4.20
Graham, J.J. (intro)	The Statistical Account of Scotland, Vol. XIX, Orkney & Shetland, 1799 (reprint) 22.00
H.M.S.O.	Exploring Scotland's Heritage; Orkney & Shetland 6.95
Irvine, J.W.	Footprints *
Irvine, J. W.	The Dunrossness Story *
Laing, L.	Orkney & Shetland. An Archaeological Guide *
Smith, B. (ed)	Shetland Archaeology. 15.00
Smith, H.D.	Shetland Life and Trade, 1550-1914 *
Thompson, P (and others)	Living the Fishing 8.95
Witherington, D.J. (ed)	Shetland and the Outside World. 1469-1969 *

## General Interest

	£
Balneaves, E.	The Windswept Isles *
Butler, D.	Isle of Noss Guide 1.90
Dunrossness Community Council	Guide to Dunrossness and Fair Isle 0.50
Donaldson, G.	Isles of Home: Sixty Years of Shetland *
Fenton, A.	The Northern Isles, Orkney and Shetland *
Gear, S.	Foula. Island West of the Sun 10.95
Graham, J.J.	The Shetland Dictionary *
Gronneberg, R. (ed)	Island Futures *
Gronneberg, R.	Jakobsen and Shetland 3.95
Guy, P.	Walking the Shetland Coastline
	No. 1: The Island of Yell 2.00
Henderson, T. (ed)	Shetland from Old Photographs *
Irvine, J.W.	Up-Helly-Aa. A Century of Festival 5.00
Irvine, J.W.	Lerwick. The Birth and Growth of an Island Town *
Jakobsen, J.	An Etymological Dictionary of the Norn Language in Shetland. 2 Vols. (Publ. 1928; facsimile edition 1984) 21.00
Kidd, T.	Life in Shetland *
Knox, S.	The Making of the Shetland Landscape *
Lerwick Community Council	Lerwick Town Hall. A Guide *
Marwick, E.	The Folklore of Orkney & Shetland 8.95
Nicolson, J.R.	Hay & Company. Merchants in Shetland 7.95
Nicolson, J.R.	Lerwick Harbour *
Nicolson, J.R.	Shetland 9.95
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Peterson, J.	Shetland Notebook No. 2 (Photo Collection) 3.50
Robson, A.	The Saga of a Ship. The Earl of Zetland 12.00
Schei, L. & Moberg, G.	The Shetland Story 14.95
Shetland Tourist Organisation	Shetland Holiday Guide 1.50
Shetland Tourist Organisation	Shetland Shopping Guide Free
Shetland Tourist Organisation	Guide to Unst, Fair Isle, Foula, Whalsay & Skerries Free
Shetland Tourist Organisation	Inter-Shetland Transport Timetable 0.50
Smith, H.D.	The Making of Modern Shetland *
Waterson, G. & Jones, J.	Fair Isle, A Photographic History *
Wilson, George Washington	Orkney and Shetland (Photo Collection) *

## Economy

	£
Goodlad, C.A.	Shetland Fishing Industry Plan 1984
McNicol, I.H.	Shetland Economy & Industry 1982/83 1.50
McNicol, I.H. & Walker, G.	The Shetland Economy 1976/77 1.00
Shetland Islands Council & Orkney Islands Council	Proposals for a Fisheries Management Scheme in the Orkney & Shetland Area
Shetland Islands Council	Economic Development Strategy for Shetland 1984
Research & Development Dept.	
Wilcox, J.	The Shetland Knitwear Industry: Development through the '80s (1984)

## Wildlife and Natural History

	£
Berry, J.R. & Johnston, J.L.	The Natural History of Shetland 12.95
Cox, M.	The Ponies of Shetland *
Holloway, J.F. & Thorne, R.	The Birds of Fair Isle *
Holloway, J.F.	Fair Isle's 'Garden' Birds 5.00
Shetland Bird Club	Shetland Bird Report
Spence, D.	Shetland's Living Landscape 6.50
Tulloch, R.	A Guide to Shetland Mammals *
Tulloch, R.	Bobby Tulloch's Shetland 14.95
Tulloch, R. & Hunter, F.	A Guide to Shetland Birds *

## Directories

	£
Jamieson, H.	Harry's Shetland Fishing Almanac 1988 1.80
Shetland Chamber of Commerce	Directory of Members -
Shetland Islands Council	
Leisure & Recreation Dept.	Shetland Community Directory 0.75
Shetland Islands Council	
Ports and Harbours Dept.	The Port of Sullom Voe 0.60
Shetland Islands Council	
Research & Development Dept.	Shetland Directory 1.00

## Knitting

	£
Don, S.	The Art of Shetland Lace *
Don, S.	Fair Isle Knitting 6.95
McGregor, S.	Traditional Fair Isle Knitting 9.95
National Trust for Scotland	Traditional Fair Isle Knitting Patterns 1.50
Smith, M. & Twatt, M.	A Shetland Pattern Book 3.60

## Oil

	£
Shetland Islands Council	Shetland's Oil Era 12.00
Research & Development Dept.	

## Specialist

	£
Clyde Cruising Club	Shetland Sailing Directions and Anchorages 9.00
Institute of Geological Sciences	British Regional Geology - Orkney and Shetland 2.25
Knox, Susan	The Making of the Shetland Landscape 18.00
Nevis Institute	The Shetland Report 5.00

## Fishing

	£
Coull, J.R.; Goodlad, J.H. & Sheves, G.T.	The Fisheries in the Shetland Area. A Study in Conservation & Development 3.00
Nicolson, J.R.	Shetland's Fishing Vessels *
Osler, A.	The Shetland Boat; South Mainland & Fair Isle 5.00
Shetland Anglers' Association	A Guide to Shetland Trout Angling 1.00

# Conversion Factors

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

<b>Length</b>	
miles: kilometres .....	1.6093
yards: metres .....	0.9144
feet: metres .....	0.3048
inches: millimetres .....	25.4
inches: centimetres .....	2.54
<b>Area</b>	
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
<b>Volume</b>	
cubic yards: cubic metres .....	0.7646
cubic feet: cubic metres .....	0.0283
cubic feet: cubic decimetres .....	28.3168
cubic inches: cubic centimetres .....	16.3871
<b>Capacity</b>	
gallons: cubic decimetres .....	4.5461
gallons: litres .....	4.546
quarts: litres .....	1.137
pints: litres .....	0.568
<b>Velocity</b>	
miles per hour: kilometres per hour .....	1.6093
feet per second: metres per second .....	0.3048
inches per second: millimetres per second .....	25.4
<b>Mass</b>	
tons: kilograms .....	1016.05
tons: tonnes .....	1.0160
hundredweights: kilograms .....	50.8023
stones: kilograms .....	6.3503
pounds: kilograms .....	0.4536
ounces: grams .....	28.3495