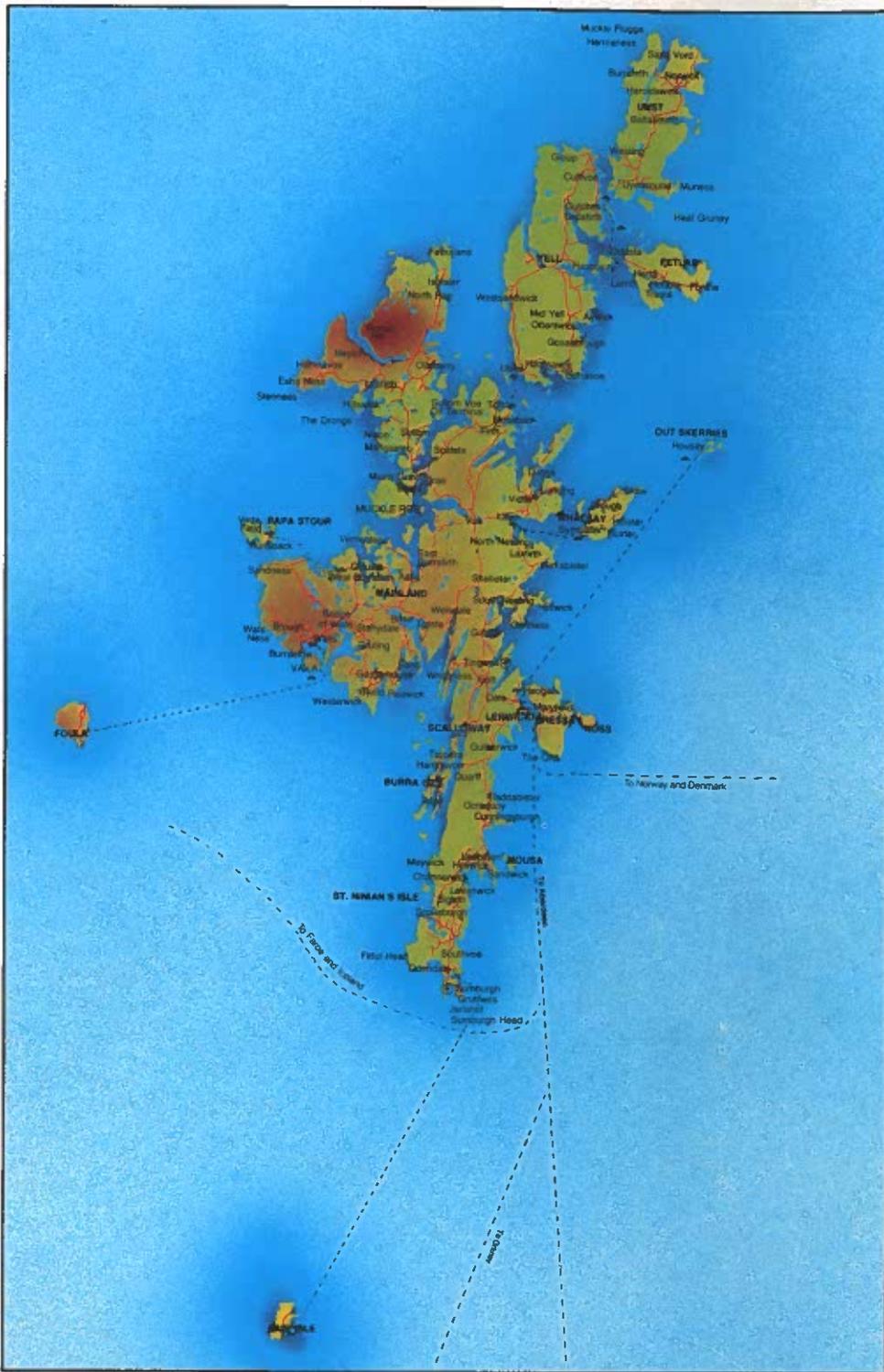




Shetland in Statistics



Map supplied by Shetland Tourist Organisation



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Cover photo: Holiday bus arriving in Shetland.
Photo courtesy of Shetland Tourist Organisation.

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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.

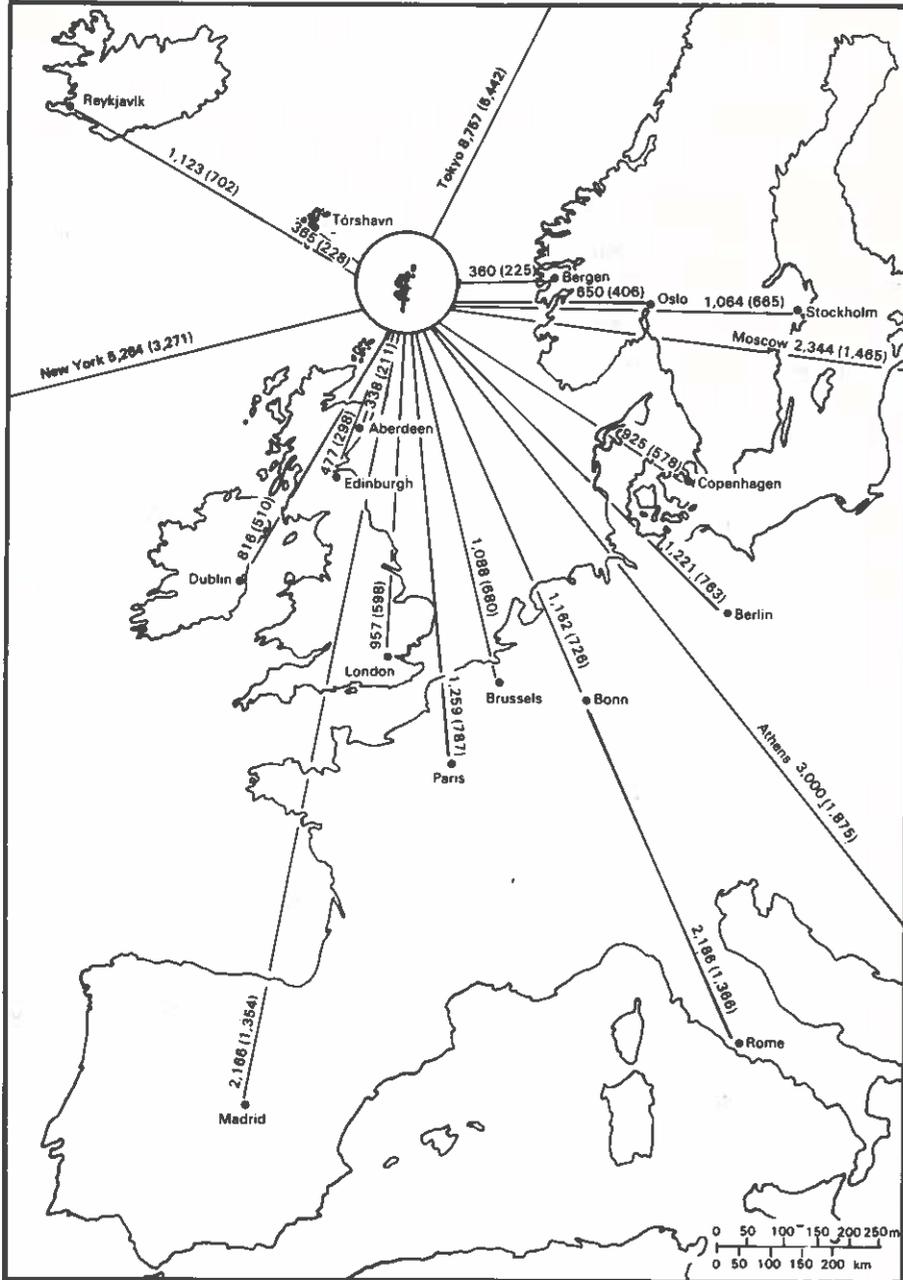
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Shetland: Location

Lerwick is Lat 60° 9' N and 1° 9' W

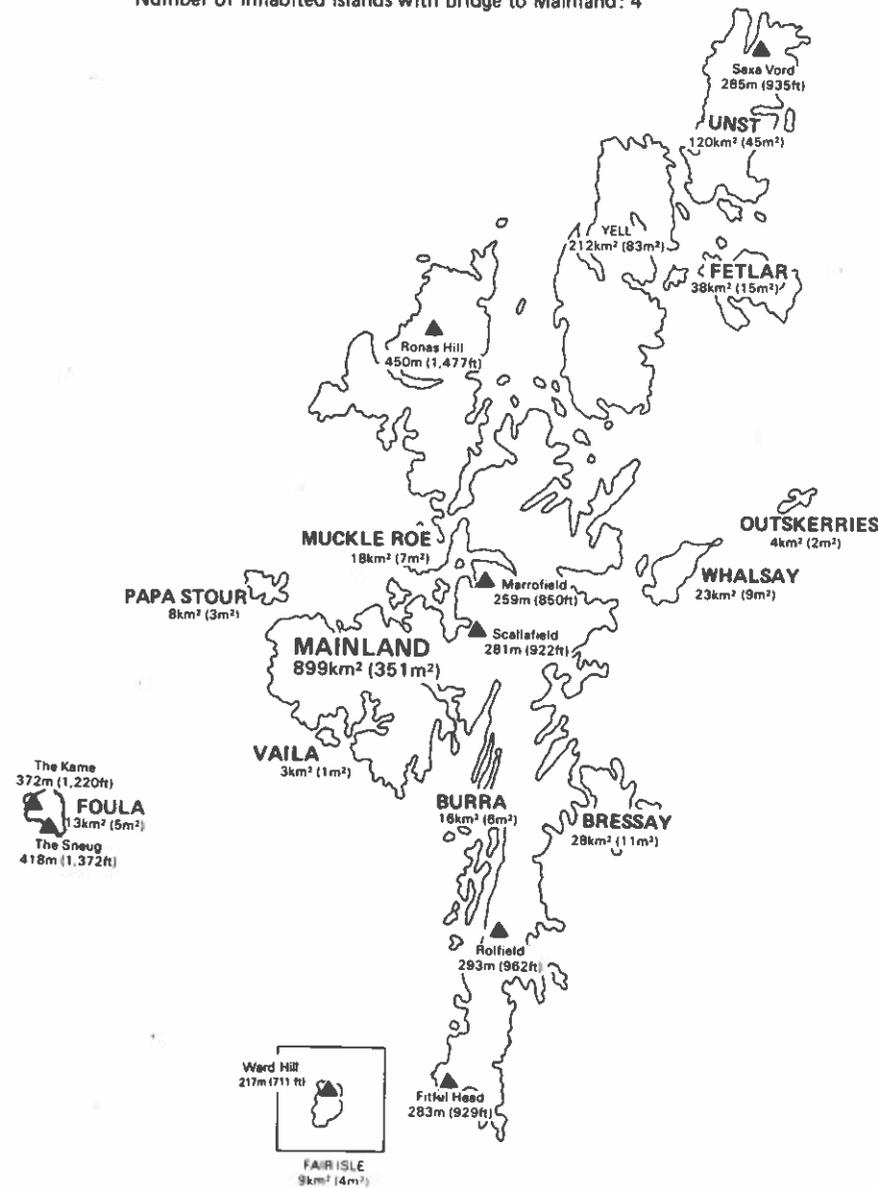
Approximate distances from Shetland
in kilometres (statute miles)



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. Fyynn, 1975 estimate

Number of islands: 100 +
Number of inhabited islands with bridge to Mainland: 4



Distance by road in kilometres (miles) from Lerwick

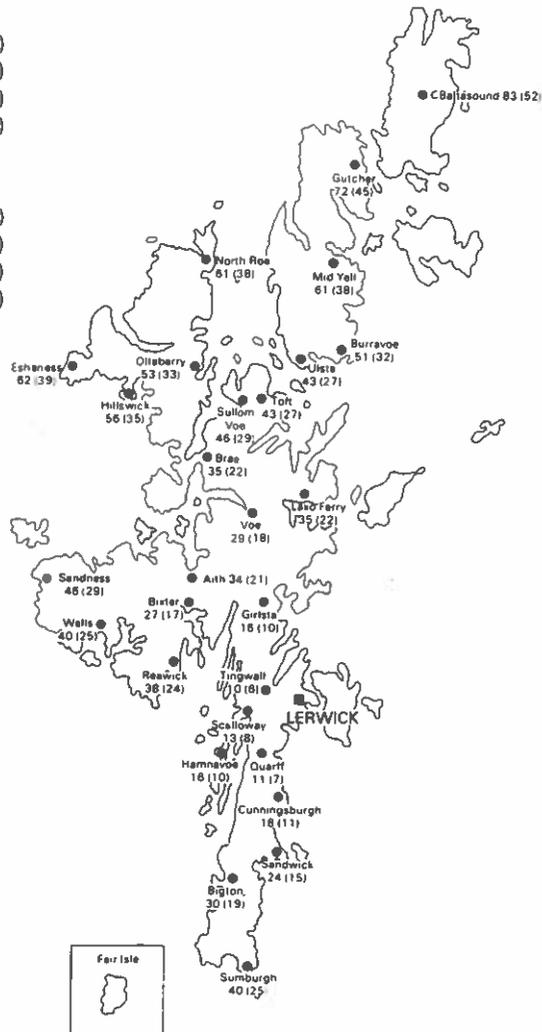
Aith	34(21)	Laxo Ferry	35(22)	Scalloway	13(8)
Bigton	30(19)	Levenwick	28(18)	Skeld	40(25)
Bixter	27(17)	Mossbank	43(27)	Sullom Voe	46(29)
Brae	35(22)	North Roe	61(38)	Sumburgh	40(25)
Cunningsburgh	18(11)	Ollaberry	53(33)	Tingwall	10(6)
Eshaness	62(39)	Quarff	11(7)	Toft Ferry	43(27)
Girlsta	16(10)	Quendale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

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)



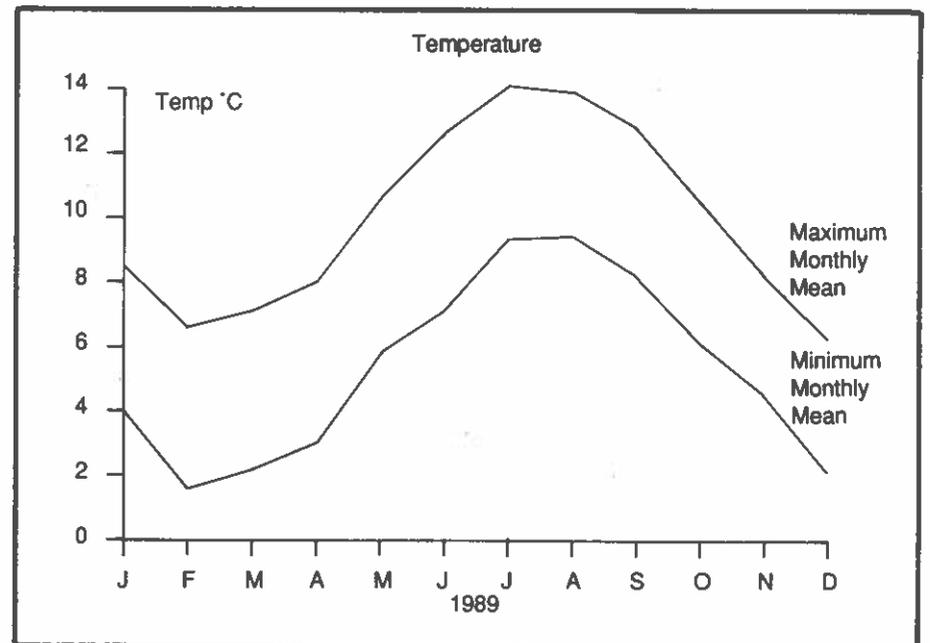
Climate

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 1989 are as follows:

Temperature (degrees C)

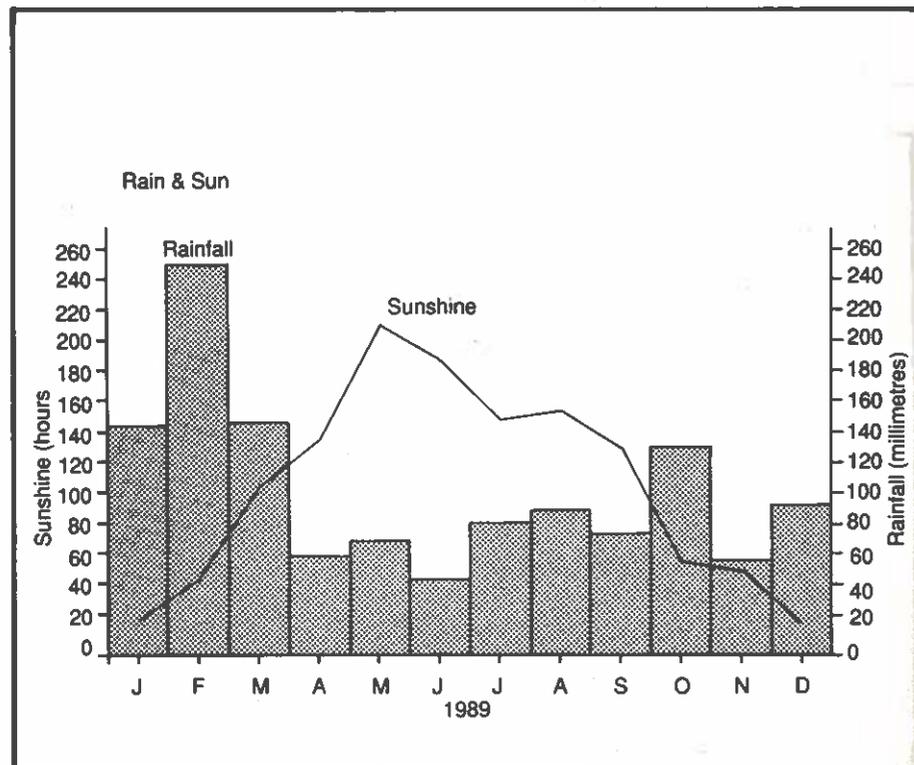
	1989		1951-80		Extreme daily values (1922-1989)	
	monthly mean		monthly mean			
	Max.	Min.	Max.	Min.	Max.(Year)	Min.(Year)
Jan	8.5	4.1	5.1	1.0	11.7('32,'50)	-8.9('52,'59)
Feb	6.6	1.6	4.9	0.7	11.7('45)	-7.3('80)
Mar	7.1	2.2	6.0	1.7	13.3('61)	-8.3('47)
Apr	8.0	3.0	7.8	2.6	16.1('42)	-5.7('68)
May	10.6	5.8	10.0	5.0	19.4('54)	-2.8('23)
Jun	12.7	7.1	12.5	7.4	23.3('58)	-0.6('24,'29,'31,'51)
Jul	14.1	9.3	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	8.2	12.5	8.1	19.4('53)	-0.6('54)
Oct	10.5	6.1	10.3	6.3	17.2('55)	-3.3('48)
Nov	8.2	4.5	7.4	3.3	13.9('46)	-5.7('62)
Dec	6.2	2.1	6.0	1.8	12.2('48)	-8.2('61)
Year	9.9	5.3	9.2	4.7		



Monthly totals

	Sunshine (hours)		Rainfall (millimetres)	
	1989	Extreme daily values (1921-1989)	1989	Extreme daily values (1921-1989)
Jan	17.8	(23.1)	6.6	('39)
Feb	42.5	(54.2)	9.8	('40)
Mar	100.7	(84.0)	11.6	('64)
Apr	136.4	(135.1)	14.8	('26)
May	209.3	(152.2)	16.2	('40, '57, '80)
Jun	189.3	(158.5)	17.4	('34)
Jul	146.1	(124.9)	16.6	('35)
Aug	156.1	(117.8)	15.1	('38)
Sep	130.2	(95.3)	12.6	('43)
Oct	56.4	(63.5)	10.1	('37)
Nov	48.6	(32.8)	6.8	('67)
Dec	12.8	(14.9)	5.1	('57)
Year	1,246.2	(1,056.3)	1,226	(1,177)

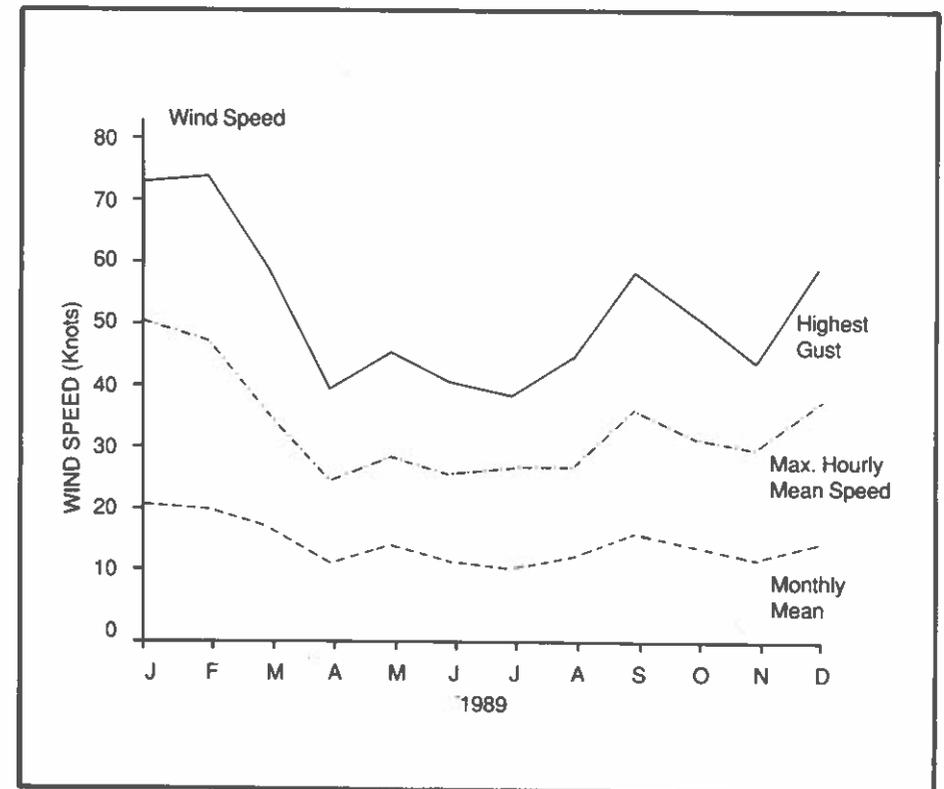
Figures in brackets are 1951-1980 averages.



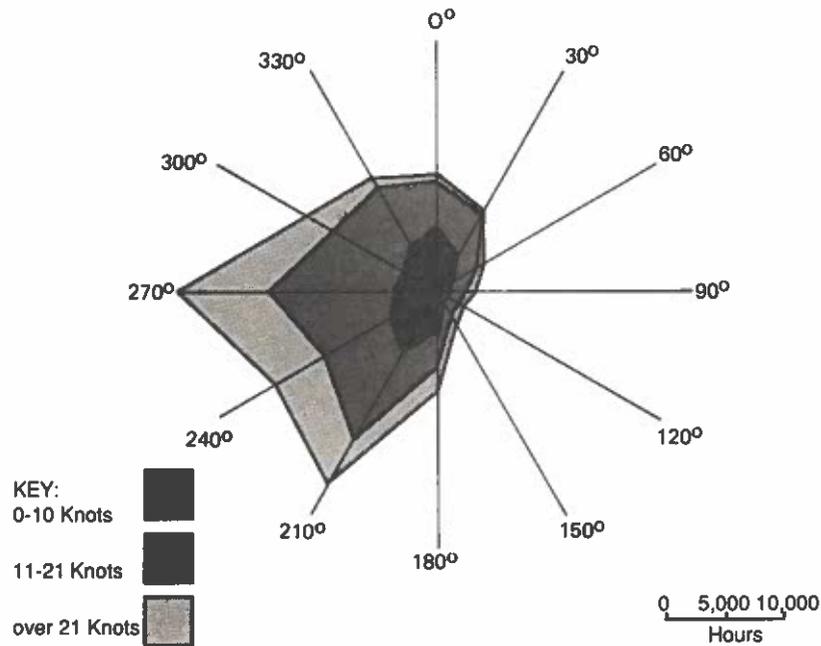
Wind Speed (knots)

	Max hourly mean speed							
	monthly mean		1922-1989			Highest Gust 1922-1989		
	1989	1951-1985	1989	Dir	Year	1989	Dir	Year
Jan	21.5	(16.9)	51	(64 360	'53)	74	(95 220	'61)
Feb	20.8	(15.4)	48	(56 230	'81)	75	(83 280	'43)
Mar	16.6	(15.9)	36	(56 220	'57)	60	(83 220	'57)
Apr	11.2	(13.3)	25	(53 240	'67)	60	(77 240	'67)
May	14.5	(11.9)	29	(55 250	'57)	40	(78 250	'57)
Jun	11.7	(11.7)	26	(44 100	'82)	46	(65 110	'82)
Jul	10.8	(11.3)	27	(42 260	'55)	41	(61 260	'55)
Aug	12.8	(10.9)	27	(40 030	'40)	39	(61 290	'64)
Sep	15.1	(13.2)	37	(50 240	'23)	45	(71 240	'23)
Oct	14.1	(15.0)	32	(59 210	'78)	58	(87 260	'63)
Nov	12.7	(15.4)	30	(58 230	'65)	52	(90 250	'80)
Dec	14.6	(16.9)	37	(51 220	'38)	44	(80 280	'36)
				(51 240	'73)		(80 220	'38)
				(58 260	'49)	59	(90 220	'56)

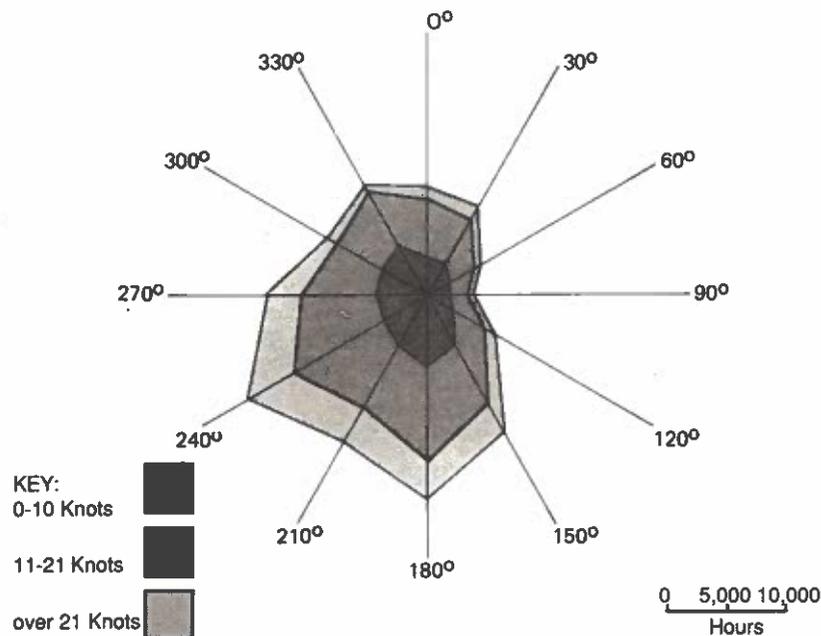
(Lerwick Observatory: 60 08'N, 01 11'W. Wind vane 93m above sea level).



Wind Direction & Speed: 1989



Wind Direction & Speed: 1970-86



No. of days in 1989 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Fog	Rain
Jan	10 (14.3)	0 (10.3)	0 (0.8)	11 (7.9)	1 (0.5)	28 (26)
Feb	17 (11.1)	2 (9.9)	3 (0.7)	11 (4.7)	0 (0.4)	28 (20)
Mar	14 (11.9)	5 (7.2)	1 (0.3)	3 (5.4)	0 (1.0)	27 (21)
Apr	9 (7.4)	6 (4.7)	0 (0.1)	0 (1.8)	0 (1.5)	13 (19)
May	4 (2.3)	0 (0.6)	0 (0.1)	0 (0.9)	0 (2.2)	24 (17)
Jun	1 (0.1)	0 (0.0)	1 (0.3)	0 (0.6)	1 (2.5)	17 (16)
Jul	0 (0.0)	0 (0.0)	1 (0.4)	0 (0.4)	4 (3.0)	19 (17)
Aug	0 (0.0)	0 (0.0)	1 (0.3)	0 (0.5)	2 (2.8)	24 (17)
Sep	0 (0.1)	0 (0.0)	1 (0.1)	4 (2.4)	0 (2.2)	23 (20)
Oct	0 (1.4)	0 (0.5)	1 (0.2)	1 (4.6)	0 (1.6)	23 (22)
Nov	3 (8.3)	0 (4.4)	0 (0.9)	0 (5.5)	0 (0.2)	20 (25)
Dec	9 (12.2)	9 (8.1)	0 (0.5)	2 (7.9)	0 (0.6)	24 (25)
Year	67 (69.0)	22 (45.8)	9 (4.6)	32 (42.5)	8 (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 09H GMT.

Extreme Values 1989

Temperature (deg. C.)

Max. Temp.	4th July	20.5
Min. Temp.	16th December	-5.5

Sunshine (hours)

Sunniest Day	18th June	16.5
Sunniest Month	May	209.3

Rainfall (millimetres)

Wettest Day	23rd February	36.7
Wettest Month	February	249.9
Driest Month	June	42.4

Wind Speed (knots)

Highest Gust	29th January	75
Windiest Month	January	21.5 (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 29th December 1989 (based on NHS registrations) was 23,214.

1989

In-migrants.....	924	Births.....	289
Out-migrants.....	897	Deaths.....	180

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

	1931	1951	1961	1971	1981	1987	1989**
Unst.....	1,341	1,112	1,151	1,127	1,004	974	1,000
Yell.....	1,883	1,483	1,152	1,143	1,213	1,114	1,060
Fetlar.....	217	161	127	88	96	96	88
Whalsay.....	900	859	764	870	1,047	1,023	1,036
Skerries.....	110	127	108	100	92	85	89
Mavis Grind - North.....	1,343	1,054	816	696	748	771	805
Delting.....	958	863	701	674	2,755	2,877	2,732
Nesting.....	822	563	434	380			
Tresta - Bridge of Walls....	1,562	1,225	957	873	1,059	950	979
West of Bridge of Walls.....	884	687	561	483	592	550	558
Foula.....	118	75	54	33	43	43	39
Papa Stour.....	100	68	55	24	35	35	32
Whiteness/Weisdale/Gott/ Tingwall.....	1,140	1,604	1,603	1,671*	1,119	1,112	1,198
Scalloway.....	-	-	-	-	1,195	1,133	1,160
Trondra.....	91	54	20	17	86	109	108
Burra.....	767	648	653	565	848	872	889
Lerwick.....	4,221	5,538*	5,908	6,127	7,255	7,505	7,626
Bressay.....	452	335	269	251	347	334	368
Quarff/Gulberwick.....	1,518	426*	385	171	315	392	408
Sandwick/Cunningsburgh..	1,507	1,376	1,172	1,120	1,323	1,291	1,311
Bigton Junction - South...	1,089	1,021	858	848	1,883	1,568	1,658
Fair Isle.....	108	73	64	65	75	69	70
Total Population.....	21,421	19,352	17,812	17,327	23,130	22,913	23,214

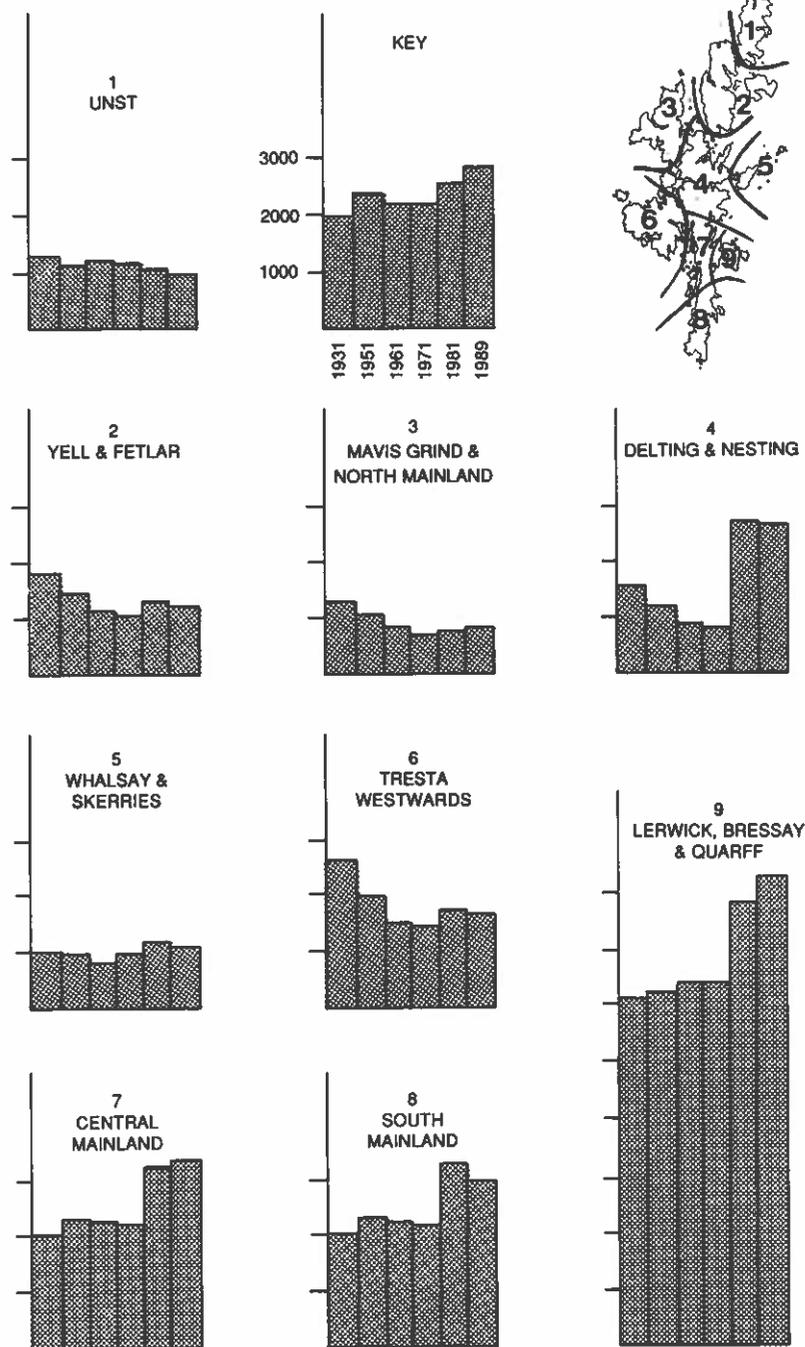
Figures in cols. 1 - 5: Population Census.

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

*Boundary change.

** Figures for 1989 are for December not June.

Population 1931 -- 1989 by area



Population Breakdown by Age and Sex

Age Group	1981			1989		
	Males	Females	Total	Males	Females	Total
0-4	888	890	1,778	827	762	1,589
5-9	901	881	1,782	822	818	1,640
10-14	959	913	1,872	903	818	1,721
15-19	907	846	1,753	808	811	1,619
20-24	886	791	1,677	717	694	1,411
25-29	1,006	852	1,858	986	899	1,885
30-34	1,052	874	1,926	912	896	1,808
35-39	857	782	1,639	818	827	1,645
40-44	706	577	1,283	840	852	1,692
45-49	571	518	1,089	600	648	1,248
50-54	503	520	1,023	489	542	1,031
55-59	542	516	1,058	417	472	889
60-64	385	488	873	399	496	895
65-69	443	510	953	392	519	911
70-74	371	512	883	275	395	670
75-79	239	411	650	275	421	696
80-84	157	259	416	182	321	503
85+	64	191	225	84	233	317
Total	11,437	11,331	22,768	10,746	11,424	22,170

1981 figures from 1981 Census - (usually resident population, not including temporary residents).
1989 figures; Registrar General's estimates for 30th June 1989.

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
Total	6,433	8,301	10,425	10,196	10,409

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
Total	1,187	697	1,884

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
Total	962	139	1,101

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
Total	5,929	526	6,455

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	1985	1987	1988	1989
Shetland %	2.2	4.0	2.8	5.3	5.5 ✓	7.6 ✓	6.4 ✓	5.849
Actual Jan:	283	213	220	402	798 ✓	899 ✓	740 ✓	657 ✓
Figures July:	135	289	233	457	658 ✓	766 ✓	611 ✓	440 ✓
Orkney %	2.4	4.8	5.7	9.0	10.9 ✓	9.517 ✓	11.2 ✓	7.9 ✓
Western Isles%	12.9	14.0	11.8	20.1	17.4 ✓	17.3 ✓	20.2 ✓	14.3 ✓
Grampian%	2.4	4.3	4.6	7.6	7.6	9.4 ✓	7.5 ✓	5.3 ✓
Strathclyde%	5.2	9.8	9.8	16.1	18.5	18.0 ✓	15.6 ✓	12.6 ✓
Scotland%	4.3	8.6	8.1	13.5	15.3	13.7 ✓	11.316 ✓	9.1 ✓

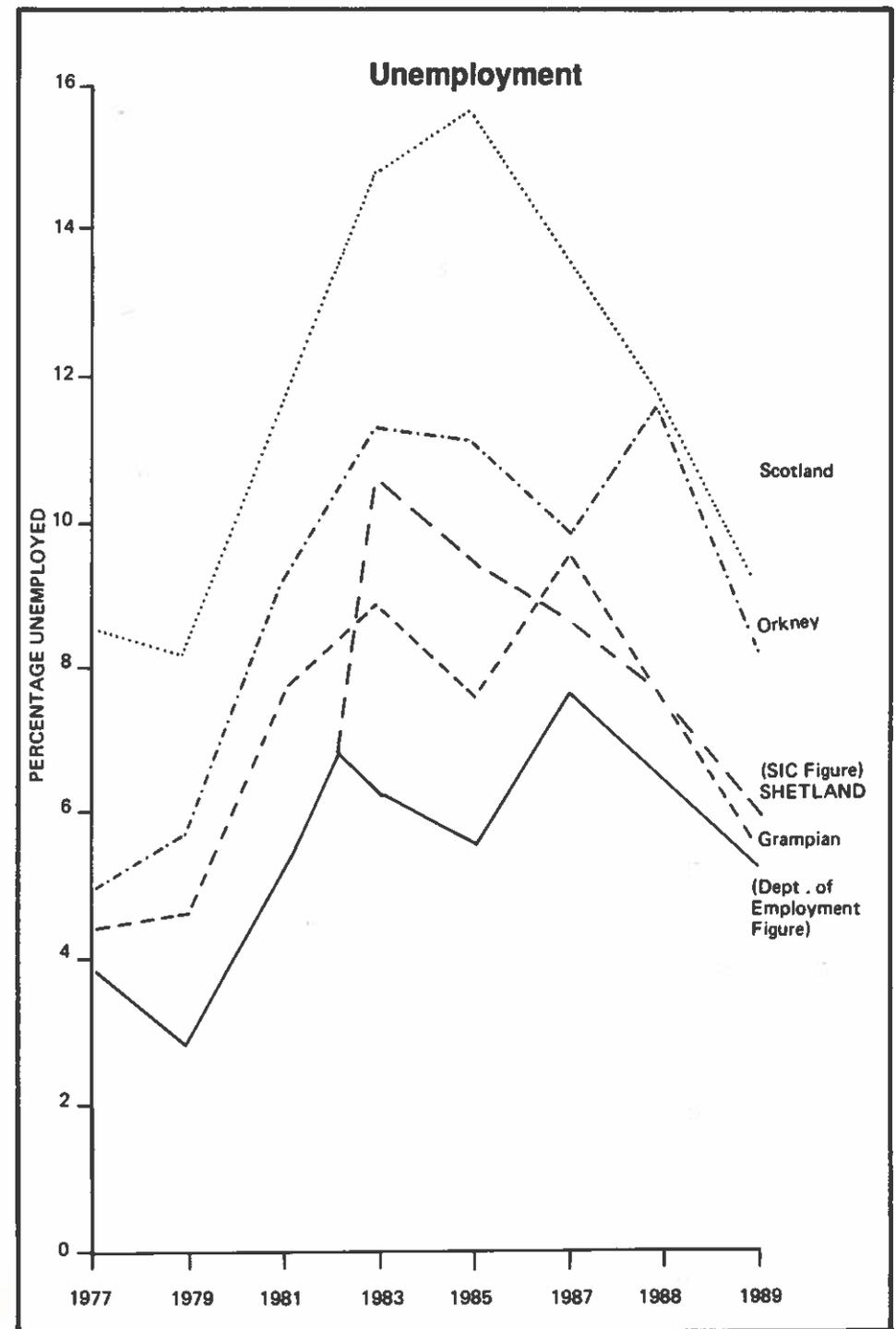
Notes: 1. The official unemployment percentage figures for Shetland under-represents the true position due to the official method of calculation and Shetland Islands Council produces its own percentage figures. For example, the official percentage rate for December 1988 was 6.4 per cent, while the council's figure was 7.4 per cent. (Further information on the method of calculating the percentage unemployed is available from the Research and Development Department, Shetland Islands Council). 2. As from Sept. 1989 2 percentage figures are now available for Shetland from the Dept of Employment: one is based on total labour force including self-employed and the other is based on employees. The latter is consistent with previous figures, and all the figures quoted above are on this basis. 3. The basis for calculating the number of people unemployed has been changed several times in recent years by the Government, each time excluding different categories of people.

Industrial Output Values (£million)*

	1982/3	1984/5	1985/6	1986/7	1987/88
Fish Catching	11.2	—	17.0	16.8	17.8
Fish Processing	12.7	—	15.0	15.0	17.5
Salmon Farming	—	2.3	3.3	5.7	19.9
Agriculture	5.8	—	7.8	8.2	9.3
Knitwear	4.2	5.1	6.4	—	6.5
Tourism	3.5	4.8	5.9	6.9	8.1
Total	37.4		55.4		79.1

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

NB. The Industrial Output figures for 1987/88 are provisional.



Youth Unemployment in Shetland:

	1980		1984		1985		1986		1987		1988		1989	
	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June
Unemployed	9	34	41	115	54	129	49	142	48	164	46	108	24	53
On Schemes	5	7	38	51	97	90	120	100	127	126	210	204	239	213
Total	14	41	89	166	151	219	169	242	175	290	256	312	263	266

Agriculture

	1971	1981	1986	1988	1990
Land Use: (Figures to nearest hectare)					
Tillage.....	1,410	1,062	973	889	950
Grassland & Crops.....	8,407	8,400	9,430	12,795	12,840
Rough Grazing (including common grazings).	129,019	133,160	133,880	130,457	130,736
Total area rented.....	38,130	36,046	36,008	35,517	35,832
Total area owned.....	28,161	30,368	31,844	33,154	33,368
Number of holdings.....	2,439	2,240	2,277	2,163	2,177
Number of common grazings.....	93	93	97	97	97
Area Under Crops: (Figures to nearest hectare)					
Grass (excluding rough grazing)	6,998	7,338	8,457	11,907	12,237
Barley & Oats.....	857	511	406	307	329
Turnips & Swedes.....	134	103	112	112	117
Kale & Cabbage.....	73	34	33	31	32
Potatoes.....	256	232	204	175	172
Rape.....	48	17	44	72	47
Other Crops.....	17	25	61	56	129
Veg. for Human Consumption (Included in Other Crops prior to 1988)				20	19
Livestock:					
Beef Cows & Heifers.....	2,492	1,896	2,251	2,347	2,323
Dairy Cows & Heifers.....	791	593	767	691	697
Total Cattle.....	6,945	5,103	6,340	6,353	6,092
Breeding Ewes & Gimmers.....	—	—	162,350	195,291	172,591
Total Sheep.....	264,779	297,558	329,912	352,054	358,740
Pigs.....	9	83	63	45	35
Poultry.....	12,950	8,672	6,455	4,702	4,692
Registered Slaughter Houses.....	9	8	5	4	4
Sheep Slaughtered.....	8,417	9,592	14,510	6,169	6,587
Cattle Slaughtered.....	485	278	446	430	643
Pigs Slaughtered.....	—	—	77	54	6
Sheep Exported.....	43,464	60,542	84,364	101,727	99,524
Cattle Exported.....	1,947	2,066	2,198	2,427	1,515
Ponies Exported.....	417	407	344	218	234
Pigs Exported.....	—	—	3	—	1
Wool Production (Kilos).....	n/a	c.212,000	c.300,000	c.310,000	140,000*

*This figure does not accurately reflect the total wool production from Shetland because much of the wool has been sold through mainland brokers.
(1989 price for grade 1 wool = £1.26 per kilo)

	1976	1981	1986	1988	1989
Milk:					
Dairy Units.....	23	23	19	18	19
Milk Production (Litres).....	1,428,975	2,069,550	2,576,847	2,680,493	2,688,307
Employment:*					
Full & part-time employees.....	222	204	203	262	266
Full & part-time occupiers.....	439	457	468	1,129	1,133
Others (including occupiers less than half time, wives/husbands of occupiers and casual/seasonal labour).....	584	718	799	1,032	1,050

* 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).

Capital Improvement	1976	1981	1986	1988	1989
Land Improvement (figures to the nearest hectare unless stated)					
Reclamation.....	22	16	90	15	36
Reseeding.....	120	283	587	54	593
Regeneration.....	—	—	109	353	217
Laying to Permanent Pasture.....	—	—	10	—	—
Drainage (metres).....	18,471	20,864	166,944	91,500*	90,400*
Apportionments.....	183	1,305	961	1,009**	394**
Grant Aided Capital Investment					
New Silos.....	8	1	8	3	3
Fanks and Dippers.....	4	6	10	13	8
New Byres.....	4	2	1	0	0
GP Sheds.....	6	10	35	12	11
Slatted Courts.....	2	1	2	0	0
Cubicle Houses.....	0	2	1	0	0
New Croft Houses.....	0	17	14	13	17
Croft House Improvements.....	n/a	3	3	4	10

In 1989 Shetland accounted for 16.92% of claims at 17.57% of the total expenditure of the Crofters Commission. Orkney accounted for 10.75% of claims at 8.11% of total expenditure, and Caithness accounted for 11.20% of claims at 11.92% 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 9,500 metres of piped drainage being carried out during the year.

** From 1st January 1989 to 31st December 1989, 54 apportionment applications were received, and 43 apportionments were granted for a total area of 394 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 243 agricultural loans approved up to and including the Trustee's meeting of 15th December 1989.

Development Projects:

Type of Project	Numbers	Hectares	Metres	Gross Cost
Drainage/Ditching		75.70	373,286	£ 311,975
Fencing		218.50	448,963	£ 827,833
Roads			29,017	£ 182,606
Reseeding		3,664.40		£1,238,152
Buildings				£2,362,747
Machinery				£1,036,197
Livestock: Sheep	109,908			£ 311,751
Cattle	436			£ 207,645
Pigs	7			£ 820
Land Purchased/Assigned		2,092.89		£ 506,464
Loan to NEF to provide Emergency Stockpile of Animal Feedstuffs				£ 32,000
Other (Horticultural & Drystone Dykes)				£ 77,035
Allowance for Inflation				£ 263,125
Total Gross Cost				£7,358,350
Financed by: Grants (from D.A.F.S., H.I.D.B. and S.I.C. Reserve Fund)				£2,815,257
Personal Contributions (A minimum of 15% of the Gross costs before inflation. This does not apply to the £32,000 Emergency Stockpile)				£1,095,252
Loans from the SIC Charitable Trust				£3,314,045
Balance of Funds				£ 369,351
Sums Relinquished/ Loans Withdrawn				£ (371,192)
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
1988	14,297	10,879,139	795	690,088	7,947	304,986
1989						
Jan	893	823,931	10	15,204	—	—
Feb	1,152	1,017,510	44	61,096	—	—
Mar	1,654	1,312,496	65	111,936	11	434
Apr	1,297	1,035,046	97	108,362	1,192	41,840
May	1,256	951,283	106	129,433	1,909	66,803
Jun	1,114	853,460	124	156,559	3,451	139,578
Jul	873	769,356	5	5,832	1,377	56,011
Aug	821	719,333	168	164,285	7	320
Sep	780	716,157	73	73,477	—	—
Oct	899	833,928	100	94,777	—	—
Nov	931	816,776	76	85,089	—	—
Dec	754	786,568	165	128,536	—	—
Total	12,427	10,735,844	1,033	1,134,586	7,947	304,986

*Excluding pelagic landings

Included in White Fish Total

	1987		1988		1989	
	Tonnes	£	Tonnes	£	Tonnes	£
Cod	3,303	2,794,933	2,958	2,646,931	2,722	2,548,416
Haddock	6,033	4,271,014	5,118	3,116,143	3,140	2,354,826
Whiting	4,258	2,363,918	2,561	1,487,444	2,444	1,343,543
Monk Fish	1,120	1,731,724	1,575	2,285,061	1,467	2,977,129

Average Quay Prices per tonne

	1983	1984	1985	1986	1987	1988	1989
	£	£	£	£	£	£	£
Cod	463.15	581.33	634.85	828.42	846.18	894.8	936.2
Haddock	383.01	513.70	610.10	565.40	707.94	610.64	750.0
Whiting	319.13	319.95	476.92	506.43	555.17	591.65	549.7
Monk Fish	—	—	—	1,507.6	1,832.6	1,818.6	2,029.4

Pelagic Landings in Shetland by UK Vessels

	Herring		Mackerel		Other Pelagic	
	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)
1988	36,910	4,233,525	917	55,579	4,282	151,361
1989						
Jan	—	—	—	—	—	—
Feb	—	—	—	—	—	—
Mar	—	—	—	—	—	—
Apr	—	—	—	—	1,464	58,564 (c)
May	—	—	—	—	740	28,860 (c)
Jun	—	—	—	—	—	—
Jul	2,283	278,068	—	—	—	—
Aug	37,481	4,036,894	—	—	55	2,471 (a)
Sep	8,237	862,887	—	—	334	30,852 (a)
Oct	622	70,332	31,639	3,623,384	659	31,141 (a)
Nov	188	13,519	14,410	1,630,655	—	—
Dec	761	69,845	1,727	196,045	—	—
Total	49,572	5,331,545	47,776	5,450,084	3,252	151,888

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

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

	1985		1987		1988		1989	
	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
	68,966	13,828,680	72,088	18,580,043	65,842	15,661,106	120,974	21,974,347

Employment in the Shetland Fishing Industry

	1971	1981	1983	1985	1987	1988	1989
Catching	636	542	515	503	512	535	574
Processing	967	480	516	542	468	329	445
Ancillary	171	243	244	259	326	330	386
Total	1,774	1,265	1,275	1,304	1,306	1,194	1,405

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

Weight and Value of Catch by Method

	1986		1988		1989	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	6,605	3,990,827	3,669	2,378,292	2,853	2,021,262
Industrial Trawl	11,963	360,925	9,436	346,502	7,947	305,081
Demersal Trawl	9,556	5,921,822	10,085	7,897,085	9,037	8,331,127
Purse Seine	43,952	4,455,263	36,093	4,219,917	83,383	10,302,838
Pair Trawl (Demersal)	227	23,153	944	608,525	571	397,555
Pair Trawl (Pelagic)	1,798	177,892	925	90,917	4,599	522,352
Single Boat Trawl	—	—	4,239	148,781	1,873	103,496
Beam Trawl	—	—	—	—	—	—
Gill Nets	—	—	1	700	—	—
Scallop Dredging	365	443,280	366	456,264	97	151,602
Queen Escallop	—	—	—	—	127	40,734
Dredging	96	31,449	28	8,472	389	499,960
Creels	268	134,387	376	197,583	263	198,798
Hand & Small Lines	3	663	18	21,018	4	3,826
Hand Gathered	6	7,547	1	1,164	11	4,352
Foreign Landings	12,045	1,033,509	9,830	503,419	7,225	543,445
Total	86,884	16,580,717	76,011	16,878,639	125,422	23,426,428

Landings by Shetland Vessels outwith Shetland, 1989

	Herring		Mackerel		White Fish	
	Tonnes	£	Tonnes	£	Tonnes	£
	13,904	1,536,389	41,394	5,384,633	934	716,448

Landings by value at UK Ports*

	1988 £		1983 £
1 Peterhead	66,826,000	1 Peterhead	50,222,000
2 Aberdeen	30,496,200	2 Aberdeen	25,401,000
3 Ullapool	18,251,300	3 Grimsby	19,092,033
4 Lowestoft	15,507,535	4 Ullapool	16,178,490
5 Shetland (1)	14,783,400	5 Fraserburgh	11,901,000
6 Kinlochbervie	14,779,200	6 Lowestoft	8,452,297
7 Newlyn	13,464,074	7 North Shields	7,993,781
8 Fraserburgh	13,409,900	8 Shetland (1)	7,754,000
9 Brixham	11,480,188	9 Mallaig	6,874,000
10 Mallaig	11,393,700	10 Ayr	6,803,000

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

(1) Includes Lerwick and Scalloway. Figures for each port in 1988 were: Lerwick £9,538,400; Scalloway £5,245,000

(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
1989	10	6	36	21	64	137

*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 1989

	Purse Seiners	Trawlers/Seiners		Vessels		Total
		over 80ft	50-80ft	35-50ft	20-35ft	
South Mainland & Fair Isle	—	—	—	2	6	8
Lerwick & Bressay	1	1	6	2	8	18
Whalsay	8	2	8	3	4	25
Out Skerries	—	—	3	—	2	5
Yell, Fetlar & Unst	—	—	3	2	7	12
Central Mainland	—	—	—	2	4	6
Northmavine	1	—	1	1	2	5
West Mainland (inc. Foula)	—	1	1	3	16	21
Scalloway, Burra & Trondra	—	2	14	6	15	37
Total	10	6	36	21	64	137

Source: DAFS

Fish Processing

	1984	1985	1986	1987	1988	1989	1990
Number of firms	8	8	12	11	12	13	14
Number of factories	14	14	15	14	14	14	15

Processing lines

	1984	1985	1986	1987	1988	1989	1990
White fish	11	11	11	12	7	7	5
Herring & Mackerel	1	1	2	1	—	1	1
Fish meal plants	2	2	2	2	2	2	1
Shellfish	2	2	2	2	2	2	3
Salmon	—	—	—	—	5	6	7

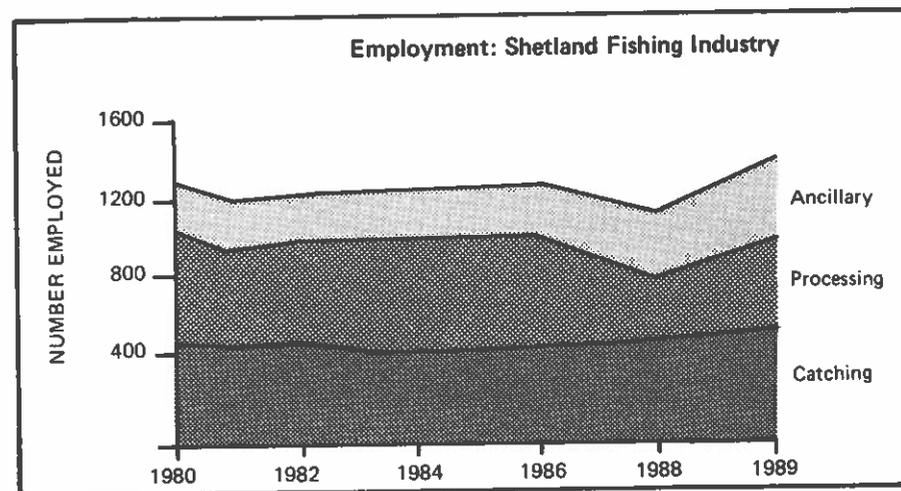
In general the processing industry showed improvement in 1988 compared to 1987. In early 1988 shortages of supplies, high market prices and adverse exchange rates for the UK pound against the US dollar resulted in continuing problems for many white fish firms. However, various firms continued processing 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 white fish sector of the industry experienced a difficult year in 1989 due to reduced quotas resulting in a shortage of supplies. An increasing number of firms are now processing salmon. The Shetland Catch Factory opened in July and has an annual capacity of 20,000 tonnes (herring and mackerel).

The Shetland Seafood Quality Company continues to ensure 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	1989
Farms established	5	14	13	5	10	6
Farms producing	4	13	27	38	43	49
Total	9	27	40	43	53	55

Production

	1984	1985	1986	1987	1988	1989
Smolts introduced(x000)	294	575	935	2,054	3,195	3,716
Production (tonnes)	50	700	1,500	2,175	4,575	8,030
Average tonnes per farm	12.5	53.8	55.6	57.2	106.4	163.8

Value

	1984	1985	1986	1987	1988	1989
Production value(£m)	0.22	2.7	5.68	8.7	18.3	28.31
Average per tonne(£)	4,400	3,857	3,787	4,000	4,000	3,526

Oil

Exploration and Development

- 1970** The exploration phase for oil and gas offshore Shetland began when the Government allocated the first Licence Blocks.
- 1971** Exploration activity began with supply and helicopter services established in Shetland to support offshore activities.
- 1975** The development phase. The laying of the Brent and Ninian pipeline systems, and the floatout of the Beryl and Brent field production platforms. Construction work began on the Sullom Voe Oil Terminal.
- 1976** The main Brent and Ninian pipelines to the Sullom Voe terminal were completed.
- 1978** The first oil was piped to Sullom Voe through the Brent pipeline from the Dunlin oilfield on 25th November. The first oil was shipped out from the terminal by the Shell tanker 'Donovania' five days later and on 31st December the first oil arrived through the Ninian pipeline from the Heather oilfield. On the same day the fuel bunkers of the tanker Esso Bernicia were ruptured when she hit a mooring bollard. Resulting oil spillage caused widespread pollution around Yell Sound shores.
- 1982** In April the first fractionation of gas took place at the terminal and a month later the first gas was shipped out. In December the final construction and commissioning work at the terminal was completed and Sullom Voe received its one billionth (1,000 million) barrel of oil.
- 1983** The 21st British North Sea oilfield, North West Hutton, was brought on stream in April, adding 38,000 barrels per day to the Brent pipeline system. In July work on spur 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 pipelinesystem. 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.
- 1989** On 15th May the Tern field was inaugurated by Her Majesty Queen Elizabeth the Queen Mother. In June Tern came on stream producing 24,000 barrels a day (expected to peak at 50,000 bpd). In October Don, a subsea satellite system, tied back to Thistle 15 kms south. Came on stream at a rate of 11,000 barrels a day. Estimated reserves of 56 million barrels.

Oilfields in Production

Name of Field	Date Field on stream	Operator	Average production Jan-Dec 1988*
Beryl A	1976	Mobil	99.3
Brent (B)	1976	Shell	305.4
Dunlin (B)	1978	Shell	49.4
Heather (N)	1978	Union	14.5
Ninian (N)	1978	Chevron	131.7
Thistle (B)	1978	Britoil	52.1
South Cormorant (B)	1979	Shell	43.8
UK Statfjord	1979	Conoco	112.5
Murchison (B)	1980	Conoco	49.5
North Cormorant (B)	1982	Shell	78.9
North West Hutton (B)	1983	Amoco	28.3
Magnus (N)	1983	BP	141.4
Beryl B	1984	Mobil	33.1
Deveron (B)	1984	Britoil	4.9
Hutton (B)	1984	Conoco	62.9
North Alwyn (N)	1987	Total	69.2
Eider (B)	1988	Shell	2.8
Tern (B)	1989	Shell	n/a
Don (B)	1989	Shell	n/a

(B) part of Brent pipeline to Sullom Voe, (N) part of Ninian pipeline to Sullom Voe.
* '000 Barrels per day.

Fields Under Development

Name of Field	Operator	Estimated date on stream	Estimated peak production*
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	1988	1989
Barrels	77,552,205	273,744,800	300,530,869	242,918,919	168,923,197
Tonnes	10,367,579	36,244,680	39,796,300	32,103,855	22,377,043

Ninian Pipeline System: throughput of oil

	1979	1983	1985	1988	1989
Barrels	63,665,158	123,365,814	136,207,965	135,273,346	134,483,500
Tonnes	8,555,865	16,548,268	18,190,078	17,869,408	17,768,099

Sullom Voe Terminal: total throughput of oil

	1979	1983	1985	1988	1989
Barrels	141,217,363	397,110,614	436,738,834	378,192,265	303,406,697
Tonnes	18,923,444	52,772,948	57,986,378	49,973,263	40,145,142

Sullom Voe Terminal: average barrels per day

	1979	1983	1985	1988	1989
Brent system	212,472	749,986	823,372	666,531	462,803
Ninian system	174,425	337,988	373,173	370,612	368,448
Total	386,897	1,087,974	1,193,805	1,036,143	831,251

Brent pipeline system: throughput of gas (tons)

	1982	1984	1985	1986	1988*	1989
Propane	174,889	492,419	188,713	476,742	81,147	112,555
Butane	128,624	371,195	368,347	375,641	50,291	70,060

Ninian pipeline system: throughput of gas (tons)

	1982	1984	1985	1986	1988*	1989
Propane	176,805	349,007	388,602	346,478	91,518	312,986
Butane	115,072	278,638	281,990	254,621	63,983	233,555

Sullom Voe Terminal: total throughput of gas (tons)

	1982	1984	1985	1986	1988*	1989
Propane	351,694	886,426	877,727	823,220	172,665	425,541
Butane	243,696	649,833	650,337	630,262	114,274	303,615

Sullom Voe harbour: total of tankers using port

	1979	1981	1982	1983	1984	1985	1986	1988*	1989
Oil	270	432	536	568	672	672	654	580	479
Gas	—	—	55	111	124	114	112	70	50

* Gas processing and shipment was suspended for much of 1988 due to problems of corrosion discovered under insulation on pipes at the terminal.

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	1987	% local	1988	% local	1989	% local
SIC Ports & Harbours	99	(72)	96	(71)	91	(70)	98	(70)
Shetland Towing	92	(93)	92	(93)	94	(94)	94	(100)
BP	414	(56)	583	(59)	558	(58)	560	(67)
Sub-Contractors	475	(62)	211	(58)	589*	(44)	242	(58)
Total Employees	1,080	(63)	982	(63)	1,332	(55)	994	(63)

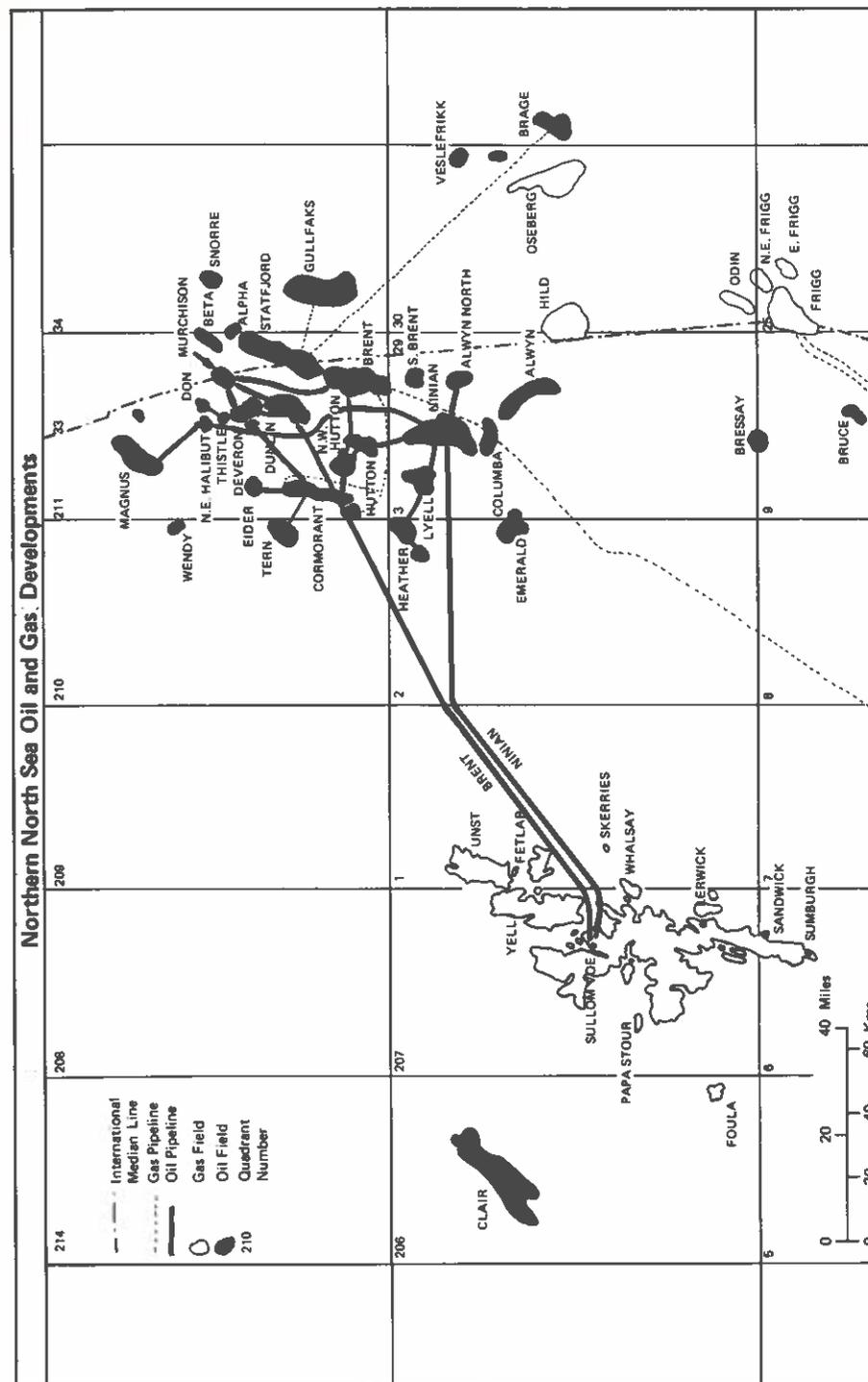
Source: Joint Employment Monitoring Group; BP; Shetland Towing; SIC Ports & Harbours Department.

*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	1984	1985		1986		1987		1988		1989	
				March	Sept	March	Sept	March	Sept	March	Sept		
21	185	391	271	295	288	230	215	220	241	226	233		

Source: Joint Employment Monitoring Group.
SIC Survey.

Output Values

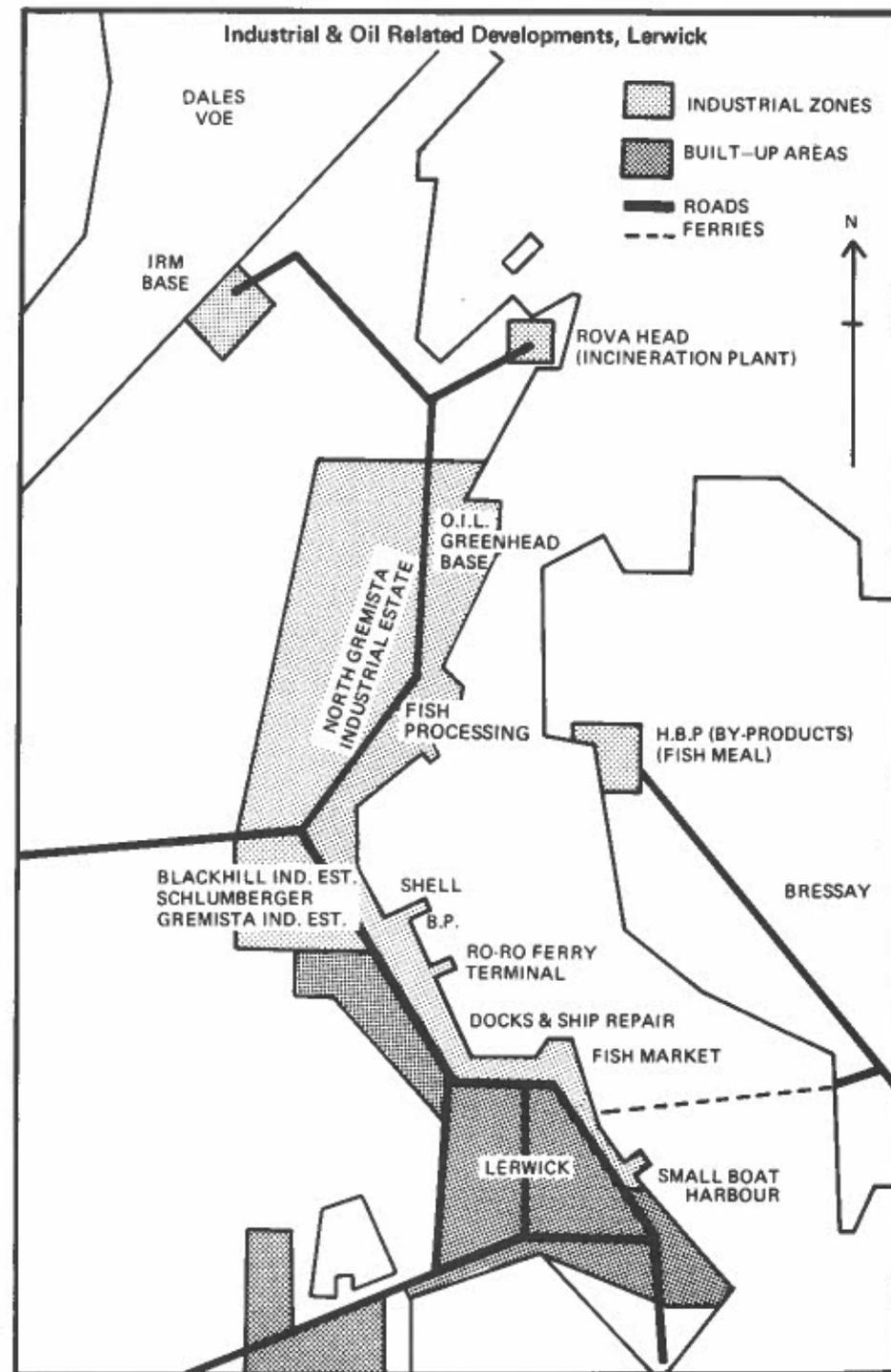
Total Operating Receipts of Shetland oil firms were around £155.5 million in 1982/83. This figure does not include the value of crude oil passing through Sullom Voe, nor the value of equipment and materials transhipped offshore. A high proportion of the revenue was spent on imports or remitted outwith the islands in the form of wages, profit, interest, etc. In 1988/89 the estimated figure for total operating receipts was around £204 million.

World Wide Crude Oil Production 1988

Country	'000 tonnes	% of World Total Production
1. (1) USSR	608,000	19.6
2. (2) USA	427,000	13.7
3. (3) Saudi Arabia	255,000	8.2
4. (8) Iran	145,000	4.7
5. (4) Mexico	144,500	4.6
6. (5) China	138,000	4.4
7. (6) Iraq	138,000	4.4
8. (9) Venezuela	96,000	3.1
9. (10) Canada	93,000	3.0
10. UK	92,000	3.0
11. (11) Kuwait	91,000	2.9
12. (12) Nigeria	81,000	2.6
13. (14) Norway	75,000	2.4
14. (15) Abu Dhabi	71,000	2.3
15. (13) Indonesia	66,000	2.1
16. (16) Libya	53,000	1.7
17. (18) Algeria	52,000	1.7
(12) UK excluding Shetland	51,855	1.7
18. (17) Egypt	45,000	1.4
(16) Shetland	40,145	1.3
19. (19) India	33,500	1.1
20. (20) Brazil	30,000	1.0

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 1988

Country	'000 barrels per day	% of World Total
1. (1) UK	2,094.67	14.7*
2. (2) Mexico	1,666.25	11.7
3. (3) Saudi Arabia	1,481.29	10.4
4. (4) USA	1,129.00	7.9
(3) UK excluding Shetland	1,058.53	7.4*
(6) Shetland	1,036.14	7.3*
5. (5) Venezuela	989.00	7.0
6. (6) Norway	907.02	6.4
7. (8) India	618.21	4.3
8. (7) Egypt	591.32	4.1
9. (-) United Arab Emirates	590.83	4.1
10. (10) Nigeria	471.61	3.3
11. (-) Angola-Cabinda	450.88	3.2
12. (11) Indonesia	443.63	3.1
13. (12) Australia	404.01	2.8
14. (9) Iran	323.00	2.3

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

* See notes to previous table

Industrial Sites

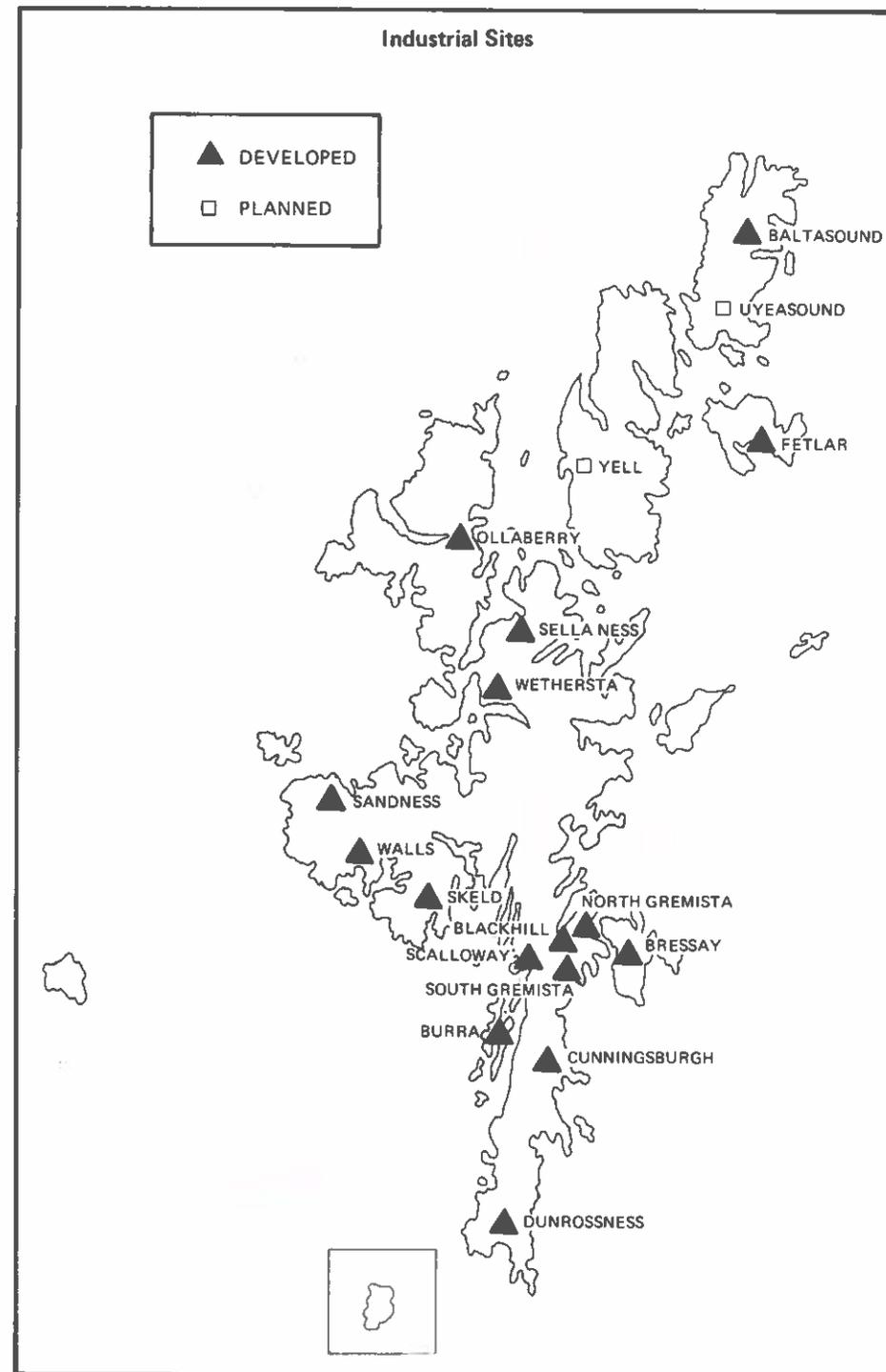
Sixteen serviced sites and estates have been developed, and two more are planned.

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

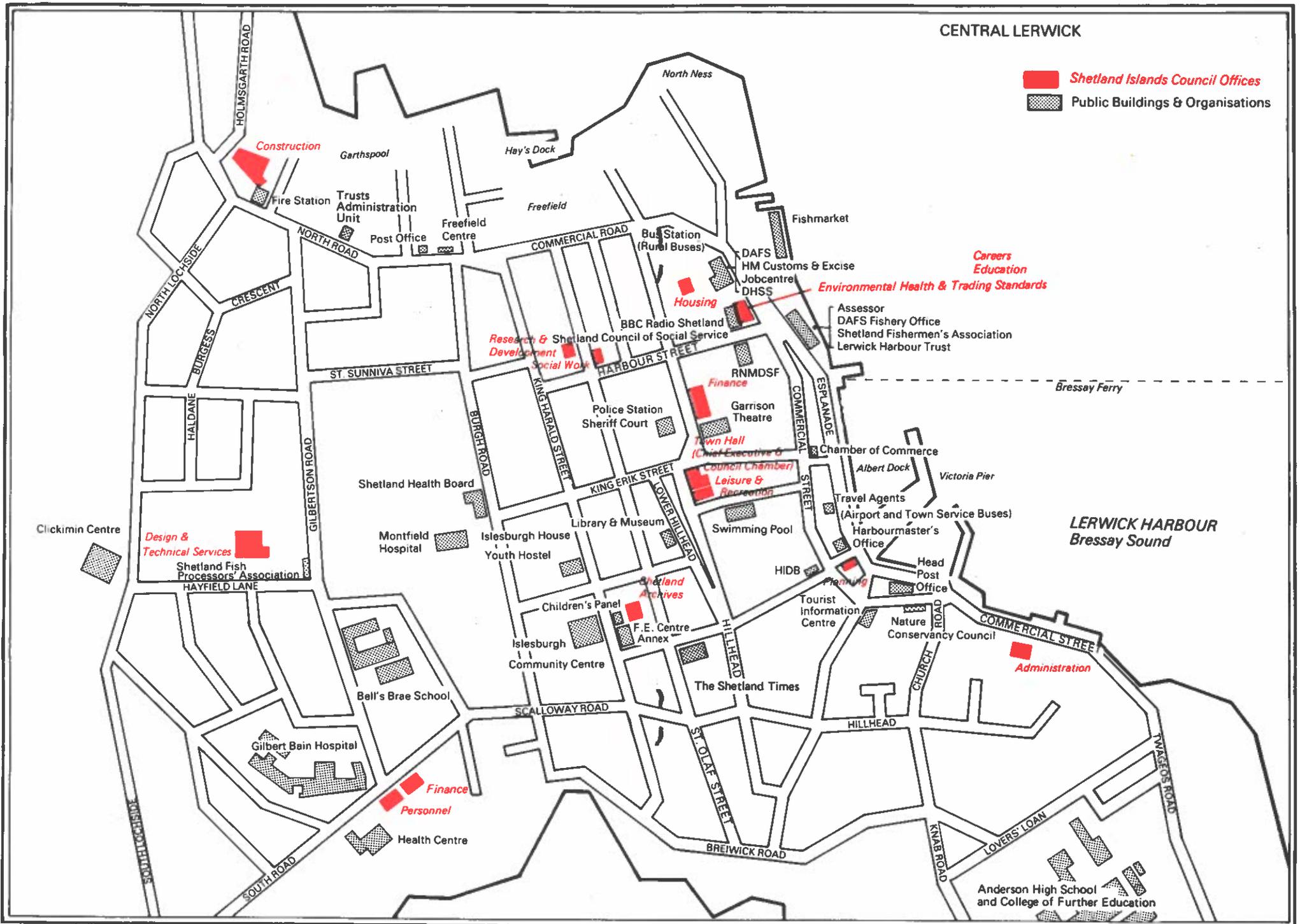
BP BP Petroleum Development Ltd.
HIDB Highlands and Islands Development Board

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 £6.5 million at producers' prices during 1987/88.

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 1989 was estimated at about 140,000 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 1988 was estimated to be c.£660,000. 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	1987	1988	1989
Lerwick Hotels	231	244	366	272	286	307
Country Hotels	342	347	346	334	352	314
Lerwick Guest Houses*	—	—	41	32	76	28
Country Guest Houses*	—	—	86	102	169	118
Lerwick Bed & Breakfast	103	78	75	68	30	100
Country Bed & Breakfast	203	131	119	136	96	238
Self Catering, Cottages, etc.	271	250	342	305	363	474
Caravans	104	46	30	41	27	51
Hostels	81	76	140	146	141	147
Camp Sites**	—	—	89	89	73	70
Total	1,335	1,174	1,634	1,525	1,613	1,847

*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
Total	—	—	395	384	436

*Mostly part-time employment

Tourist Enquiries and Bookings*

	1981	1986	1988	1989
Postal Enquiries	1,696	5,201	5,971	4,827
Telephone Enquiries	—	966	1,845	1,559
Advance Bookings	101	220	336	327
Immediate Bookings	412	997	1,474	1,570

*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	1989
Hotels	15	16	18	19	18	18	16
Guest House B&B	66	64	46	68	63	78	93
Self-catering	37	36	27	46	54	55	67
Hostels	4	4	2	4	5	5	5
Business & Trade	118	120	101	106	96	136	150
Camp Sites	—	—	—	4	3	4	4
Total	240	240	194	247	239	296	335

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	1989
Seven Days	276	881	1,846	1,067	2,017	1,994	1,175	1,630
Midweek	1,085	858	1,170	952	1,866	1,393	935	835

Source: P&O Ferries. NB: information for 1989 was not available at time of going to press.

P&O Ferries Mini-Cruise Passengers

1981	1983	1984	1985	1986	1987	1988	1989
1,982	2,108	1,746	1,897	1,768	1,691	1,804	1,799

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"

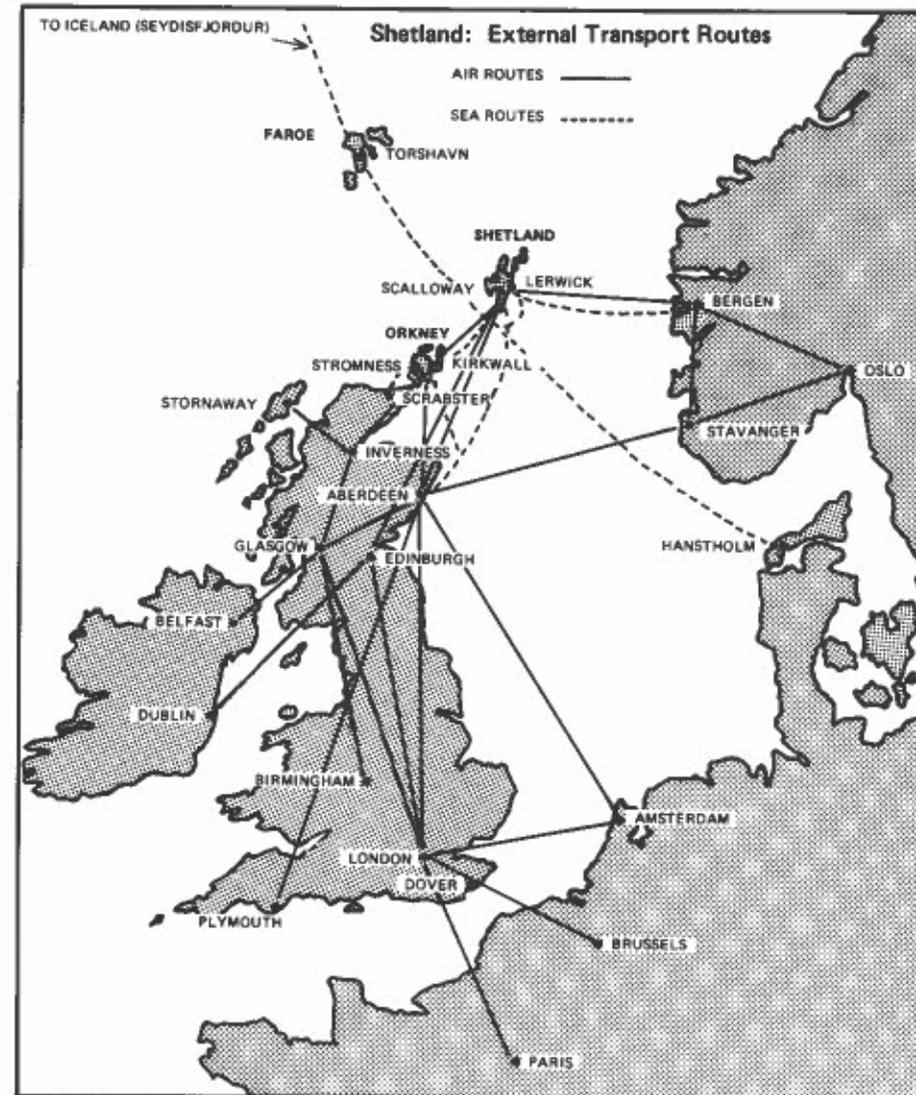
Visitors include both tourists and business visitors and include accommodation, and any goods and services purchased while in Shetland.

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

N.B. Figures for 1989 were unavailable at time of going to press.

Cruise Liner Passengers

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



Transport

Internal Air and Sea Transport

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

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

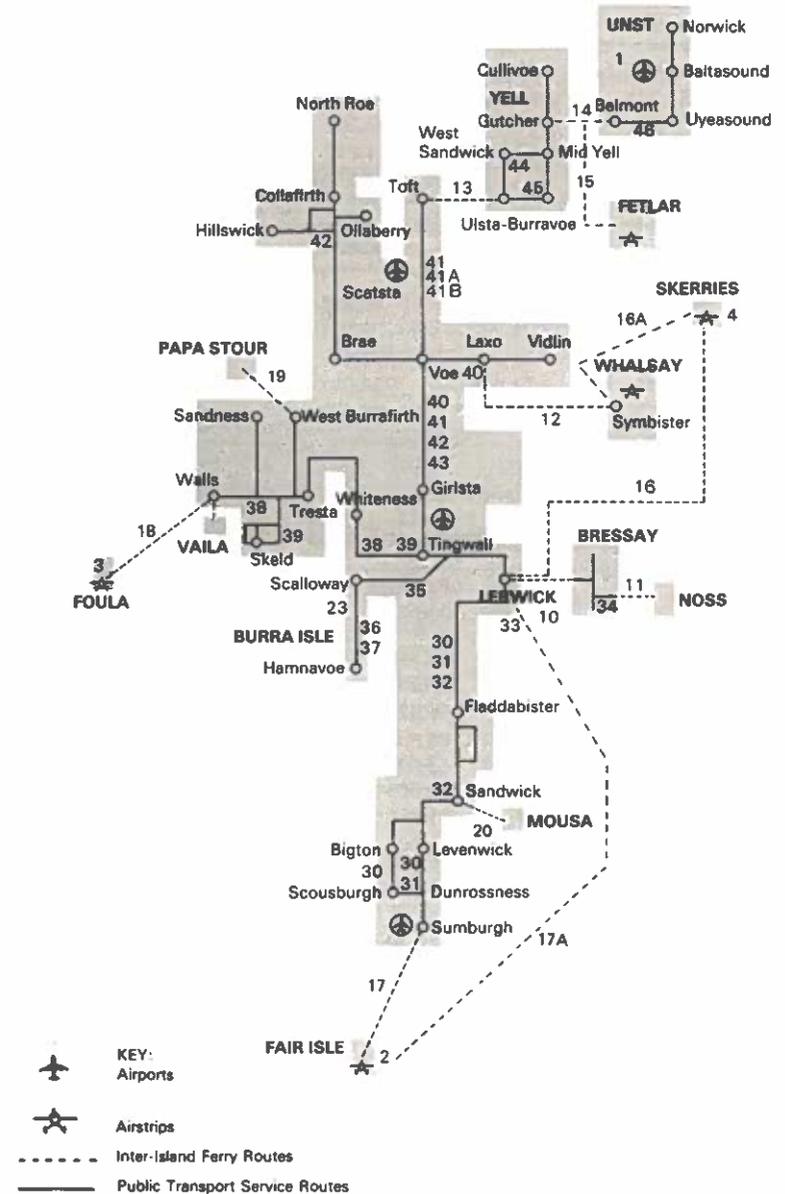
Bus Services

Route	Operator
Lerwick to: Sumburgh, Sumburgh Airport 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: Sound to North Staney Hill via Town Centre, Lochside & return	J. Leask & Son
Yell: Ulsta-Gutcher-Cullivoe Ulsta-Mid Yell-West Sandwick	R. Jamieson A. Williamson
Unst: Belmont-Saxa Vord/Baltasound	P. Y. Mills

Present Schedule of County Highways

Principal Roads	224.90 km. (139.75 miles)
Non-principal roads	154.70 km. (96.13 miles)
Unclassified roads	549.47 km. (341.40 miles)
Total	929.07 km. (572.28 miles)

Shetland: Internal Transport



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	1985	1986	1987	1988	1989
Yell	82,557	96,364	83,694	84,902	91,762
Unst/Fetlar	51,331	40,605	47,774	56,863	49,599
Bressay	100,890	96,849	94,389	98,806	129,565
Whalsay	43,021	45,888	51,642	43,885	59,593

Vehicles

Ferry Route	1985	1986	1987	1988	1989
Yell	59,680	65,264	65,925	73,472	76,359
Unst/Fetlar	33,387	28,202	38,627	37,885	39,371
Bressay	29,954	31,958	33,462	36,988	46,275
Whalsay	30,740	31,660	34,011	36,558	38,662

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*	70,806	10,211
1988*	71,887	10,499
1989*		
January	2,781	422
February	1,780	325
March	3,675	594
April	5,239	684
May	6,757	928
June	9,794	1,234
July	12,561	1,995
August	12,813	1,966
September	7,710	1,009
October	5,144	935
November	2,429	554
December	3,110	622
Total	73,793	11,268

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	1989
Passengers	4,962	5,772	5,662	6,537	7,497	7,581
Vehicles	544	531	750	774	805	839

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

Freight on P&O Ferries Services*

	1984	1985	1986	1987	1988	1989
Commercial Vehicles	16,624	18,814	14,368	11,203	10,773	12,609
Commercial Trailers	34,232	29,573	25,745	34,198	36,446	52,780
Unaccompanied Cars	4,575	4,687	4,512	5,123	6,044	6,548

*Running metres

Shipping in Lerwick Harbour

	1971	1981	1983	1985	1987	1988	1989
General	316	418	451	639	653	667	754
HM Ships	41	62	60	48	18	13	24
Oil	51	140	106	135	95	103	113
Oil Rig Tenders	79	1,556	1,300	1,277	731	771	911
Other Vessels	488	480	582	710	403	712	973
British Fishing	1,440	677	722	1,302	1,536	1,474	1,905
Foreign Fishing	1,580	246	329	195	234	206	243
Yachts	n/a	112	181	242	253	321	421
Total	3,955	3,579	3,550	4,306	3,923	4,267	5,344

Foreign Fishing Vessels

	1971	1981	1983	1985	1987	1988	1989
Bulgaria	—	—	—	—	—	—	12
Denmark	374	117	115	65	47	52	49
Faroe	242	14	21	8	10	2	4
France	16	13	22	16	8	8	6
Germany (West)	3	1	—	8	12	14	10
Germany (East)	—	—	18	11	17	6	—
Greenland	—	—	—	—	—	1	4
Iceland	215	2	—	3	1	14	13
Ireland	—	—	—	—	4	4	39
Netherlands	12	—	8	8	12	6	13
Norway	551	96	143	66	92	81	62
Panama	—	—	—	—	—	—	3
Poland	1	2	—	—	—	—	—
Portugal	—	—	—	1	2	1	—
Sweden	100	1	1	—	4	1	7
USSR	60	—	1	3	22	16	21
Total	1,554	246	329	195	234	206	243

Total Tonnage Handled in Lerwick Harbour

(Weight of containers excluded)

	1971	1981	1985	1987	1988	1989
General Cargo Imports	45,760	200,077	235,041	185,210	210,925	239,435
General Cargo Exports	48,849	57,471	49,578	44,624	65,972	88,662
Oil Related Imports	342	288,999	300,314	214,092	237,844	253,812
Oil Related Exports	—	421,807	486,059	272,815	303,382	378,511
Total	94,951	968,354	1,070,992	716,741	818,123	960,420

Lerwick Harbour Trust Revenue

	1971	1981	1985	1987	1988	1989
	£49,000	£2,100,000	£3,062,000	£3,481,783	£3,606,231	£4,340,554

Shipping in Scalloway Harbour

	1985	1986	1987	1988	1989
British fishing	201	163	217	283	302
Foreign fishing	26	17	27	25	22
Frozen fish cargo vessels	22	20	33	14	3
Oil-related/stand-by	20	5	2	10	7
H.M. ships/Customs	0	0	6	3	1
General Cargo	57	80	75	52	82
Other vessels	2	0	6	12	2
Passenger ships/ferries	35	11	7	15	6
Fishery research	3	0	1	3	2
Yachts	14	9	17	25	31
Sail training ships	1	0	1	0	0
Total	381	305	392	442	458

Total Tonnage Handled in Scalloway Harbour: Imports

(Weight of containers excluded)

	1984	1985	1986	1987	1988	1989
Fish	92	449	267	1,168	23	90
Salmon Feed	218	552	907	735	209	684
Miscellaneous Cargo	430	1,109	1,384	1,360	4,582	919
Bulk Tar	2,129	1,046	2,479	2,297	3,060	3576
Total	2,869	3,156	5,037	5,560	7,874	5,269

Total Tonnage Handled in Scalloway Harbour: Exports

(weight of containers excluded)

	1984	1985	1986	1987	1988	1989
Frozen Fish	1,840	2,903	2,663	4,009	1,163	400
Offal	3,441	6,037	7,563	953	911	152
Salmon	23	40	221	40	83	0.63
Sandeel/minkfood	4,170	5,084	5,492	8,488	684	—
Miscellaneous Cargo	94	262	181	150	210	105
Total	9,568	14,326	16,120	13,640	3,051	657.63

U.K. Port Traffic 1988

Port	'000 tonnes*	% UK Total Traffic
1. London	53,705	10.9
2. Sullom Voe	50,562	10.3
3. Tees & Hartlepool	37,408	7.6
4. Grimsby & Immingham	34,960	7.1
5. Milford Haven	33,264	6.7
6. Southampton	31,424	6.4
7. Forth	29,015	5.9
8. Liverpool **	19,571	4.0
9. Felixstowe	15,602	3.1
10. Medway	12,731	2.6

*Source: British Ports Association.

** Note: Orkney was the eighth largest port by tonnage in 1987 but suffered the loss of 9 Mt of oil traffic when its North Sea pipeline was shut down following the Piper Alpha disaster.

Air Services

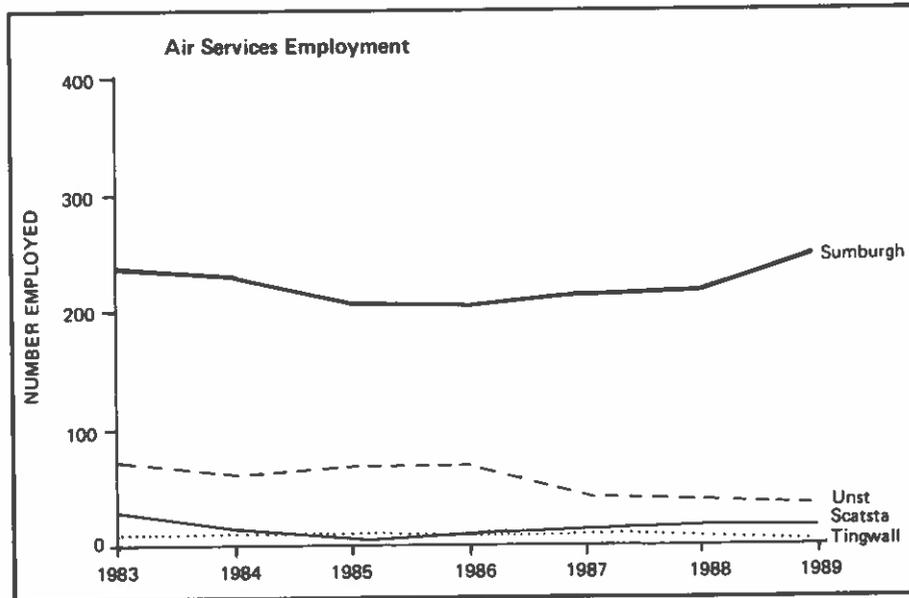
Total aircraft traffic at Sumburgh, Scatsta, Unst and Tingwall*

	1983	1984	1985	1986	1987	1988	1989
Aircraft Movements	28,266	31,666	29,457	29,457	33,366	36,588	37,988
Passengers	378,408	384,465	369,434	367,053	417,470	475,608	524,402

*Includes all passengers on scheduled services

Employment

	1981	1982	1983	1984	1985	1986	1987	1988	1989
Sumburgh	650	501	238	232	209	206	217	217	248
Tingwall	12	10	10	10	10	10	10	10	8
Scatsta	42	41	28	12	9	10	10	13	13
Unst	68	69	72	61	66	66	44	41	38
Total	772	621	348	315	294	292	281	281	307



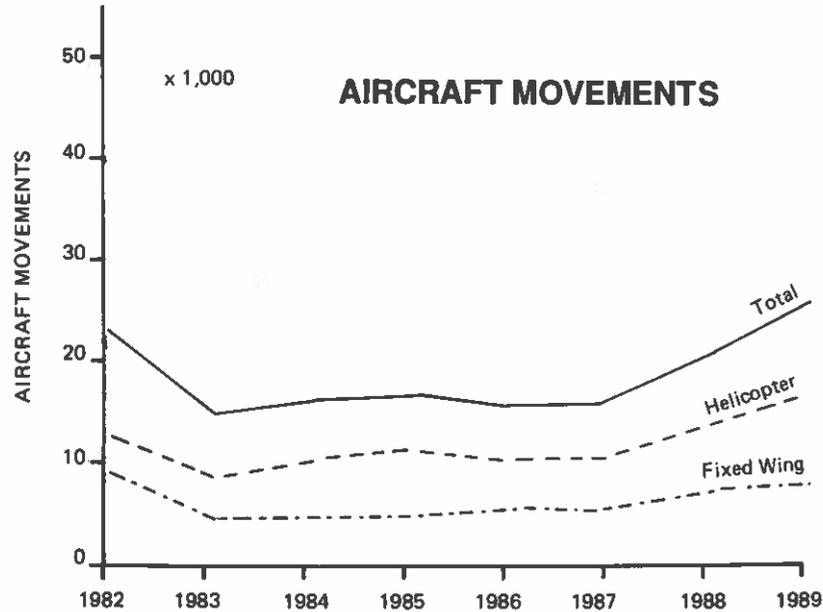
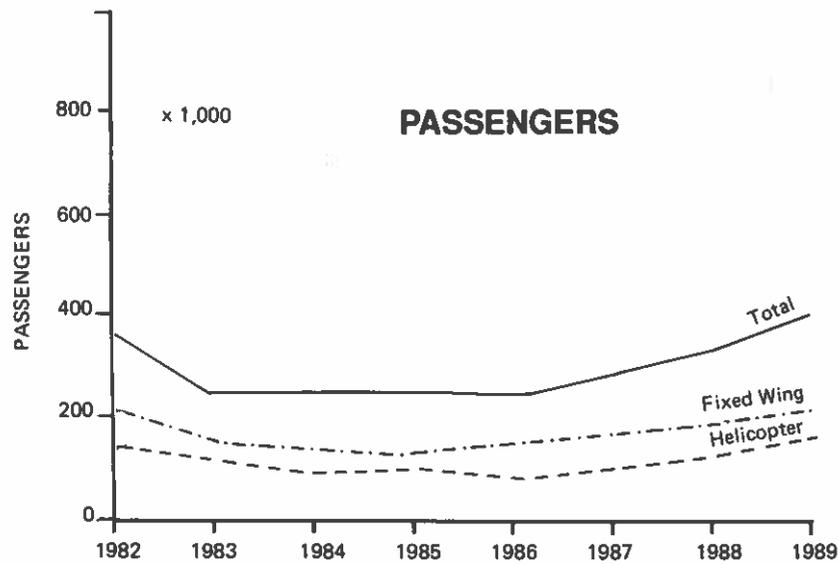
Sumburgh Airport Traffic: Passengers and Freight

	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
1988	336,894	68,682	121,656	146,556	1,492,527
1989 January	28,330	4,490	10,955	12,885	108,134
February	28,285	4,756	10,932	12,597	115,343
March	34,312	5,655	12,830	15,827	138,056
April	32,889	5,407	12,685	14,797	134,397
May	36,113	6,355	13,455	16,303	137,426
June	35,634	7,354	12,859	15,421	118,563
July	34,566	8,156	12,077	14,333	112,684
August	37,107	8,144	13,088	15,875	125,015
September	33,273	6,537	12,120	14,616	128,726
October	34,975	6,678	12,846	15,451	135,515
November	35,578	5,618	13,545	16,415	133,155
December	34,285	4,816	13,275	16,194	137,097
1989 Total	405,347	73,966	150,667	180,714	1,524,111

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
1988	20,679	6,635	14,044
1989 January	1,924	566	1,358
February	1,847	538	1,309
March	2,240	707	1,533
April	2,136	702	1,434
May	2,330	755	1,575
June	2,301	811	1,490
July	2,170	756	1,414
August	2,135	721	1,414
September	1,998	701	1,297
October	2,325	692	1,633
November	2,176	708	1,468
December	2,077	642	1,435
1989 Total	25,659	8,299	17,360

Sumburgh Airport



Scatsta Airport Traffic

	1983	1984	1985	1986	1987	1988	1989
Passengers	11,823	14,313	14,938	13,157	13,216	27,425	17,151
Aircraft Movements	2,556	2,593	2,548	2,232	1,982	2,574	1,589

Tingwall Airport Traffic

	1983	1984	1985	1986	1987	1988	1989
Passengers	14,575	14,925	14,364	13,368	13,093	12,956	15,224
Aircraft Movements	3,291	3,322	3,344	3,333	3,337	3,301	3,198

Unst Airport Traffic: Passengers

	1983	1984	1985	1986	1987	1988	1989
Fixed Wing	52,147	54,110	50,104	44,856	44,387	40,499	38,717
Helicopter	52,212	61,799	50,869	52,282	57,981	57,834	47,963
Total	104,359	115,909	100,973	97,138	102,368	98,333	86,680

Aircraft Movements

	1983	1984	1985	1986	1987	1988	1989
Fixed Wing	2,400	2,338	2,158	2,052	2,566	1,646	1,674
Helicopter	4,764	5,426	4,610	6,540	7,963	8,388	5,868
Total	7,164	7,764	6,768	8,592	10,529	10,034	7,542

Small Airfield Traffic: Passengers

Airfield	1983	1984	1985	1986	1987	1988	1989
Fair Isle	1,118	1,704	1,596	1,822	1,654	1,640	2,127
Fetlar	109	50	52	60*	58*	**	**
Foula	1,052	1,228	1,276	1,100*	1,158*	1,150*	1,600*
Skerries	520	603	554	624	706	700*	734
Whalsay*	80	90	100	100	140	150	400*

Aircraft Movements

Airfield	1983	1984	1985	1986	1987	1988	1989
Fair Isle	408	478	426	480	458	464	596
Fetlar	53	44	38	40*	40*	**	**
Foula	290	364	344	304	320	352	496
Skerries	300	364	154	302	294	288	376
Whalsay	70	76	72	70	98	104	200

*Estimate ** Scheduled flights suspended.

Nature Conservation

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 Moerland 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 (Solán)	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 1988	June 1989
Shetland: Lerwick	109.4	107.9	107.5	107.3
*Remote	118.5	114.5	114.0	113.4
*Village A	115.4	113.4	111.5	111.0
*Village B	117.1	116.2	115.8	116.1
*Village C	116.9	114.5	114.5	114.8
Rural Average	109.0	107.3	106.6	106.3
Aberdeen	100.0	100.0	100.0	100.0
Edinburgh	102.3	100.8	100.5	99.7

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	1990
Shetland Islands Council	2,655	2,610	2,630	2,648	2,621	2,566	2,514
Private and Others	5,507	5,840	5,818	6,018	6,299	N/A	N/A
Scottish Homes	156	154	152	145	136	131	122
Total	8,328	8,604	8,600	8,811	9,056	N/A	N/A

Vehicle Ownership

Vehicles licensed in Shetland on 31st December

Type	1971	1981	1985*	1988	1989
Private Cars and Vans	3,600	7,048	7,584	8,326	8,510
Goods Vehicles					
(inc. Agricultural)	440	801	372	359	359
Buses and Coaches	138	164	183	174	162
Motor Cycles	350	545	391	367	347
Miscellaneous	652	831	964	977	970
Total	5,180	9,389	9,494	10,203	10,348

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	1989	1990
Primary Teachers.....	91	117	164	143	140
Secondary Teachers.....	88	124	142	171	178
Further Education Teachers.....	2	4	9	18	18
Total.....	181	245	315	331	336

Primary Education

Primary School Rolls as at January each year

	1971	1976	1981	1989	1990
Baltasound Junior High.....	103	100	106	72	79
Mid Yell Junior High.....	56	76	65	55	47
Brae Junior High.....	44	68	171	189	136
Symbister House Junior High.....	125	149	146	123	120
Aith Junior High.....	67	63	52	66	61
Scalloway Junior High.....	120	136	150	124	123
Sandwick Junior High.....	44	81	96	83	76
Haroldswick Primary.....	38	33	21	24	27
Uyeasound Primary.....	21	27	16	8	8
Cullivoe Primary.....	21	23	24	19	20
Burrae Primary.....	38	31	36	29	30
Fetlar Primary.....	14	6	15	9	8
North Roe Primary.....	17	16	23	21	19
Ollaberry Primary.....	18	12	16	32	34
Urafirth Primary.....	26	29	37	34	33
Mossbank Primary.....	0	0	136	91	77
Firth Primary.....	16	0	0	0	0
Olnafirth Primary.....	19	30	46	43	40
Lunnasting Primary.....	20	22	38	23	22
South Nesting Primary.....	16	14	26	19	18
Skerries Primary.....	16	12	11	6	8
Sandness Primary.....	6	7	15	16	14
Foula Primary.....	4	4	7	4	6
Papa Stour Primary.....	0	0	5	4	2
Happyhansel Primary.....	43	40	48	56	58
Gruting Primary.....	12	11	9	0	0
Skeld Primary.....	13	26	36	10	11
Whiteness Primary.....	31	56	87	80	78
Burra Primary.....	16	0	0	0	0
Hamnavoe Primary.....	64	65	107	104	100
Gott Primary.....	41	43	52	52	54
Cunningsburgh Primary.....	56	74	57	77	51
Dunrossness Primary.....	123	152	209	158	152
Fair Isle Primary.....	3	9	11	12	10
Quarff Primary.....	17	19	23	20	23
Bressay Primary.....	24	38	20	31	29
Bells Brae Primary.....	722	790	501	349	340
Sound Primary.....	0	0	292	369	358
Total.....	2,014	2,262	2,730	2,392	2,272

Secondary Education

Secondary School Roll at January each year

	1971	1976	1981	1989	1990
Anderson High.....	571	770	915	877	863
Baltasound Junior High.....	36	58	75	39	29
Mid Yell Junior High.....	43	58	48	45	44
Brae Junior High.....	47	68	164	209	211
Symbister House Junior High.....	36	54	62	40	41
Aith Junior High.....	35	65	61	65	65
Scalloway Junior High.....	72	129	132	172	187
Sandwick Junior High.....	55	87	121	120	140
Skerries School.....	2	6	5	4	3
Total.....	897	1,295	1,583	1,690	1,583

Further Education

Students Enrolled on Further Education Courses

	1976-77	1980-81	1984-85	1988-89	1989-90
Full Time.....	—	—	25	99	78
Day Release.....	22	70	52	47	29
Short Full Time.....	34	50	57	35	5
Evening Class.....	815	1,109	973	1,228	1,236
YTS.....	—	—	—	69	119

Highest School leavers' qualification by area

Position (*)	1984/85	1985/86	1986/87	1987/88
1	Shetland	Shetland	Orkney *	Shetland
2	Orkney	Orkney	Shetland *	Highland
3	Tayside	Tayside	Western Isles	Tayside
4	Highland	Highland	Tayside	Western Isles
5	Western Isles	Western Isles	Highland	Grampian
6	Grampian	Central	Borders	Borders
7	Central	Borders	Central	Orkney
8	Dumfries/Gall	Grampian	Dumfries/Gall	Lothian
9	Fife	Lothian	Fife	Dumfries/Gall
10	Borders	Dumfries/Gall	Lothian	Central
11	Lothian	Fife	Grampian	Fife
12	Strathclyde	Strathclyde	Strathclyde	Strathclyde

* Where results are the same the areas have been ranked alphabetically but marked to show that a "tie" has taken place.

School Leavers' Qualifications by area, sex and SCE qualification held: 1987/88

Area	Sex	Percentage holding given SCE qualification or better						
		O grades D-E/4-5 Standard grades 4-7	O grades A-C/1-3 Standard grades 1-3			Highers		
			1+	3+	5+	1+	2+	3+
Borders	Boys	89	72	53	43	33	22	11
	Girls	90	76	58	46	39	26	12
Central	Boys	82	67	51	42	32	21	13
	Girls	86	72	56	47	41	27	14
Dumfries & Galloway	Boys	85	66	48	38	29	19	11
	Girls	92	75	61	50	39	25	14
Fife	Boys	85	67	50	40	30	21	11
	Girls	89	74	57	47	38	24	12
Grampian	Boys	86	72	52	42	32	21	11
	Girls	89	78	60	50	41	26	12
Highland	Boys	87	74	56	45	34	21	11
	Girls	90	80	65	55	47	28	14
Lothian	Boys	83	67	51	42	34	21	11
	Girls	88	73	59	49	41	26	14
Strathclyde	Boys	81	65	47	38	31	19	10
	Girls	85	71	55	45	38	23	11
Tayside	Boys	86	72	54	45	36	24	13
	Girls	90	79	64	53	45	28	14
Orkney	Boys	77	70	47	35	26	17	11
	Girls	86	82	68	58	49	30	11
Shetland	Boys	92	88	76	57	32	23	10
	Girls	96	94	81	64	43	34	14
Western Isles	Boys	84	63	50	41	32	18	9
	Girls	93	81	68	57	50	28	11
All Scotland	Boys	83	68	50	40	32	20	11
	Girls	87	73	58	48	40	25	12

Source is Scottish Education Department Statistical Bulletin No 15/E2/1989.

Social Work

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

	1984-85	1987-88	1988-89	1989-90
No. of Eventide Home Beds *.....	60	70	70	70
No. of beds in Hostel for Mentally Handicapped	6	12**	14	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	272
No. of Laundries.....	4	5	5	6
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	56,400
No. of Home Helps.....	320	300	300	310
No. of Home Help Clients.....	584	580	580	522
No. of Homes Connected to Community Alarm System.....	-	270	400	576

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

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 £	1987-88 £	1988-89 £
Board Administration	450,560	517,410	564,341
Hospital Running Costs			
(a) Pay	2,246,441	2,683,922	3,066,099
(b) Supplies & Services	922,247	916,946	1,074,422
(c) Other Expenditure (labs etc.)	123,490	264,062	263,874
	3,292,178	3,864,930	4,404,395
Less direct credits	77,699	81,832	73,075
	3,214,479	3,783,098	4,331,320
Community Services (School & Pre-school care, domiciliary services, health education etc.)	963,806	1,149,746	1,297,667
Associated services—(travelling expenses, local health council)	23,681	45,970	43,250
Primary Care			
(a) Medical Services	772,101	828,779	986,035
(b) Pharmaceutical Services	660,694	774,346	943,938
(c) Dental Services	128,034	161,887	170,500
(d) Ophthalmic Services	58,224	94,205	101,886
	1,619,053	1,861,217	2,202,359
Total Revenue Expenditure	6,837,363	7,986,623	8,438,937

Hospitals

Name	Type	No. of Beds	Average % Occupancy				
			1985	1986	1987	1988	1989
New Gilbert Bain	Acute & Maternity	73	64	64	67	67	61
Montfield *	Long Stay	87	96	98	98	96	97

*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	1989	
Number of General Practitioners	19	19	19	19	19	19	
Number of Nursing Staff:	Full Time	162	164	163	157	198	155
	Part Time	86	90	109	88	87	108
Number of Hospital Doctors	5	5	5	5	5	5	

New Gilbert Bain Hospital

	1984	1985	1986	1987	1988	1989
Number of Casualties	2,728	2,785	2,793	5,517	6,757	6,804
Number of Out-Patients	24,800	24,281	24,221	21,163	22,948	23,492
Number of In-Patients	1,907	2,106	2,302	2,630	2,801	2,829

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	1989
Launchings	6	14	10	17	12	21	14	12	9	21	12	16
Persons Rescued	8	0	14	6	14	13	6	4	2	7	6	51

Crime

The Shetland Sub-Division of the Northern Constabulary is run by the Northern Joint Police Committee, administered by the Highland Regional Council. The 1990/91 Requisition from the Shetland Islands Council was £797,023

Number of Police Stations in Shetland 1990

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	1990
21	28	45	36	36	36	35	34	35	35

Number of Crimes and Offences reported to the police

	1983	1984	1985	1986
Group 1: Non-sexual crimes against the person	18	24	19	24
Group 2: Crimes involving indecency	1	9	15	2
Group 3: Crimes involving dishonesty	306	376	346	345
Group 4: Fire-raising, malicious & reckless conduct	171	147	177	133
Group 5: Other crimes	44	77	75	71
Group 6: Miscellaneous	311	403	323	286
Group 7: Offences relating to motor vehicles	743	965	773	926
Total	1,594	2,001	1,728	1,787

	1987	1988	1989
Group 1: Non-sexual crimes against the person	17	20	32
Group 2: Crimes involving indecency	4	10	20
Group 3: Crimes involving dishonesty	319	257	302
Group 4: Fire-raising, malicious & reckless conduct	173	190	249
Group 5: Other crimes	45	67	83
Group 6: Miscellaneous	342	371	371
Group 7: Offences relating to motor vehicles	866	987	1,152
Total	1,766	1,902	2,209

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

The detection rate in respect of crimes as detailed in groups 1-5 above was 66.1% in 1989.

Fire Service

The Fire Service in Shetland is run by the Highlands and Islands Fire Board, administered by Highland Regional Council. The 1990-1991 requisition from Shetland Islands Council was £493,685.

Number of Fire Units in Shetland, 1989

Location	Establishment	Appliances
Retained:		
Lerwick	20 + 2 full-time officers	2 Water Tender Ladders 1 Light Fire Appliance
Brae	18	2 Water Tender Ladders
Volunteer:		
Mid Yell, Sumburgh, Sandwick, Walls, Mossbank, Scalloway, Baltasound, Whalsay and Hillswick	12 per unit	1 Light Fire Appliance for each unit
Bixter, Bressay, Fair Isle, Fetlar, Hamnavoe, Skerries, Foula and Papa Stour	12 per unit	1 Portable Pump, Hose and Ancillary Equipment
Total	242	

Number of fires attended

	1971	1981	1985	1987	1988	1989
Chimney Fires	16	24	64	62	59	67
Special Services (pumping out boats, properties, etc., road traffic accidents)	5	17	7	14	30	33
Property and small fires	17	54	48	45	60	39
False alarms, good intent	2	6	23	17	35	36
False alarms, malicious	1	2	0	3	6	1
Total	41	103	142	142	190	176

Postal Services

Employees, Post Office

	1977	1981	1985	1986	1987	1988	1989	
							Royal Mail Delivery PO Counter Ltd.	
Full Time Postal Staff	66	71	73	66	65	61	52	8
Part Time Postal Staff	23	21	17	19	18	20	17	-
Sub Postmasters	56	55	54	54	54	54	-	(FT) 36 (PT) 18
Ancillary Staff	10	11	11	13	12	7	7	-
Total	155	158	155	152	149	142	76	62

No of Letters Posted Weekly

1972	1977	1981	1985	1986	1987	1988	1989
49,866	52,602	69,400	59,230	56,000	69,271	68,623	65,582

No. of Television Licences

	1972	1977	1981	1985	1986	1987	1988	1989
Mono	4,574	5,399	1,430)				
Colour	0	64	5,217)*				
Total	4,574	5,463	6,647	6,228	6,480	6,774	6,800	6,852

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

Electricity

Breakdown into Categories

	1971	1981	1985*	1987	1988	1989
Domestic			9,941	9,975	10,130	10,278
Farms			55	67	79	87
Industrial			1	1	1	2
Construction			4	15	6	17
Other Commercial			880	899	898	898
Miscellaneous			12	47	50	76
Total	7,169	10,211	10,693	11,004	11,164	11,358

Electricity Generation

	1971-72	1986-87	1988-89	1989-90
Units generated (kilowatt hours)	32,319,000	148,697,310	155,748,310	177,551,775
Maximum demand (megawatts)	11.69	30.50	33.10	36.1

Distribution (all figures: distance in kilometres)

	1971	1981	1987	1988	1989
33,000 Volt overhead lines	24.7	98.0	114.8	128.3	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	817.7	820.8	825.2
11,000 Volt underground cables	15.1	65.5	93.6	94.3	96.1
Low Voltage overhead lines	340.1	345.6	336.1	333.7	330.1
Low Voltage underground cables	18.9	65.6	107.2	111.8	116.1

Telecommunications

Since privatisation British Telecom has refused to release any statistics on the grounds of commercial confidentiality, it has therefore regrettably been decided to discontinue the section on Telecommunications.

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

European Assembly Election result in the Highlands and Islands Constituency:

JUNE 1984	JUNE 1989
Winifred Ewing (SNP)49,410	Winifred Ewing (SNP)66,297
Russell Johnston (Lib/Alliance)33,133	Albert McQuarrie (Con)21,602
David Webster (Con)18,847	Norman MacAskill (Lab)17,848
Jack MacArthur (Lab)16,644	Michael Gregson (Green)12,199
SNP majority16,277	Neil Mitchison (Lib Dem)10,644
	SNP majority44,695

Total Electorate:310,508 (Shetland: 16,057 Total Electorate:317,125 (Shetland: 16,088)

MARCH 1979

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

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

MARCH 1978

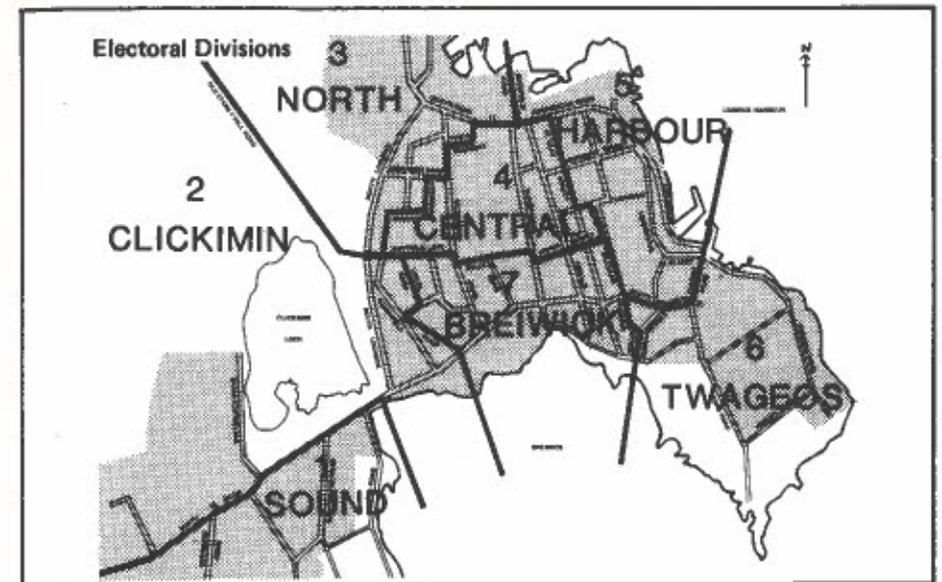
Referendum: In view of the proposals for devolution for Scotland, do you agree that the Shetland Islands Council should continue to press for Shetland's position to be considered through the establishment of a commission as proposed by Mr Grimond?

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

JUNE 1975

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

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



Shetland Islands Council:

Members (May 1990 to May 1994)

Ward	Councillor
1. Lerwick Sound	John J. Graham, 10 Reform Lane, Lerwick, ZE1 0DJ. (Shetland Movement) (Electorate 957. 308 votes; 37% poll; 88% of total votes cast)
2. Lerwick Clickimin	Robert L. Johnson, 11 Andreston Brae, Lerwick. (Electorate 807. 122 votes; 41% poll; 37% of total votes cast)
3. Lerwick North	Leonard G. Groat, 10 Voder View, Lerwick, ZE1 0QE. (Labour) (Electorate 1007. Returned unopposed)
4. Lerwick Central	William A. Smith, 14 Bruce Crescent, Lerwick, ZE1 0PB. (Labour) (Electorate 629. 184 votes; 44% poll; 66% of total votes cast)
5. Lerwick Harbour	Edward Thomason, 14 Mounthooly Place, Lerwick, ZE1 0BL. (Shetland Movement) (Electorate 576. Returned Unopposed)
6. Lerwick Twageos	Lewis S. Smith, 1 Greenrig, Lerwick. (Electorate 664. 179 votes; 62% poll; 44% of total votes cast)
7. Lerwick Breiwick	Cecil B. Eunson, 68 Breiwick Road, Lerwick, ZE1 0DE. (Electorate 619. 241 votes; 49% poll; 80% of total votes cast)
8. Unst	Mrs. Joan Easten, The Sand, Melby, Sandness. (Electorate 664. 200 votes; 46% poll; 65% of total votes cast)
9. Yell North & Fetlar	Andrew W. Williamson, 11 Queens Place, Lerwick. (Shetland Movement) (Electorate 314. 86 votes; 75% poll; 37% of total votes cast)
10. Yell South	Robert S. Gray, Sunnylea, Burravoe, Yell, ZE2 9BA. (Shetland Movement) (Electorate 577. Returned Unopposed)
11. Northmavine	James M. Manson, Murrion, Eshaness. (Electorate 575. 144 votes; 50% poll; 50.35% of total votes cast)
12. Delting North	Miss Andrea Manson, Olna, Brae, ZE2 9QS. (Electorate 923. Returned Unopposed)
13. Delting South	Mrs. Mary U. Colligan, Venndal, Voe. (Electorate 417. Elected Unopposed)
14. Nesting & Lunnasting	Mrs. Greta M. McElvogue, North House, Sweening, Vidlin. (Electorate 382. Elected Unopposed)
15. Bressay	James C. Irvine, 20 Twageos Road, Lerwick ZE1 0BB. (Electorate 251. Returned Unopposed)
16. Scalloway	William A. Anderson, The Sea Chest, East Voe, Scalloway, ZE2 0US. (Shetland Movement) (Electorate 779. 183 votes; 36% poll; 66% of total votes cast)
17. Tingwall, Whiteness & Weisdale	Alexander Arthur, Schoolhouse, South Nesting, ZE2 9PP. (Independent) (Electorate 810. Returned Unopposed)

Ward	Councillor
18. Whalsay & Skerries	Henry A. Stewart, 2 Gardentown, Symbister, Whalsay, ZE2 9AB. (Independent) (Electorate 802. Returned Unopposed)
19. Sandsting & Aithsting	Mrs. Florence B. Grains, Hoove, Whiteness, ZE2 9LL. (Electorate 626. Returned Unopposed)
20. Walls & Sandness	James R. Gear, Magdala, Foula. (Electorate 538. Elected Unopposed)
21. Gulberwick, Quarff & Cunningsburgh	Mrs. Joan McLeod, 2 Dandiegath, Cunningsburgh, ZE2 9JP. (Electorate 715. Returned Unopposed)
22. Burra & Trondra	George W. Pottinger, Islesview, Hamnavoe, Burra Isle. (Electorate 688. 213 votes; 56% poll; 55 % of total votes cast)
23. Sandwick	Mr. James L. B. Smith, Bakkabrent, Sandwick, ZE2 9HP. (Shetland Movement) (Electorate 614. Returned Unopposed)
24. Dunrossness North	William Tait, Bonavista, East Ireland, Bigton, ZE2 9JA. (Electorate 386. Returned Unopposed)
25. Dunrossness South	Magnus L. Flaws, Westvoe, Virkie, ZE3 9JN. (Shetland Movement) (Electorate 633. 228 votes; 45% poll; 80% of total votes cast)

Rating and Valuation

	Rate per £			Total	Total Rateable
	Non-Domestic	Domestic	Water	Non-Domestic R/V	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

	1990-91 £
Non-Domestic Rates*	
General	0.37p
Water	0.53p
Sewerage	0.101p
Total	0.524p
Total Non-Domestic R/V	52,286,640
Community Charge**	
General	71.46p
Water	40.04p
Sewerage	15.80p
Total	127.30p

* 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	Joe Gray,	Grantfield, Lerwick, ZE1 0NT.
Design & Technical Services	Alistair Inkster,	Hayfield House, Hayfield Lane, Lerwick, ZE1 0QD.
Education	Robin Barnes,	Brentham House, Harbour Street, Lerwick, ZE1 0LR.
Environmental Health & Trading Standards	Martin Hall,	3 Commercial Road, Lerwick, ZE1 0LX.
Finance	Malcolm Green,	Breiwick 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, Sella 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

	(Net) Revenue Expenditure £000	1989/90 Capital Expenditure £000	(Net) Revenue Expenditure £000	1990/91 Capital Expenditure £000
Development	1,780	323	2,090	301
Leisure & Recreation	1,781	61	3,731	235
Education	19,808	1,363	20,911	1,418
General Services:				
Cleansing	779	148	925	107
Sewerage	0	501	0	300
Other	1,408	221	1,535	641
Housing Revenue	594	6,128	816	8,276
Other Housing	1,115	709	1,170	951
Ports & Harbours	0	2,032	0	4,612
Policy & Resources				
Police & Fire	1,283	0	1,295	0
Capital Fund	7,327	0	6,278	0
Housing Capital Fund	0	0	0	0
Sullom Voe Terminal	-10,092	0	-10,138	0
Uncallocated Reserve:				
Fund Contributions	0	0	0	0
Repairs & Renewals Fund	0	0	0	0
Other	1,512	604	1,757	1,692
Roads & Transport:				
Roads	9,240	3,248	11,650	3,697
Ferries	3,671	1,762	4,515	924
Other Transport	624	189	803	735
Social Work	3,564	105	3,860	264
Water	0	471	0	981
Contingency Reserve	0	0	2,794	0
Total	44,394	17,865	53,992	25,134

Source of Finance for Revenue Expenditure

	1989/90 £000	1990/91 £000
Community Charge	1,517	1,194
Non-Domestic Rates	22,377	18,548
Revenue Support Grant	20,114	33,901
Interest on Revenue		
Balances	386	350
Total	44,394	53,993

Community Council Clerks

Aithsting & Sandsting	Clerk:	Mrs. L. Fraser, West Burrafirth, Bridge of Walls, ZE2 9NT. Walls 203
Bressay	Clerk:	Mrs. K. Manson, Leiranes, Bressay, ZE2 9EL. Bressay 347
Burra & Trondra	Clerk:	Mrs. F. Tulloch, 2 Sunnybank, Bridge End, Burra, ZE2 9LD. Hamnavoe 402
Delting	Clerk:	Mrs. E. Thomason, 24 Hamarsgarth, Mossbank, ZE2 9TH. Sullom Voe 242733
Dunrossness	Clerk:	J. A. F. Smith, 2 Toab Geo, Virkie, ZE3 9JJ. Sumburgh 64647
Fetlar	Clerk:	Mrs. L. Baisley, Gord, Fetlar, ZE2 9DJ. Fetlar 227
Gulberwick, Quarff & Cunningsburgh	Clerk:	R. Jarmson, Meal, Cunningsburgh, ZE2 9HF. Cunningsburgh 259
Lerwick	Clerk:	Mrs. H. Anderson, Community Council Office, Stouts Court, Lerwick, ZE1 0AF. Lerwick 3483
Nesting & Lunnasting	Clerk:	Mrs. M. Stonehouse, Kirkabister, Vidlin, ZE2 9QB. Vidlin 283
Northmavine	Clerk:	Mrs. E. Manson, Murrion, Eshanes, ZE2 9RS. Hillswick 255
Sandness & Walls	Clerk:	Mrs. L. Fraser, West Burrafirth, Bridge of Wall, ZE2 9NT. Walls 203
Sandwick	Clerk:	Mrs. R. Inkster, Wainui, Hoswick, Sandwick, ZE2 9HL. Sandwick 284
Scalloway	Clerk:	Mrs. C. Jones, 16 Port Arthur, Scalloway, ZE2 0UW. Scalloway 516
Unst	Clerk:	Mrs. J. Ritch, Janefield, Baltasound, ZE2 9DX. Baltasound 465
Whalsay & Skerries	Clerk:	H. A. Stewart, 2 Gardentown, Symbister, ZE2 9AB. Symbister 337
Whiteness, Weisdale & Tingwall	Clerk:	Mrs. B. Nicolson, Kaitrins, Hellister, Weisdale, ZE2 9LR. Weisdale 330
Yell	Clerk:	D. R. A. Rushton, Stonganess, Cullivoe, ZE2 9DE. Gutcher 234

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

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.

General Interest

	£
Balneaves, E.	The Windswept Isles *
Butler, D.	Isle of Noss Guide 1.90
Dif, G.	Shetland, Terre du Vent 32.00
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 *
Flinn, D.	Travellers in a Bygone Shetland 17.50
Gear, S.	Foula. Island West of the Sun 10.95
Graham, J.J.	The Shetland Dictionary 8.40
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
	No. 2: The Island of Unst 3.00
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 *
Laurenson, G.	Northern Star to Southern Cross 15.50
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
Nicolson, J. R.	Shetland Folklore 8.75
Nicolson, J. R.	Traditional Life in Shetland 7.95
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 *
Tait, C. S.	Spindrift (collected poems) 8.95
Thom, V.	Fair Isle, An Island Saga 12.95
Waterson, G. & Jones, J.	Fair Isle, A Photographic History *
Wills, J.	Old Rock (Photo Collection) 14.95
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 &	Proposals for a Fisheries Management

Orkney Islands Council
 Shetland Islands Council
 Research & Development Dept.
 Wilcox, J.

Scheme in the Orkney & Shetland Area
 Economic Development Strategy for Shetland 1984

The Shetland Knitwear Industry: Development through
 the '80s (1984)

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	*

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 Research & Development Dept.	Shetland's Oil Era	12.00

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

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