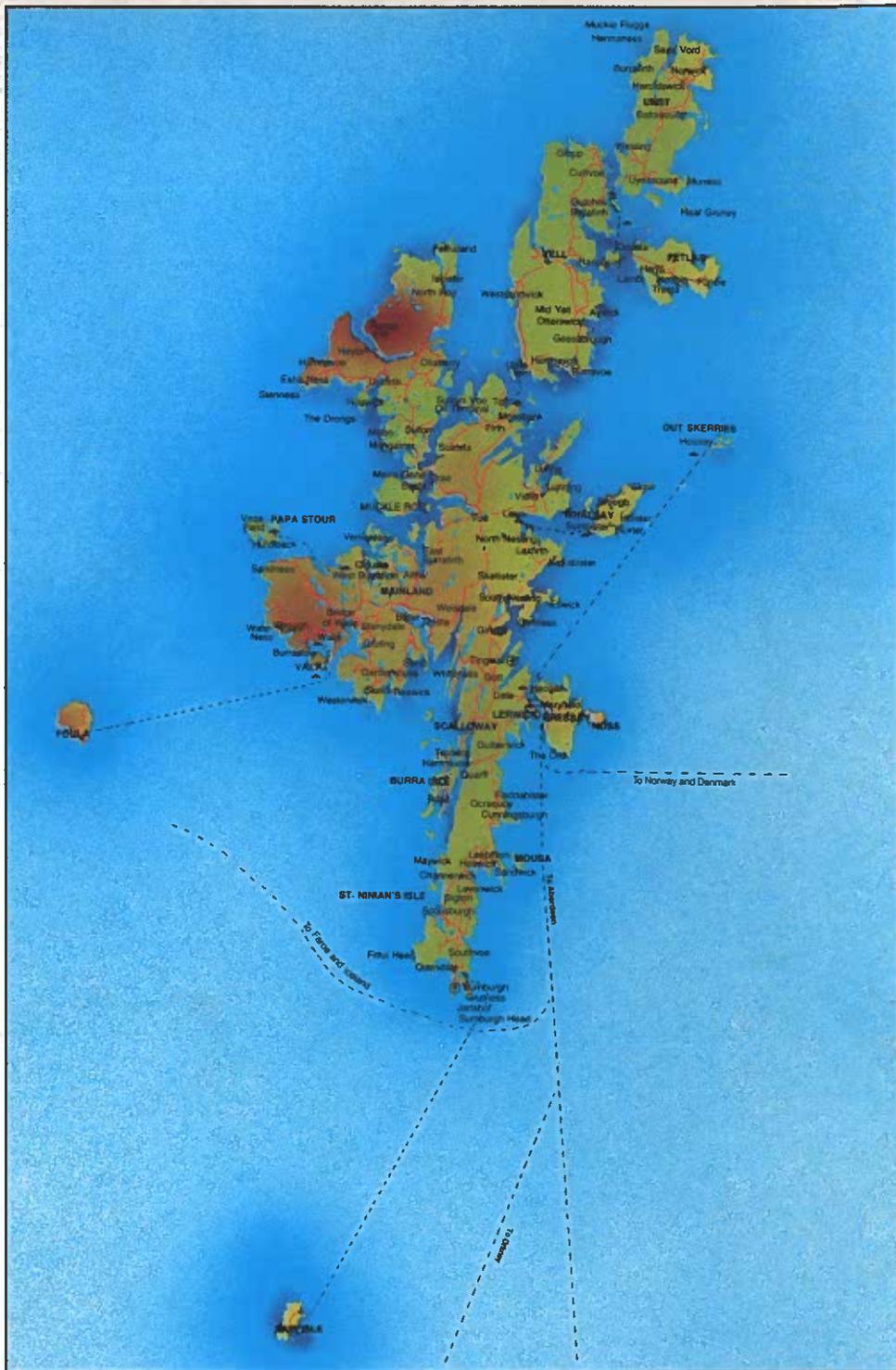
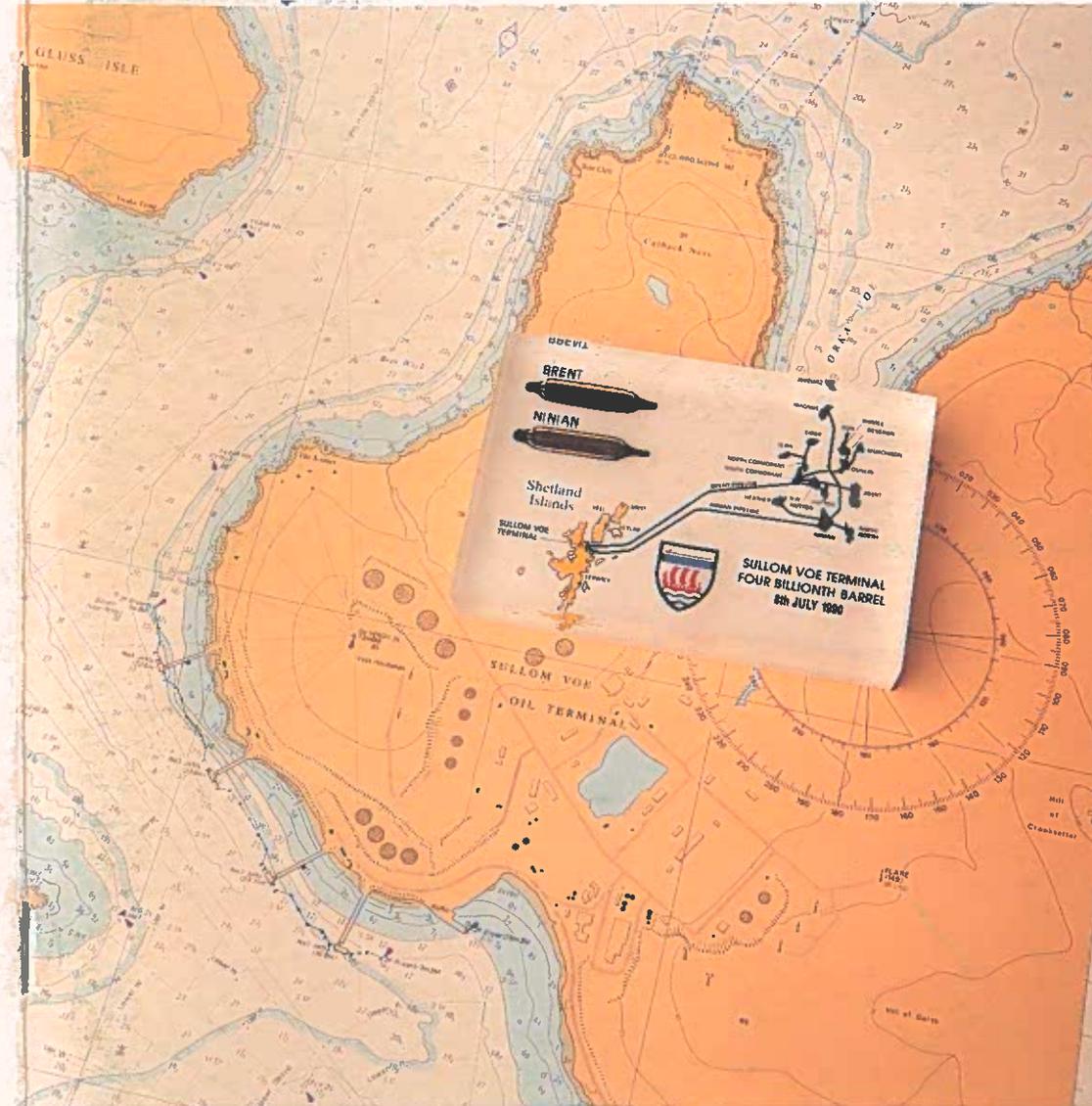




Shetland in Statistics



Map supplied by Shetland Islands Tourism



£2.00

No.20

1991

SHETLAND IN STATISTICS 1991

Errata:

p.12 Population of Shetland By Area

From 1981 onwards Delting and Nesting were combined.

Missing figures are:-

1981	1987	1989
2,755	2,877	2,732

p.14 Population Breakdown By Age and Sex

90+ category is a further sub-division which only applies to the 1990 table.

p.22 Pelagic Landings in Shetland

line 8; for '1190' read '1990'

p.37 Red Triangle near Bus Station should be labelled 'Assessor'

p.49 Sumburgh Airport Traffic

Fixed Wing Scheduled Passengers 1989 should be '73,966'

Shetland in Statistics



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Cover photo:

Memento given to Sullom Voe staff on the occasion of the throughput of the four billionth barrel.
Courtesy Peter Guy, External Services, BP Sullom Voe.
Chart of Sullom Voe with grateful acknowledgement to SIC Ports & Harbours and the Hydrographic Office.
Photo by: Dennis Coutts, Lerwick.

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

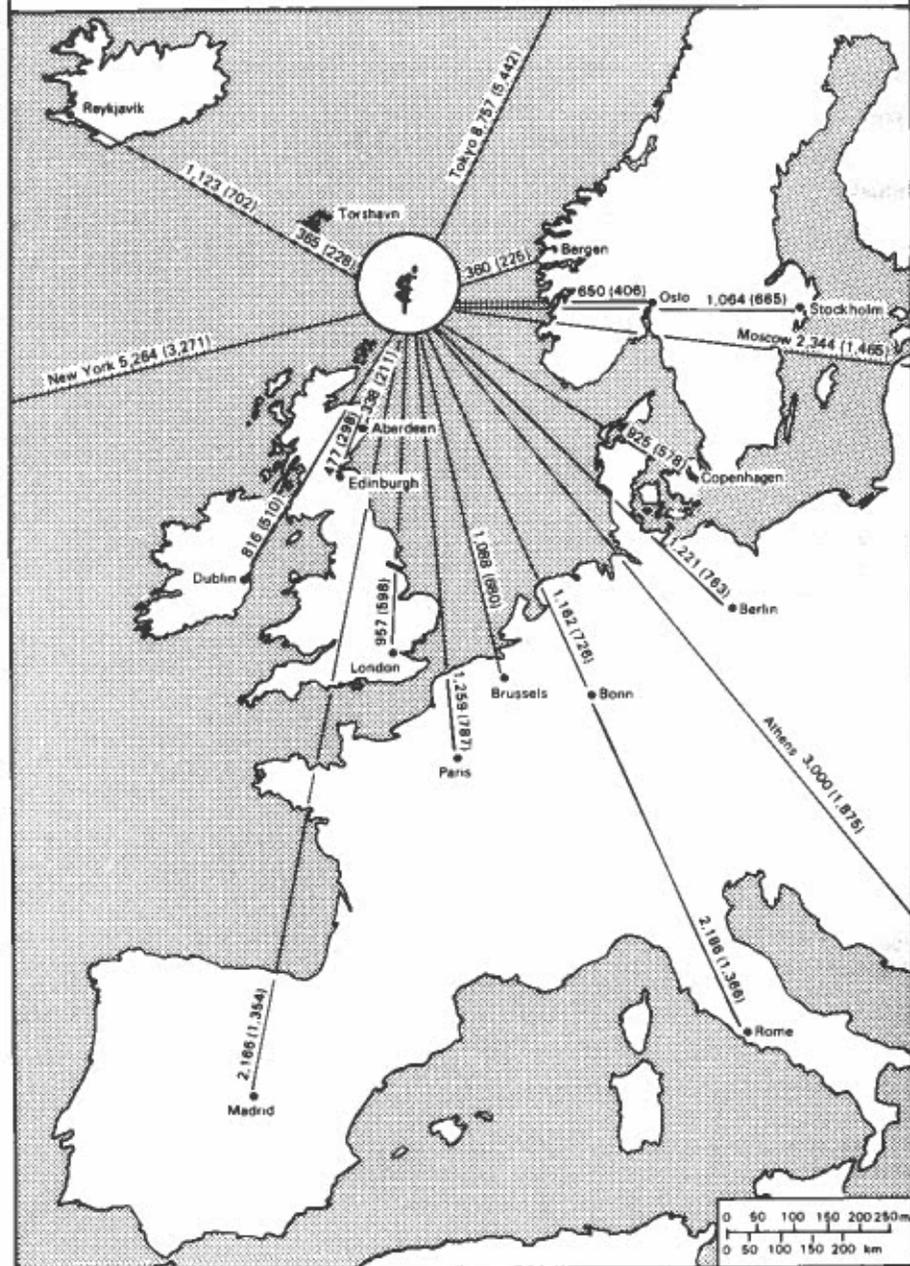
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Shetland: Location

Lerwick is Lat 60° 9' N
Lon 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)*

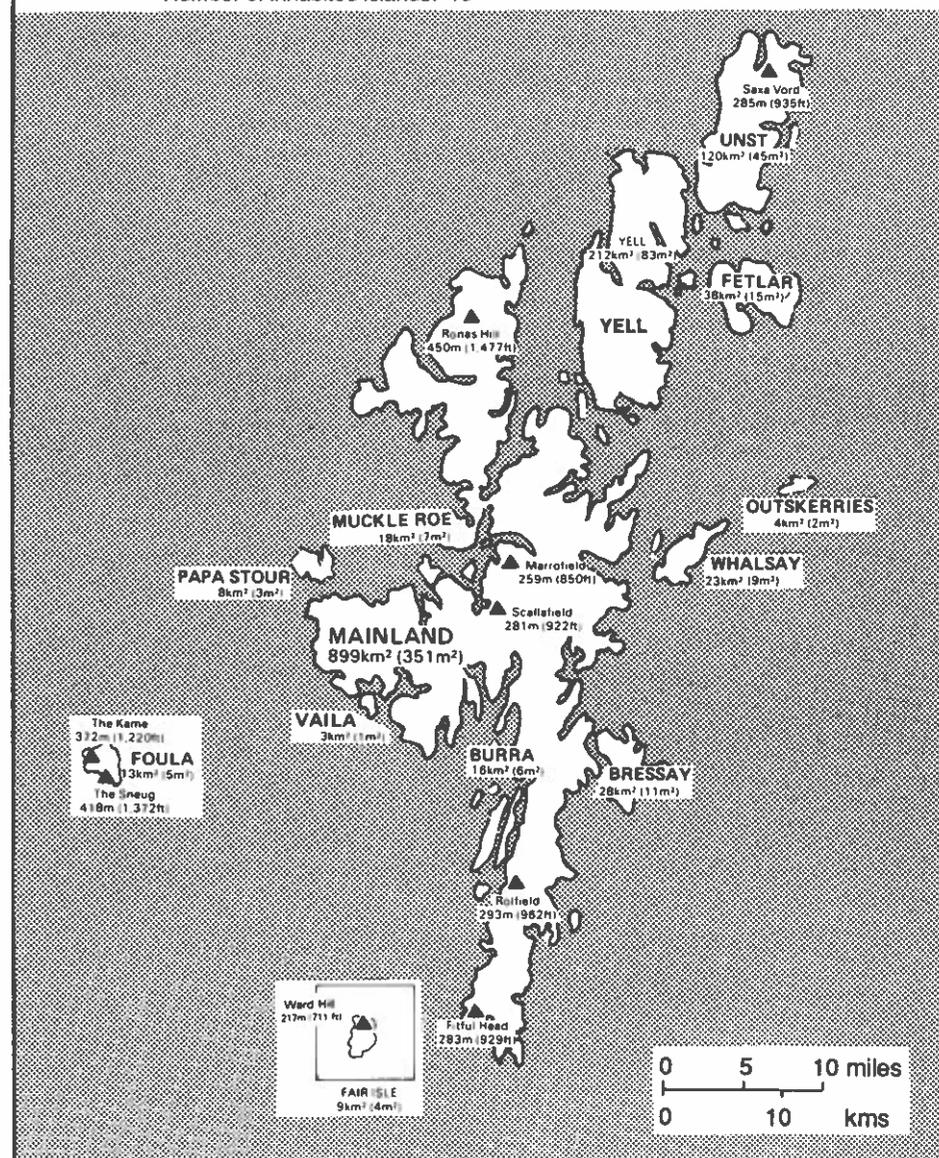
Total Length of coastline: approx. 1,450 kilometres (900 miles)**

* Ordnance Survey, 1988

** Prof. D. Flinn, 1975 estimate

Number of islands: 100+

Number of inhabited islands: 15



Distance by road in kilometres (miles) from Lerwick

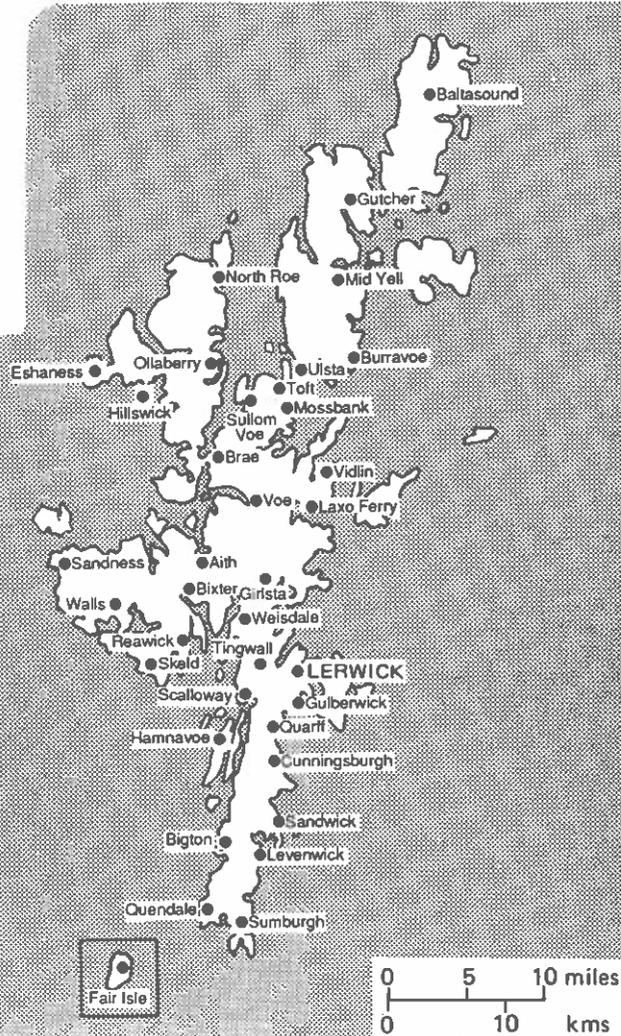
Aith	34(21)	Laxo Ferry	35(22)	Scalloway	13(8)
Bigton	30(19)	Levenwick	28(18)	Skeld	40(25)
Bixter	27(17)	Mossbank	43(27)	Sullom Voe	46(29)
Brae	35(22)	North Roe	61(38)	Sumburgh	40(25)
Cunningsburgh	18(11)	Ollaberry	53(33)	Tingwall	10(6)
Eshaness	62(39)	Quarff	11(7)	Toft Ferry	43(27)
Girlsta	16(10)	Quendale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



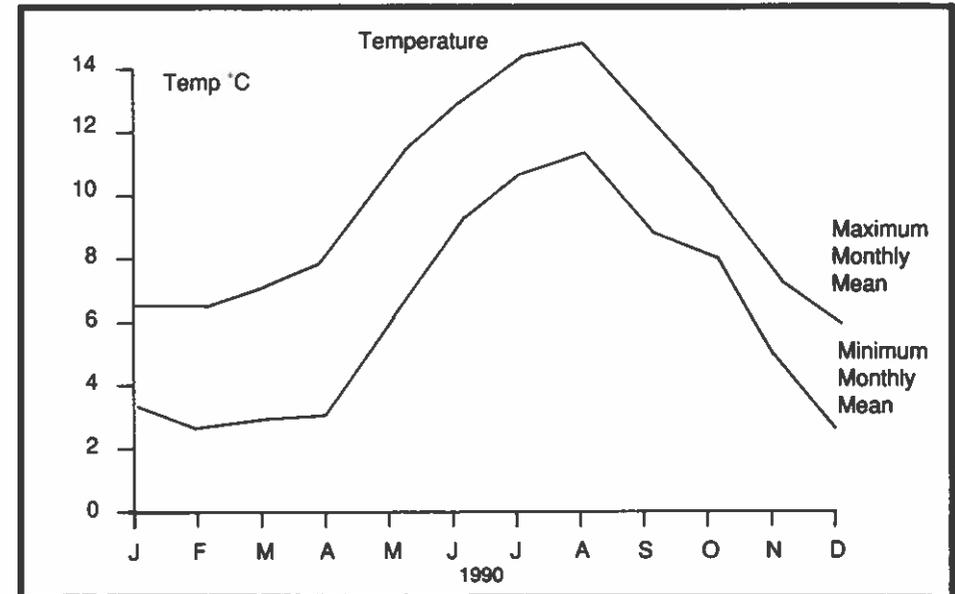
Climate

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 1990 are as follows:

Temperature (degrees C)

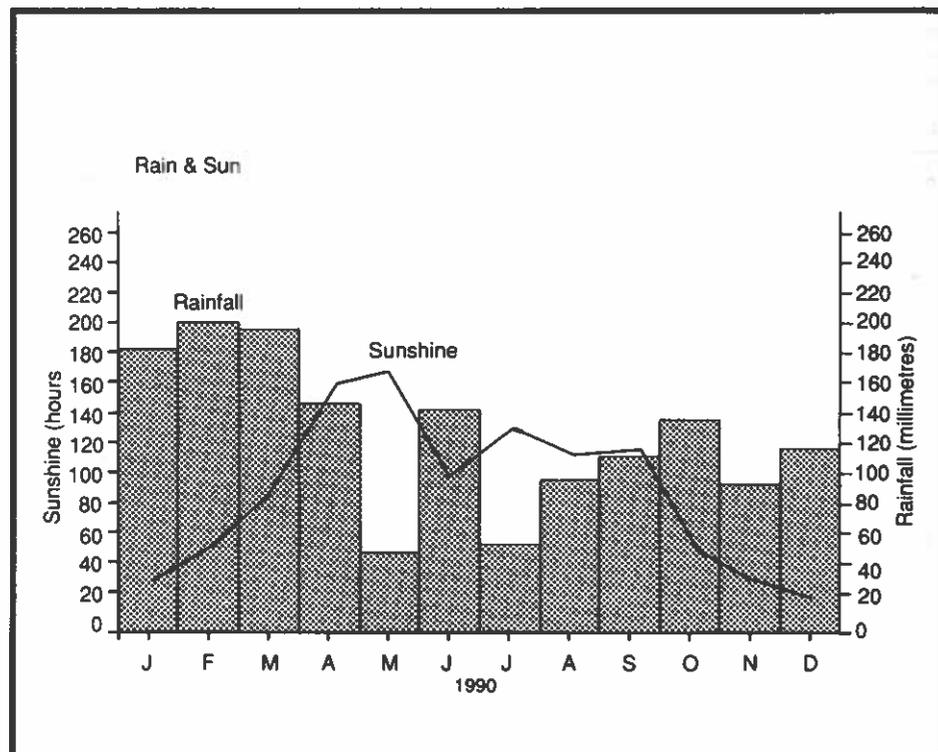
	1990		1951-80		Extreme daily values (1922-1990)	
	monthly mean	monthly mean	monthly mean	monthly mean	Max. (Year)	Min. (Year)
Jan	6.5	3.7	5.1	1.0	11.7 ('32,'50)	-8.9 ('52,'59)
Feb	6.4	2.8	4.9	0.7	11.7 ('45)	-7.3 ('80)
Mar	7.2	3.0	6.0	1.7	13.3 ('61)	-8.3 ('47)
Apr	7.9	3.1	7.8	2.6	16.1 ('42)	-5.7 ('68)
May	10.8	5.7	10.0	5.0	19.4 ('54)	-2.8 ('23)
Jun	12.4	8.4	12.5	7.4	23.3 ('58)	-0.6 ('24,'29,'31,'51)
Jul	14.0	9.6	13.7	9.0	22.8 ('26,'58)	3.3 ('21)
Aug	14.6	10.4	14.0	9.4	21.5 ('82)	1.7 ('21)
Sep	12.2	7.7	12.5	8.1	19.4 ('53)	-0.6 ('54)
Oct	10.3	7.4	10.3	6.3	17.2 ('55)	-3.3 ('48)
Nov	7.4	4.5	7.4	3.3	13.9 ('46)	-5.7 ('62)
Dec	5.9	2.5	6.0	1.8	12.2 ('48)	-8.2 ('61)
Year	9.6	5.7	9.2	4.7		



Monthly totals

	Sunshine (hours)		Rainfall (millimetres)	
	1990	Extreme daily values (1921-1990)	1990	Extreme daily values (1921-1990)
Jan	20.7	(23.1)	183	(127)
Feb	46.3	(54.2)	199	(93)
Mar	84.1	(84.0)	191	(93)
Apr	152.4	(135.1)	143	(72)
May	162.5	(152.2)	44	(64)
Jun	88.2	(158.5)	134	(64)
Jul	133.4	(124.9)	54	(67)
Aug	112.8	(117.8)	108	(78)
Sep	115.6	(95.3)	126	(113)
Oct	46.2	(63.5)	136	(119)
Nov	31.3	(32.8)	94	(140)
Dec	18.7	(14.9)	117	(147)
Year	1,012.2	(1,056.3)	1,529	(1,177)

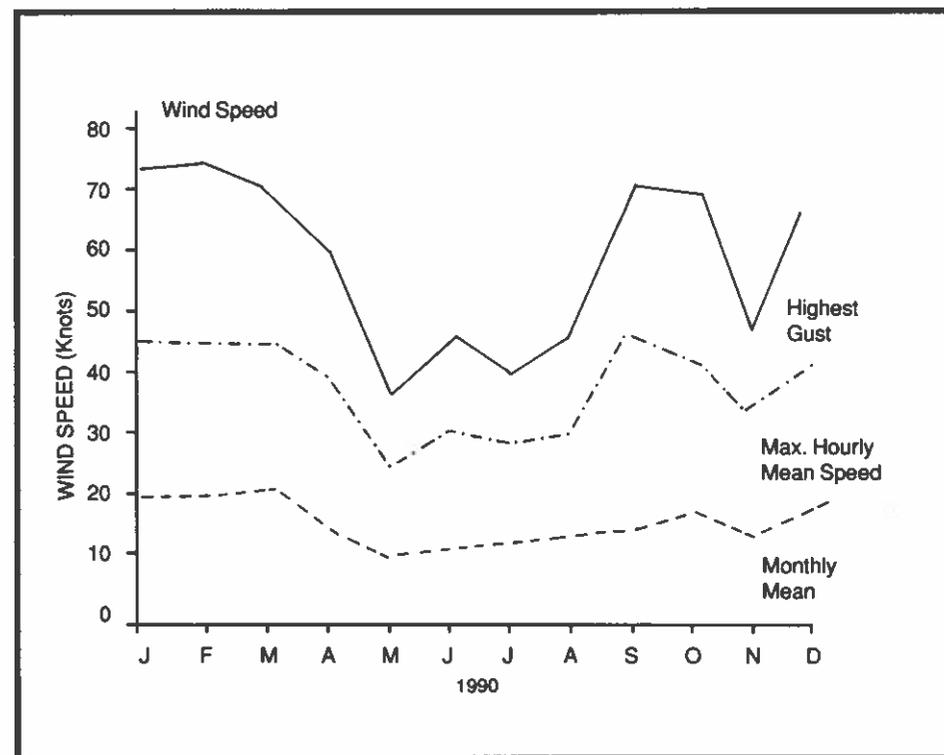
Figures in brackets are 1951-1980 averages.

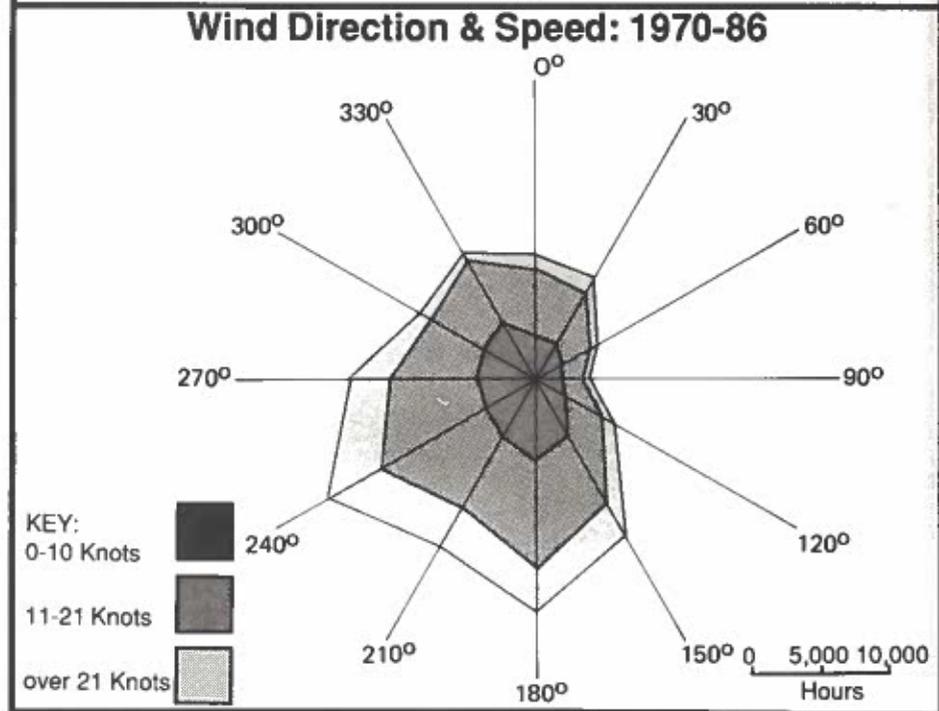
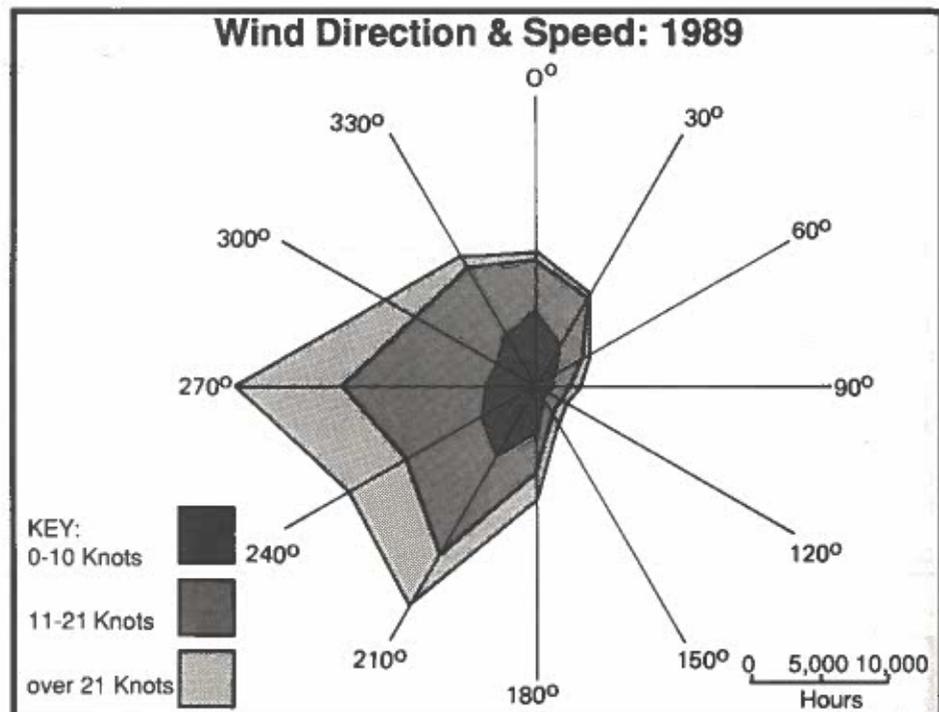


Wind Speed (knots)

	Max hourly mean speed			Highest Gust				
	1990	1951-1985	1990	1922-1990 Direction	Year	1990	1922-1990 Direction	Year
Jan	19.3	(16.9)	45	(64 360	'53)	72	(95 220	'61)
Feb	19.8	(15.4)	45	(56 230	'81)	74	(83 280	'43)
Mar	21.3	(15.9)	44	(53 240	'67)	70	(83 220	'57)
Apr	16.2	(13.3)	39	(56 220	'57)	70	(77 240	'67)
May	9.0	(11.9)	24	(55 250	'57)	57	(78 250	'57)
Jun	10.1	(11.7)	30	(44 100	'82)	33	(65 110	'82)
Jul	11.0	(11.3)	27	(42 260	'55)	44	(61 260	'55)
Aug	10.7	(10.9)	29	(40 030	'40)	39	(61 290	'64)
Sep	12.8	(13.2)	43	(50 240	'23)	45	(71 240	'23)
Oct	15.2	(15.0)	40	(59 210	'78)	66	(87 260	'63)
Nov	12.1	(15.4)	35	(58 230	'65)	63	(90 250	'80)
Dec	16.8	(16.9)	40	(51 220	'73)	51	(80 280	'36)
				(51 240	'73)		(80 220	'38)
				(58 260	'49)	65	(90 220	'56)

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





No. of days in 1990 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Fog	Rain
Jan	9 (14.3)	2 (10.3)	2 (0.8)	11 (7.9)	0 (0.5)	29 (26)
Feb	11 (11.1)	4 (9.9)	2 (0.7)	13 (4.7)	0 (0.4)	26 (20)
Mar	15 (11.9)	3 (7.2)	4 (0.3)	15 (5.4)	0 (1.0)	28 (21)
Apr	11 (7.4)	5 (4.7)	0 (0.1)	6 (1.8)	0 (1.5)	22 (19)
May	0 (2.3)	0 (0.6)	0 (0.1)	0 (0.9)	0 (2.2)	9 (17)
Jun	0 (0.1)	0 (0.0)	0 (0.3)	0 (0.6)	2 (2.5)	18 (16)
Jul	0 (0.0)	0 (0.0)	1 (0.4)	0 (0.4)	1 (3.0)	17 (17)
Aug	0 (0.0)	0 (0.0)	0 (0.3)	0 (0.5)	1 (2.8)	22 (17)
Sep	1 (0.1)	0 (0.0)	0 (0.1)	3 (2.4)	1 (2.2)	22 (20)
Oct	0 (1.4)	0 (0.5)	1 (0.2)	4 (4.6)	0 (1.6)	22 (22)
Nov	0 (8.3)	0 (4.4)	0 (0.9)	2 (5.5)	0 (0.2)	24 (25)
Dec	13 (12.2)	6 (8.1)	0 (0.5)	10 (7.9)	2 (0.6)	28 (25)
Year	60 (69.1)	20 (45.7)	10 (4.6)	64 (42.5)	7 (18.6)	267 (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 1990

Temperature (deg. C.)

Max. Temp.	30th July	19.0
Min. Temp.	7th December	-3.8

Sunshine (hours)

Sunniest Day	3rd May	14.7
Sunniest Month	May	162.5

Rainfall (millimetres)

Wettest Day	30th June	26.5
Wettest Month	February	199
Driest Month	May	44

Wind Speed (knots)

Highest Gust	19th February	74
Windiest Month	March	21.3
		(monthly mean)

Population

The "usually resident" population at the time of the 1981 census was 22,768. This figure does not include temporary residents, mainly construction workers at the Sullom Voe Terminal. The population present on the census night was 22,277. The provisional count from the 1991 Census (21st April) was 22,017.

1990

In-migrants 1,757 Births 218
 Out-migrants 2,021 Deaths 254

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			
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
Sandwich/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.....	21,131	19,352	17,812	17,326	23,130	22,903	23,214

Figures in cols. 1 - 5: Population Census.

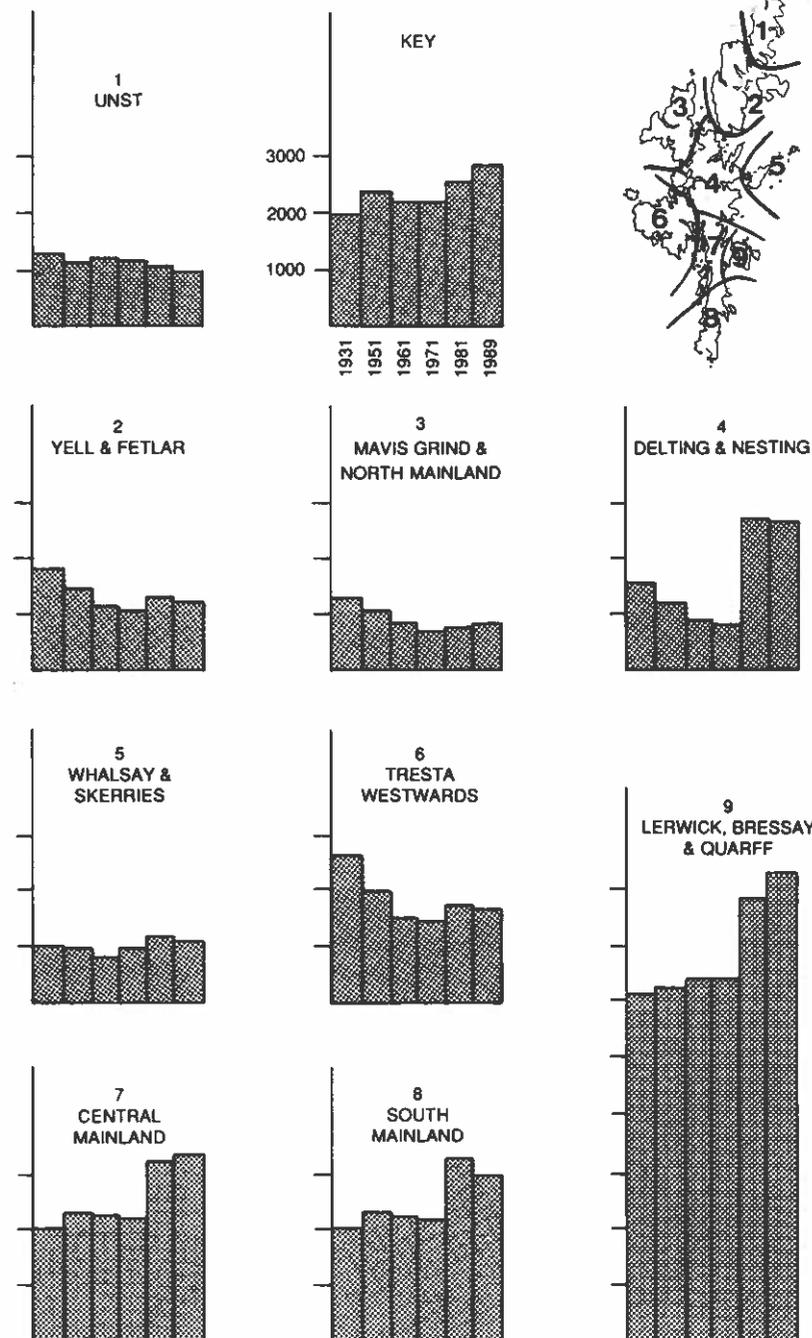
Figures in cols. 6 - 7: Shetland Health Board (estimates).

*Boundary change.

**Figures for 1989 are for December not June

Note: Shetland Health Board estimates are no longer available for the areas shown in the Table. However 1991 Census figures will be shown in the 1992 edition.

Population 1931 -- 1989 by area



Population Breakdown by Age and Sex

Age Group	1981			1990		
	Males	Females	Total	Males	Females	Total
0-4	888	890	1,778	830	801	1,631
5-9	901	881	1,782	797	780	1,577
10-14	959	913	1,872	905	839	1,744
15-18	907	846	1,753	766	779	1,545
20-24	886	791	1,677	715	684	1,399
25-29	1,006	852	1,858	1,015	941	1,956
30-34	1,052	874	1,926	911	854	1,765
35-39	857	782	1,639	838	836	1,674
40-44	706	577	1,283	864	845	1,709
45-49	571	518	1,089	619	715	1,334
50-54	503	520	1,023	494	545	1,039
55-59	542	516	1,058	428	484	912
60-64	385	488	873	381	487	868
65-69	443	510	953	386	507	893
70-74	371	512	883	296	429	725
75-79	239	411	650	277	397	674
80-84	157	259	416	164	322	486
85+	64	191	255	78	178	256
90+				25	58	83
Total	11,437	11,331	22,768	10,789	11,481	22,270

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 (a)	1977 (b)	1981 (c)	1983 (d)	1988 (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

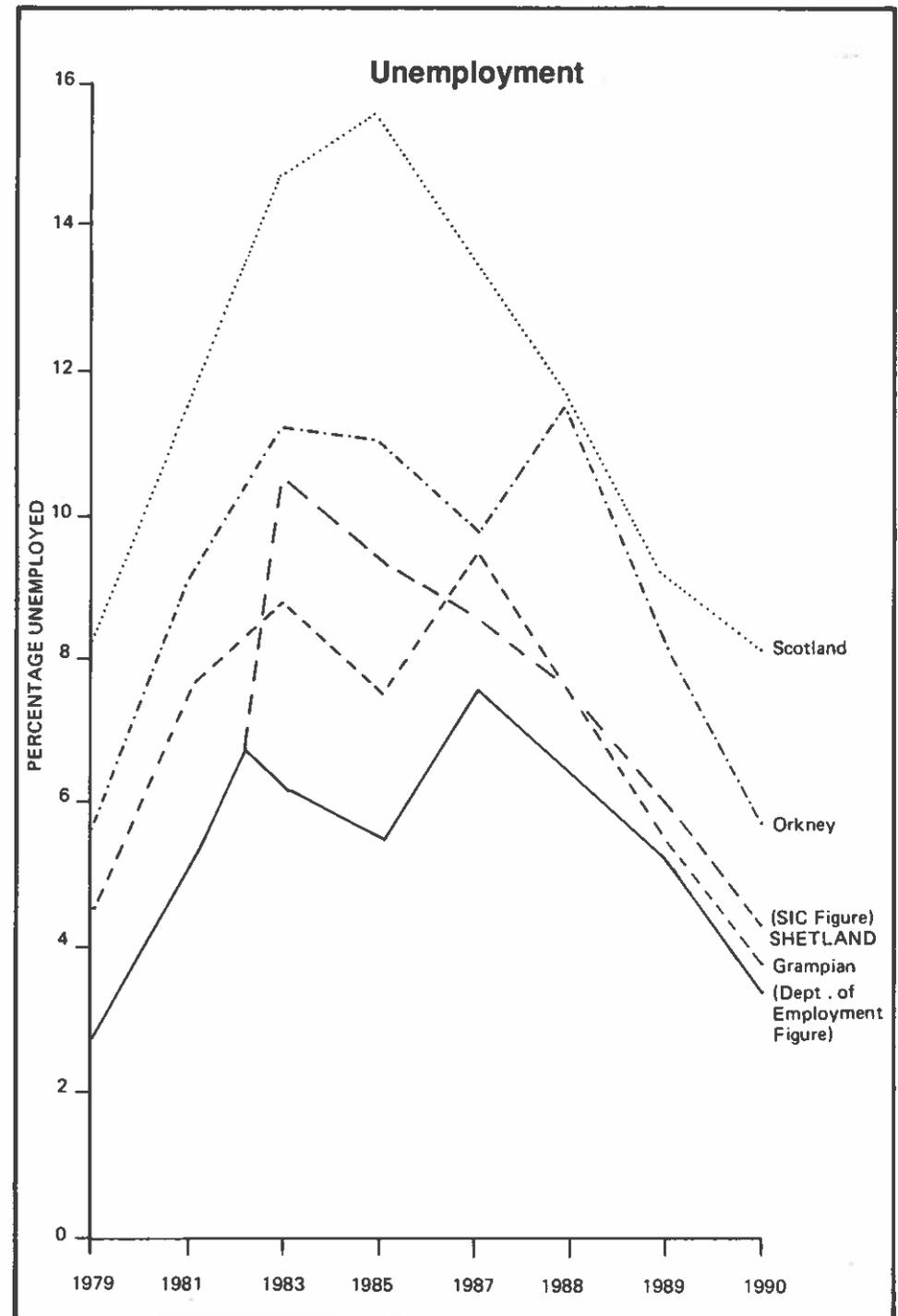
	1977	1979	1981	1985	1987	1988	1989	1990
Shetland %	4.0	2.8	5.3	7.6	6.4	5.8	4.1	3.4
Actual Jan:	213	220	402	899	740	657	402	354
Figures July:	289	233	457	766	611	440	389	366
Orkney %	4.8	5.7	9.0	9.5	11.2	7.9	6.4	5.9
Western Isles %	14.0	11.8	20.1	17.3	20.2	14.3	11.5	12.6
Grampian %	4.3	4.6	7.6	9.4	7.5	5.3	3.9	3.9
Strathclyde %	9.8	9.8	16.1	18.0	15.6	12.6	11.4	11.7
Scotland %	8.6	8.1	13.5	13.7	11.3	9.1	9.0	8.0

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	1987/8
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.
Source: McNicoll Survey and R&D Dept. Estimates.



Youth Unemployed in Shetland:

	1980		1985		1986		1987		1988		1989		1990	
	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June
Unemployed	9	34	54	129	49	142	48	164	46	108	24	53	13	13
On Schemes	5	7	97	90	120	100	127	126	210	204	239	213	233	215
Total	14	41	151	219	169	242	175	290	256	312	263	266	246	228

(Source: SIC Education Dept. Careers Service)

Agriculture

	1971	1981	1988	1989	1990
Land Use: (Figures to nearest hectare)					
Tillage.....	1,410	1,062	889	950	909
Grassland & Crops.....	8,407	8,400	12,795	12,840	13,312
Rough Grazing (including common grazings).	129,019	133,160	130,457	130,736	130,959
Total area rented.....	38,130	36,046	35,517	35,832	36,125
Total area owned.....	28,161	30,368	33,154	33,368	33,278
Number of holdings.....	2,439	2,240	2,163	2,177	2,189
Number of common grazings.....	93	93	97	97	99
Area Under Crops: (Figures to nearest hectare)					
Grass (excluding rough grazing)	6,998	7,338	11,907	12,237	12,403
Barley & Oats.....	857	511	307	329	321
Turnips & Swedes.....	134	103	112	117	110
Kale & Cabbage.....	73	34	31	32	29
Potatoes.....	256	232	175	172	159
Other Crops.....	17	25	56	129	8
Veg. for Human Consumption (included in Other Crops prior to 1988)					
Livestock:					
Beef Cows & Heifers.....	2,492	1,896	2,347	2,323	2,288
Dairy Cows & Heifers.....	791	593	691	697	641
Total Cattle.....	6,945	5,103	6,353	6,092	5,909
Breeding Ewes & Gimmers.....	-	-	195,291	172,591	199,261
Total Sheep.....	264,779	297,558	352,054	358,740	362,034
Pigs.....	9	83	45	35	41
Poultry.....	12,950	8,672	4,702	4,692	4,446
Registered Slaughter Houses....	9	8	4	4	4
Sheep Slaughtered.....	8,417	9,592	6,169	6,587	6,395
Cattle Slaughtered.....	485	278	430	643	234
Pigs Slaughtered.....	-	-	54	6	23
Sheep Exported.....	43,464	60,542	101,727	99,524	n/a
Cattle Exported.....	1,947	2,066	2,427	1,515	n/a
Ponies Exported.....	417	407	218	234	n/a
Pigs Exported.....	-	-	-	1	n/a
Wool Production (Kilos).....	n/a	c.212,000	c.310,000	c.300,000	c.300,000

	1976	1981	1988	1989	1990
Milk:*					
Dairy Units.....	23	23	18	19	17
Milk Production (Litres).....	1,428,975	2,069,550	2,680,493	2,688,307	2,677,230
Employment:**					
Full & part-time employees.....	222	204	262	266	263
Full & part-time occupiers.....	439	457	1,129	1,133	1,129
Others (including occupiers less than half time, wives/husbands of occupiers and casual/seasonal labour).....	584	718	1,032	1,050	740

*Source: SIC Dept. of Environmental Health and Trading Standards

** 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	1988	1989	1990
Land Improvement (figures to the nearest hectare unless stated)					
Reclamation.....	22	16	15	36	11
Reseeding.....	120	283	54	593	252
Regeneration.....	-	-	353	217	127
Laying to Permanent Pasture.....	-	-	-	-	-
Drainage (metres).....	18,471	20,864	91,500*	90,400	59,810*
Apportionments.....	183	1,305	1,009**	394**	571
Grant Aided Capital Investment					
New Silos.....	8	1	3	3	4
Fanks and Dippers.....	4	6	13	8	9
New Byres.....	4	2	0	0	0
GP Sheds.....	6	10	12	11	29
Slatted Courts.....	2	1	0	0	4
Cubicle Houses.....	0	2	0	0	0
New Croft Houses.....	0	17	13	17	19
Croft House Improvements.....	n/a	3	4	10	14

In 1990 Shetland accounted for 15.66% of claims and 15.22% of the total expenditure of the Crofters Commission. Orkney accounted for 9.11% of claims and 7.58% of total expenditure, and Caithness accounted for 11.40% of claims and 13.43% 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 1990 piped drainage 2,760m.

** From 1st January 1990 to 31st December 1990, 47 apportionment applications were received, and 39 apportionments were granted for a total area of 571 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 250 agricultural loans approved up to and including the Trustee's meeting of 21st December 1990.

Development Projects:

Type of Project	Numbers	Hectares	Metres	Gross Cost
Drainage/Ditching		75.70	373,286	£ 311,975
Fencing		218.50	451,963	£ 832,633
Roads			29,017	£ 182,606
Reseeding		3,681.70		£1,246,092
Buildings				£2,423,747
Machinery				£1,042,197
Livestock: Sheep	11,958			£ 359,201
Cattle	436			£ 207,645
Pigs	7			£ 820
Land Purchased/Assigned		3,054.49		£ 748,608
Loan to NEF to provide				£ 32,000
Emergency Stockpile of Animal Feedstuffs				£ 77,035
Other (Horticultural & Drystone Dykes)				£ 263,411
Allowance for Inflation				
Total Gross Cost				£7,727,963
Financed by: Grants (from D.A.F.S., H.I.D.B. and S.I.C. Reserve Fund)				£2,829,302
Personal Contributions (A minimum of 15% of the Gross costs before inflation. This does not apply to the £32,000 Emergency Stockpile)				£1,168,120
Loans from the SIC Charitable Trust				£3,730,541
Balance of Funds				£ 456,513
Sums Relinquished/Loans Withdrawn				£ 441,513
Scheme Total				£3,746,000

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. (Source: SIC Dept. of Finance).

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	9,436	341,502
1989	12,427	10,735,844	1033	1,134,586	7,947	304,986
1990						
Jan	798	1,034,116	20	27,637	-	-
Feb	1,162	1,384,410	46	62,788	-	-
Mar	948	1,095,722	88	123,244	-	-
Apr	905	1,128,380	66	91,719	286	12,292
May	1,094	1,122,335	124	151,043	2,233	92,243
Jun	1,122	1,117,063	164	173,977	6,825	306,194
Jul	736	844,795	138	144,989	1,200	53,926
Aug	935	1,055,872	1	1,509	-	-
Sep	866	939,407	229	202,460	-	-
Oct	859	1,002,974	98	99,447	-	-
Nov	1091	1,139,276	94	123,013	-	-
Dec	846	955,971	42	113,223	-	-
Total	11,362	12,820,321	1,110	1,315,049	10,544	464,655

* Excluding pelagic landings

Included in White Fish Total

	1988		1989		1990	
	Tonnes	£	Tonnes	£	Tonnes	£
Cod	2,958	2,646,931	2,722	2,548,416	2,497	2,932,399
Haddock	5,118	3,116,143	3,140	2,354,826	2,466	2,702,298
Whiting	2,561	1,487,444	2,444	1,343,543	1,958	1,472,432
Monk Fish	1,575	2,285,061	1,467	2,977,129	2,122	3,762,667

Average Quay Prices per tonne

	1984	1985	1986	1987	1988	1989	1190
	£	£	£	£	£	£	£
Cod	581.33	634.85	828.42	846.18	894.84	936.23	1174.00
Haddock	513.70	610.10	565.40	707.95	608.86	749.94	1096.00
Whiting	319.95	476.92	506.43	555.17	580.81	549.73	752.00
Monk Fish	-	-	1,507.60	1,832.6	1,450.83	2,029.40	1,773.00

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	49,572	5,331,545	47,776	5,450,084	3,252	151,888
1190						
Jan	-	-	2,091	258,543	-	-
Feb	-	-	1,105	138,082	-	-
Mar	-	-	-	-	99	3,972 (a)
Apr	-	-	-	-	3,487	153,312 (c)
May	-	-	-	-	1,432	62,487 (c)
Jun	-	-	-	-	-	-
Jul	3,183	391,068	-	-	-	-
Aug	28,938	3,272,041	-	-	40	1,400 (a)
Sep	14,647	1,560,053	51	7,975	253	18,810 (a)
Oct	120	1,086	13,500	1,567,799	39	10,352 (b&d)
Nov	2,206	252,722	19,706	2,245,799	-	-
Dec	19	2,357	2,744	296,823	-	-
Total	49,113	5,479,327	39,197	4,515,021	5,350	250,333

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

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

	1985		1988		1989		1990	
	Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
	68,966	13,826,680	65,842	15,661,106	120,974	21,974,347	115,566	23,529,657

Employment in the Shetland Fishing Industry

	1971	1981	1983	1985	1987	1988	1989	1990
Catching	636	542	515	503	512	535	574	491
Processing	967	480	516	542	468	329	445	533
Ancillary	171	243	244	259	326	330	386	332
Total	1,774	1,265	1,275	1,304	1,306	1,194	1,405	1,356

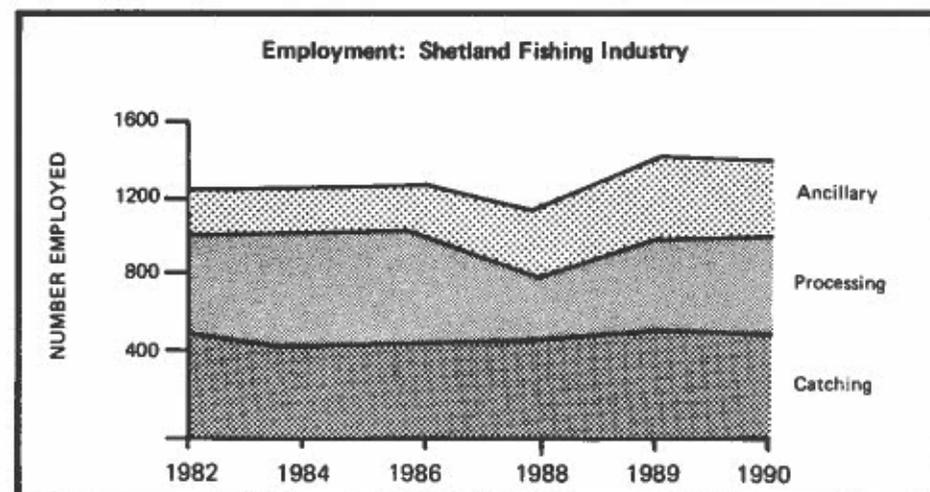
(Source: D.A.F.S.)

Weight and Value of Catch by Method

	1986		1989		1990	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	6,605	3,990,827	2,853	2,021,262	2,462	2,388,822
Industrial Trawl	11,963	360,925	7,947	305,081	10,260	453,142
Demersal Trawl	9,556	5,921,822	9,037	8,331,127	8,404	9,396,638
Purse Seine	43,952	4,455,263	83,383	10,302,838	82,915	9,368,368
Pair Trawl (Demersal)	227	23,153	571	397,555	1,014	1,079,872
Pair Trawl (Pelagic)	1,798	177,892	4,599	522,352	4,253	474,007
Single Boat Trawl	-	-	1,873	103,496	6,157	367,588
Beam Trawl	-	-	-	-	-	-
Gill Nets	-	-	-	-	-	-
Scallop Dredging	365	443,280	97	151,602	446	844,147
Queen Escallop	-	-	127	40,734	102	33,121
Dredging	96	31,449	389	499,960	504	39,610
Creels	268	134,387	263	198,798	-	-
Hand & Small Lines	3	663	4	3,826	-	111
Hand Gathered	6	7,547	11	4,352	78	16,207
Foreign Landings	12,045	1,033,509	7,225	543,445	14,856	970,000
Total	86,884	16,580,717	118,379	23,426,428	131,451	25,784,453

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*

Top 12 UK Ports 1989				
By Value	£000,000s	By Weight	'000 tonnes	
1 Peterhead	69.5	1 Lerwick	126.9	
2 Aberdeen	27.3	2 Peterhead	104.3	
3 Lerwick	17.3	3 Ullapool	96.4	
4 Fraserburgh	14.6	4 Aberdeen	43.9	
5 Lowestoft	14.0	5 Fraserburgh	32.2	
6 Kinlochbervie	13.7	6 Kinlochbervie	16.2	
7 Newlyn	13.2	7 Lowestoft	13.0	
8 Ullapool	12.5	8 Hull	11.7	
9 Brixham	12.1	9 Stornoway	11.4	
10 Mallaig	10.2	10 Plymouth	9.8	
11 Grimsby	9.7	11 Grimsby	9.8	
12 Hull	9.0	12 Mallaig	9.8	

Source: FERV Based on Fishing Department Statistics

Distribution of Vessel Type*

	Purse	Trawlers/Seiners		Vessels		Total
	Seiners	over 80ft**	50-80ft	30-50ft	0-30ft	
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
1990	10	5	34	20	22	91

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

** New category introduced 1988.

Distribution of Vessel Type by District 1990

	Purse	Trawlers/Seiners		Vessels		Total
	Seiners	over 80ft	50-80ft	35-50ft	20-35ft	
South Mainland & Fair Isle	-	-	-	-	3	3
Lerwick & Bressay	1	-	5	-	2	8
Whalsay	9	2	8	1	1	21
Out Skerries	-	-	2	-	2	4
Yell, Fetlar & Unst	-	-	2	2	1	5
Central Mainland	-	-	-	1	2	3
Northmavine	1	-	1	-	2	4
West Mainland (inc. Foula)	-	1	-	3	6	10
Scalloway, Burra & Trondra	-	2	15	8	6	31
Total	11	5	33	15	25	89

Source: Scottish Office Fisheries Dept.

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 farms. 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

	1985	1986	1987	1988	1989	1990
Farms established	14	13	5	10	6	1
Farms producing	13	27	38	43	49	58
Total	27	40	43	53	55	59

Production

	1985	1986	1987	1988	1989	1990
Smolts introduced (x000)	575	935	2,054	3,195	3,716	4,143
Production (tonnes)	700	1,500	2,175	4,575	6,731	6,830*
Average tonnes per farm	53.8	55.6	57.2	106.4	137.4	117.75

Value

	1985	1986	1987	1988	1989	1990
Production value (£m)	2.7	5.68	8.7	18.3	23.73	23.26
Average per tonne (£)	3,857	3,787	4,000	4,000	3,526	3,405

Source: Shetland Salmon Farmers Association

* Estimate

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 off-shore 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. 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. 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 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 Heslod on 1st September. The Elder 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 lasing 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 11,00 barrels a day. Estimated reserves of 56 million barrels.
- 1990** On 8th July the four billionth barrel of crude oil was produced at the Terminal.

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 Stafford	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	1991	25,000
Staffa	Lasmo North Sea	1991	8,000
Lylell	Conoco	1992	18,000
Strathsprey	Texaco	1993	39,000

* 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 had 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. In August 1990 the crude oil was commingled and renamed 1 Brent Blend.

Brent Pipeline System: throughput of oil

	1979	1985	1988	1989	1990
Barrels	77,552,205	300,530,869	242,918,919	168,923,197	133,922,065
Tonnes	10,367,579	39,796,300	32,103,855	22,377,043	17,789,666

Ninian Pipeline System: throughput of oil

	1979	1985	1988	1989	1990
Barrels	63,665,158	136,207,965	135,273,346	134,483,500	129,228,923
Tonnes	8,555,865	18,190,078	17,869,408	17,768,099	17,093,552

Sullom Voe Terminal: total throughput of oil

	1979	1985	1988	1989	1990
Barrels	141,217,363	463,738,834	378,192,265	303,406,697	263,150,988
Tonnes	18,923,444	57,986,378	49,973,263	40,145,142	34,883,218

Sullom Voe Terminal: average barrels per day

	1979	1985	1988	1989	1990
Brent System	212,472	823,372	666,531	462,803	366,910
Ninian System	174,425	373,173	370,612	368,448	354,052
Total	386,897	1,196,545	1,036,143	831,251	720,962

Brent pipeline system: throughput of gas (tons)

	1984	1985	1986	1988*	1989	1990
Propane	492,419	188,713	476,742	81,147	112,555	110,567
Butane	317,195	368,347	375,641	50,291	70,060	65,315

Ninian pipeline system: throughput of gas (tons)

	1984	1985	1986	1988*	1989	1990
Propane	349,007	388,602	346,478	91,518	312,986	268,474
Butane	278,638	281,990	254,621	63,983	233,555	195,168

Sullom Voe Terminal: total throughput of gas (tons)

	1984	1985	1986	1988*	1989	1990
Propane	886,426	877,727	823,220	172,665	425,541	379,041
Butane	649,833	650,337	630,262	114,274	303,615	260,483

Sullom Voe harbour: total of tankers using port

	1979	1982	1983	1984	1985	1986	1988*	1989	1990
Oil	270	536	568	672	672	654	580	479	412
Gas	-	55	111	124	114	112	70	50	48

Permanent Terminal Workforce

	1982	% local	1983	% local	1984	% local	1985	% local
SIC Ports & Harbours	90	(74)	91	(76)	96	(71)	99	(72)
Shetland Towage	92	(85)	93	(85)	91	(93)	92	(93)
BP	406	(50)	414	(54)	413	(54)	414	(56)
Sub-Contractors	460	(37)	642	(46)	618	(54)	475	(62)
Total Employees	1,048	(49)	1,240	(54)	1,218	(58)	1,080	(63)

	1987	% local	1988	% local	1989	% local	1990	% local
SIC Ports & Harbours	96	(71)	91	(70)	98	(70)	95	(70)
Shetland Towage	92	(93)	94	(94)	94	(100)	92	(100)
BP	583	(59)	558	(58)	560	(67)	536	(66)
Sub-Contractors	211	(58)	589*	(44)	242	(58)	204	(60)
Total Employees	982	(63)	1,332	(55)	994	(63)	927	(70)

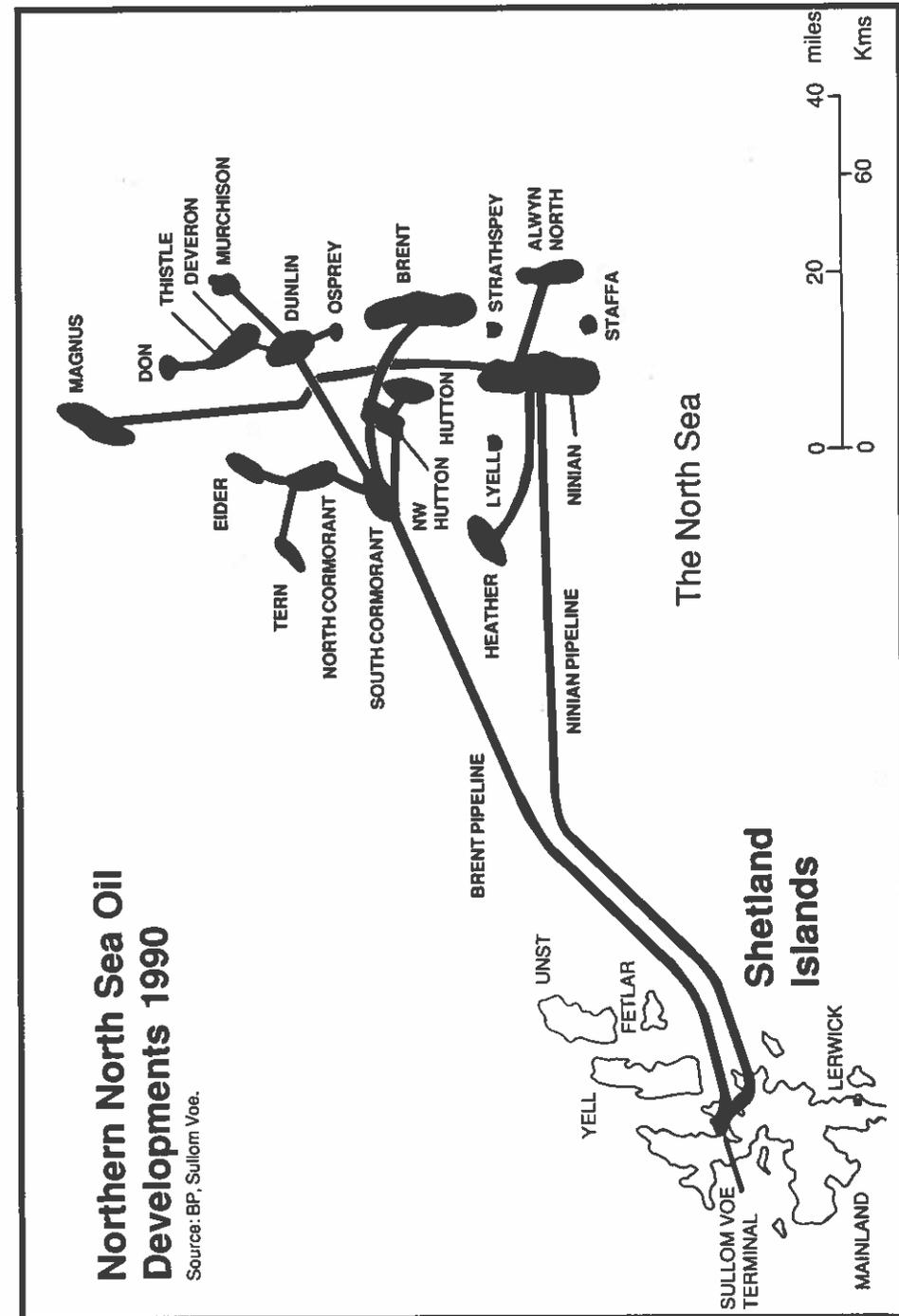
Source: Joint Employment Monitoring Group; BP; Shetland Towage; SIC Ports & Harbours Department.

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

Marine Service Bases

Base	Area In Hectares (Acres)	Berths Operational
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	1984	1985	1986	1987		1988		1989		1990	
					March	Sept	March	Sept	March	Sept	March	Sept
21	185	271	295	288	230	215	220	241	226	233	237	216

Source: Joint Employment Monitoring Group
SIC Survey

Output Values

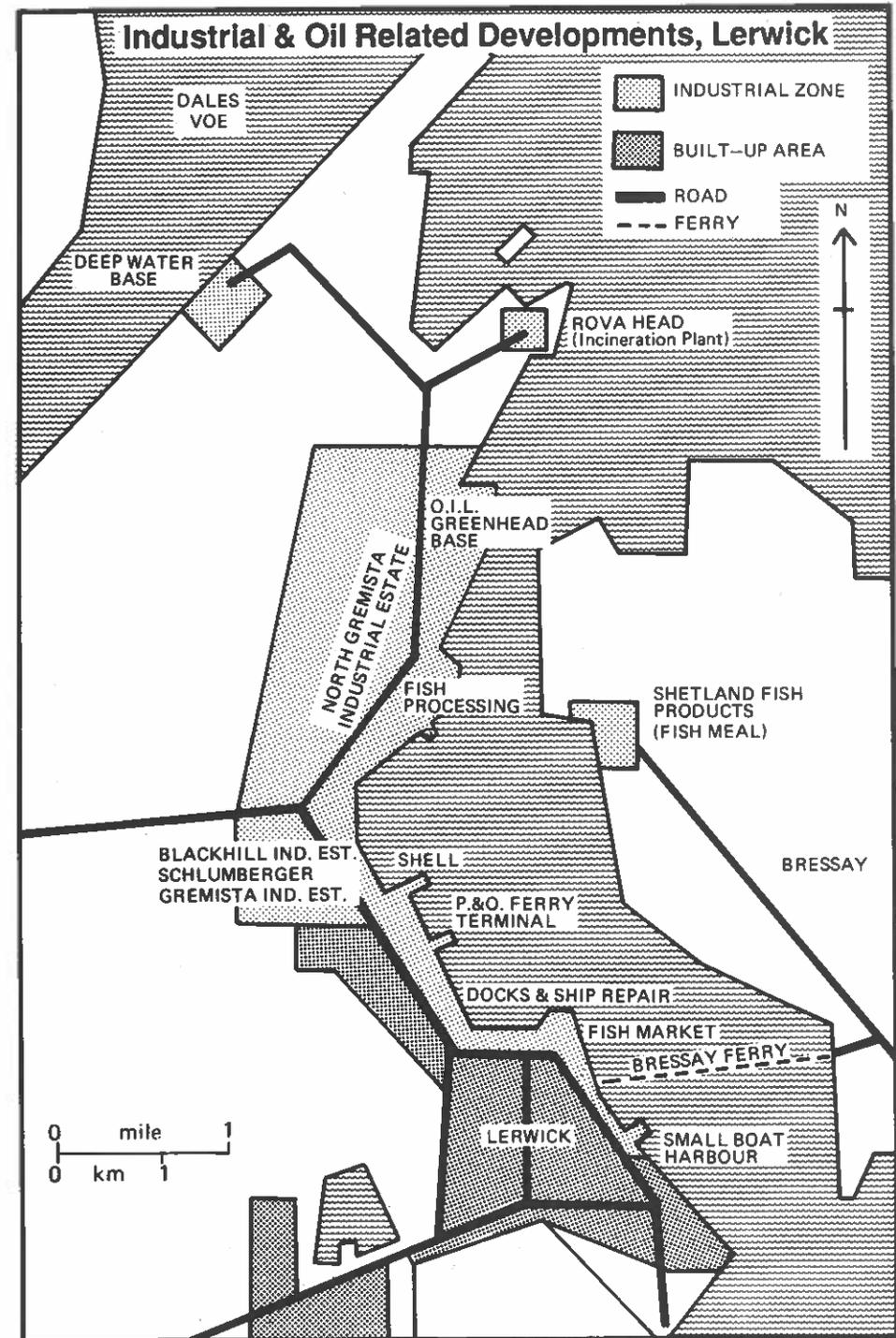
Total Operating Receipts of Shetland oil firms were around £155.5 million in 1982/83. This figure does not include the value of crude oil passing through Sullom Voe, nor the value of equipment and materials transhipped offshore. A high proportion of the revenue was spent on imports or remitted outwith 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 1990 (Estimated)

Country	'000 tonnes	% of World Total Production
1. USSR	584,900	18.5
2. USA	417,600	13.2
3. Saudi Arabia	327,100	10.3
4. Iran	155,300	4.9
5. Mexico	145,300	4.6
6. China	139,000	4.4
7. Venezuela	119,400	3.8
8. Iraq	98,200	3.1
9. Canada	93,300	2.9
10. UK	91,600	2.9
11. Nigeria	89,300	2.8
12. Abu Dhabi	87,300	2.8
13. Norway	81,800	2.6
14. Indonesia	73,000	2.3
15. Libya	64,700	2.0
UK excluding Shetland	56,717	1.8
16. Algeria	54,800	1.7
17. Nigeria	52,700	1.7
18. Egypt	45,500	1.4
Shetland	34,883	1.1
19. India	33,900	1.1
20. Brazil	32,700	1.0

Source: Petroleum Economist

*Shetland Production Figures are included in the UK figures. Bold entries show 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 1989

Country	'000 barrels per day	% of World Total
1. UK	1,792.77	12.1*
2. Mexico	1,523.20	10.3
3. Norway	1,516.50	10.2
4. Saudi Arabia	1,381.08	9.3
UK excluding Shetland	1,058.53	7.1*
5. USA	1,053.00	7.1
Shetland	1,036.14	7.0*
6. Venezuela	932.00	6.3
7. India	625.65	4.2
8. United Arab Emirates	625.42	4.2
9. Brazil	616.54	4.2
10. Malaysia	567.00	3.8
11. Egypt	531.02	3.6
12. Nigeria	481.20	3.2
13. Angola	420.00	2.8
14. Indonesia	413.93	2.8

Source: 'Offshore', PennWell Books, Richmond, Surrey. * See notes to previous table

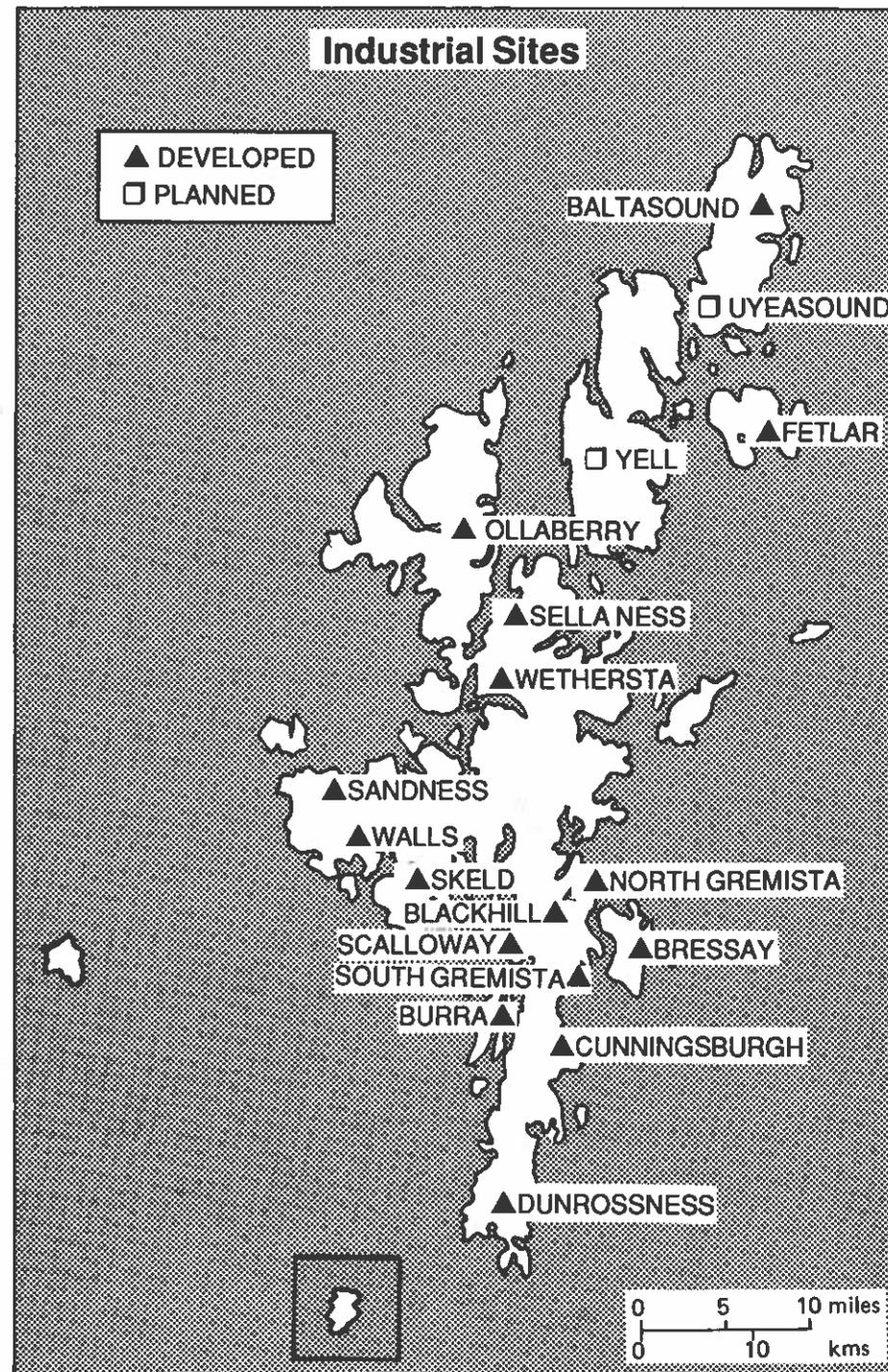
Industrial Sites

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

Industrial Site	Owner	Area in hectares (acres)	
Developed:			
Baltasound	HIE	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/HIE	5.45	(13.47)
Sandness	SIC	0.60	(1.48)
Sella Ness	SIC/HIE	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)

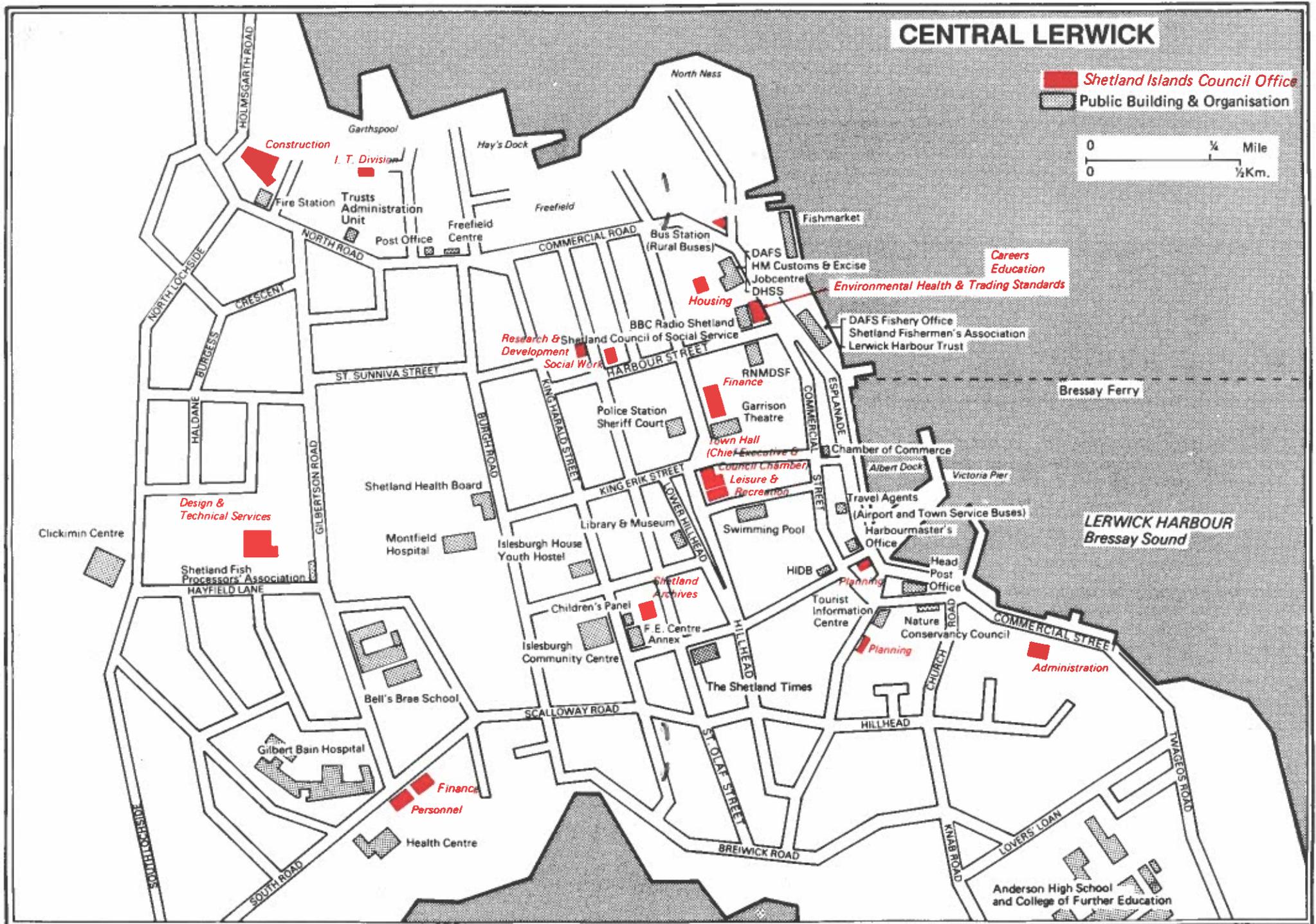
SIC Shetland Islands Council BP BP Petroleum Development Ltd.
LHT Lerwick Harbour Trust HIE Highlands and Islands Enterprise

Industrial Sites



CENTRAL LERWICK

 *Shetland Islands Council Office*
 *Public Building & Organisation*



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 Knitter
	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	79	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 is estimated at about 140,000 kilos per annum.

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 Islands Tourism by bed spaces

Type of Accommodation	1983	1985	1987	1988	1989	1990
Hotels Lerwick	244	366	272	286	307	301
Hotels Country	347	346	334	352	314	312
Guest Houses Lerwick*	-	41	32	76	28	17
Guest Houses Country*	-	86	102	169	118	92
Bed & Breakfast Lerwick	78	75	68	30	100	96
Bed & Breakfast Country	131	119	136	96	238	273
Self Catering Lerwick +	250)	342)	305)	363)	474)	19
Self Catering Country +)))))	504
Caravans Country	46	30	41	27	51	33
Hostels Lerwick +	76)	140)	146)	141)	147)	48
Hostels Country)))))	99
Camp Sites ** Lerwick +	--	89)	89)	73)	70)	28
Camp Sites ** Country +)))))	42
Total	1,174	1,634	1,525	1,613	1,847	1,864

*New Category, introduced 1984. ** New Category, introduced 1985.
+ Category Sub-divided 1990

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	1988	1989	1990
Postal Enquiries	1,696	5,971	4,827	7,599
Telephone Enquiries	-	1,845	1,559	2,087
Advance Bookings	101	336	333	311
Immediate Bookings	412	1,474	1,570	1,312

*Postal and telephone enquiries are those made to Shetland Islands Tourism (SIT). Advance bookings are those made through the SIT Tourist Office; immediate bookings are those made by tourists visiting the Tourist Office. Source: Shetland Islands Tourism.

Membership of Shetland Islands Tourism

	1981	1983	1985	1987	1988	1989	1990
Hotels	16	18	19	18	18	16	16
Guest House B & B	64	46	68	63	78	93	95
Self Catering	36	27	46	54	55	67	67
Hotels	4	2	4	5	5	5	5
Business & Trade	120	101	106	96	136	150	138
Camp Sites	-	-	4	3	4	4	4
Total	240	194	247	239	296	335	330

Source: Shetland Islands Tourism

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 (P&O Only)

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 1990 was not available at time of going to press.

P&O Ferries Mini-Cruise Passengers

	1983	1984	1985	1986	1987	1988	1989	1990
	2,108	1,746	1,897	1,768	1,691	1,804	1,799	1,847

Total Visitor Expenditure in Shetland (£ million)

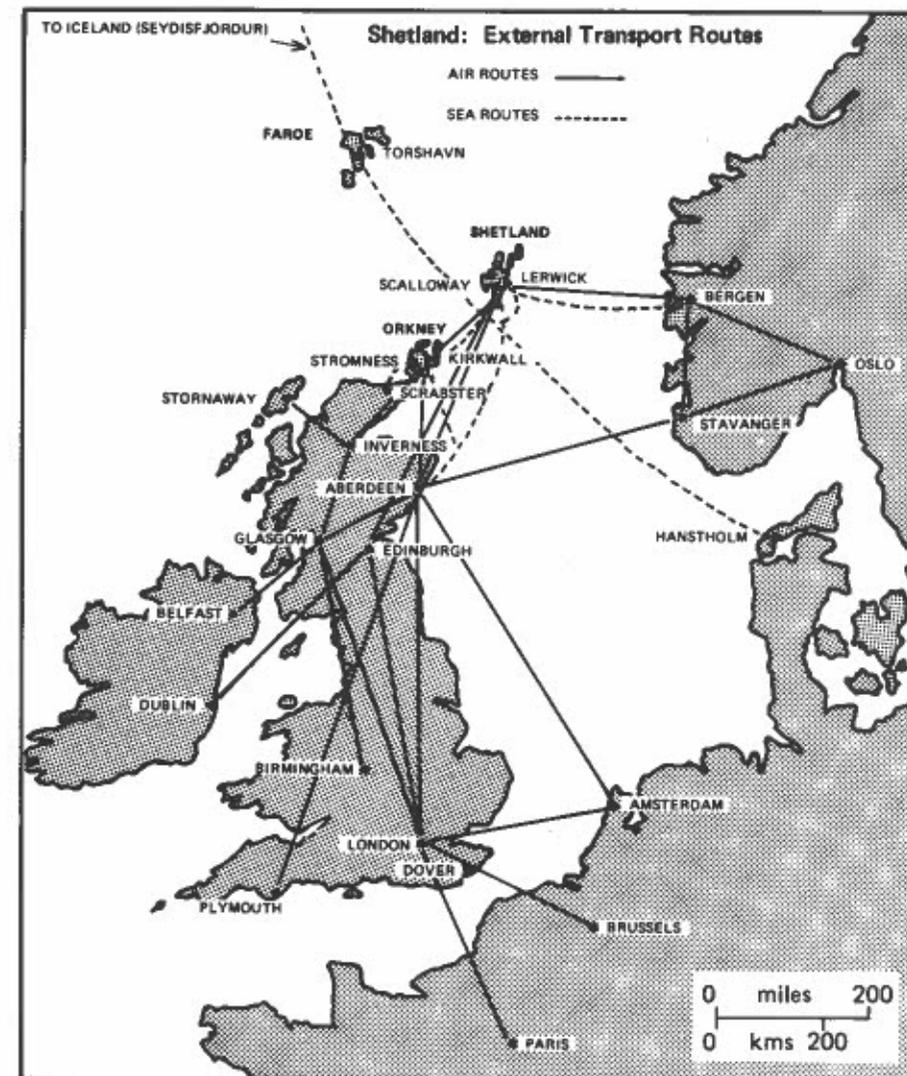
	1983	1984	1985	1986	1987	1988	1990
	4.1	4.8	5.9	6.9	7.5	7.75	8.1

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

Source: Shetland Islands Council Estimate.

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.

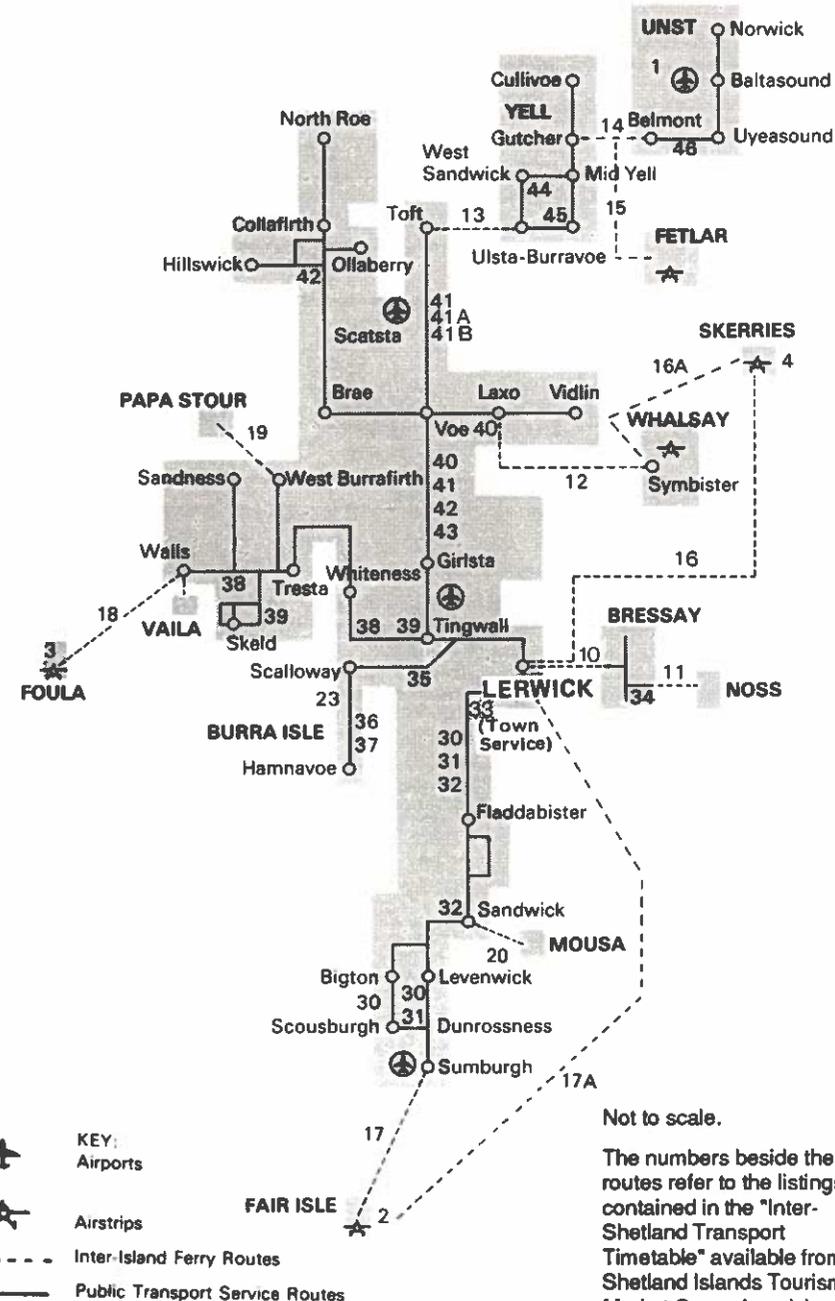
Bus Services

Route	Operator
Lerwick to:	
Sumburgh, Sumburgh Airport	A. Eunson; J. Leask & Son
Sandwick	Shalder Coaches
Brae/Hillswick/North Roe/Mossbank	Shalder Coaches
Weisdale-Skeld; Weisdale-Walls	J. Watt & Son
Walls	Shalder Coaches
Voe-Toft (for Yell, Unst & Fetlar)	J. Leask & Son
Laxo (for Whalsay)	J. Leask & Son
Scalloway, Burra	Shalder Coaches
Lerwick Town Service:	
Sound to North Staney Hill via Town Centre, Lochside & return	J. Leask & Son
Yell:	
Ulsta-Gutcher-Cullivoe	R. Jamieson
Ulsta-Mid Yell-West Sandwick	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



Inter Island Ferries

Shetland Islands Council Ferry Traffic: Passengers

Ferry Route	1986	1987	1988	1989	1990
Yell	96,364	83,694	84,902	91,762	105,228
Unst/Fetlar	40,605	47,774	56,863	49,599	59,482
Bressay	96,849	94,389	98,806	129,565	146,073
Whalsay	45,888	51,642	43,885	59,593	64,118

Vehicles

Ferry Route	1986	1987	1988	1989	1990
Yell	65,264	65,925	73,472	76,359	89,336
Unst/Fetlar	28,202	38,627	37,885	39,371	41,996
Bressay	31,958	33,462	36,988	46,275	47,520
Whalsay	31,660	34,011	36,558	38,662	44,838

External Ferries

P&O Ferries Services: Passengers and Accompanied Cars

	Passenger Journeys	Accompanied Car Journeys
1982	53,546	8,328
1983	57,365	8,542
1984	59,520	8,983
1985	64,839	9,504
1986	63,323	9,788
1987*	70,805	10,211
1988*	71,887	10,499
1989*	73,793	11,268
1990		
January	2,838	507
February	1,773	334
March	2,917	515
April	6,143	862
May	8,518	934
June	9,212	1,216
July	13,428	2,121
August	12,891	2,006
September	8,706	1,022
October	5,695	1,033
November	2,888	642
December	3,363	594
Total	78,372	11,786

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. Data for 1990 not available at time of going to press.

Freight on P&O Ferries Services*

	1984	1985	1986	1987	1988	1989	1990
Commercial Vehicles	16,624	18,814	14,368	11,203	10,773	12,609	12,009
Commercial Trailers	34,232	29,573	25,745	34,198	36,446	52,780	61,432
Unaccompanied Cars	4,575	4,687	4,512	5,123	6,044	6,548	5,713

*Running metres

Shipping in Lerwick Harbour

	1971	1983	1985	1987	1988	1989	1990
General	316	451	639	653	667	754	669
HM Ships	41	60	48	18	13	24	20
Oil Tankers	51	106	135	95	103	113	108
Oil Research Vessels	79	1,300	1,277	731	771	911	1,025
Other Vessels	488	582	710	403	712	973	886
(Yachts) +	n/a	(181)	(242)	(253)	(321)	(421)	(342)
British Fishing**	1,440	722	1,302	1,536	1,474	1,905	2,075
Foreign Fishing	1,580	329	195	234	206	243	228
Total	3,995	3,550	4,306	3,670	3,946	4,923	5,011

Source: Lerwick Harbour Trust ** Excludes local fishing fleet + Sub group of other vessels

Foreign Fishing Vessels

	1971	1983	1985	1987	1988	1989	1990
Bulgaria	-	-	-	-	-	12	2
Chile	-	-	-	-	-	-	1
Denmark	374	115	65	47	52	49	71
Faroe	242	21	8	10	2	4	14
France	16	22	16	8	8	6	12
Germany (West) }+	3	-	8	12	14	10	17
Germany (East) }+	-	18	11	17	6	-	-
Greenland	-	-	-	-	1	4	-
Iceland	215	-	3	1	14	13	9
Ireland	-	-	-	4	4	39	25
Netherlands	12	8	8	12	6	13	7
Norway	551	143	66	92	81	62	41
Panama	-	-	-	-	-	3	1
Poland	1	-	-	-	-	-	-
Portugal	-	-	1	2	1	-	-
Sweden	100	1	-	4	1	7	4
USSR	60	1	3	22	16	21	24
Total	1,574	329	189	231	206	243	228

Source: Lerwick Harbour Trust.

+ Unified 1990

Total Tonnage Handled in Lerwick Harbour

(Weight of containers excluded)

	1971	1981	1987	1988	1989	1990
General Cargo Imports	45,760	200,077	185,210	210,925	239,435	243,973
General Cargo Exports	48,849	57,471	44,624	65,972	88,662	93,768
Oil Related Imports	342	288,999	214,092	237,844	253,812	225,905
Oil Related Exports	-	421,807	272,815	303,382	378,511	301,846
Total	94,951	968,354	716,741	818,123	960,420	865,492

Lerwick Harbour Trust Revenue

	1971	1981	1987	1988	1989	1990
	£49,000	£2,100,000	£3,481,783	£3,606,231	£4,340,554	£4,517,782

Shipping in Scalloway Harbour

	1986	1987	1988	1989	1990
British fishing	163	217	283	302	134
Foreign fishing	17	27	25	22	22
Frozen fish cargo vessels	20	33	14	3	-
Oil-related/stand-by	5	2	10	7	1
H.M. ships/Customs	-	6	3	1	2
General Cargo	80	75	52	82	70
Other vessels	-	6	12	2	35
Passenger ships/ferries	11	7	15	6	-
Fishery research	-	1	3	2	12
Yachts	9	17	25	31	29
Sail training ships	-	1	-	-	-
Total	305	392	442	458	305

Total Tonnage Handled in Scalloway Harbour: imports

(Weight of containers excluded tonnes)

	1985	1986	1987	1988	1989	1990
Fish	449	267	1,168	23	90	130
Salmon Feed	552	907	735	209	684	662
Miscellaneous Cargo	1,109	1,394	1,360	4,582	919	913
Bulk Tar	1,046	2,479	2,297	3,060	3,567	2,727
Total	3,156	5,037	5,560	7,874	5,269	4,432

Source: SIC Ports & Harbours

Total Tonnage Handled in Scalloway Harbour: Exports

(Weight of containers excluded tonnes)

	1985	1986	1987	1988	1989	1990
Frozen Fish	2,903	2,663	4,009	1,163	400	829
Offal	6,037	7,563	953	911	152	-
Salmon	40	221	40	83	0.63	1.3
Sandeel/mink food	5,084	4,492	8,488	684	-	-
Miscellaneous Cargo	262	181	150	210	105	57
Total	14,326	16,120	13,640	3,051	657.63	887.00

U.K. Port Traffic 1989

Port	Million tonnes	%UK Total Traffic
1. London	54	11.3
2. Sullom Voe	41	8.5
3. Tees & Hartlepool	39	8.1
4. Grimsby & Immingham	38	7.9
5. Milford Haven	33	6.9
6. Southampton	26	5.4
7. Forth	23	4.8
8. Liverpool	20	4.2
9. Felixstowe	17	3.5
10. Medway	14	2.9

Source: British Ports Federation.

Air Services

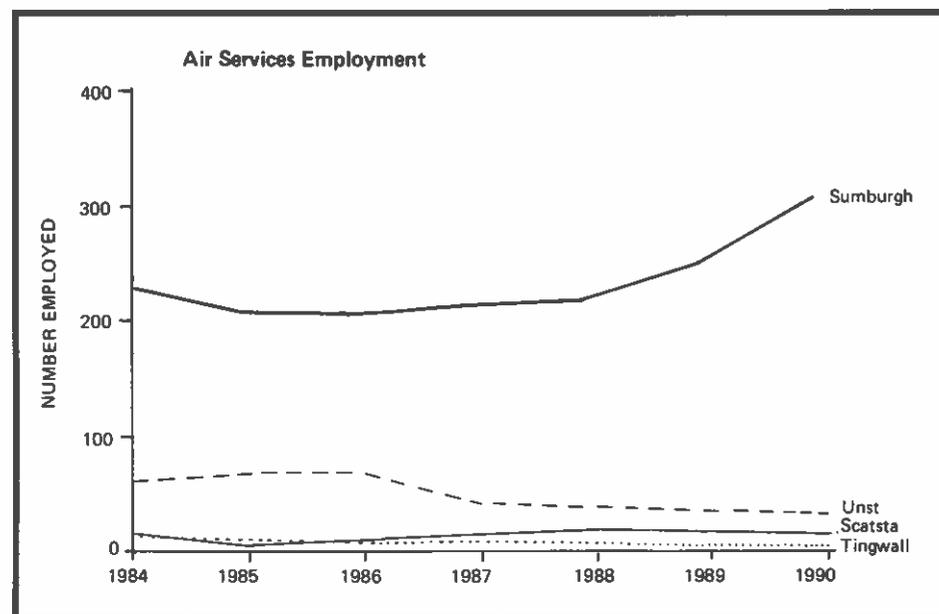
Total aircraft traffic at Sumburgh, Scatsta, Unst and Tingwall*

	1984	1985	1986	1987	1988	1989	1990
Aircraft Movements	31,666	29,457	29,457	33,366	36,588	37,988	41,993
Passengers	384,465	369,434	367,053	417,470	475,608	524,402	580,078

* Includes all passengers on scheduled services

Employment

	1982	1983	1984	1985	1986	1987	1988	1989	1990
Sumburgh	501	238	232	209	206	217	217	248	304
Tingwall	10	10	10	10	10	10	10	8	8
Scatsta	41	28	12	9	10	10	13	13	11
Unst	69	72	61	66	66	44	41	38	44
Total	621	348	315	294	292	281	281	307	367



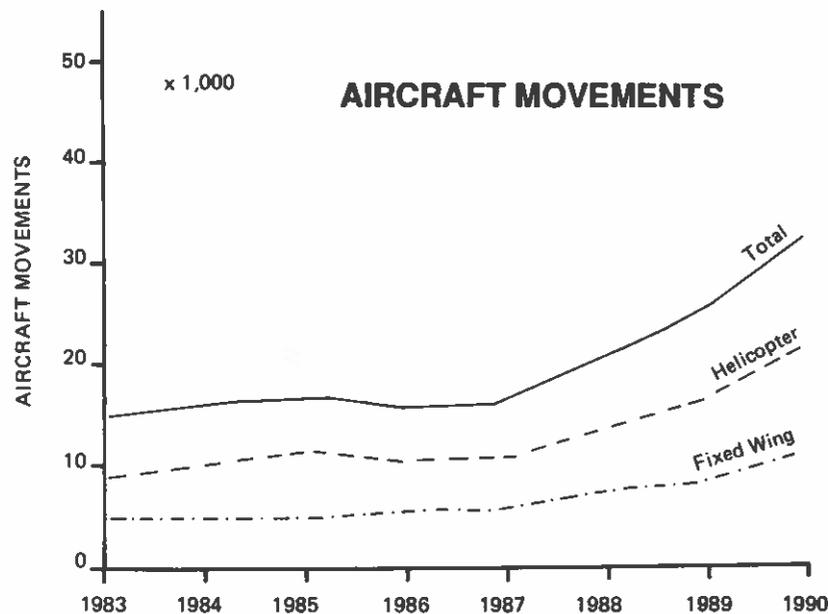
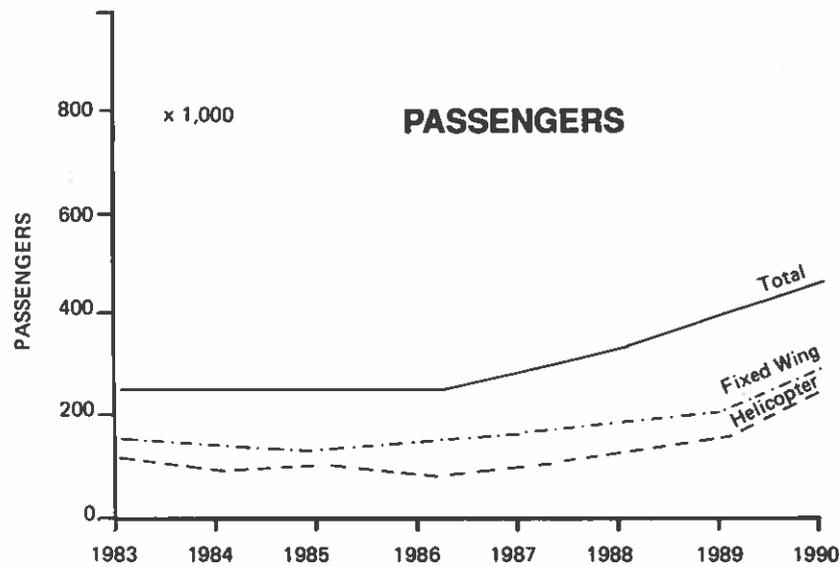
Sumburgh Airport Traffic: Passengers and Freight

	Total Passengers	Fixed Wing Scheduled Passengers	Charter Passengers & Others	Helicopter Passengers	Freight (kgs)
1982	367,307	70,543	141,871	154,893	2,176,402
1983	247,678	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	239,159	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	405,347	81,676	179,648	209,570	1,586,795
1990 January	34,482	4,998	12,646	16,340	160,889
February	33,556	5,062	12,647	15,847	119,297
March	37,786	6,203	14,508	17,075	130,342
April	37,734	6,607	14,471	16,656	124,031
May	41,965	7,234	16,302	18,429	132,555
June	41,610	8,318	16,082	17,210	133,752
July	42,239	8,281	15,797	18,161	119,808
August	35,651	9,238	12,350	14,063	143,392
September	35,649	7,033	13,380	15,236	137,136
October	45,137	7,480	17,920	20,235	145,190
November	43,440	6,004	17,193	20,243	148,600
December	41,645	5,218	16,352	20,075	91,273
1990 Total	470,894	81,676	179,648	209,570	1,586,795

Sumburgh Airport: Aircraft Movements

	Total	Fixed Wing	Helicopter
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	25,659	8,299	17,360
1990 January	2,173	654	1,519
February	2,255	605	1,650
March	2,264	724	1,540
April	2,150	716	1,434
May	2,578	888	1,690
June	2,585	1,043	1,542
July	2,617	942	1,675
August	2,541	1,117	1,424
September	2,577	1,147	1,430
October	3,491	1,380	2,111
November	2,960	1,075	1,885
December	2,077	859	1,848
1990 Total	30,898	11,150	19,748

Sumburgh Airport



Scatsta Airport Traffic

	1984	1985	1986	1987	1988	1989	1990
Passengers	14,313	14,938	13,157	13,216	27,425	17,151	12,892
Aircraft Movements	2,593	2,548	2,232	1,982	2,574	1,589	590

Tingwall Airport Traffic

	1984	1985	1986	1987	1988	1989	1990
Passengers	14,925	14,364	13,368	13,093	12,956	15,224	12,748
Aircraft Movements	3,322	3,344	3,333	3,337	3,301	3,198	3,189

Source: SIC Construction Dept.

Unst Airport Traffic: Passengers

	1984	1985	1986	1987	1988	1989	1990
Fixed Wing	54,110	50,104	44,856	44,387	40,499	38,717	38,565
Helicopter	61,799	50,869	52,282	57,981	57,834	47,963	44,979
Total	115,909	100,973	97,138	102,368	98,333	86,680	83,544

Source: Civil Aviation Authority

Aircraft Movements

	1984	1985	1986	1987	1988	1989	1990
Fixed Wing	2,338	2,158	2,052	2,566	1,646	1,674	1,592
Helicopter	5,426	4,610	6,540	7,963	8,388	5,868	5,724
Total	7,764	6,768	8,592	10,529	10,034	7,542	7,316

Source: Airport Manager, Unst.

Small Airfield Traffic: Passengers

Airfield	1984	1985	1986	1987	1988	1989	1990
Fair Isle	1,704	1,596	1,822	1,654	1,640	2,127	2,674
Fetlar	50	52	60*	58*	**	**	**
Foula	1,228	1,276	1,100*	1,158*	1,150*	1,600*	n/a
Skerries	603	554	624	706	700*	734	927
Whalsay*	90	100	100	140	150	400*	320

Aircraft Movements

Airfield	1984	1985	1986	1987	1988	1989	1990
Fair Isle	478	426	480	458	464	596	710
Fetlar	44	38	40*	40*	**	**	**
Foula	364	344	304	320	352	496	522
Skerries	364	154	302	294	288	376	432
Whalsay	76	72	70	98	104	200	200

*Estimate **Scheduled flights suspended.

Source: various local personnel.

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.

70 Sites of Special Scientific Interest (SSSI)

6 Freshwater	390.1 ha.	1 General Islands 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.	3 Tidal Flats	42.4 ha.
2 Beach/Sand Dune	201.3 ha.	28 Geological	1265.5 ha.
3 Moorland Breeding Bird	996.3 ha.	5 Geomorphological	95.2 ha.
1 Maritime Heath	34.2 ha.		

Total area covered by statutory conservation sites is 16,046.9 hectares (14,725.8 ha. in 1989), which represents 10.9 (10.4) per cent of the total area of Shetland.

Approximate coverage of each island or island group

Papa Stour	64.2%
Foula	100%
Fair Isle	72%
Fetlar, 6 (4) sites	71.9%
Bressay (Noss), 1 site	11.2%
Unst, 14 sites	21%
Mainland and associated uninhabited islands, 39 sites	8.0%
Yell, 4 sites	0.36%

(Figures as at February 1991)

The Nature Conservancy Council for Scotland has also identified 4 key areas of coastline as Marine Consultation Areas. This unofficial and non-statutory designation is aimed at highlighting the conservation importance of these varied examples of Shetland's inshore marine environment.

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%	Black Guillemot (Tystie)	30%
Great Skua (Bonxie)	76%	Shag (Scarf)	27%
Red-throated Diver (Raingoose)	75%	Gannet (Solán)	16%*
Red-necked Phalarope	70%	Grey Seal	5%
Arctic Skua (Aalin)	61%	Common Seal	20%
Arctic Tern (Tirrick)	35%	Otter	Not known but undoubtedly high
Fulmar (Maalie)	35%		

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 1986	June 1988	June 1989	June 1990
Shetland: Lerwick	107.9	107.5	107.3	107.0
*Remote	114.5	114.0	113.4	114.3
*Village A	113.4	111.5	111.0	110.1
*Village B	116.2	115.8	116.1	114.1
*Village C	114.5	114.5	114.8	112.9
Rural Average	107.3	106.6	106.3	106.1
Aberdeen	100.0	100.0	100.0	100.0
Edinburgh	100.8	100.5	99.7	101.1

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	1991
Shetland Islands Council	2,655	2,610	2,630	2,648	2,621	2,566	2,514	2,566
Private and Others	5,507	5,840	5,818	6,018	6,299	N/A	N/A	N/A
Scottish Homes	156	154	152	145	136	131	122	112
Hjaltland Housing Assoc.	-	-	-	-	-	-	-	178

Vehicle Ownership

Vehicles licensed in Shetland on 31st December

Type	1971	1981	1985	1989	1990
Private Cars and Light Goods	3,600	7,048	7,548	8,510	8,775
Goods Vehicles (inc. Agriculture)	440	810	372	359	319
Buses and Coaches	138	164	183	162	129
Motor Cycles	350	535	391	347	325
Miscellaneous	652	831	964	970	954
Total	5,180	9,389	9,494	10,348	10,502

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

	1976	1981	1989	1990	1991
Primary Teachers.....	117	164	143	140	140
Secondary Teachers.....	124	142	171	178	189
Further Education Teachers.....	4	9	18	18	18
Total.....	245	315	331	336	347

Nursery Education

	1976	1981	1989	1990	1991
Bell's Brae	-	-	-	-	64
Brae	-	51	65	71	60
Dunrossness	-	-	-	-	33
Mossbank	-	-	-	-	23
Sandwick	-	-	-	-	38
Sound	-	60	60	60	60
Total		111	125	131	278

Primary Education

Primary School Rolls as at January each year

	1976	1981	1989	1990	1991
Baltasound Junior High (Primary Segment)	100	106	72	79	85
Mid yell JHunior High (P.S.)	76	65	55	47	48
Brae Junor High (P.S.)	68	171	189	136	139
Symbister House Junior High(P.S.)	149	146	123	120	125
Aith Junior High (P.S.).....	63	52	66	61	61
Scalloway Junior High (P.S.).....	136	150	124	123	117
Sandwick Junior High (P.S.).....	81	96	83	76	69
Haroldswick Primary.....	33	21	24	27	25
Uyeasound Primary.....	27	16	8	8	9
Cullivoe Primary.....	23	24	19	20	18
Burravoe Primary.....	31	36	29	30	32
Fetlar Primary.....	6	15	9	8	7
North Roe Primary.....	16	23	21	19	20
Olaberry Primary.....	12	16	32	34	36
Urafirth Primary.....	29	37	34	33	29
Mossbank Primary	0	136	91	77	70
Olnafirth Primary.....	30	46	43	40	31
Lunnasting Primary.....	22	38	23	22	21
South Nesting Primary.....	14	26	19	18	11
Skerries Primary.....	12	11	6	8	9
Sandness Primary.....	7	15	16	14	13
Foula Primary.....	4	7	4	6	4
Papa Stour Primary.....	0	5	4	2	4
Happyhansel Primary.....	40	48	56	58	57

Table Contd.

Primary Education (Continued)

	1976	1981	1989	1990	1991
Skeld Primary.....	26	36	10	11	14
Whiteness Primary.....	56	87	80	78	85
Hamnavoe Primary.....	65	107	104	100	96
Gott Primary.....	43	52	52	54	50
Cunningsburgh Primary.....	74	57	77	51	50
Dunrossness Primary.....	152	209	158	152	146
Fair Isle Primary.....	9	11	12	10	8
Quarff Primary	19	23	20	23	15
Bressay Primary.....	38	20	31	29	28
Bells Brae Primary.....	790	501	349	340	357
Sound Primary.....	0	292	369	358	354
Total	2,262	2,710	2,410	2,272	2,249

Secondary Education

Secondary School Roll at January each year

	1976	1981	1989	1990	1991
Anderson High.....	770	915	877	863	878
Baltasound Junior High.....	58	75	39	29	33
Mid Yell Junior High.....	58	48	45	44	44
Brae Junior High.....	68	164	209	211	211
Symbister House Junior High.....	54	62	40	41	45
Aith Junior High.....	65	61	65	65	61
Scalloway Junior High.....	129	132	172	187	179
Sandwick Junior High.....	87	121	120	140	144
Skerries School.....	6	5	4	3	2
Total	1,295	1,583	1,571	1,583	1,597

Further Education

Students Enrolled on Further Education Courses

	1980-81	1984-85	1989-90	1990-91
Full Time.....	-	25	78	73
Day Release.....	70	52	29	58
Short Full Time.....	50	57	5	-
Evening Class.....	1,109	973	1,236	1,269
YTS.....	-	-	119	111
Total	1,229	1,107	1,467	1,511

Source: SIC Dept. of Education

School Leavers' Qualifications by region and SCE qualification held: 1988/1989

Area	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+	3+	5+
Borders	93	75	58	47	38	24	13
Central	90	73	57	48	41	27	15
Dumfries & Galloway	91	71	54	45	36	24	13
Fife	89	72	55	46	37	25	13
Grampian	89	75	58	48	39	26	14
Highland	91	78	61	52	42	25	13
Lothian	90	71	55	47	41	27	15
Strathclyde	86	69	52	44	36	23	12
Tayside	89	75	61	51	42	27	14
Orkney	90	79	61	49	41	28	14
Shetland	94	88	69	50	35	27	15
Western Isles	94	78	64	55	49	28	13
All Scotland	88	72	55	46	38	24	13

Source is Scottish Education Statistical Bulletin Edn/E2/1991/4

Social Work

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

	1987-88	1988-89	1989-90	1990-91
No of Eventide Home Beds*	70	70	70	70
No. of beds in Hostel for Mentally Handicapped	12**	14	14	16
No of beds in Children's Home	10	10	10	10
No of Sheltered Housing Schemes	36	36	36	37
No of Sheltered Houses	257	257	272	288
No of Laundries	5	5	6	6
No. of Meals on Wheels Schemes	25	25	25	25
No. of Luncheon Clubs	3	3	3	3
No of Meals Delivered	52,000	52,000	56,400	54,800
No. of Home Helps	300	300	310	315
No. of Home Help Clients	580	580	522	576
No. of Homes Connected to Community Alarm System	270	400	576	482

*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	1987-88 £	1988-89 £	1989-90 £
Board Administration	517,410	564,341	735,599
Hospital Running Costs			
(a) Pay	2,683,922	3,066,099	3,295,973
(b) Supplies & Services	916,946	1,074,422	1,053,894
(c) Other Expenditure (labs etc.)	264,062	263,874	309,018
Total	3,864,930	4,404,395	4,658,885
Less direct credits	81,832	73,075	72,295
Total Running Costs	3,783,098	4,331,320	4,586,590
Community Services (School & Pre-school care, domiciliary services, health education etc.)	1,149,746	1,297,667	1,419,206
Associated services - (travelling expenses, local health council)	45,970	43,250	43,946
Primary Care			
(a) Medical Services	828,779	986,035	1,082,656
(b) Pharmaceutical Services	774,346	943,938	1,018,562
(c) Dental Services	161,887	170,500	151,191
(d) Ophthalmic Services	94,205	101,886	54,708
Total Primary Care Costs	1,859,217	2,202,359	2,307,117
Total Revenue Expenditure	7,355,441	8,438,937	9,092,458

Hospitals

Name	Type	No. of Beds		Average % Occupancy				
		1985	1986	1986	1987	1988	1989	1990
New Gilbert Bain	Acute & Maternity	73	64	64	67	67	61	60
Montfield*	Long Stay	87	96	98	98	96	97	100

Staff

	1985	1986	1987	1988	1989	1990
Number of General Practitioners	19	19	19	19	19	19
Number of Nursing Staff: Full Time	164	163	157	198	155	168
Part Time	90	109	88	87	108	101
Number of Hospital Doctors	5	5	5	5	5	5

New Gilbert Bain Hospital

	1985	1986	1987	1988	1989	1990
Number of Casualties	2,785	2,793	5,517	6,757	6,804	7,142
Number of Out-Patients	24,281	24,221	21,163	22,948	23,492	25,397
Number of In-Patients	2,106	2,302	2,630	2,801	2,829	2,850

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>Soldan</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 1991/92 Requisition from the Shetland Islands Council was £830,147.

Number of Police Stations in Shetland 1990

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

	1984	1985	1986	1987
Group 1: Non-sexual crimes against the person	24	19	24	17
Group 2: Crimes involving indecency	9	15	2	4
Group 3: Crimes involving dishonesty	376	346	345	319
Group 4: Fire-raising, malicious & reckless conduct	147	177	133	173
Group 5: Other crimes	77	75	71	45
Group 6: Miscellaneous	403	323	286	342
Group 7: Offences relating to motor vehicles	965	773	926	886
Total	2,001	1,728	1,787	1,766

	1988	1989	1990
Group 1: Non-sexual crimes against the person	20	32	19
Group 2: Crimes involving indecency	10	20	22
Group 3: Crimes involving dishonesty	257	302	343
Group 4: Fire-raising, malicious & reckless conduct	190	249	196
Group 5: Other crimes	67	83	86
Group 6: Miscellaneous	371	371	410
Group 7: Offences relating to motor vehicles	987	1,152	1,436
Total	1,902	2,209	2,512

In 1990, the Northern Constabulary Shetland Sub-Division achieved a crime detection of 90.7% compared with 89.4% in 1989.

The detection rate in respect of crimes as detailed in groups 1-5 above was 65.7% in 1990.

Fire Service

The Fire Service in Shetland is run by the Highlands and Islands Fire Board, administered by Highland Regional Council. The 1991/92 requisition from Shetland Islands Council was £728,872.

Number of Fire Units in Shetland, 1990

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

	1981	1985	1987	1988	1989	1990
Chimney Fires	24	64	62	59	67	51
Special Services (pumping out boats, properties, etc. road traffic accidents)	17	7	14	30	33	39
Property and small fires	54	48	45	60	39	41
False alarms, good intent	6	23	17	35	36	32
Fals alarms, malicious	2	0	3	6	1	10
Total	103	142	142	190	176	173

Post Office Services

Employees, Post Office

	1977	1981	1987	1988	1989	1990
					Royal Mail	PO Counters Ltd.
Full Time Staff	66	71	65	61	52	8
Part Time Staff	23	21	18	20	17	-
Sub Postmasters	56	55	54	54	-	(FT) 36 (FT) 18
Ancillary Staff	10	11	12	7	7	9
Total	155	158	149	142	76	62

No of Letters Posted Weekly

1972	1977	1981	1986	1987	1988	1989	1990
49,866	52,602	69,400	56,000	69,271	68,623	65,582	64,095

No. of Television Licences

	1972	1977	1981	1986	1987	1988	1989	1990
Mono	4,574	5,399	1,430					
Colour	0	64	5,217					
Total	4,574	5,463	6,647	6,480	6,774	6,800	6,852	6,929

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

Electricity

Breakdown into Categories

	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	10,893	11,004	11,164	11,358

Breakdown of consumers in current categories available from 1985 to 1989 only

Electricity Generation

	1971-72	1988-89	1989-90	1990
Units generated (kilowatt hours)	32,319,000	155,748,310	177,551,775	162,753,519
Maximum demand (megawatts)	11.69	33.10	36.1	37.8

Source: Lerwick Generating Station

Distribution (all figures: distance in kilometres)

	1981	1987	1988	1989	1990*
33,000 Volt overhead lines	98.0	114.8	128.3	128.3	128.3
33,000 Volt underground cables	3.7	11.6	11.6	11.6	11.6
11,000 Volt overhead lines	756.2	817.7	820.8	825.2	833.4
11,000 Volt underground cables	65.5	93.6	94.3	96.1	97.8
Low Voltage overhead lines	345.6	336.1	333.7	330.1	326.5
Low Voltage underground cables	65.6	107.2	111.8	116.1	119.7

* Figures from 1990 onwards are approximations only

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

James Wallace (Lib/Alliance)	9,374
David Myles (Con)	5,224
Winifred Ewing (SNP)	3,147
Robina Goodlad (Lab)	2,665
Liberal majority	4,150
Electorate: 30,411	
(Shetland 15,902; Orkney 14,509)	

JUNE 1987

James Wallace (Lib/Alliance)+	8,881
Richard Jenkins (Con)	4,959
John Aberdein (Lab)	3,995
John Goodlad (O & S Movements)*	3,095
Grierson Collister (Green)	389
Majority	3,922
Electorate: 31,047	
(Shetland 16,357; Orkney 14,690)	
*Orkney & Shetland Movements	
+ Now Liberal Democrats	

European Assembly Election result in the Highlands and Islands Constituency:

JUNE 1984

Winifred Ewing (SNP)	49,410
Russell Johnston (Lib/Alliance)	33,133
David Webster (Con)	18,847
Jack MacArthur (Lab)	16,644
SNP majority	16,277

JUNE 1989

Winifred Ewing (SNP)	66,297
Albert McQuarrie (Con)	21,602
Norman MacAskill (Lab)	17,848
Michael Gregson (Green)	12,199
Neil Mitchison (Lib Dem)	10,644
SNP majority	44,695

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. Grimmond?

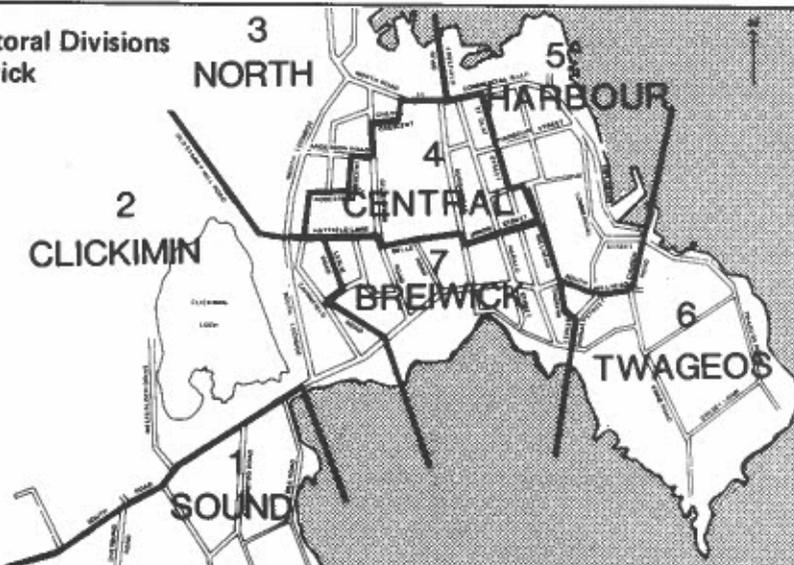
Yes	9,162
No	1,028
Majority	8,134
Total Electorate (Shetland):	14,244

JUNE 1975

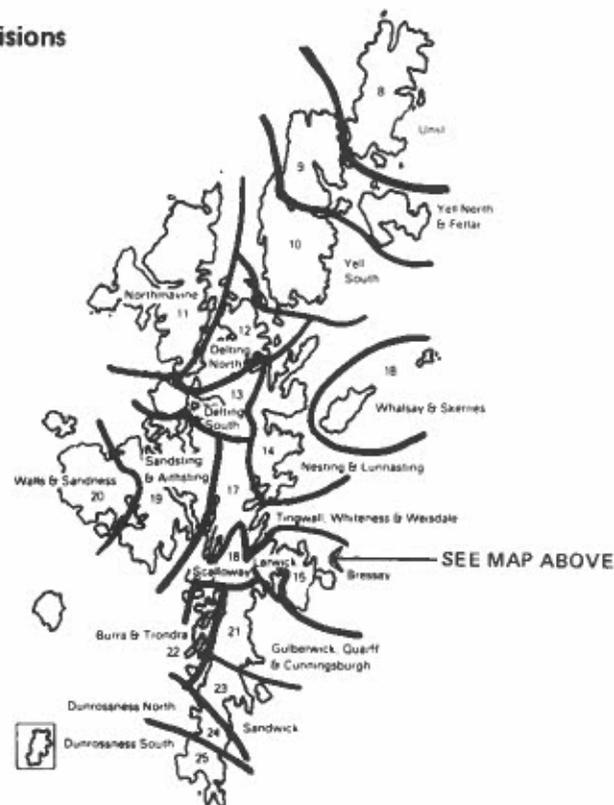
Referendum: Do you think the UK should stay in the European Economic Community (the Common Market)?

No	3,631
Yes	1,028
Majority	816
Total Electorate (Shetland):	13,437

Electoral Divisions Lerwick



Electoral Divisions Rural Areas



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 , 27 Hamarsgarth, Mossbank. (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	William H. Manson , Mangaster, Sullom. (Electorate 575. 207 votes; 58% poll; 62% of total votes cast)
12. Delting North	Miss Andrea Manson , Greystones, 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 Twageoes 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 , Roadside, Girsta, 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)

Source: SIC Administration Dept.

Rating and Valuation

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

* Revaluation: 1st April 1978 and 1985

Shetland Islands Council Finance

Revenue and Capital Expenditure

	1990-91 £	1991-92 £
Non-Domestic Rates*		
General	0.37p	0.386p
Water	0.53p	0.104p
Sewerage	0.101p	0.76p
Total	0.52p	0.566p
Total Non-Domestic R/V	52,286,640	52,455,195
Community Charge**		
General	71.46p	118.17p
Water	40.04p	44.07p
Sewerage	15.08p	22.76p
Total	127.30p	185.00p

* Rate per £. ** Charge per person

Departments

Chief Executive: Malcolm Green, Town Hall, Lerwick, ZE1 0HB

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

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

	1990/91		1991/92	
	(Net) Revenue Expenditure £000	Capital Expenditure £000	(Net) Revenue Expenditure £000	Capital Expenditure £000
Development	4,980	2,678	2,264	4,065
Leisure & Recreation	4,085	330	3,631	580
Education	22,151	1,468	23,116	5,013
General Services:				
Cleansing	1,008	196	984	98
Sewerage	0	441	0	702
Other	2,032	386	1,892	374
Housing Revenue	816	5,611	561	5,350
Other Housing	1,354	907	1,289	797
Ports & Harbours	0	3,196	0	2,894
Policy & Resources				
Police & Fire	1,296	0	1,571	0
Capital Fund	1,613	0	2,961	0
Housing Capital Fund	0	0	0	0
Sullom Voe Terminal	-10,647	0	-10,347	0
Unallocated Reserve:				
Fund Contributions	0	0	0	0
Repairs & Renewals Fund	0	0	2,268	0
Other	1,780	1,620	1,801	3,857
Roads & Transport:				
Roads	11,941	3,382	11,349	4,077
Ferries	4,942	1,185	4,733	1,234
Other Transport	792	241	865	166
Social Work	4,585	346	4,781	325
Water	0	831	0	1,028
Contingency Reserve	175	0	2,210	0
Total	52,903	23,318	55,929	30,515

Source of Finance for Revenue Expenditure

	1990/91 £000	1991/92 £000
Community Charge	1,194	2,012
Non-Domestic Rates	19,636	18,893
Revenue Support Grant	31,723	34,674
Interest on Revenue Balances	350	350
Total	52,903	55,929

Community Council Clerks

Aithsting & Sandsting	Clerk:	Mrs. L. Fraser, West Burrafirth, Bridge of Walls, ZE2 9NT. Walls 203
Bressay	Clerk:	Mrs. K. Manson, Uphouse, 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 Toabsgeo, Virkie, ZE3 9JJ. Sumburgh 60647
Fetlar	Clerk:	Mrs. L. Baisley, Gord, Fetlar, ZE2 9DJ. Fetlar 227
Gulberwick, Quarff	Clerk:	R. Jarmson, Meal, Cunningsburgh, ZE2 9HF. Cunningsburgh 259
Lerwick	Clerk:	Mrs. H. Anderson, Community Council Office, Stouts Court, Lerwick, ZE1 0AF. Lerwick 3483 Bus. Lerwick 3535 Ext 202
Nesting & Lunnasting	Clerk:	Mrs. M. Stonehouse, Kirkabister, Vidlin, ZE2 9QB. Vidlin 283 Bus. Brae 370
Northmavine	Clerk:	Mrs. E. Manson, Murrion, Eshaness, ZE2 9RS. Hillswick 255
Sandness & Walls	Clerk:	Mrs. L. Fraser, West Burrafirth, Bridge of Walls, 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
Whitiness, Weisdale & Tingwall	Clerk:	Mrs. B. Nicolson, Kaltrins, 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.

Source: SIC Administration Dept.

Bibliography

Literature about Shetland is varied and the following is representative of currently available material. It makes no claim to be an exhaustive list. Books, and further information on the latest publications, are available from: The Shetland Times Bookshop, 71/79 Commercial Street, Lerwick, Shetland ZE1 0AB. Tel: (0595) 5531 Fax: (0595) 2897.

General Interest

	£	
Dey, J.	Out Skerries - an Island Community	14.50
Dif G.	Shetland - Terre De Vent	32.00
Finnie, M.	Shetland, An Illustrated Architectural Guide	6.00
Gear, S.	Foula, Island West of the Sun	10.95
Jamieson, D.	Memory Be Green (Fetlar)	3.90
Linklater, E.	Orkney and Shetland	9.95
Mitchell, W. R.	It's A Long Way To Muckle Flugga	12.95
Nicolson, J. R.	Traditional Life in Shetland	7.95
Powell, M.	Edge of the World, the Making of a Film (On Foula)	6.99
Schei, L. K. & Moberg, G.	The Shetland Story	12.99
Shetland Times	A Picture Guide To Shetland	4.95
Wills, J.	Old Rock, Shetland in Pictures	14.95

Economy & History

Butcher, D.	Following the Fishing	5.95
Close-Brooks, J.	St. Ninian's Isle Treasure	1.00
Cohen, A. P.	Whalsay: Symbol, Segment and Boundary in a Shetland Island Community	13.95
Coull, J. R. (Ed)	The County of Shetland (Third Statistical Account of Scotland)	22.50
Crawford, B. (Ed)	Essays in Shetland History	15.00
Durham, J. R.	Night and Day. Recollections of an Island Doctor	4.80
Ferguson, D.	Shipwrecks of Orkney, Shetland and the Pentland Firth	9.95
Flinn, D.	Travellers in a Bygone Shetland	17.50
Fojut, N.	A Guide to Prehistoric and Viking Shetland	4.20
Gray, J.	Lowrie (A Shetland Crofter)	5.95
Howarth, D.	The Shetland Bus	3.99
Irvine, J. W.	Lerwick, the Birth and Growth of an Island Town	9.75
Irvine, J. W.	The Waves Are Free.	
	Shetland Norway Links 1940-45	8.10
Irvine, J. W.	Up-Helly-Aa, a Century of Festival	5.00
Nicolson, J. R.	Hay & Coy, Merchants in Shetland	6.50
Nicolson, J. R.	Lerwick Harbour	7.50
Nicolson, J. R.	Tradition Life in Shetland	6.95
Osler, A. G.	The Shetland Boat	5.00
Peterson, J.P.	The History of Shetland Football 1887-1987	11.95
Ritchie, A.	Orkney and Shetland: Exploring Scotland's Heritage	6.95
Robertson, M.	Sons and Daughters of Shetland 1800-1900	12.60
Robson, A.	Saga of a Ship (Earl of Zetland)	12.00
Shetland Sub Aqua Club	Shetland Shipwrecks	2.00

Smith, B. (Ed)	Shetland Archaeology	15.00
Somner, G.	From 70 North to 70 South (History of the Salvesen Fleet)	4.95
Spence, J. C.	Inga's Story (Growing up in Shetland a Century Ago)	3.60
Sutherland, I.	From Herring to Seine Net Fishing on the East Coast of Scotland	12.50
Tudor, J. R. (Facsimile)	The Orkneys and Shetland	28.00
Wills, J.	A Place in the Sun - Shetland and Oil	11.99

Natural Environment & Wildlife

Berry & Johnston	The Natural History of Shetland	6.50
Gosling A. (Ed)	A Century of Shetlands 1890-1990	12.00
Guy, P.	Walking the Coastline of Shetland, The Island of Yell	2.00
Guy, P.	Walking the Coastline of Shetland, No. 2 (Unst)	3.00
Hodgson, A.	Shetland Ponies	16.95
Institute of Geographical Sciences	British Regional Geology, Orkney & Shetland	2.25
Malcolm, D.	Shetland's Wild Flowers	5.95
Scott, W. & Palmer, R.	Flowering Plants of the Shetland Islands	21.00
Thom, V.	Fair Isle. An Island Saga	12.95
Tulloch, B.	Bobby Tulloch's Shetland	14.95
Tulloch, B.	Migrations	17.99

Folklore, Language and Music

Anderson, T.	Ringing Strings	3.60
Anderson, T. & Swing, P.	Hand Me Doon Da Fiddle	4.50
Cook, P.	The Fiddle Tradition of the Shetland Isles	30.00
Graham, J. J. & Tait, J.	The Shetland Folk Book Volume 8	5.00
Graham, J.	Shetland Dictionary	8.40
Nicolson, J. R.	Shetland Folklore	8.75
Robertson, T. A. & Graham, J.	Grammar and Usage of the Shetland Dialect	6.95
Simmons, J.	A Shetland Cookbook	4.80

Knitting

Dawson, P.	Traditional Island Knitting	8.95
McGregor, S.	The Complete Book of Traditional Fair Isle Knitting	8.95
National Trust for Scotland	Traditional Fair Isle Knitting Patterns	1.50
Simmons, J.	A Shetland Dye Book	4.50
Smith, M. & Bunyan, C.	A Shetland Knitters Notebook	6.95
Smith, M. & Twatt, A. M.	Shetland Pattern Book	3.60
Stammore, A.	The Fair Isle Knitting Handbook	15.95

Books For Children

Fidler, K.	Haki the Shetland Pony	1.95
Leask, W.	Bess: Tales of a Middle Aged Sheepdog	1.80
Whittall, M.	My Travels in Shetland	4.99
Wills, J.	Magnus Pole	2.50

Local Information

Jamieson, J.	Harry's Shetland Fishing Almanac	2.40
SIC (Leisure & Recreation)	Shetland Community Directory	2.00
Shetland Islands Tourism	The Shetland Guide Book	2.50
Shetland Islands Tourism	Where To Stay in Shetland	0.50
Shetland Islands Tourism	Inter-Shetland Transport Timetable	0.50

Maps

Bartholomew Shetland Leisure Map 1:100,000	2.50
Tourist Map Shetland and Orkney	2.25
Lerwick Street Plan Lerwick Community Council	1.50
Hjaltaland Map by Roy Gronneberg	4.99
Also Ordnance Survey Maps 1:25,000 (£3.25) and 1:50,000 (£3.70)	

The Shetland Economic Survey 1987/88

This report was produced by Prof. McNicol of the Fraser of Allender Institute in March 1990. Over 140pp it consists of the following Reports for 1987/1988:

1. The 1987 Shetland Social Accounting Matrix
2. Shetland Regional Accounts
3. The Fisheries Sector
4. The Oil Sector
5. The Agricultural Sector
6. The Knitwear Industry
7. The Visitor Trade
8. Contribution of Government to the Shetland Economy
9. Shetland Household Expenditure Survey

Photocopies are available from Research and Development Department, Shetland Islands Council, 93 St. Olaf Street, Lerwick, Shetland, ZE1 0ES, at a cost of £10.00 for the entire Study or £1.50 for individual Reports.

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
Temperature	
F = Degrees Fahrenheit	C = Degrees Centigrade
Centigrade : Fahrenheit	$F = \frac{8C}{5} + 32$
Fahrenheit : Centigrade	$C = \frac{5(F-32)}{9}$