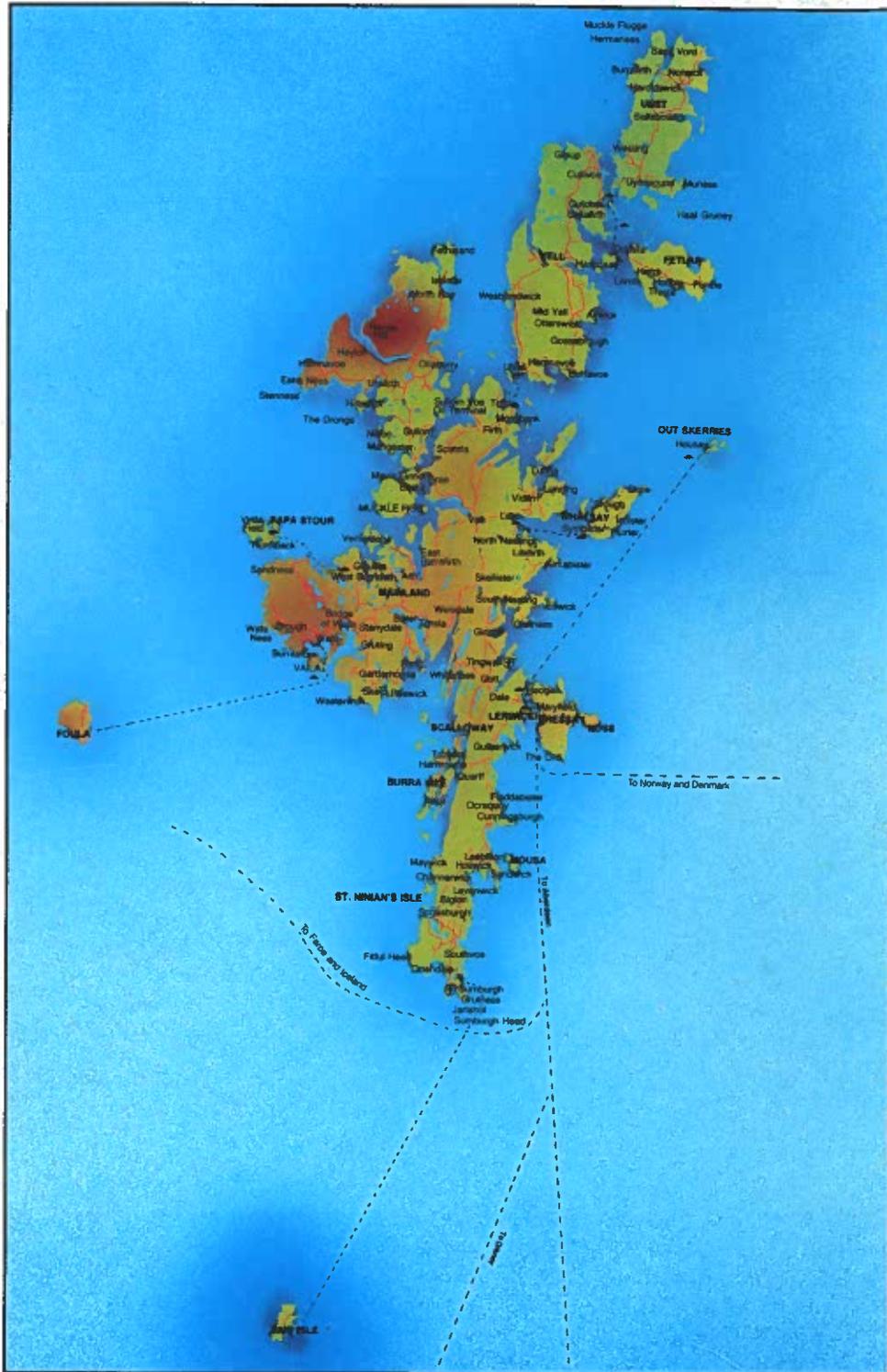




Shetland in Statistics



Map supplied by Shetland Tourist Organisation



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Shetland in Statistics



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Cover photo by John Coutts: Grading Salmon at Shetland Sea Farms cages off Burra.

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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.

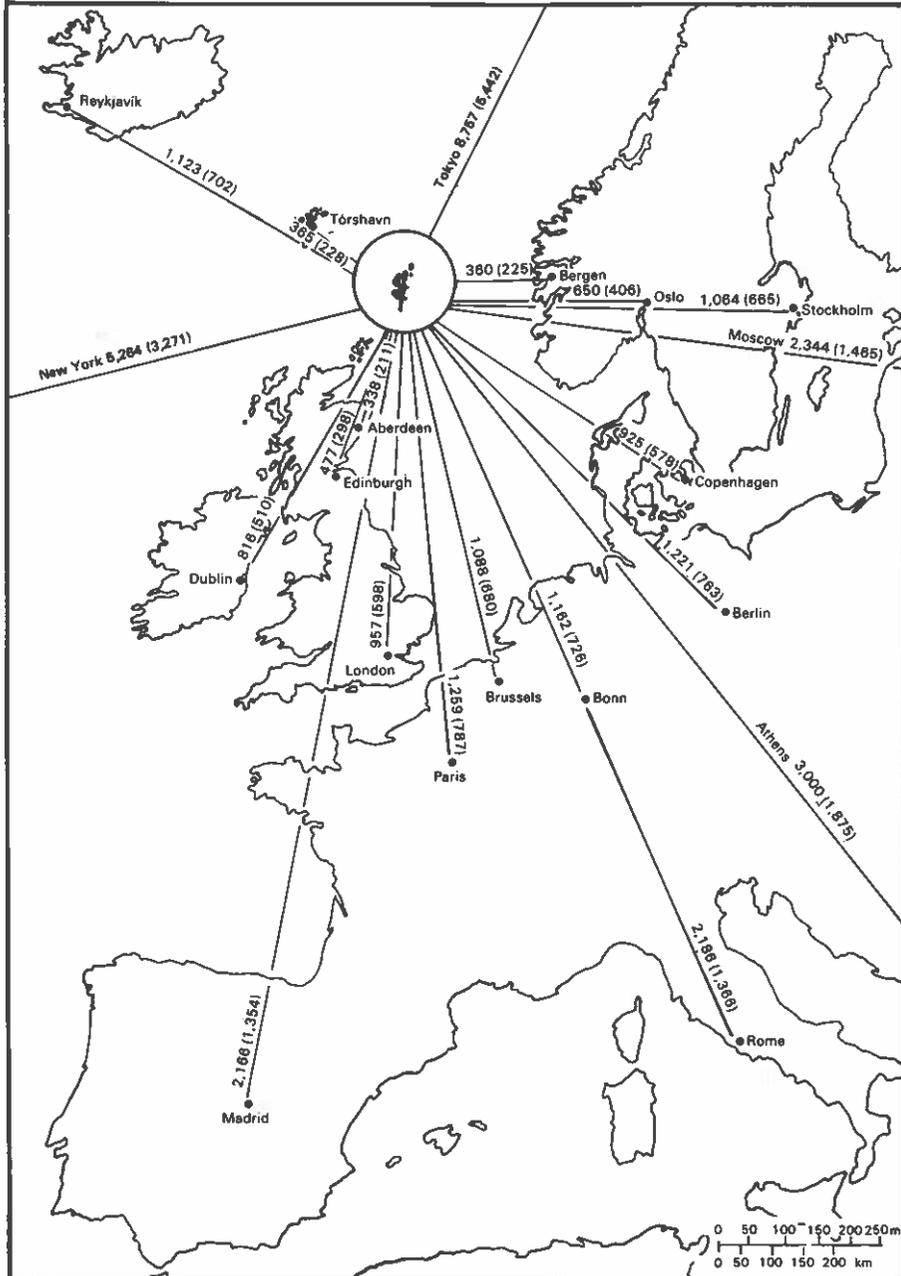
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Shetland: Location

Lerwick is Lat 60° 9' N and 1° 9' W

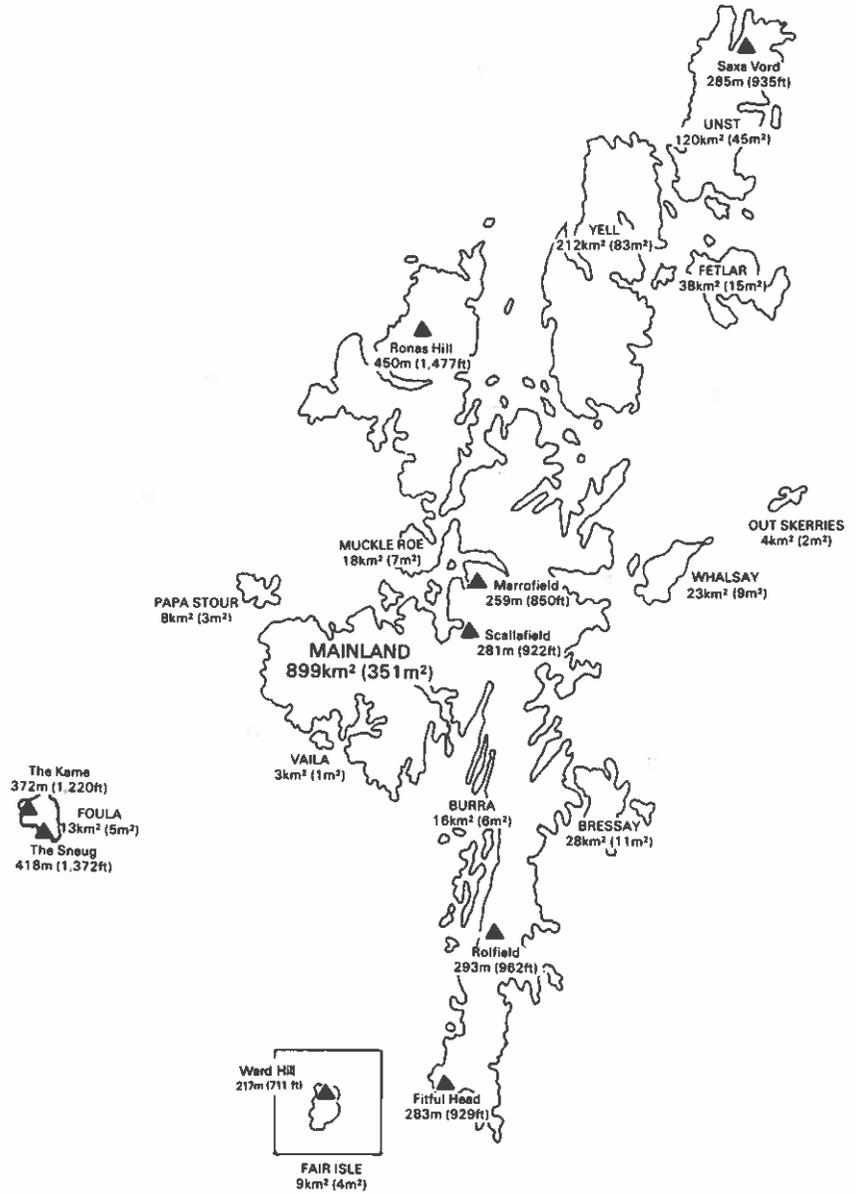
Approximate distances from Shetland
in kilometres (statute miles)



Shetland: Physical Characteristics

Total Area of Shetland: 1,408 square kilometres (552 square miles)
Total Length of coastline: approx. 1,450 kilometres (900 miles)
(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

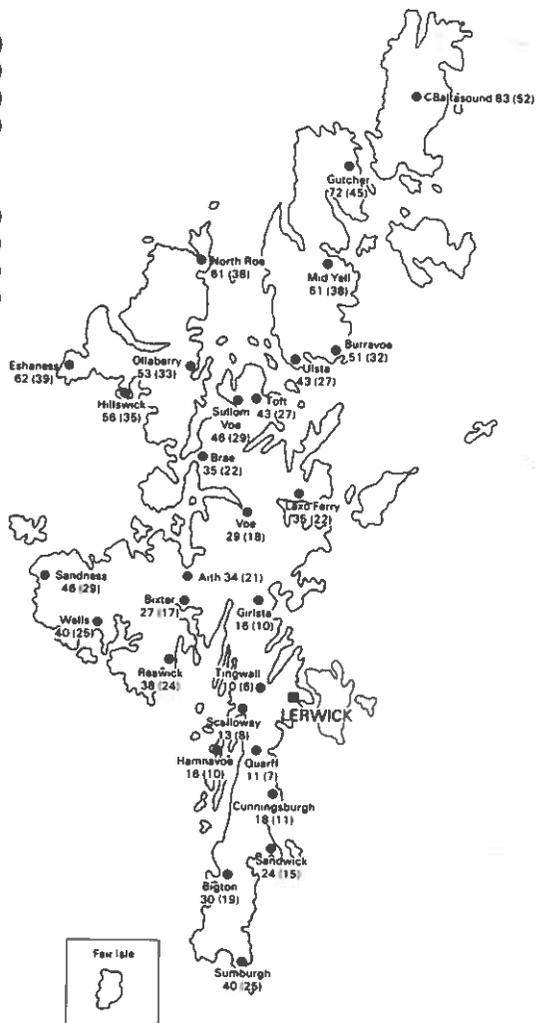
Aith	34(21)	Laxo Ferry	35(22)	Scalloway	13(8)
Bigton	30(19)	Levenwick	28(18)	Skeld	40(25)
Bixter	27(17)	Mossbank	43(27)	Sullom Voe	46(29)
Brae	35(22)	North Roe	61(38)	Sumburgh	40(25)
Cunningsburgh	18(11)	Ollaberry	53(33)	Tingwall	10(6)
Eshaness	62(39)	Quarff	11(7)	Toft Ferry	43(27)
Girlsta	16(10)	Quendale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

Baltsound	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)



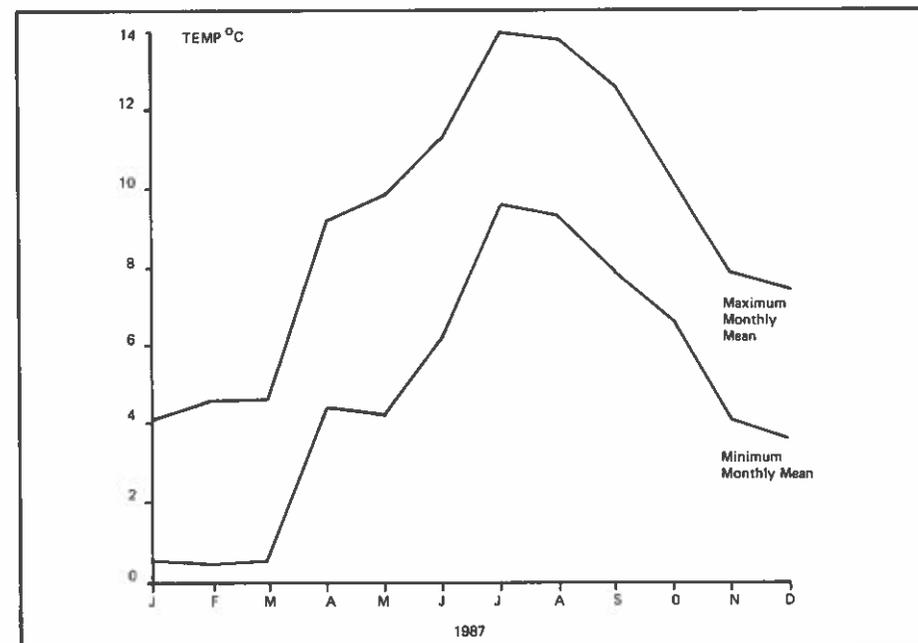
Climate

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 1987 are as follows:

Temperature (degrees C)

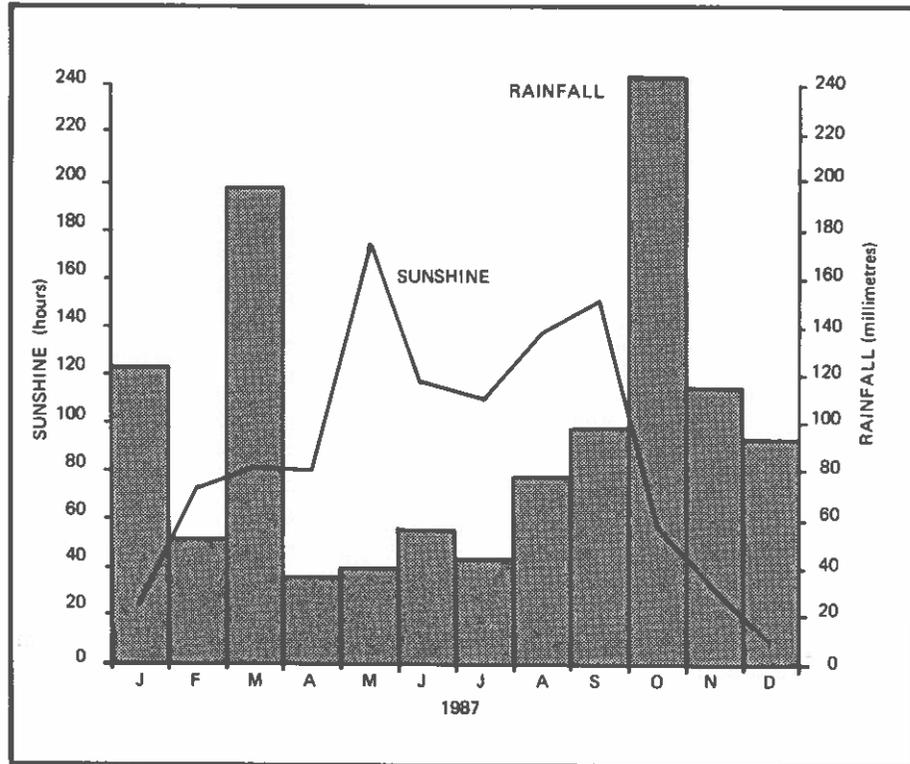
	1987 monthly mean		1951-80 monthly mean		Extreme daily values (1922-1987)	
	Max.	Min.	Max.	Min.	Max.(Year)	Min.(Year)
Jan	4.2	0.6	5.1	1.0	11.7('32,'50)	-8.9('52,'59)
Feb	4.7	0.5	4.9	0.7	11.7('45)	-7.3('80)
Mar	4.7	0.6	6.0	1.7	13.3('61)	-8.3('47)
Apr	9.3	4.5	7.8	2.6	16.1('42)	-5.7('68)
May	9.9	4.3	10.0	5.0	19.4('54)	-2.8('23)
Jun	11.4	6.3	12.5	7.4	23.3('58)	-0.6('24,'29,'31,'51)
Jul	14.1	9.7	13.7	9.0	22.8('26,'58)	3.3('21)
Aug	13.9	9.4	14.0	9.4	21.5('82)	1.7('21)
Sep	12.7	7.9	12.5	8.1	19.4('53)	-0.6('54)
Oct	10.2	6.7	10.3	6.3	17.2('55)	-3.3('48)
Nov	7.9	4.1	7.4	3.3	13.9('46)	-5.7('62)
Dec	7.5	3.7	6.0	1.8	12.2('48)	-8.2('61)
Year	9.2	4.9	9.2	4.7		



Monthly totals

	Sunshine (hours)		Rainfall (millimetres)	
	1987	Extreme daily values (1921-1987)	1987	Extreme daily values (1921-1987)
Jan	24.5	(23.1)	6.6 ('39)	124 (127)
Feb	73.4	(54.2)	9.8 ('40)	51 (93)
Mar	81.0	(84.0)	11.6 ('64)	188 (93)
Apr	80.6	(135.1)	14.8 ('26)	37 (72)
May	176.3	(152.2)	16.2 ('40, '57, '80)	40 (64)
Jun	118.3	(158.5)	17.4 ('34)	56 (64)
Jul	116.3	(124.9)	16.6 ('35)	43 (67)
Aug	138.8	(117.8)	15.1 ('38)	78 (78)
Sep	152.1	(95.3)	12.6 ('43)	97 (113)
Oct	58.2	(63.5)	10.1 ('37)	245 (119)
Nov	33.5	(32.8)	6.8 ('67)	113 (140)
Dec	10.6	(14.9)	5.1 ('57)	94 (147)
Year	1,063.6	(1,056.3)	1,166	(1,177)

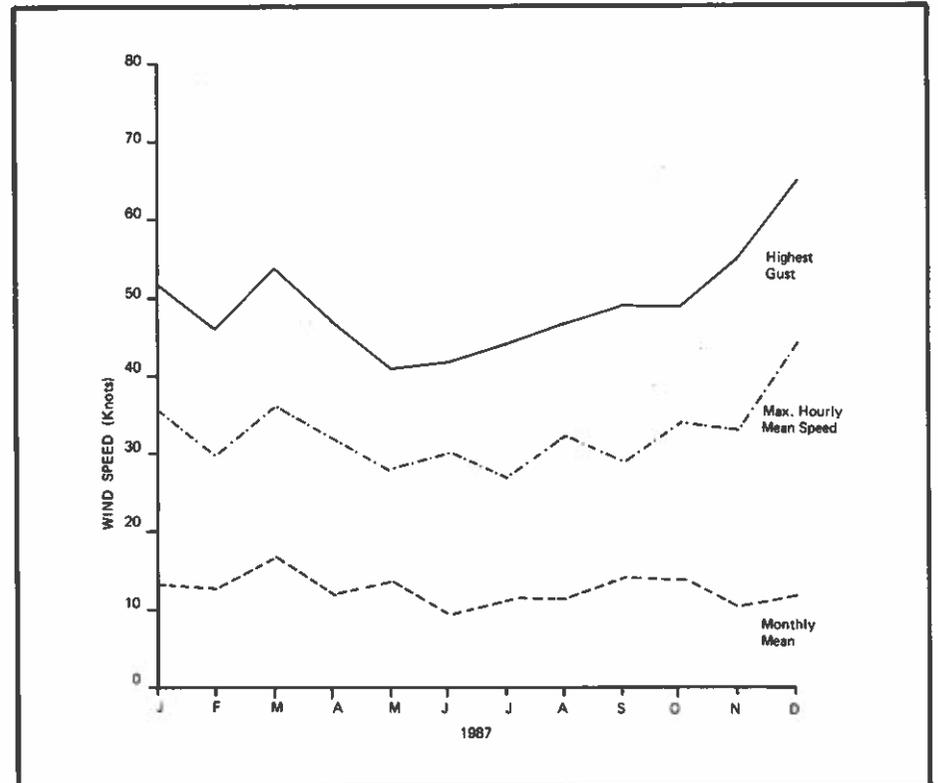
Figures in brackets are 1951-1980 averages.



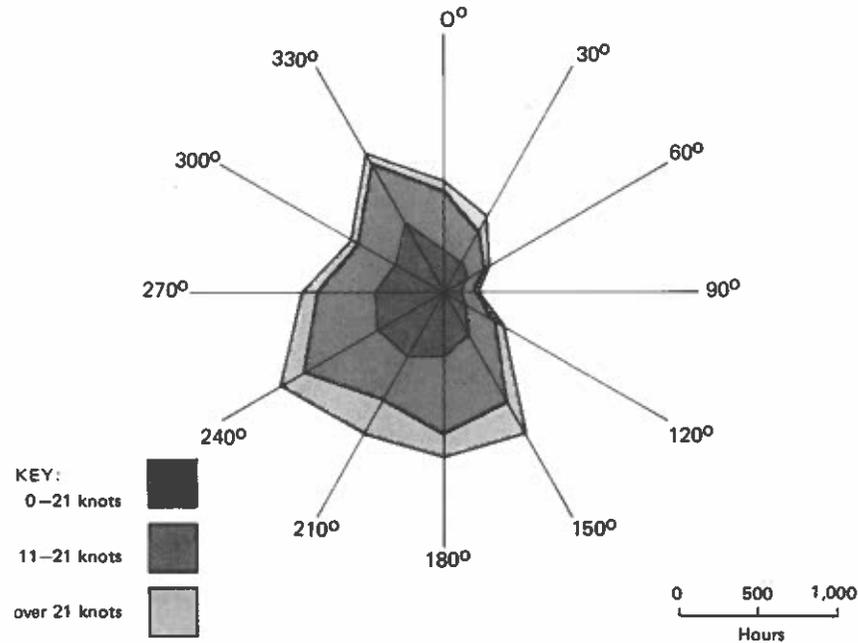
Wind Speed (knots)

	Max hourly mean speed							
	monthly mean		1922-1987			Highest Gust 1922-1987		
	1987	1951-1985	1987	Dir	Year	1987	Dir	Year
Jan	13.5	(16.9)	36	(64 360 '53)	52	(95 220 '61)		
Feb	13.1	(15.4)	30	(56 230 '81)	46	(83 280 '43)		
Mar	16.7	(15.9)	36	(53 240 '67)	54	(77 240 '67)		
Apr	12.0	(13.3)	32	(55 250 '57)	47	(78 250 '57)		
May	13.6	(11.9)	28	(44 100 '82)	41	(65 110 '82)		
Jun	9.3	(11.7)	30	(42 260 '55)	42	(61 260 '55)		
Jul	11.6	(11.3)	27	(40 030 '40)	44	(61 290 '64)		
Aug	11.6	(10.9)	32	(50 240 '23)	47	(71 240 '23)		
Sep	14.0	(13.2)	29	(59 210 '78)	49	(87 260 '63)		
Oct	13.9	(15.0)	34	(58 230 '65)	49	(90 250 '80)		
Nov	10.4	(15.4)	33	(51 220 '38)	55	(80 280 '36)		
Dec	11.9	(16.9)	44	(51 240 '73)	65	(80 220 '38)		
				(58 260 '49)		(90 220 '56)		

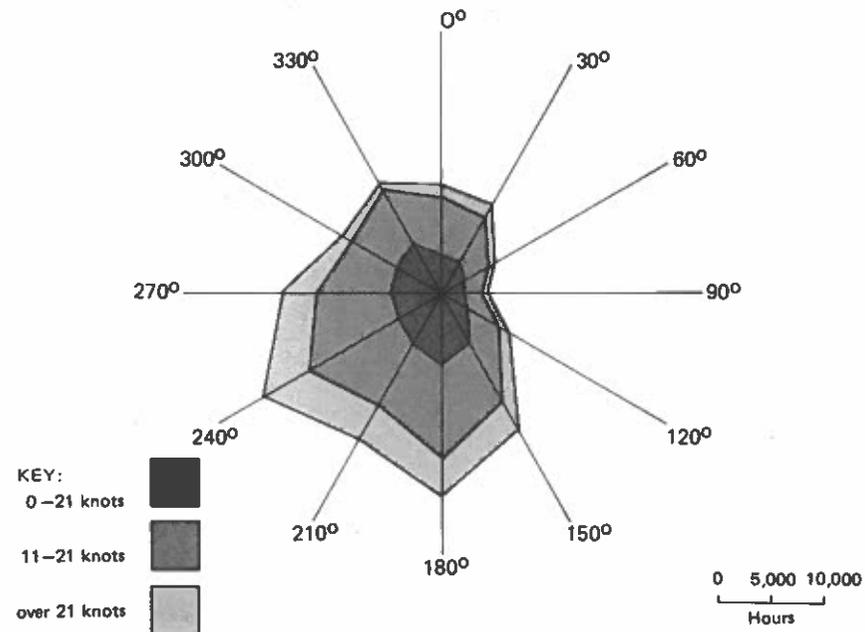
(Lerwick Observatory: 60 08'N, 01 11'W. Wind vane 93m above sea level).



Wind Direction & Speed: 1987



Wind Direction & Speed: 1970-86



No of days in 1987 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Fog	Rain
Jan	16 (14.3)	10 (10.3)	0 (0.8)	4 (7.9)	2 (0.5)	24 (26)
Feb	14 (11.1)	12 (9.9)	0 (0.7)	0 (4.7)	1 (0.4)	22 (20)
Mar	22 (11.9)	11 (7.2)	1 (0.3)	5 (5.4)	1 (1.0)	25 (21)
Apr	2 (7.4)	0 (4.7)	0 (0.1)	1 (1.8)	1 (1.5)	13 (19)
May	3 (2.3)	0 (0.6)	0 (0.1)	0 (0.9)	0 (2.2)	18 (17)
Jun	0 (0.1)	0 (0.0)	0 (0.3)	0 (0.6)	1 (2.5)	21 (16)
Jul	0 (0.0)	0 (0.0)	0 (0.4)	0 (0.4)	2 (3.0)	17 (17)
Aug	0 (0.0)	0 (0.0)	0 (0.3)	0 (0.5)	2 (2.8)	19 (17)
Sep	0 (0.1)	0 (0.0)	0 (0.1)	0 (2.4)	0 (2.2)	23 (20)
Oct	2 (1.4)	0 (0.5)	0 (0.2)	1 (4.6)	0 (1.6)	25 (22)
Nov	6 (8.3)	1 (4.4)	2 (0.9)	1 (5.5)	1 (0.2)	24 (25)
Dec	4 (12.2)	1 (8.1)	1 (0.5)	2 (7.9)	0 (0.6)	23 (25)
Year	69 (69.0)	35 (45.8)	4 (4.6)	14(42.5)	11(18.6)	254(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 1987

Temperature (deg. C.)

Max. Temp.	17th & 20th July	17.5
Min. Temp.	23rd February	- 4.6

Sunshine (hours)

Sunniest Day	14th June	13.4
Sunniest Month	May	176.3

Rainfall (millimetres)

Wettest Day	7th October	50.7
Wettest Month	October	245.5
Driest Month	April	37.0

Wind Speed (knots)

Highest Gust	22nd December	64
Windiest Month	March	16.7
		(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 1987 (based on NHS registrations) was 22,971.

1987

In-migrants.....888 Births291
 Out-migrants.....1,033 Deaths.....206

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

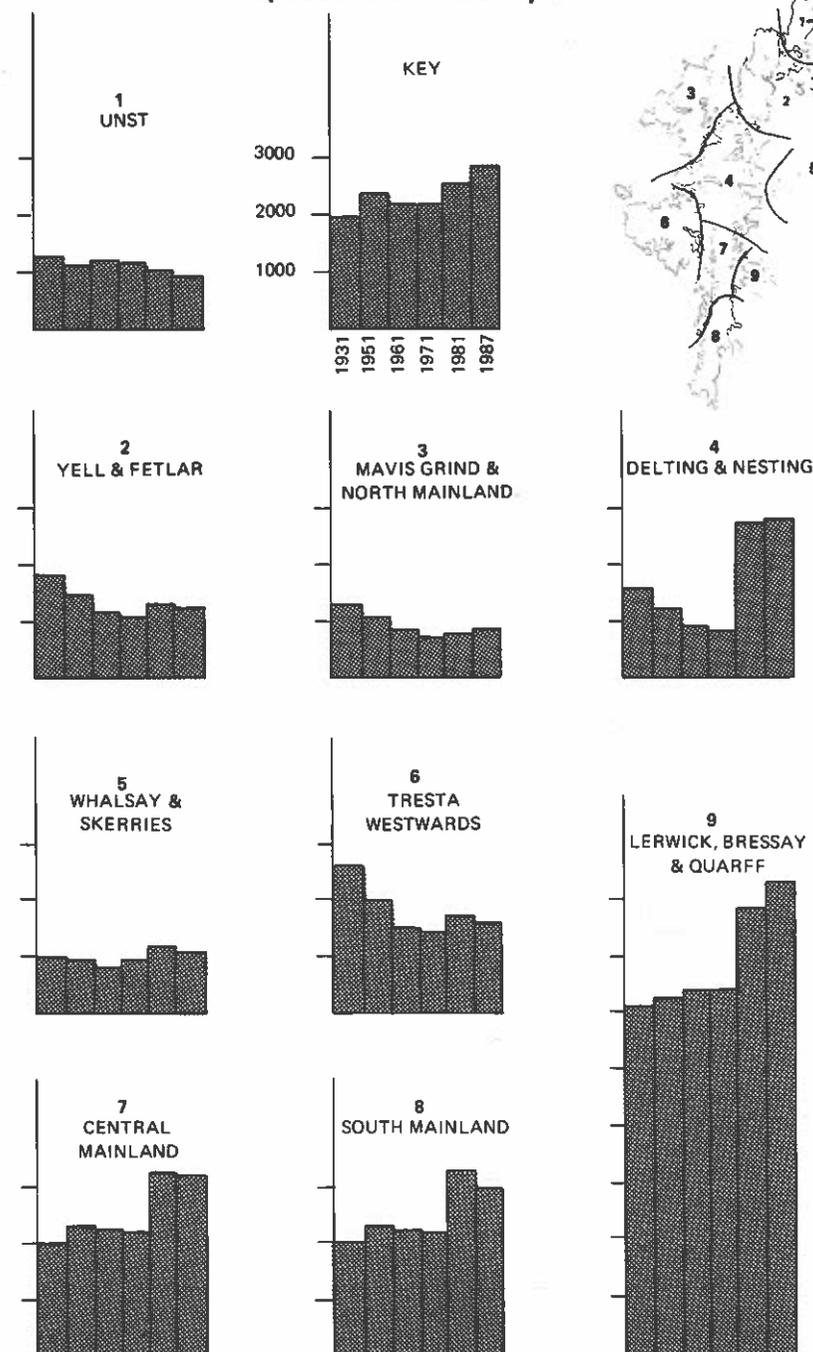
	1931	1951	1961	1971	1981	1986	1987
Unst.....	1,341	1,112	1,151	1,127	1,004	967	974
Yell.....	1,883	1,483	1,152	1,143	1,213	1,120	1,114
Fetlar.....	217	161	127	88	96	97	96
Whalsay.....	900	859	764	870	1,047	1,027	1,023
Skerries.....	110	127	108	100	92	83	85
Mavis Grind – North.....	1,343	1,054	816	696	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
Total Population.....	21,421	19,352	17,812	17,327	23,130	22,860	22,913

Figures in cols. 1 – 5: Population Census.

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

* Boundary change.

Population 1931 – 1987 by area



Population Breakdown by Age and Sex

Age Group	1981			1987		
	Males	Females	Total	Males	Females	Total
0-4	888	890	1,778	838	766	1,604
5-9	901	881	1,782	901	854	1,755
10-14	959	913	1,872	873	894	1,767
15-19	907	846	1,753	833	819	1,652
20-24	886	791	1,677	821	782	1,603
25-29	1,006	852	1,858	956	898	1,854
30-34	1,052	874	1,926	892	888	1,780
35-39	857	782	1,639	882	826	1,708
40-44	706	577	1,283	762	814	1,576
45-49	571	518	1,089	552	615	1,167
50-54	503	520	1,023	461	521	982
55-59	542	516	1,058	414	497	911
60-64	385	488	873	422	490	912
65-69	443	510	953	368	495	863
70-74	371	512	883	349	467	816
75-79	239	411	650	291	417	708
80-84	157	259	416	154	305	459
85+	64	191	225	72	240	312
Total	11,437	11,331	22,768	10,841	11,588	22,429

1981 figures from 1981 census - (usually resident population, not including temporary residents).
1987 figures: Registrar General's estimates for 30th June 1987.

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 1987 are estimated to be close to the 1981 rates.

Employment

Employment in Shetland

	1971	1977	1981	1983	1986
	(a)	(b)	(c)	(d)	(c)*
Primary	279	322	938	1,276	1,095
Manufacturing	1,335	1,125	940	923	970
Construction	489	1,004	906	763	760
Services	2,885	4,400	6,189	5,779	5,819
Self Employed	1,445	1,450	1,452	1,455	1,457
Total	6,433	8,301	10,425	10,196	10,101

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 1986*

Primary	Employees	Self Employed	Total
Agriculture, fishing, fish farming	251	705	956
Quarrying and oil	844	2	846
Total	1,095	707	1,802

Manufacturing	Employees	Self Employed	Total
Food	550	30	580
Engineering	147	20	167
Textiles	184	73	257
Other Manufacturing	89	22	111
Total	970	145	1,115

Construction	Employees	Self Employed	Total
	760	160	920

Services	Employees	Self Employed	Total
Public Utilities	100	0	100
Transport	1,211	64	1,275

Distribution	1,260	230	1,490
Finance & Business	130	2	132
Professional & Scientific	1,381	29	1,410
Miscellaneous Services	1,153	120	1,273
Public Administration	584	0	584
Total	5,819	445	6,264

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.

Source: Shetland Islands Council Research and Development Department survey.

*Full survey currently being undertaken – results to be incorporated in next edition.

Unemployment percentage as at June each year

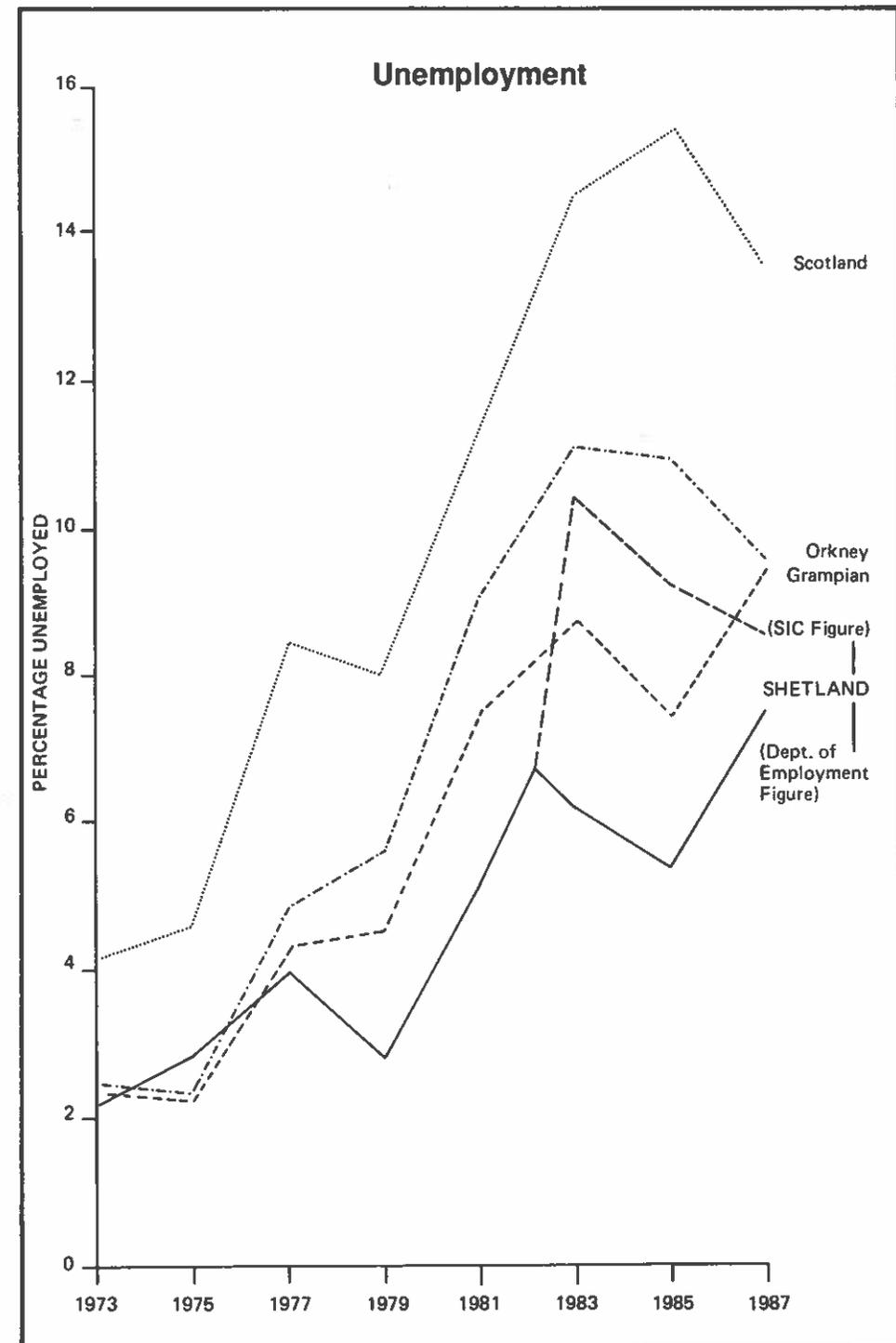
	1973	1977	1979	1981	1983	1985	1986	1987
Shetland %	2.2	4.0	2.8	5.3	6.5	5.5	6.3	7.6
Actual Jan:	283	213	220	402	874	798	805	899
Figures July:	135	289	233	457	729	658	771	766
Orkney %	2.4	4.8	5.7	9.0	11.1	10.9	11.7	9.5
Western Isles%	12.9	14.0	11.8	20.1	19.8	17.4	19.1	17.3
Grampian%	2.4	4.3	4.6	7.6	8.5	7.6	8.8	9.4
Strathclyde%	5.2	9.8	9.8	16.1	16.9	18.5	18.1	18.0
Scotland%	4.3	8.6	8.1	13.5	14.5	15.3	14.0	13.7

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 January 1988 was 7.5 per cent, while the council's figure was 8.5 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
Total	37.4			55.4	

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



Youth Unemployment in Shetland:

	1980		1982		1983		1984		1985		1986		1987	
	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June
Unemployed	9	34	41	76	58	106	69	115	54	129	49	142	48	164
On Schemes	5	7	38	36	33	48	43	51	97	90	120	100	127	126
Total	14	41	79	112	91	154	112	166	151	219	169	242	175	290

Agriculture

	1971	1976	1981	1986	1987
Land Use: (Figures to nearest hectare)					
Tillage.....	1,410	1,221	1,062	973	904
Grassland & Crops.....	8,407	8,766	8,400	9,430	9,533
Rough Grazing (including common grazings).....	129,019	133,889	133,160	133,880	100,597
Total area rented.....	38,130	37,271	36,046	36,008	36,220
Total area owned.....	28,161	29,566	30,368	31,844	32,010
Number of holdings.....	2,439	2,353	2,240	2,277	2,284
Number of common grazings.....	93	93	93	97	97
Area Under Crops: (Figures to nearest hectare)					
Grass (other than rough grazing).....	6,998	7,545	7,338	8,457	8,631
Barley & Oats.....	857	614	511	406	369
Turnips & Swedes.....	134	122	103	112	96
Kale & Cabbage.....	73	48	34	33	33
Potatoes.....	256	260	232	204	198
Rape.....	48	27	17	44	58
Other Crops.....	17	14	25	61	113
Livestock:					
Beef Cows & Heifers.....	2,492	2,600	1,896	2,251	2,130
Dairy Cows & Heifers.....	791	679	593	767	641
Total Cattle.....	6,945	6,988	5,103	6,340	6,458
Breeding Ewes & Gimmers.....	-	-	-	162,350	180,164
Total Sheep.....	264,779	284,585	297,558	329,912	337,155
Pigs.....	9	39	83	63	65
Poultry.....	12,950	10,286	8,672	6,455	6,367
Registered Slaughter Houses.....	9	9	8	5	5
Sheep Slaughtered.....	8,417	11,440	9,592	14,510	12,402
Cattle Slaughtered.....	485	136	278	446	408
Pigs Slaughtered.....	-	-	-	77	107
Sheep Exported.....	43,464	49,687	60,542	84,364	92,130
Cattle Exported.....	1,947	2,660	2,066	2,198	2,382
Ponies Exported.....	417	618	407	344	324
Pigs Exported.....	-	-	-	3	17
Wool Production (Kilos).....	n/a	n/a	c.212,000	c.300,000	c.310,000

(1987 Average price of locally graded wool (161,827kg.), including Government Support element of 14.22p/kilo=114p approx.)

	1971	1976	1981	1986	1987
Milk:					
Dairy Units.....	23	22	23	19	18
Milk Production (Litres).....	1,428,975	1,632,150	2,069,550	2,576,847	2,630,141
Employment:					
Full & part-time employees.....	222	210	204	203	202
Full & part-time occupiers.....	439	509	457	468	468
Others (including occupiers less than half time, wives/husbands of occupiers and casual/seasonal labour).....	584	787	718	799	800

In addition, there will be some part-time 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 Agricultural Output was estimated to be £8.2 million, including subsidies. (Full survey currently in progress - results in next issue)

Capital Improvement	1976	1981	1986	1987
Land Improvement (figures to the nearest hectare unless stated)				
Reclamation.....	22	16	90	40
Reseeding.....	-	-	109	71
Regeneration.....	120	283	587	551
Laying to Permanent Pasture.....	-	-	10	10
Drainage (metres).....	18,471m	20,864m	166,944	130,482*
Apportionments.....	183	1,305	961	1,055**
Grant Aided Capital Investment				
New Silos.....	8	1	8	5
Fanks and Dippers.....	4	6	10	7
New Byres.....	4	2	1	1
GP Sheds.....	6	10	35	22
Slatted Courts.....	2	1	2	0
Cubicle Houses.....	0	2	1	0
New Croft Houses.....	0	17	14	16
Croft House Improvements.....	n/a	3	3	5

* 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 1987 to 31st December 1987, 63 apportionment applications were received, and 66 apportionments were granted for a total area of 1,055 hectares.

In 1987 Shetland accounted for 22.02% of claims at 20.11% of the total expenditure of the Crofters Commission. Orkney accounted for 10.09% of claims at 9.50% of total expenditure, and Caithness accounted for 12.21% of claims at 16.70% of total expenditure.

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 231 agricultural loans approved up to and including the Trustee's meeting on 15th January 1988.

Development Projects:

Type of Project	Numbers	Hectares	Metres	Gross Cost
Drainage/Ditching		75.70	3,371,386	£ 310,900
Fencing		218.50	445,163	£ 821,363
Roads			29,017	£ 182,606
Reseeding		3,619.20		£1,222,112
Buildings				£1,938,984
Machinery				£ 966,234
Livestock: Sheep	10,628			£ 303,251
Cattle	436			£ 207,645
Pigs	7			£ 320
Land Purchased/Assigned		1,979.09		£ 463,120
Loan to NEF to provide Emergency Stockpile of Animal Feedstuffs				£ 32,000
Other (Horticultural & Drystane Dykes)				£ 47,842
Allowance for Inflation				£ 256,181
Total Gross Cost				£6,753,058
Financed by: Grants (from D.A.F.S. and H.I.D.B.)				£2,575,738
Personal Contributions (A minimum of 15% of the Gross Costs before inflation. This does not apply to the £32,000 Emergency Stockpile)				£1,005,713
Loans from the SIC Charitable Trust				£3,171,607
Balance of Funds				£ 274,393
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
1982	13,382	4,274,863	847	466,079	45,575	1,349,520
1983	15,076	5,572,603	884	507,466	33,452	1,029,405
1984	13,946	6,518,971	921	560,524	32,579	1,117,646
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						
Jan	1,365	1,055,573	47	45,745	—	—
Feb	1,664	1,133,983	92	91,448	—	—
Mar	1,580	1,156,853	56	36,080	—	—
Apr	1,423	1,078,808	118	60,651	882	26,750
May	1,237	866,472	106	62,228	2,385	72,308
Jun	1,511	1,019,280	90	39,299	1,686	52,247
Jul	1,252	872,900	66	35,746	925	28,884
Aug	1,385	907,472	40	20,025	1,983	60,577
Sep	1,618	1,267,230	62	34,766	268	8,135
Oct	1,639	1,292,464	74	49,291	12	372
Nov	1,483	1,190,821	56	48,040	—	—
Dec	1,141	922,371	61	100,572	—	—
Total	17,298	12,764,227	868	623,891	8,141	249,273

*Excluding pelagic landings

Included in White Fish Total

	1985		1986		1987	
	Tonnes	£	Tonnes	£	Tonnes	£
Cod	4,159	2,640,574	2,362	1,956,727	3,303	2,794,933
Haddock	4,103	2,503,054	7,260	4,104,819	6,033	4,271,014
Whiting	4,797	2,287,933	3,811	1,930,022	4,258	2,363,918

Average Quay Prices per tonne

	1982	1983	1984	1985	1986	1987
	£	£	£	£	£	£
Cod	404.51	463.15	581.33	634.85	828.42	846.18
Haddock	328.55	383.01	513.70	610.10	565.40	707.94
Whiting	277.98	319.13	391.95	476.92	506.43	555.17

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
1985	31,938	3,804,000	2,710	226,585	1,109	49,886
1986	51,230	5,216,706	226	29,558	313	31,302
1987						
Jan	—	—	—	—	5	2,272
Feb	—	—	—	—		
Mar	—	—	—	—		
Apr	—	—	—	—		
May	—	—	—	—		
Jun	130	16,737	—	—		
Jul	10,092	1,232,301	—	—		
Aug	28,343	3,365,460	0.3	37		
Sep	3,955	481,380	—	—	112	5,022
Oct	627	73,025	769	77,233	218	15,147
Nov	14	1,804	145	15,231	—	—
Dec	2,032	254,878	206	26,016	—	—
Total	45,193	5,425,585	1,120.3	118,517	335	22,441

*No Horse Mackerel was landed during 1987

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

	1984		1985		1986		1987	
	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
	65,876	10,490,762	68,966	13,828,680	74,839	15,547,208	72,088	18,580,043

Employment in the Shetland Fishing Industry

	1971	1981	1983	1984	1985	1986	1987
Catching	636	542	515	507	503	507	512
Processing	967	480	516	546	542	567	468
Ancillary	171	243	244	253	259	265	326
Total	1,774	1,265	1,275	1,306	1,304	1,339	1,306

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

Weight and Value of Catch by Method

	1985		1986		1987	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	6,264	3,614,111	6,605	3,990,827	4,644	3,245,430
Industrial Trawl	17,281	533,109	11,963	360,925	8,141	249,273
Light Trawl	8,339	4,807,931	9,318	5,738,193	10,588	8,029,998
Purse Seine	34,482	3,946,058	43,952	4,455,263	45,782	5,467,450
Motor/heavy Trawl	27	13,002	238	183,629	937	802,834
Pair Trawl (Demersal)	673	366,361	227	23,153	1,087	648,904
Pair Trawl (Pelagic)	1,275	134,401	1,798	177,892	798	90,689
Single Boat Trawl	—	—	—	—	66	8,304
Beam Trawl	—	—	—	—	4	5,386
Gill Nets	—	—	—	—	10	7,020
Scallop Dredging	216	238,900	365	443,280	320	384,467
Queen Escallop	—	—	—	—	—	—
Dredging	141	43,072	96	31,449	64	21,941
Creels	270	131,735	268	134,387	483	215,066
Hand & Small Lines	—	—	3	663	29	25,674
Hand Gathered	—	—	6	7,547	10.4	550
Foreign Landings	10,404	178,424	12,045	1,033,509	1,018	220,635
Total	79,370	14,007,104	86,884	16,580,717	73,971.4	19,423,621

Landings by Shetland Vessels outwith Shetland, 1987

	Herring		Mackerel		White Fish	
	Tonnes	£	Tonnes	£	Tonnes	£
Ullapool	1,284	151,547	39,779	4,481,339	—	—
Aberdeen	123	15,973	—	—	147	164,507
Eire	—	—	1,103	137,259	—	—
Holland	—	—	781	124,000	—	—
Denmark	8,006	1,318,159	3,033	540,071	—	—
Lochinver	—	—	—	—	21	17,608
Stromness	—	—	—	—	31	30,284
Hartlepool	—	—	—	—	2	1,994
Total	9,413	1,485,679	44,696	5,282,669	201	214,393

Landings by Non-Shetland UK vessels in Shetland 1987

	White Fish	Herring	Mackerel	Horse Mackerel
Tonnes	N/A	38,529	749	—
(£)	N/A	4,566,151	98,348	—

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 over 50 ft	Vessels 35-50ft	Vessels 20-35ft	Total
1971	3	38	36	59	136
1976	5	46	29	57	137
1981	10	43	27	44	124
1983	11	43	25	46	125
1984	11	43	29	55	138
1985	12	41	29	55	137
1986	10	36	19	48	113
1987	10	39	15	64	128

*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.

Distribution of Vessel Type by District 1987

	Purse Seiners	Trawlers/Seiners over 50ft	Vessels 35-50ft	Vessels 20-35ft	Total
South Mainland & Fair Isle	—	—	1	4	5
Lerwick & Bressay	1	6	2	5	14
Whalsay	8	10	3	3	24
Out Skerries	—	2	—	2	4
Yell, Fetlar & Unst	—	2	2	7	11
Central Mainland	—	—	1	5	6
Northmavine	1	1	—	2	4
West Mainland (inc. Foula)	—	1	1	18	20
Scalloway, Burra & Trondra	—	17	5	18	40
Total	10	39	15	64	128

Source: DAFS

Fish Processing

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

Processing lines

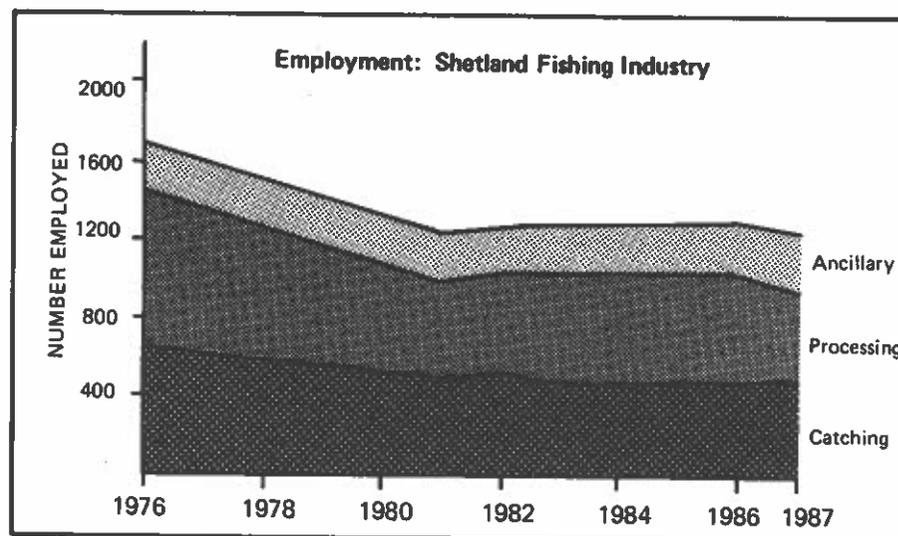
	1984	1985	1986	1987	1988
White fish	11	11	11	12	7
Herring	1	1	2	1	—
Fish meal plants	2	2	2	2	2
Shellfish	2	2	2	2	2
Salmon	—	—	—	—	5

The processing industry underwent dramatic change in 1987. Shortages of supplies, high market prices and adverse exchange rates for the UK pound against the US dollar resulted in serious problems for many white fish firms. Ownership of several factories changed in 1987 and several factories closed temporarily because of these difficulties. However, several firms began processing locally farmed salmon.

Turnover was estimated to be £12.7 million in 1982-83* and rose to around £15m 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 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 is expected in 1988 to overtake 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 1987 the industry had created 113 full-time and 83 part-time jobs.

Farms

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

* Estimate

Production

	1984	1985	1986	1987	1988*
Smolts introduced(x000)	294	575	935	2,054	3,000
Production (tonnes)	50	700	1,500	2,175	5,440
Average tonnes per farm	3.5	53.8	55.6	57.2	126

*estimate

Value

	1984	1985	1986	1987	1988*
Production value (£m)	0.22	2.7	5.68	8.7	21.76
Average per tonne (£)	4,400	3,857	3,787	4,000	4,000

*estimate

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 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. In December the terminal was visited by the largest tanker yet to call, the 388,000 tonne Capitol, one of the biggest tankers in service in the world today.

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 Staffjord	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

(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*
Eider	Shell/Esso	1989	45,000
Tern	Shell/Esso	1989	55,000
Don	Britoil/Shell/Esso	1989	12,000

*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. LPG processing and shipment was suspended in September 1987 for major repairs to corrosion under insulation on process pipelines (CUI). This has seen the largest contractor workforce on site since the Terminal was built.

Brent Pipeline System: throughput of oil

	1979	1981	1983	1985	1987
Barrels	77,552,205	174,504,301	273,744,800	300,530,869	260,422,723
Tonnes	10,367,579	23,116,490	36,224,680	39,796,300	34,458,814

Ninian Pipeline System: throughput of oil

	1979	1981	1983	1985	1987
Barrels	63,665,158	115,735,451	123,365,814	136,207,965	110,640,234
Tonnes	8,555,865	15,545,240	16,548,268	18,190,078	14,735,527

Sullom Voe Terminal: total throughput of oil

	1979	1981	1983	1985	1987
Barrels	141,217,363	290,239,752	397,110,614	436,738,834	371,062,957
Tonnes	18,923,444	38,661,730	52,772,948	57,986,378	49,194,341

Sullom Voe Terminal: average barrels per day

	1979	1981	1983	1985	1987
Brent system	212,472	478,094	749,986	823,372	713,487
Ninian system	174,425	317,083	337,988	373,173	303,124
Total	386,897	795,177	1,087,974	1,193,805	1,016,611

Brent pipeline system: throughput of gas (tons)

	1982	1983	1984	1985	1986	1987*
Propane	174,889	350,552	492,419	488,713	476,742	286,656
Butane	128,624	274,298	371,195	368,347	375,641	226,076

Ninian pipeline system: throughput of gas (tons)

	1982	1983	1984	1985	1986	1987*
Propane	176,805	350,258	394,007	388,602	346,478	218,732
Butane	115,072	236,644	278,638	281,990	254,621	164,561

Sullom Voe Terminal: total throughput of gas (tons)

	1982	1983	1984	1985	1986	1987*
Propane	351,694	700,810	886,426	877,727	823,220	505,388
Butane	243,696	510,942	649,833	650,337	630,262	390,637

Sullom Voe harbour: total of tankers using port

	1979	1980	1981	1982	1983	1984	1985	1986	1987
Oil	270	341	432	536	586	672	672	654	580
Gas	—	—	—	55	111	124	114	112	70*

*See note on CUI work on page 28

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)
Total Employees	921	(50)	1,048	(49)	1,240	(54)	1,218	(58)

	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)
Total Employees	1,080	(63)	997	(73)	982	(63)	1,332	(55)

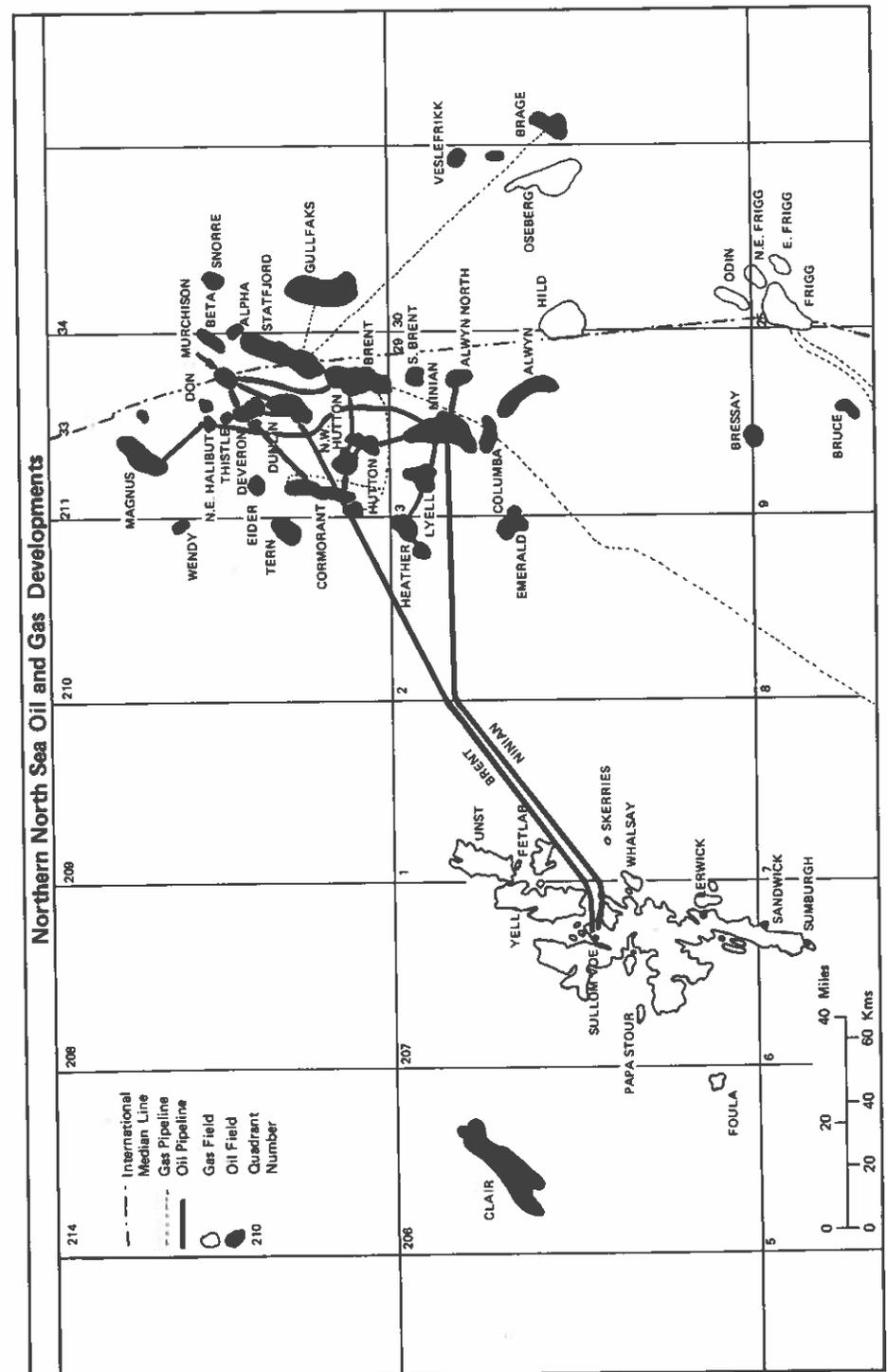
Source: Joint Employment Monitoring Group; BP; Shetland Towing; SIC Ports & Harbours Department.

*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 in Lerwick

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

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

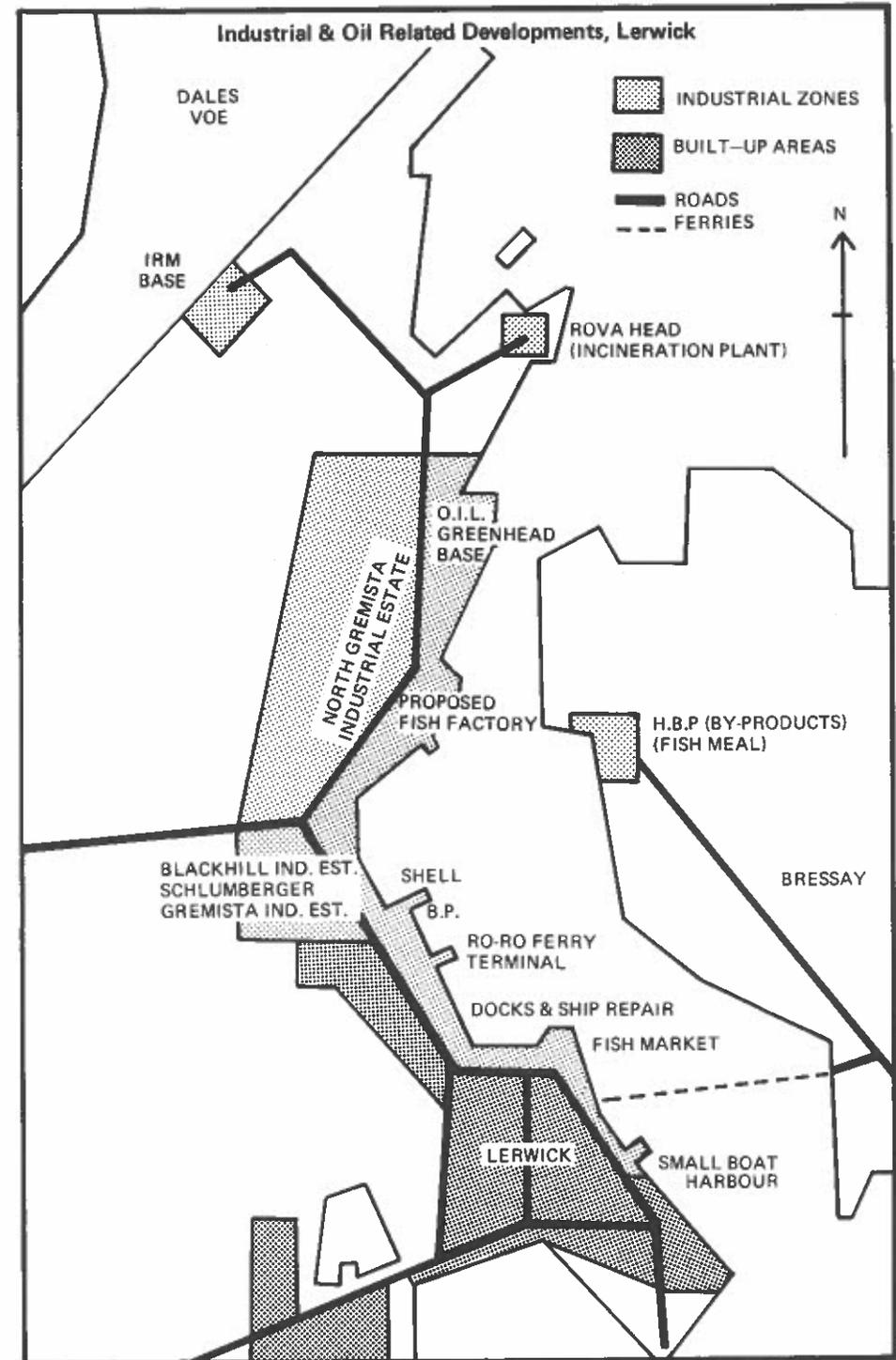
Total Operating Receipts of Shetland oil firms were around £155.5 million in 1982/83. This figure does not include the value of crude oil passing through Sullom Voe, nor the value of equipment and materials transhipped offshore. A high proportion of the revenue was spent on imports or remitted outwith 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 1987

Country	'000 tonnes	% of World Total Production (Change from 1986)
1. (1) USSR	625,000	21.5 (+0.4)
2. (2) USA	460,500	15.8 (- 0.6)
3. (3) Saudi Arabia	209,500	7.2 (- 1.4)
4. (4) Mexico	143,500	4.9 (+0.2)
5. (5) China	133,000	4.6 (+0.1)
6. UK	122,000	4.2 (- 0.2)*
7. (6) India	112,500	3.9 (+0.7)
8. (7) Iraq	101,200	3.5 (+0.7)
9. (8) Venezuela	90,200	3.1 (0.0)
10. (9) Canada	87,500	3.0 (+0.1)
(10) UK excluding Shetland	72,806	2.5 (- 0.1)*
11. (11) Indonesia	64,100	2.2 (- 0.1)
12. (12) Nigeria	64,000	2.2 (- 0.3)
13. (13) Kuwait	61,000	2.1 (- 0.4)
14. (14) Abu Dhabi	51,100	1.8 (+0.2)
15. (15) Norway	50,000	1.7 (+0.2)
(16) Shetland	49,194	1.7 (- 0.2)*
16. (17) Libya	46,500	1.6 (- 0.1)
17. (18) Egypt	45,000	1.5 (+0.1)

Source: Petroleum Economist.

* Shetland Production Figures are included in the UK figures. The placing in parentheses (6) (above) and (3) (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 (1986)

Country	'000 barrels per day	% of World Total (Change from 1985)
1. UK	2,236.59	16.6 (- 0.3)*
2. (1) Mexico	1,700.00	12.6 (+0.3)
3. (2) USA	1,257.00	9.3 (+1.0)
(3) Shetland	1,146.64	8.5 (+0.6)*
4. (4) Saudi Arabia	1,107.00	8.1 (- 1.8)
(5) UK excluding Shetland	1,089.95	8.1 (- 0.9)*
5. (6) Venezuela	900.00	6.7 (+0.4)
6. (7) Norway	780.58	5.8 (+0.8)
7. (8) India	621.00	4.6 (+0.5)
8. (9) Egypt	589.60	4.4 (- 0.5)
9. (10) Iran	505.00	3.8 (- 0.2)
10. (11) Indonesia	391.88	2.9 (- 0.3)
11. (12) Australia	384.06	2.9 (- 0.2)
12. (13) Brazil	376.00	2.8 (+0.3)
13. (14) Dubai	330.60	2.5 (+0.4)
14. (15) Nigeria	289.52	2.2 (- 0.6)

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

* See notes to previous table

Industrial Sites

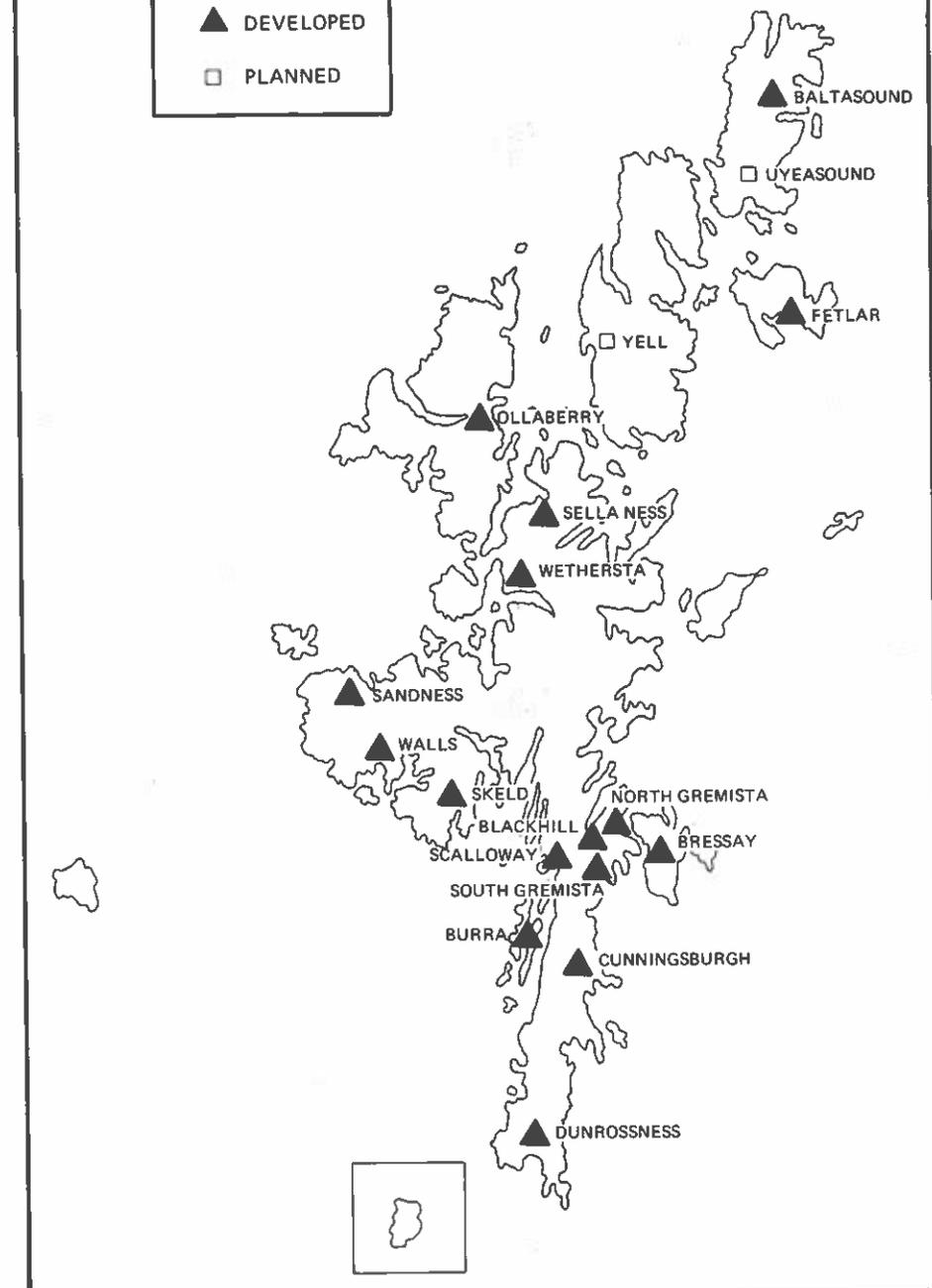
Sixteen serviced sites and estates have been developed, and two more are planned.

Industrial Site	Owner	Area in hectares (acres)	
Developed:			
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)
Planned:			
Uyeasound	SIC	0.34	(0.84)
Yell	SIC	0.52	(1.28)

SIC Shetland Islands Council
LHT Lerwick Harbour Trust

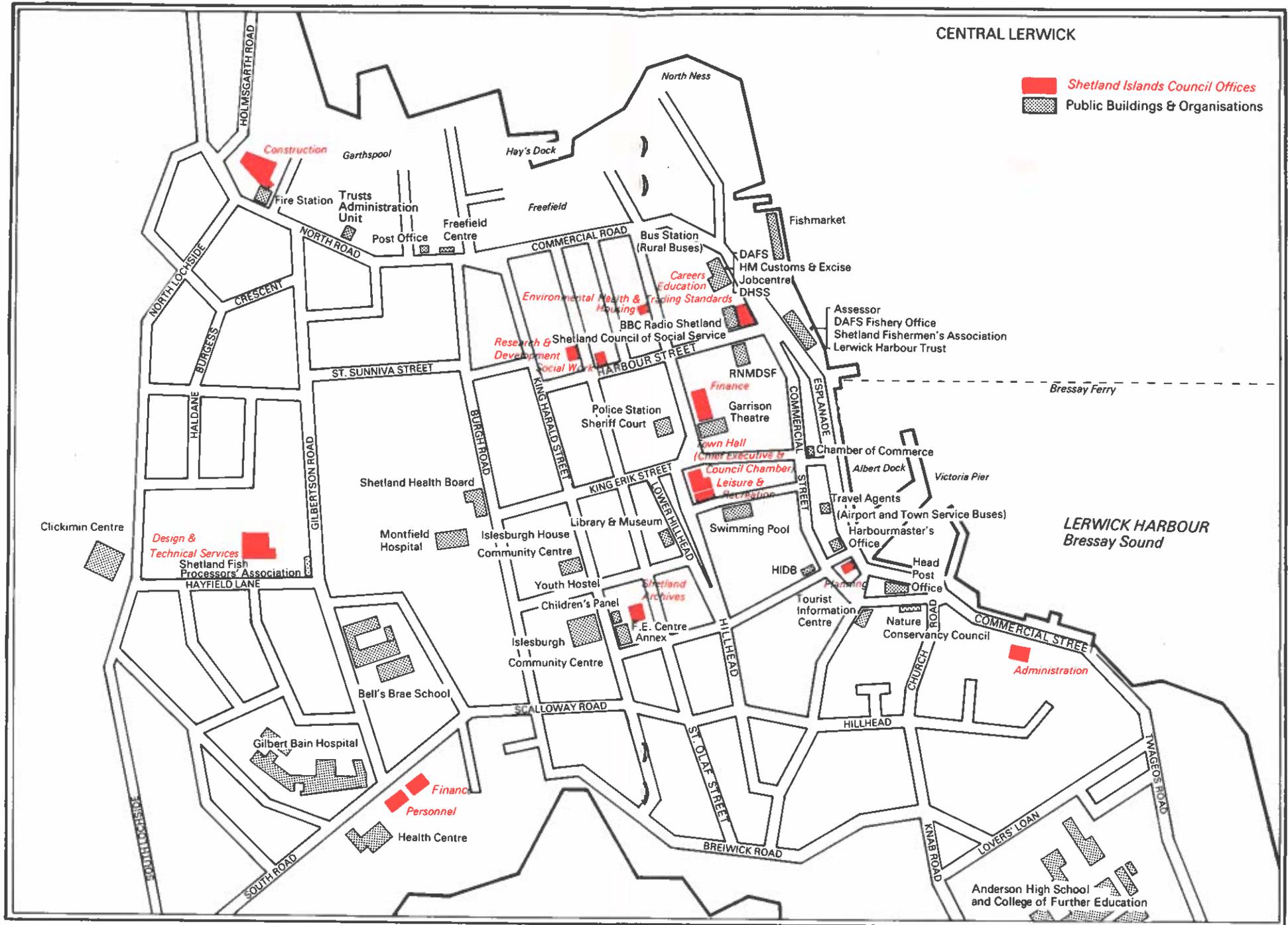
BP BP Petroleum Development Ltd.
HIDB Highlands and Islands Development Board

Industrial Sites



CENTRAL LERWICK

- Shetland Islands Council Offices
- ▨ Public Buildings & Organisations



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; all-over 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
1980	—	—	134	—	—	—	1,232
1981	—	—	131	—	—	—	1,200
1982	—	—	136	—	—	—	1,800
1983	111	52	163	30	43	73	1,800
1985	112	51	163	47	16	63	—*

*No accurate figures are available for this year, but it was estimated to be c. 2,000. The number employed in the industry in 1987 was estimated to be similar to the 1985 figures.

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 plagiarisation 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 1985 was estimated at about 300,000 kilos. A study of the industry is currently being undertaken and the results will be included in next year's Shetland in Statistics.

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.

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. A study of Shetland economy is currently being undertaken and figures for crafts will be published next year. Many of the craft businesses are represented at craft and trade fairs on the mainland.

Tourism

Accommodation capacity available to Shetland Tourist Organisation by bed spaces

Type of Accommodation	1982	1983	1984	1985	1986	1987
Lerwick Hotels	227	244	374	366	372	272
Country Hotels	350	347	323	346	310	334
Lerwick Guest Houses*	—	—	33	41	29	32
Country Guest Houses*	—	—	86	86	124	102
Lerwick Bed & Breakfast	108	78	61	75	71	68
Country Bed & Breakfast	234	131	52	119	107	136
Self Catering, Cottages, etc.	247	250	265	342	285	305
Caravans	115	46	21	30	39	41
Hostels	56	76	76	140	146	146
Camp Sites**	—	—	—	89	117	89
Total	1,337	1,174	1,291	1,634	1,600	1,525

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

Employment

	1978	1981	1983	1986
Hotels & Guest Houses	161	233	292	280
Bed & Breakfast Accommodation*	—	—	40	40
Self-catering, Cottages, etc.*	—	—	63	64
Total	—	—	395	384

*Mostly part-time employment

Tourist Enquiries and Bookings*

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

*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	1986	1987
Hotels	15	16	18	19	16	18
Guest House B&B	66	64	46	68	62	63
Self-catering	37	36	27	46	47	54
Hostels	4	4	2	4	5	5
Business & Trade	118	120	101	106	94	96
Camp Sites	—	—	—	4	5	3
Total	240	240	194	247	229	239

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
Seven Days	276	881	1,846	1,067	2,017	1,671
Midweek	1,085	858	1,170	952	1,866	1,393

Source: Shetland Tourist Organisation.

P&O Ferries Mini-Cruise Passengers

1981	1982	1983	1984	1985	1986	1987
1,982	2,389	2,108	1,746	1,897	1,768	1,691

Total Visitor Expenditure in Shetland

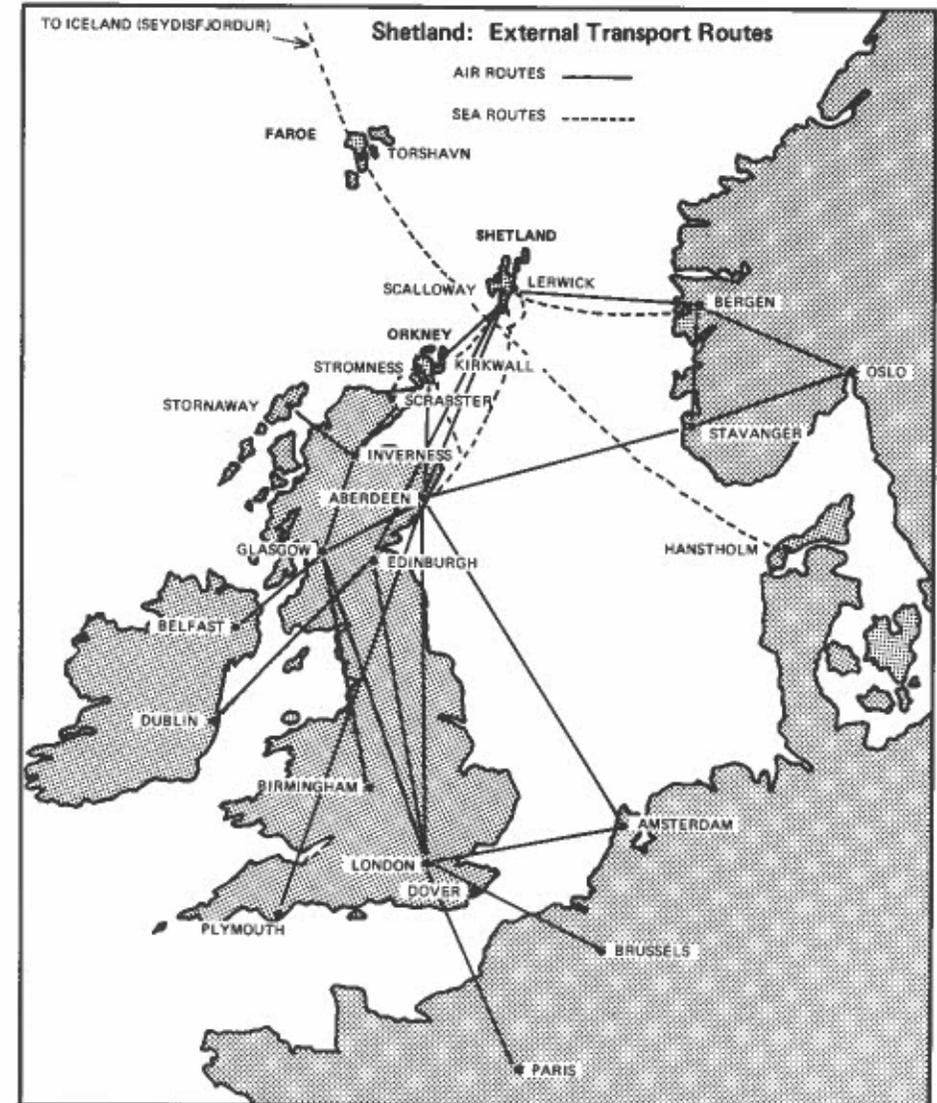
1982	1983	1984	1985	1986
£3.6 million*	£4.1 million''	£4.8 million''	£5.9 million''	£6.9 million''

Visitors include both tourists and business visitors and include accommodation, and any goods and services purchased while in Shetland. A new study is currently being undertaken and figures will be published in next year's Shetland in Statistics.

Source: *McNicol, I. H., Survey of the Shetland Economy, 1982-1983.
''Shetland Islands Council Estimate.

Cruise Liner Passengers

1981	1982	1983	1984	1985	1986	1987
3,564	4,900	3,820	5,399	5,790	6,279	4,930



Transport

Internal Air and Sea Transport

Location	Type of Transport	Type of Service	Surface Type and Dimensions of Airstrip
Unst	Air	S	Bituminous (640 x 28m)
Yell	SIC Vehicle Ferry	S	
Fetlar	Air	S	Soft Gravel (457 x 18m)
Skerries	SIC Vehicle Ferry	S	
Whalsay	Air	C	Grass (381 x 18m)
	SIC Vehicle Ferry	S	
Scatsta	Air	S	Rolled Gravel (Firm) (457 x 18m)
Bressay	SIC Vehicle Ferry	S	
Tingwall	Air	S & C	Bituminous (960 x 23m)
Sumburgh	Air	C	Tarmac (1,084 x 46m)
			Tarmac (1,426 x 46m)
			Tarmac (550 x 45m)
Fair Isle	Air	S	Rolled Gravel (Firm) (457 x 18m)
	Ferry	S	
Papa Stour	SIC Ferry	S & C	
Foula	Air	C	Soft Gravel (457 x 18m)
	Ferry	S	

S = Scheduled C = Charter All internal air services are operated by Loganair Ltd.

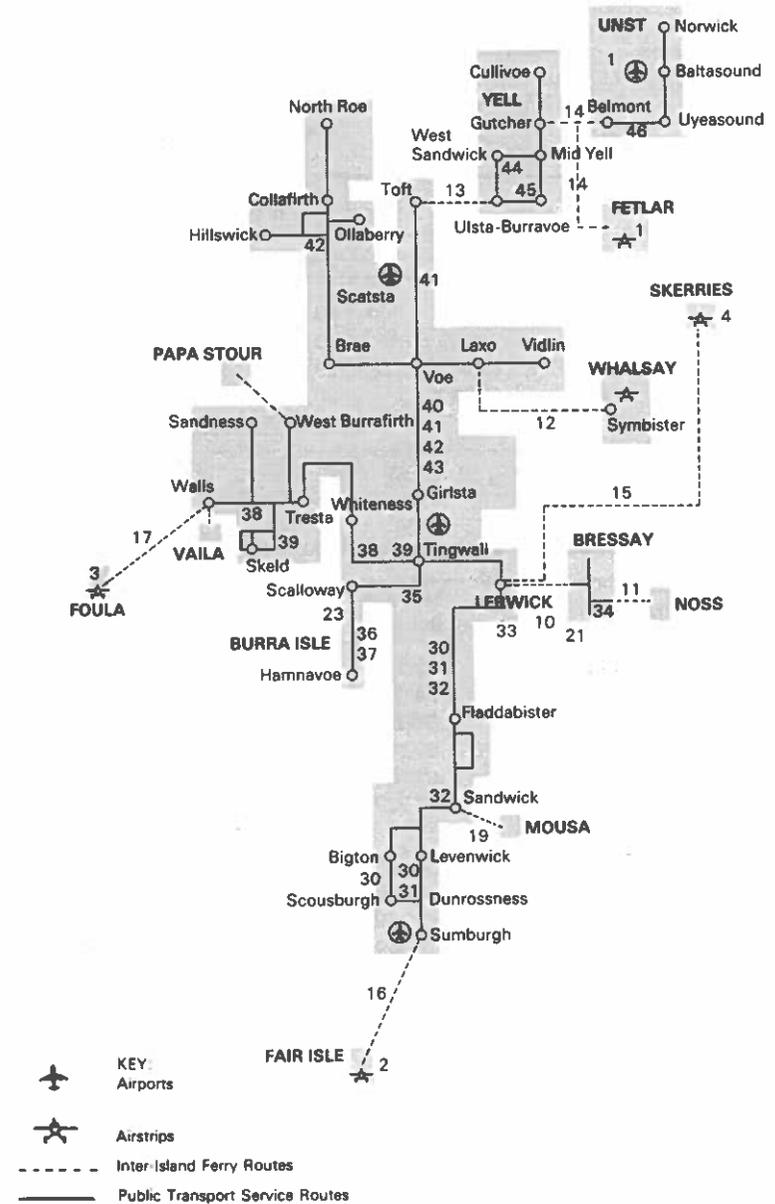
Bus Services

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 Bolts Coaches Bolts Coaches J. Watt & Son; Shalder Coachds J. Leask & Son J. Leask & Son Shalder Coaches
Lerwick Town Service:	J. Leask & Son
Yell: Ulsta-Gutcher-Cullivoe	R. Jamieson
Unst: Ulsta-Mid Yell-West Sandwick Belmont-Saxa Vord/Baltasound	A. Williamson 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	1983	1984	1985	1986	1987
Yell	71,192	59,160	82,557	96,364	83,694
Unst/Fetlar	39,669	31,952	51,331	40,605	47,774
Bressay	104,342	121,607	100,890	96,849	94,389
Whalsay	40,985	41,578	43,021	45,888	51,642

Vehicles

Ferry Route	1983	1984	1985	1986	1987
Yell	57,134	58,606	59,680	65,264	65,925
Unst/Fetlar	28,527	30,898	33,387	28,202	38,627
Bressay	30,381	32,647	29,954	31,958	33,462
Whalsay	25,897	27,382	30,740	31,660	34,011

External Ferries

P&O Ferries Services: Passengers and Accompanied Cars

	Passenger Journeys	Accompanied Car Journeys
1981	52,531	8,398
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*		
January	2,715	415
February	1,978	294
March	2,489	449
April	5,349	730
May	6,769	751
June	8,466	1,148
July	12,615	1,865
August	12,818	1,812
September	6,678	837
October	5,442	922
November	2,589	464
December	2,897	524
Total	70,805	10,211

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
Passengers	4,962	5,772	5,662	6,537
Vehicles	544	531	750	774

*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	1986	1987
Commercial Vehicles	18,157	16,624	18,814	14,368	11,203
Commercial Trailers	34,627	34,232	29,573	25,745	34,198
Unaccompanied Cars	5,218	4,575	4,687	4,512	5,123

*Running metres

Shipping in Lerwick Harbour

	1971	1981	1983	1985	1986	1987
General	316	418	451	639	625	653
HM Ships	41	62	60	48	31	18
Oil	51	140	106	135	105	95
Oil Rig Tenders	79	1,556	1,300	1,277	1,033	731
Other Vessels	448	480	582	710	455	403
British Fishing	1,440	677	772	1,302	1,762	1,536
Foreign Fishing	1,580	246	329	195	509	234
Yachts	n/a	112	181	242	203	253
Total	3,955	3,579	3,550	4,306	4,723	3,923

Foreign Fishing Vessels

	1971	1981	1983	1985	1986	1987
Bulgaria	—	—	—	6	3	3
Denmark	374	117	115	65	82	47
Faroe	242	14	21	8	3	10
France	16	13	22	16	13	8
Germany (West)	3	1	—	8	5	12
Germany (East)	—	—	18	11	9	17
Iceland	215	2	—	3	9	1
Ireland	—	—	—	—	18	4
Netherlands	12	—	8	8	16	12
Norway	551	96	143	66	306	92
Poland	1	2	—	—	—	—
Portugal	—	—	—	1	1	2
Sweden	100	1	1	—	5	4
USSR	60	—	1	3	39	22
Total	1,554	246	329	195	509	234

Total Tonnage Handled in Lerwick Harbour

(Weight of containers excluded)

	1971	1981	1983	1985	1986	1987
General Cargo Imports	45,760	200,077	271,197	235,041	207,502	185,210
General Cargo Exports	48,849	57,471	47,959	49,578	46,322	44,624
Oil Related Imports	342	288,999	220,971	300,314	235,456	214,092
Oil Related Exports	—	421,807	458,575	486,059	362,374	272,815
Total	94,951	968,354	998,702	1,070,992	851,654	716,741

Lerwick Harbour Trust Revenue

1971	1981	1983	1985	1986	1987
£49,000	£2,100,000	£2,600,000	£3,062,000	£3,451,000	£3,481,783

Shipping in Scalloway Harbour

	1985	1986	1987
British fishing	201	163	217
Foreign fishing	26	17	27
Frozen fish cargo vessels	22	20	33
Bulk tar vessels	4	5	6
Oil-related/stand-by	20	5	2
H.M. ships/Customs	0	0	6
General Cargo	53	75	69
Other vessels	2	0	6
Passenger ships/ferries	35	11	7
Fishery research	3	0	1
Yachts	14	9	17
Sail training ships	1	0	1
Total	381	305	392

Total Tonnage Handled in Scalloway Harbour: Imports

(Weight of containers excluded)

	1983	1984	1985	1986	1987
Fish	125	92	449	267	1,168
Salmon Feed	18	218	552	907	735
Miscellaneous Cargo	440	430	1,109	1,384	1,360
Bulk Tar	2,031	2,129	1,046	2,479	2,297
Total	2,614	2,869	3,156	5,037	5,560

Total Tonnage Handled in Scalloway Harbour: Exports

(weight of containers excluded)

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

U.K. Port Traffic 1986

Port	'000 tonnes*	% UK Total Traffic
1. Sullom Voe	57,184	12.6
2. London	53,667	11.9
3. Grimsby & Immingham	31,980	7.1
4. Tees & Hartlepool	30,695	6.8
5. Milford Haven	28,966	6.4
6. Forth	28,790	6.3
7. Southampton	25,737	5.7
8. Orkney	15,887	3.5
9. Felixstowe	10,808	2.4
10. Liverpool	10,688	2.4

Air Services

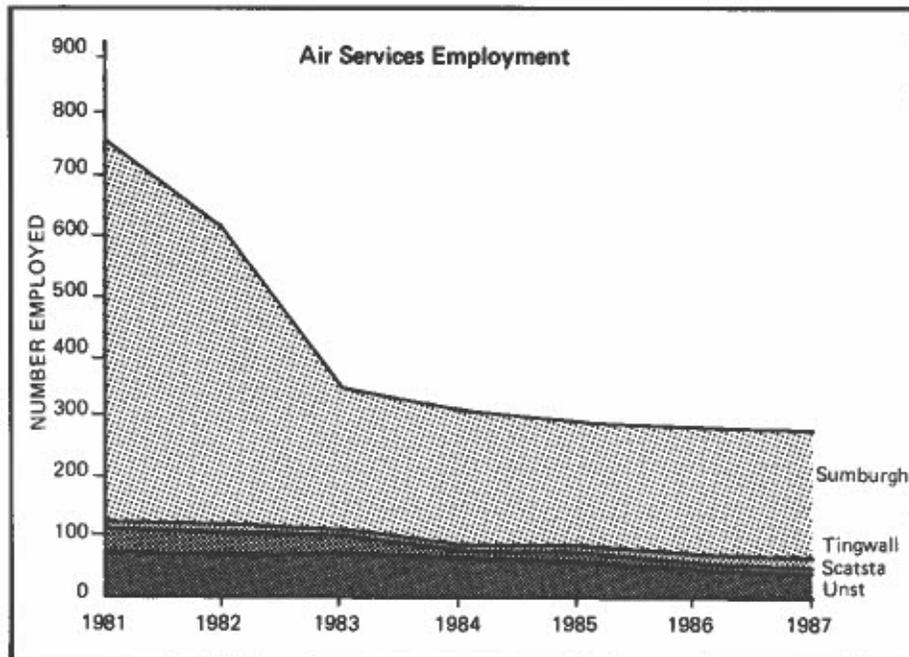
Total aircraft traffic at Sumburgh, Scatsta, Unst and Tingwall*

	1982	1983	1984	1985	1986	1987
Aircraft Movements	39,144	28,266	31,666	29,664	29,457	33,366
Passengers	546,485	378,408	384,465	369,434	367,053	417,470

*Includes all passengers on scheduled services

Employment

	1980	1981	1982	1983	1984	1985	1986	1987
Sumburgh	748	650	501	238	232	209	206	217
Tingwall	6	12	10	10	10	10	10	12
Scatsta	42	42	41	28	12	9	10	10
Unst	37	68	69	72	61	66	66	44
Total	833	772	621	348	315	294	292	283



Sumburgh Airport Traffic: Passengers and Freight

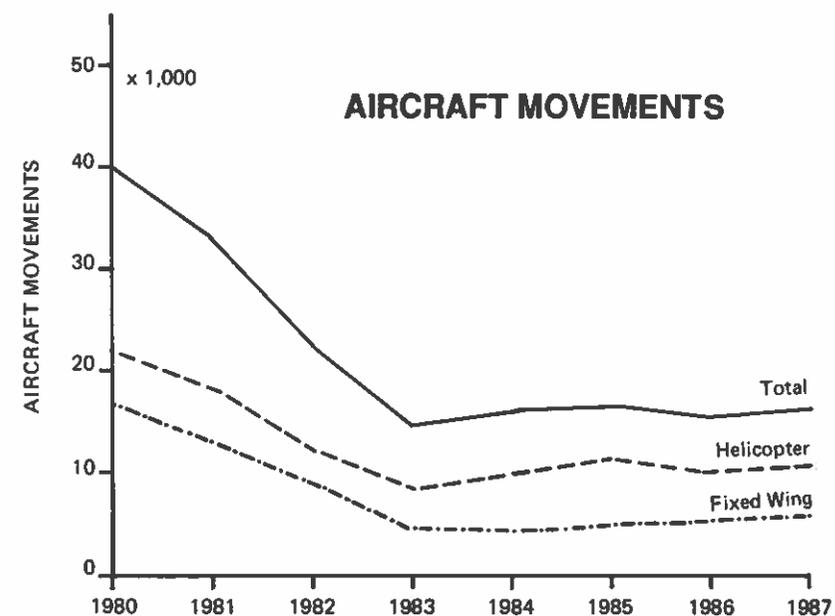
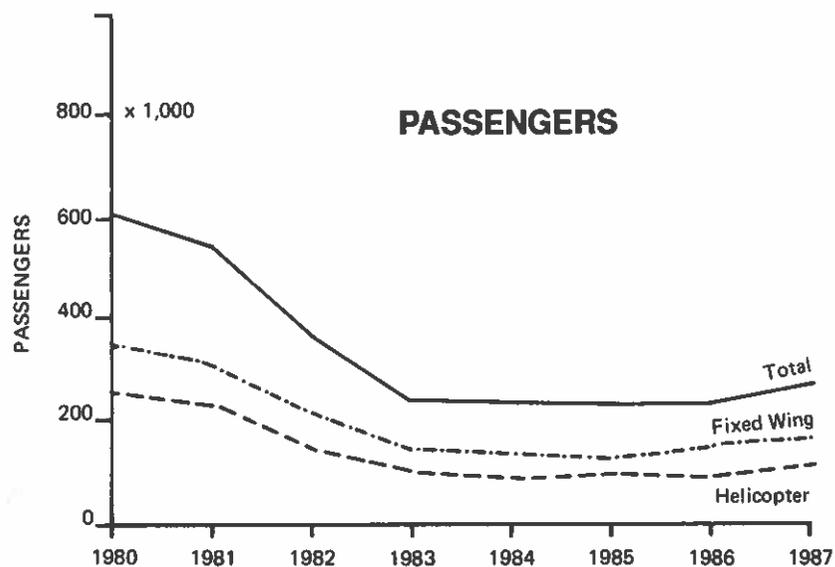
	Total Passengers	Fixed Wing Scheduled Passengers	Charter Passengers & Others	Helicopter Passengers	Freight (kgs)
1980	608,169	82,879*	269,480	256,810	3,801,467
1981	547,761	76,853	232,389	232,519	3,487,834
1982	367,307	70,543	141,871	154,893	2,176,402
1983	247,651	61,326	84,162	102,190	1,481,389
1984	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					
January	22,241	3,799	8,590	9,852	103,995
February	19,574	3,942	7,440	8,192	106,531
March	22,487	4,546	8,215	9,726	123,801
April	22,791	5,446	8,154	9,191	112,996
May	23,631	5,512	8,199	9,920	120,031
June	26,397	6,456	8,932	11,009	121,089
July	28,037	6,877	9,569	11,591	114,859
August	25,293	6,970	8,187	10,136	118,938
September	24,753	5,633	8,633	10,487	129,333
October	25,425	5,601	8,627	11,197	132,455
November	22,953	4,817	8,165	9,971	130,822
December	25,211	4,360	9,494	11,357	126,558
1987 Total	288,793	63,959	102,205	122,629	1,441,408

*Fixed Wing: Includes external and internal flights. Internal flights now operate through Tingwall Airport.

Sumburgh Airport: Aircraft Movements

	Total	Fixed Wing	Helicopter
1980	41,307	17,602	23,705
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			
January	1,452	463	989
February	1,161	415	746
March	1,365	457	908
April	1,301	475	826
May	1,460	468	992
June	1,661	555	1,106
July	1,636	548	1,088
August	1,452	461	991
September	1,486	476	1,010
October	1,617	479	1,138
November	1,404	434	970
December	1,523	491	1,032
1987 Total	17,518	5,722	11,796

Sumburgh Airport



Scatsta Airport Traffic

	1982	1983	1984	1985	1986	1987
Passengers	52,917	11,823	14,313	14,938	13,157	13,216
Aircraft Movements	3,933	2,556	2,593	2,548	2,232	1,982

Tingwall Airport Traffic

	1982	1983	1984	1985	1986	1987
Passengers	13,558	14,575	14,925	14,364	13,368	13,093
Aircraft Movements	2,966	3,291	3,322	3,344	3,333	3,337

Unst Airport Traffic: Passengers

	1982	1983	1984	1985	1986	1987
Fixed Wing	50,006	52,147	54,110	50,104	44,856	44,387
Helicopter	62,697	52,212	61,799	50,869	52,282	57,981
Total	112,703	104,359	115,909	100,973	97,138	102,368

Aircraft Movements

	1982	1983	1984	1985	1986	1987
Fixed Wing	2,486	2,400	2,338	2,158	2,052	2,566
Helicopter	6,347	4,764	5,426	4,610	6,540	7,963
Total	8,833	7,164	7,764	6,768	8,592	10,529

Small Airfield Traffic: Passengers

Airfield	1982	1983	1984	1985	1986	1987
Fair Isle	1,179	1,118	1,704	1,596	1,822	1,645
Fetlar	46	109	50	52	60*	58*
Foula	1,081	1,052	1,228	1,276	1,100*	1,158*
Skerries	330	520	603	554	624	706
Whalsay*	90	80	90	100	100	140

Aircraft Movements

Airfield	1982	1983	1984	1985	1986	1987
Fair Isle	434	408	478	426	480	458
Fetlar	56	53	44	38	40*	40*
Foula	288	290	364	344	304	320
Skerries	186	300	264	154	302	294
Whalsay	96	70	76	72	70	98

*Estimate

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.

47 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.	1 Tidal Flats	32.0 ha.
2 Beach/Sand Dune	201.3 ha.	11 Geological	1,030.3 ha.
2 Moorland Breeding Bird	962.1 ha.	3 Geomorphological	57.0 ha.

Total area covered by statutory conservation sites is 14,615.3 hectares (14,329.4 ha. in 1987), which represents 10.3 (10.2) per cent of the total area of Shetland.

Approximate coverage of each island or island group (1987 figure in brackets where changed):

Papa Stour	100%
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	0.35% (0.3%)

(Figures as at February 1988)

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	Nov 1982	June 1984	June 1986	June 1987
Shetland: Lerwick	112.0	109.4	107.9	107.7
*Remote	119.4	118.5	114.5	112.2
*Village A	118.3	115.4	113.4	114.2
*Village B	116.9	117.1	116.2	113.7
*Village C	119.8	116.9	114.5	112.7
Rural Average	110.6	109.0	107.3	106.4
Aberdeen	100.0	100.0	100.0	100.0
Edinburgh	—	102.3	100.8	100.9

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	1986	1987	1988
Shetland Islands Council	2,655	2,610	2,630	2,630	2,648	2,621
Private and Others	5,507	5,840	5,818	5,929	6,018	6,299
Scottish Special Housing Association	156	154	152	147	145	136
Total	8,328	8,604	8,600	8,698	8,811	9,056

Vehicle Ownership

Vehicles licensed in Shetland on 31st December

Type	1971	1981	1983	1985*	1987
Private Cars and Vans	3,600	7,048	7,054	7,584	7,876
Goods Vehicles					
(inc. Agricultural)	440	801	758	372	366
Buses and Coaches	138	164	158	183	188
Motor Cycles	350	545	385	391	356
Miscellaneous	652	831	915	964	983
Total	5,180	9,389	9,270	9,494	9,769

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	1988
Primary Teachers.....	91	117	164	150	143
Secondary Teachers.....	88	124	142	162	171
Further Education Teachers.....	2	4	9	13	18
Total.....	181	245	315	325	332

Primary Education

Primary School Rolls as at January each year

	1971	1976	1981	1986	1988
Baltasound Junior High.....	103	100	106	71	76
Mid Yell Junior High.....	56	76	65	53	54
Brae Junior High.....	44	68	171	170	181
Symbister House Junior High.....	125	149	146	121	123
Aith Junior High.....	67	63	52	77	72
Scalloway Junior High.....	120	136	150	138	128
Sandwick Junior High.....	44	81	96	65	71
Haroldswick Primary.....	38	33	21	30	26
Uyeasound Primary.....	21	27	16	8	4
Cullivoe Primary.....	21	23	24	24	23
Burravoe 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	35
Urafirth Primary.....	26	29	37	33	32
Mossbank Primary.....	0	0	136	117	108
Firth Primary.....	16	0	0	0	0
Olnafirth Primary.....	19	30	46	44	47
Lunnasting Primary.....	20	22	38	28	24
South Nesting Primary.....	16	14	26	21	18
Skerries Primary.....	16	12	11	8	7
Sandness Primary.....	6	7	15	21	21
Foula Primary.....	4	4	7	7	5
Papa Stour Primary.....	0	0	5	3	6
Happyhansel Primary.....	43	40	48	65	60
Gruting Primary.....	12	11	9	0	0
Skeld Primary.....	13	26	36	19	12
Whiteness Primary.....	31	56	87	68	79
Burra Primary.....	16	0	0	0	0
Hamnavoe Primary.....	64	65	107	110	105
Gott Primary.....	41	43	52	50	47
Cunningsburgh Primary.....	56	74	77	59	51
Dunrossness Primary.....	123	152	209	149	144
Fair Isle Primary.....	3	9	11	8	14
Quarff Primary.....	17	19	23	21	21
Bressay Primary.....	24	38	20	21	27
Bells Brae Primary.....	722	790	501	416	372
Sound Primary.....	0	0	292	400	369
Total.....	2,014	2,262	2,730	2,497	2,421

Secondary Education

Secondary School Roll at January each year

	1971	1976	1981	1987	1988
Anderson High.....	571	770	915	910	887
Baltasound Junior High.....	36	58	75	32	40
Mid Yell Junior High.....	43	58	48	50	51
Brae Junior High.....	47	68	164	246	217
Symbister House Junior High.....	36	54	62	42	53
Aith Junior High.....	35	65	61	65	68
Scalloway Junior High.....	72	129	132	157	156
Sandwick Junior High.....	55	87	121	133	121
Skerries School.....	2	6	5	9	8
Total.....	897	1,295	1,583	1,644	1,601

Further Education

Students Enrolled on Further Education Courses

	1976-77	1980-81	1984-85	1986-87	1987-88
Full Time	—	—	25	55	69
Day Release	22	70	52	62	38
Short Full Time	34	50	57	58	22
Evening Class	815	1,109	973	1,387	1,301
YTS	—	—	—	43	104

Social Work

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

	1984-85	1985-86	1986-87	1987-88
No. of Eventide Home Beds*.....	60	72	72	72
No. of beds in Hostel for Mentally Handicapped.....	6	6	6	12+
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	4	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	50,000	52,000	52,000
No. of Telephone Rentals Paid.....	—	256		
No. of Telephones newly installed or taken over...)	5	25		**
No. of Home Helps.....	320	303	308	300
No. of Home Help Clients.....	584	576	581	580

*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.

@ Bressay laundry opened in 1987.

**In 1987 a Community Alarm System based on telephone lines was installed. In early 1988 over 270 homes were connected to the system.

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	1984-85 £	1985-86 £	1986-87 £
Board Administration	433,556	450,560	472,511
Hospital Running Costs			
(a) Pay	2,136,515	2,246,441	2,475,519
(b) Supplies & Services	851,134	922,247	892,158
(c) Other Expenditure (labs etc.)	97,560	123,490	133,791
	3,085,209	3,292,178	3,501,468
Less direct credits	69,121	77,699	85,206
	3,016,088	3,214,479	3,416,262
Community Services (School & pre-school care, domiciliary services, health education etc.)	921,684	963,806	1,048,182
Associated services (travelling expenses, local health council)	19,025	23,681	16,136
Primary Care			
(a) Medical Services	717,290	772,101	980,019
(b) Pharmaceutical Services	639,047	660,694	824,380
(c) Dental Services	116,597	128,034	148,551
(d) Ophthalmic Services	63,328	58,224	69,084
	1,536,262	1,619,053	2,022,034
Total Revenue Expenditure	6,461,229	6,837,363	7,432,631

Hospitals

Name	Type	No. of Beds	Average % Occupancy			
			1984	1985	1986	1987
New Gilbert Bain	Acute & Maternity	73	59	64	64	67
Montfield *	Long Stay	87	96	96	98	98

*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

	1983	1984	1985	1986	1987
Number of General Practitioners	19	19	19	19	19
Number of Nursing Staff:					
Full Time	153	162	164	163	157
Part Time	145	86	90	109	88
Number of Hospital Doctors	6	6	6	6	6

New Gilbert Bain Hospital

	1983	1984	1985	1986	1987
Number of Casualties	2,598	2,728	2,785	2,793	5,517
Number of Out-Patients	23,303	24,800	24,281	24,221	21,163
Number of In-Patients	2,006	1,907	2,106	2,302	2,630

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:

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Launchings	14	6	14	10	17	12	21	14	12	9	21
Persons Rescued	8	8	0	14	6	14	13	6	4	2	7

Crime

The Shetland Sub-Division of the Northern Constabulary is run by the Northern Joint Police Committee, administered by the Highland Regional Council. The 1988-89 Requisition from the Shetland Islands Council was £764,000.

Number of Police Stations: 1988

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

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

Shetland Sub-Divisional Headquarters: 1 (Lerwick).

Police Manpower

	1971	1976	1981	1983	1984	1985	1986	1987	1988
	21	28	45	37	36	36	36	35	34

Number of Crimes and Offences reported to the police

	1982	1983	1984
Group 1: Non-sexual crimes against the person	34	18	24
Group 2: Crimes involving indecency	14	1	9
Group 3: Crimes involving dishonesty	350	306	376
Group 4: Fire-raising, malicious & reckless conduct	184	171	147
Group 5: Other crimes	56	44	77
Group 6: Miscellaneous	375	311	403
Group 7: Offences relating to motor vehicles	892	743	965
Total	1,905	1,594	2,001

	1985	1986	1987
Group 1: Non-sexual crimes against the person	19	24	17
Group 2: Crimes involving indecency	15	2	4
Group 3: Crimes involving dishonesty	346	345	319
Group 4: Fire-raising, malicious & reckless conduct	177	133	173
Group 5: Other crimes	75	71	45
Group 6: Miscellaneous	323	286	342
Group 7: Offences relating to motor vehicles	773	926	866
Total	1,728	1,787	1,766

In 1987, the Northern Constabulary Shetland Sub-Division achieved a crime detection of 90.4%, compared with 91.4% in 1986.

Fire Service

The Fire Service in Shetland is run by the Highlands and Islands Fire Board, administered by Highland Regional Council. The 1988-1989 requisition from Shetland Islands Council was £397,690.

Number of Fire Units in Shetland, 1987

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
Total	242	

Number of fires attended

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

Postal Services

Employees, Post Office

	1977	1981	1983	1985	1986	1987
Full Time Postal Staff	66	71	75	73	66	65
Part Time Postal Staff	23	21	17	17	19	18
Sub Postmasters	56	55	54	54	54*	54**
Ancillary Staff	10	11	11	11	13	12
Total	155	158	157	155	152	149

*Includes 5 part time Sub Postmasters

**Includes 10 part time Sub Postmasters

No of Letters Posted Weekly

1972	1977	1981	1983	1985	1986	1987
49,866	52,602	69,400	76,682	59,230	56,000	69,271

No. of Television Licences

	1972	1977	1981	1983	1985	1986	1987
Mono	4,574	5,399	1,430)				
Colour	0	64	5,217)*				
Total	4,574	5,463	6,647	6,635	6,228	6,480	6,910

* 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
Domestic		Breakdown of consumers in		9,741	9,975
Farms		current categories available		55	67
Industrial		from 1985 only.		1	1
Construction				4	15
Other Commercial				880	899
Miscellaneous				12	47
Total	7,169	10,211	10,453	10,693	11,004

Electricity Generation

	1982-83	1984-85	1986-87	1987-88
Units generated (kilowatt hours)	138,169,533	135,177,120	148,697,310	153,341,750
Maximum demand (megawatts)	31.00	28.50	30.50	33.10

Distribution (all figures: distance in kilometres)

	1971	1981	1983	1985	1987
33,000 Volt overhead lines	24.7	98.0	100.3	128.2	114.8
33,000 Volt underground cables	0.0	3.7	5.9	11.6	11.6
11,000 Volt overhead lines	705.9	756.2	781.4	799.3	817.7
11,000 Volt underground cables	15.1	65.5	83.2	90.3	93.6
Low Voltage overhead lines	340.1	345.6	346.4	342.7	336.1
Low Voltage underground cables	18.9	65.6	83.3	92.9	107.2

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
Total	3,419	8,325	8,405	8,562

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.

Shetland Islands Council:

Members (May 1986 to May 1990)

Ward	Councillor
1. Lerwick Sound	John J. Graham, 26 King Harald Street, Lerwick, ZE1 0DJ. (Shetland Movement) (Electorate 987. Returned unopposed)
2. Lerwick Clickimin	Dr. Thomas M.Y. Manson, 93 Gilbertson Road, Lerwick, ZE1 0QJ. (Shetland Movement) (Electorate 742. 216 votes; 39% poll; 74% of total votes cast)
3. Lerwick North	Leonard G. Groat, 10 Voder View, Lerwick, ZE1 0QE. (Labour) (Electorate 993. 328 votes; 59% poll; 56% of total votes cast)
4. Lerwick Central	William A. Smith, 14 Bruce Crescent, Lerwick, ZE1 0PB. (Labour) (Electorate 744. Returned unopposed)
5. Lerwick Harbour	Edward Thomason, 14 Mounthooly Place, Lerwick ZE1 0BL. (Shetland Movement) (Electorate 659. Returned unopposed)
6. Lerwick Twageos	James J. Paton, 14 Water Lane, Lerwick ZE1 0AG (Labour) (Electorate 702. 281 votes; 57% poll; 71% of total votes cast)
7. Lerwick Breiwick	Cecil B. Eunson, 68 Breiwick Road, Lerwick, ZE1 0DE. (Electorate 684. 203 votes; 49% poll; 61% of total votes cast)
8. Unst	Mrs. Elisabeth Nicolson, 16 Nikkavord Lea, Baltasound, ZE2 9XL. (Electorate 713. 186 votes; 61% poll; 43% of total votes cast)
9. Yell North & Fetlar	David J. Johnston, Moreview, Gutcher, Yell, ZE2 9DF. (Electorate 330. Returned unopposed)
10. Yell South	Robert S. Gray, Sunnylea, Burravoe, Yell, ZE2 9BA. (Electorate 607. 152 votes; 58% poll; 44% of total votes cast)
11. Northmavine	Christopher J. Dowle, Ronas Voe, Ollaberry, ZE2 9RX. (Labour) (Electorate 616. 238 votes; 51% poll; 76% of total votes cast)
12. Delting North	Miss Andrea Manson, Olna, Brae, ZE2 9QS (Electorate 953. 319 votes; 49% poll; 68% of total votes cast)
13. Delting South	Dr. James A. Hunter, Kohima, Gott, ZE2 9SG. (Electorate 420. Returned unopposed)
14. Nesting & Lunnasting	Peter B.A. Hunter, 27 Market Street, Lerwick, ZE1 0JP. (Electorate 365. Returned unopposed)
15. Bressay	James C. Irvine, 20 Twageos Road, Lerwick, ZE1 0BB. (Electorate 257. 135 votes; 76% poll; 69% of total votes cast)
16. Scalloway	William A. Anderson, The Sea Chest, East Voe, Scalloway, ZE2 0US. (Electorate 805. Returned unopposed)
17. Tingwall, Whiteness & Weisdale	Alexander Arthur, Schoolhouse, South Nesting, ZE2 9PP. (Electorate 769. 194 votes; 58% poll; 43% of total votes cast)

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

* By-election on 21st May 1987.

Rating and Valuation

	Non-Domestic	Rate per £ Domestic	Water	Total Rateable Value £
1976-1977	140p	113p	20p	463,641
1977-1978	161p	130p	25p	584,996
1978-1979*	45p	42p	10p	6,234,214
1979-1980	50p	47p	11p	15,529,780
1980-1981	75p	72p	14p	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	65,963,330
1986-1987	59p	52p	3.5p	58,500,000
1987-1988	59p	52p	3p	66,248,965
1988-1989	108p	101p	7.5p	46,840,000

* Revaluation: 1st April 1978 and 1985

Committees

Convener: Edward Thomason
Vice-Convener: William Tait

Committee	Chairman	Vice-Chairman
Chairmen's	Edward Thomason	William Tait
Development	William A. Anderson	James L. B. Smith
Education	William A. Smith	John J. Graham
General Services	Robert S. Gray	Mrs. Florence B. Grains
Housing	William A. Cumming	James J. Paton
Leisure & Recreation	Dr. T.M.Y. Manson	Cecil B. Eunson
Policy & Resources	William Tait	Leonard G. Groat
Ports & Harbours	David J. Johnston	Miss Andrea Manson
Roads & Transport	James C. Irvine	Henry A. Stewart
Social Work	Dr. J.A. Hunter	Peter B. A. Hunter

Departments

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

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

	1987-1988		1988-1989	
	(Net) Revenue Expenditure £000	Capital Expenditure £000	(Net) Revenue Expenditure £000	Capital Expenditure £000
Development	731	112	778	191
Leisure & Recreation	986	92	1,043	-
Education	17,145	811	18,103	1,202
General Services:				
Cleansing	842	70	778	68
Sewerage	781	605	833	267
Other	952	141	1,163	316
Housing	963	4,102	994	7,010
Ports & Harbours	-	771	-	386
Policy & Resources:				
Police & Fire	1,114	-	1,190	-
Capital Fund	5,478	-	2,908	-
Housing Capital Fund	5,200	-	-	-
Unallocated Reserve				
Fund Contributions	(2,032)	-	(3,270)	-
Other	596	382	601	776
Roads & Transport:				
Roads	7,356	3,649	8,142	2,189
Ferries	2,319	509	2,614	1,553
Other Transport	444	34	481	79
Social Work	2,518	87	2,605	156
Water	307	101	-	346
Contingency Reserve	390	-	1,994	-
SUB-TOTAL	46,090	11,466	40,957	14,539
Revaluation reimbursements	-	-	21,989	-
Total	46,090	11,466	62,946	14,539
Source of Finance for Revenue Expenditure				
	1986-87		1987-88	
	£000		£000	
Rates	34,504		50,523	
Rate Support Grant	10,926		11,723	
Interest on Revenue				
Balances	660		700	
Total	46,090		62,946	

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: T. Black, 10 Voeseide, Bressay. ZE2 9EN. 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.
Deltig	Chairman: A. Cooper, Linga, Mossbank, ZE2 9RB. Clerk: Mrs V. Clark, Braehead, Mossbank, ZE2 9RB. Sullom Voe 242282
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: Mrs E. Manson, 2 Bellevue Park, Lerwick, ZE1 0BA Lerwick 2940
Northmavine	Chairman: Miss A. Irvine, Laarsund, Hillswick, ZE2 9RW. Clerk: Mrs E. Manson, Murrion, Eshanness, 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, Gremisier, 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.

History	£
Anderson, P.D.	Robert Stewart: Earl of Orkney, Lord of Shetland. 1533-1593 15.00
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 2.50
Irvine, J.W.	The Dunrossness Story (Out of Print)
Laing, L.	Orkney & Shetland. An Archaeological Guide (Out of Print)
Smith, B. (ed)	Shetland Archaeology. 15.00
Smith, H.D.	Shetland Life and Trade, 1550-1914 20.00
Thompson, P (and others)	Living the Fishing 8.95
Witherington, D.J. (ed)	Shetland and the Outside World. 1469-1969 (Out of Print)

General Interest

	£
Balneaves, E.	The Windswept Isles 9.00
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 4.50
Fenton, A.	The Northern Isles, Orkney and Shetland 20.00
Gear, S.	Foula. Island West of the Sun 8.50
Graham, J.J.	The Shetland Dictionary
Gronneberg, R. (ed)	Island Futures (Out of Print)
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 (Out of Print)
Irvine, J.W.	Up-Helly-Aa. A Century of Festival 5.00
Irvine, J.W.	Lerwick. The Birth and Growth of an Island Town (Out of Print)
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 (Out of Print)
Knox, S.	The Making of the Shetland Landscape 18.00
Lerwick Community Council	Lerwick Town Hall. A Guide 1.50
Marwick, E.	The Folklore of Orkney & Shetland 6.95
Nicolson, J.R.	Hay & Company. Merchants in Shetland 7.95
Nicolson, J.R.	Lerwick Harbour (Out of Print)
Nicolson, J.R.	Shetland 9.95
Nicolson, J.R.	Shetland Folklore 8.75
Nicolson, J.R.	Traditional Life in Shetland 7.95
Peterson, J.	Shetland Notebook No. 2 (Photo Collection) 7.50
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. A Tourist's Guide 1.00
Shetland Tourist Organisation	Shetland Holiday Planner 0.50
Shetland Tourist Organisation	Guide to Unst, Fair Isle, Foula, Whalsay & Skerries Free
Smith, H.D.	The Making of Modern Shetland (Out of Print)
Waterson, G. & Jones, J.	Fair Isle, A Photographic History 4.95
Wilson, George Washington	Orkney and Shetland (Photo Collection) 3.00

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 (Out of Print)
Holloway, J.F. & Thorne, R.	The Birds of Fair Isle (Out of Print)
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 (Out of Print)
Tulloch, R.	Bobby Tulloch's Shetland 14.95
Tulloch, R. & Hunter, F.	A Guide to Shetland Birds (Out of Print)

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 -

Knitting

	£
Don, S.	The Art of Shetland Lace 7.95
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 (Out of Print)
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

Length	
miles: kilometres	1.6093
yards: metres	0.9144
feet: metres	0.3048
inches: millimetres	25.4
inches: centimetres	2.54
Area	
square miles: square kilometres	2.59
square miles: hectares	258.999
acres: square metres	4046.86
acres: hectares	0.4047
square yards: square metres	0.8361
square feet: square centimetres	929.03
square inches: square millimetres	645.16
square inches: centimetres	6.4516
Volume	
cubic yards: cubic metres	0.7646
cubic feet: cubic metres	0.0283
cubic feet: cubic decimetres	28.3168
cubic inches: cubic centimetres	16.3871
Capacity	
gallons: cubic decimetres	4.5461
gallons: litres	4.546
quarts: litres	1.137
pints: litres	0.568
Velocity	
miles per hour: kilometres per hour	1.6093
feet per second: metres per second	0.3048
inches per second: millimetres per second	25.4
Mass	
tons: kilograms	1016.05
tons: tonnes	1.0160
hundredweights: kilograms	50.8023
stones: kilograms	6.3503
pounds: kilograms	0.4536
ounces: grams	28.3495