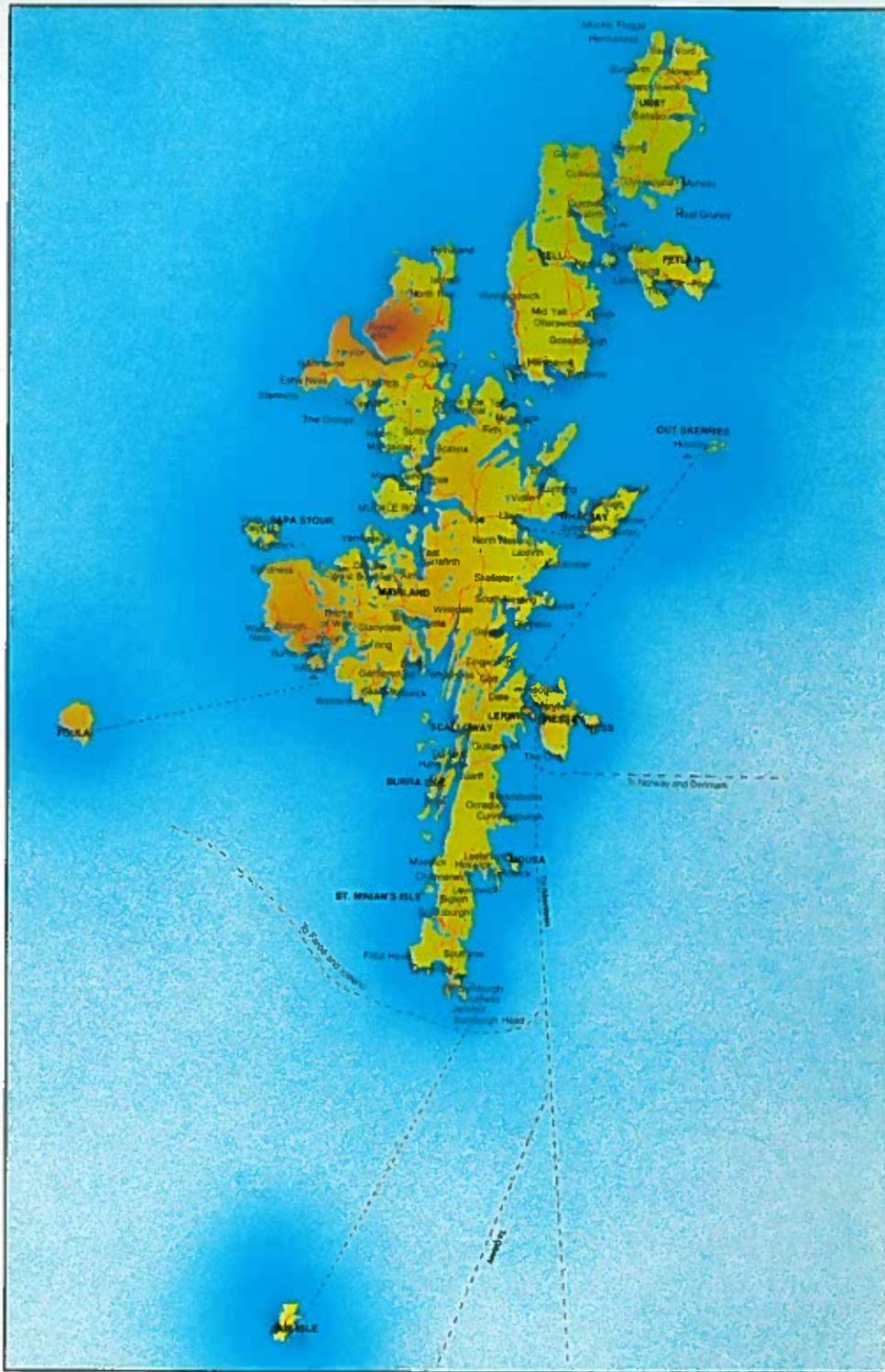


# Shetland in Statistics



Map supplied by Shetland Islands Tourism



# 1992

No. 21 £2.00

# Shetland in Statistics



Published by  
Shetland Islands Council  
Development Department

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 Shetland Islands Council  
 Development Department  
 93 St. Olaf Street, Lerwick, Shetland, ZE1 0ES

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 21st Edition

Printed by Shetland Litho, Prince Alfred Street, Lerwick.

ISBN 0 904562 31 X

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Cover photo:  
 North Atlantic Fisheries College, Scalloway, with fishing boat in foreground.

## Acknowledgements

The Development Department thank the following for their help and co-operation in providing information:

Department of Agriculture & Fisheries, Lerwick and Edinburgh; Mrs Alice Arthur, Skerries; British Ports Federation; College of Agriculture, Aberdeen; A. E. Cook, Airwork Ltd., Unst; Counters Islands Manager, Post Office Counters Ltd., Lerwick; Delivery Manager, Royal Mail, Lerwick; Department of the Environment, London; D. Flinn, University of Liverpool; General Registry Office (Scotland), Edinburgh; Firemaster, Highlands & Islands Fire Brigade, Inverness; Hjaltland Housing Association, Lerwick; Mr John Holbourn, Foula; Mr Kenneth Hughson, Fetlar; IAL plc, Scatsta; Institute of Petroleum, London; Mr Harry Jamieson, Lerwick; Job Centre, Lerwick; Lerwick Harbour Trust; Lerwick Power Station; Loganair, Tingwall; Meteorological Office, Lerwick and Edinburgh; Janet Mullins, External Affairs, Sullom Voe Oil Terminal; Chief Inspector, Northern Constabulary, Shetland Sub-Division; Department of Transport, London; OIL service base companies; Orkney & Shetland Joint Valuation Committee, Lerwick; Pennwell Books, London; P&O Ferries, Aberdeen and Lerwick; RNLI, Aith and Lerwick; Scottish Hydro Electric plc, Lerwick; Shetland Health Board, Lerwick; Shetland Islands Tourism, Lerwick; Shetland Knitwear Trades Association, Lerwick; Shetland Library, Lerwick; Shetland Salmon Farmers' Association, Lerwick; Shetland Times Bookshop; Highlands and Islands Airports Ltd., Sumburgh; Scottish Natural Heritage, Lerwick; Department of Transport, Swansea; TV Licence Records Office, Inverness; Mr D. Wheeler, Fair Isle; Mr Andrew Williamson, Whalsay; Wool Growers of Shetland Ltd., Bressay;

All SIC Departments supplying information.

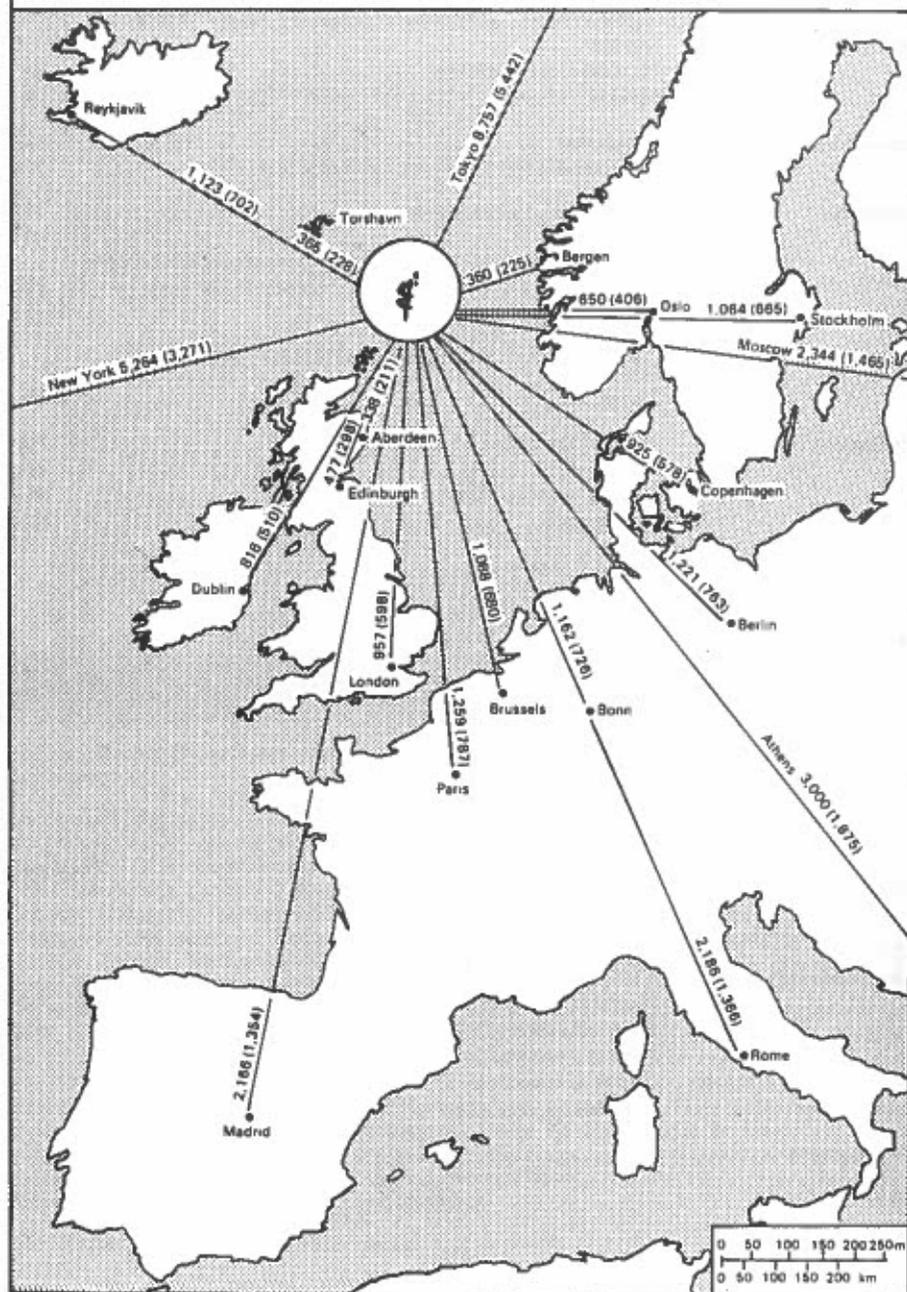
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## Shetland: Location

Lerwick is Lat 60° 9' N  
Lon 1° 9' W

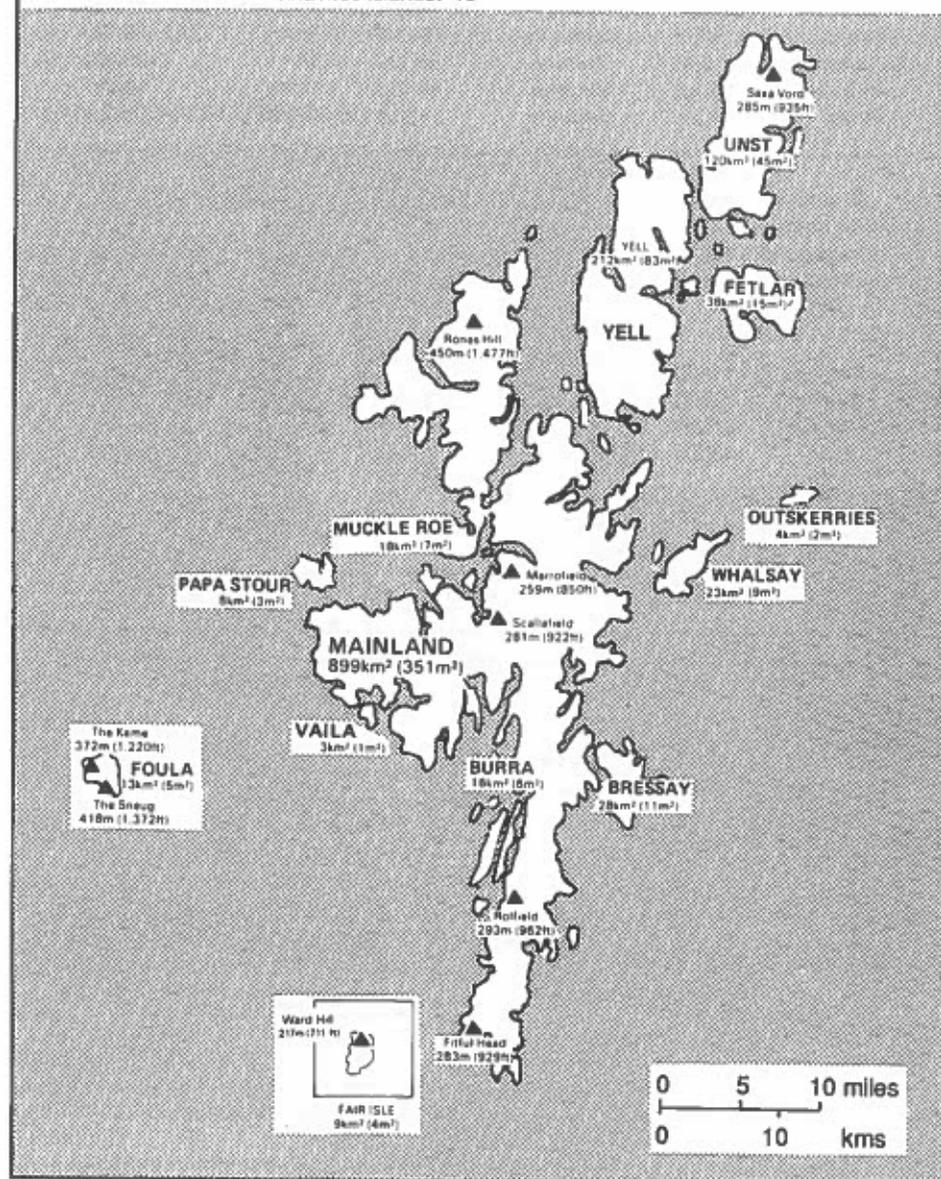
Approximate distances from Shetland  
in kilometres (statute miles)



## 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

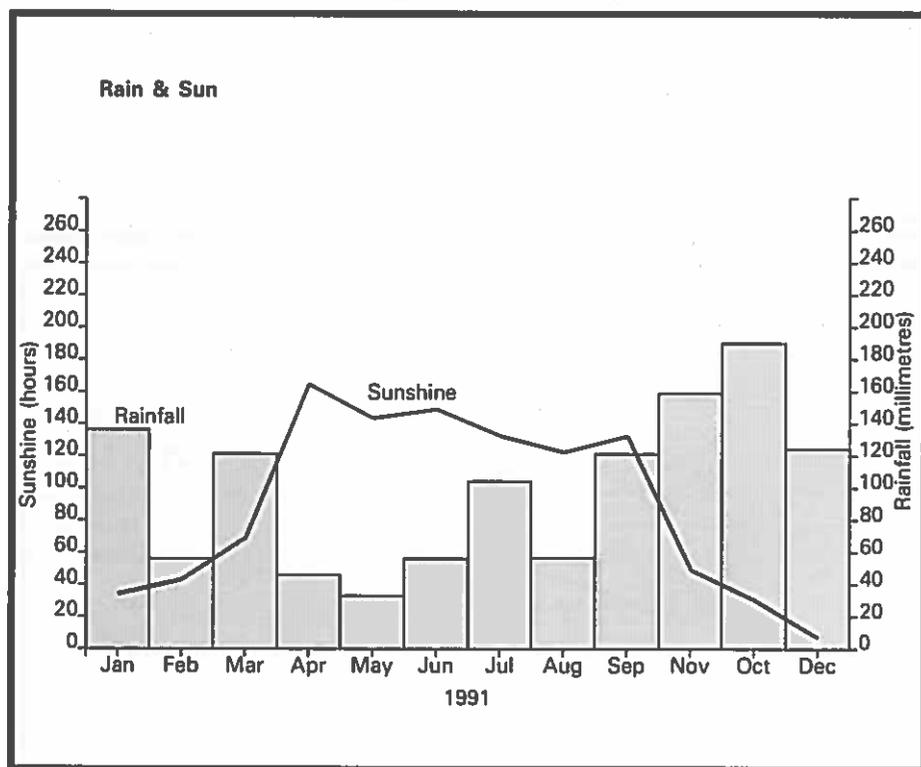




## Monthly totals

	Sunshine (hours)		Rainfall (millimetres)	
	1991	Extreme daily values (1922-1991)	1991	Extreme daily values (1922-1991)
Jan	33.9	(23.1)	136	(127)
Feb	43.2	(54.2)	56	(93)
Mar	68.1	(84.0)	121	(93)
Apr	164.5	(135.1)	46	(72)
May	144.0	(152.2)	33	(64)
Jun	149.2	(158.5)	56	(64)
Jul	133.9	(124.9)	104	(67)
Aug	122.1	(117.8)	57	(78)
Sep	132.4	(95.3)	121	(113)
Oct	49.7	(63.5)	158	(119)
Nov	30.5	(32.8)	190	(140)
Dec	6.9	(14.9)	124	(147)
Year	1,078.4	(1,056.3)	1,202	(1,177)

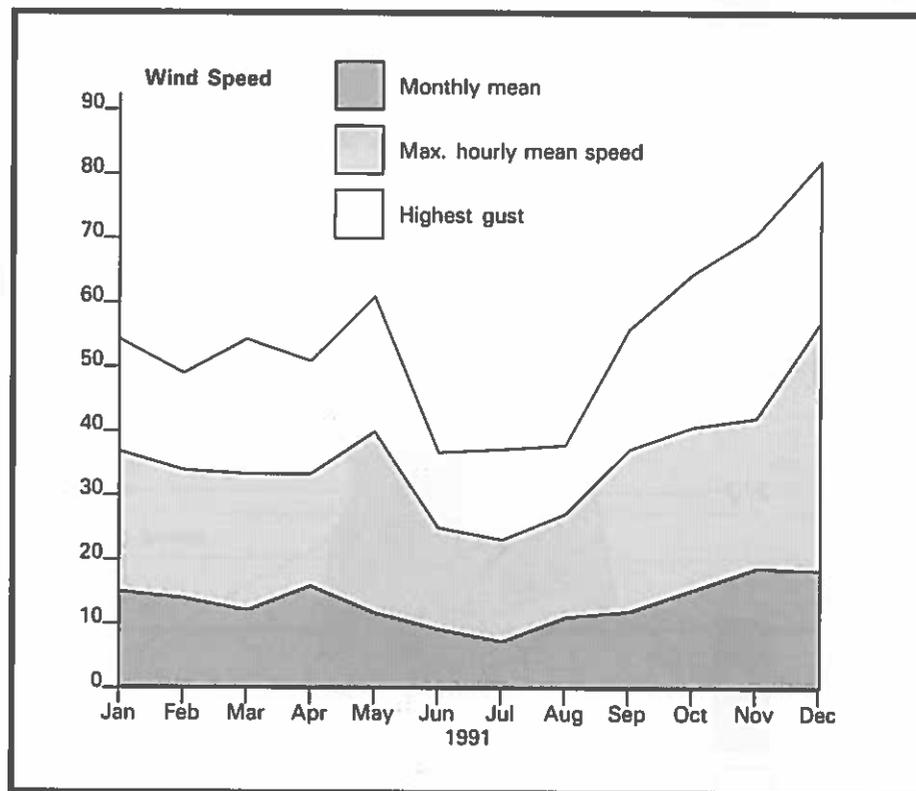
Figures in brackets are 1951-1980 averages.



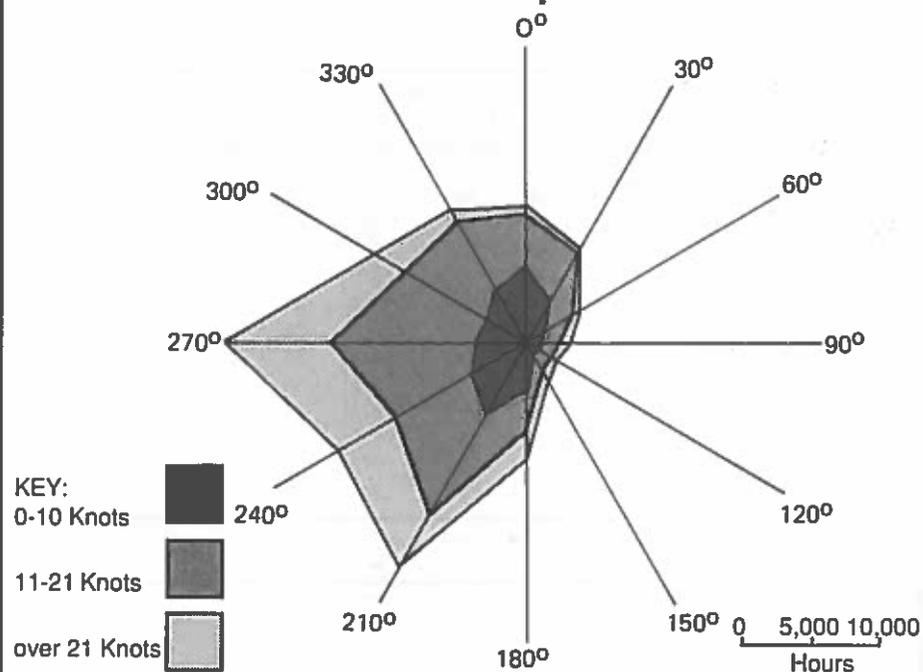
## Wind Speed (knots)

	monthly mean		Max hourly mean speed 1922-1991			Highest gust 1922-1991				
	1991	1951-1985	1991	speed	direction	year	1991	speed	direction	year
Jan	15.0	(16.9)	37	(64)	220	1961	54	(95)	220	1960
Feb	14.2	(15.4)	34	(56)	230	1981	49	(83)	220	1957
Mar	12.9	(15.9)	33	(53)	240	1967	54	(77)	240	1967
Apr	15.9	(13.3)	33	(55)	250	1957	51	(78)	250	1957
May	12.5	(11.9)	40	(44)	100	1982	61	(65)	110	1982
Jun	9.4	(11.7)	25	(42)	260	1955	36	(61)	260	1955
Jul	7.5	(11.3)	23	(40)	030	1940	37	(61)	290	1964
Aug	11.3	(10.9)	27	(50)	240	1923	38	(71)	240	1923
Sep	12.7	(13.2)	37	(59)	210	1978	56	(87)	260	1963
Oct	15.2	(15.0)	41	(58)	230	1965	64	(90)	250	1980
Nov	18.6	(15.4)	43	(51)	240	1973	71	(80)	220	1938
Dec	17.0	(16.9)	57	(58)	260	1949	82	(90)	220	1956

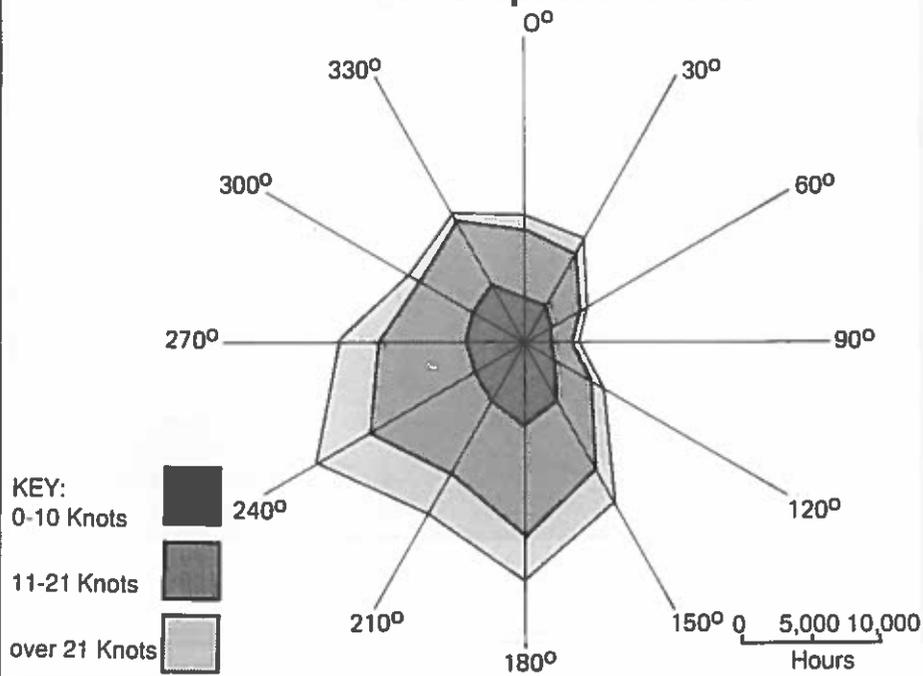
(Lerwick Observatory: 60°08'N, 01°11'W. Wind vane 93 m above sea level).



### Wind Direction & Speed: 1989



### Wind Direction & Speed: 1970-86



### No. of days in 1991 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Fog	Rain
Jan	12 (14.3)	6 (10.3)	1 (0.8)	6 (7.9)	1 (0.5)	23 (26)
Feb	13 (11.1)	9 (9.9)	0 (0.7)	4 (4.7)	0 (0.4)	20 (20)
Mar	3 (11.9)	0 (7.2)	0 (0.3)	1 (5.4)	3 (1.0)	24 (21)
Apr	6 (7.4)	4 (4.7)	0 (0.1)	1 (1.8)	0 (1.5)	17 (19)
May	0 (2.3)	0 (0.6)	0 (0.1)	1 (0.9)	1 (2.2)	18 (17)
Jun	0 (0.1)	0 (0.0)	0 (0.3)	0 (0.6)	0 (2.5)	17 (16)
Jul	0 (0.0)	0 (0.0)	3 (0.4)	0 (0.4)	7 (3.0)	16 (17)
Aug	0 (0.0)	0 (0.0)	1 (0.3)	0 (0.5)	4 (2.8)	17 (17)
Sep	0 (0.1)	0 (0.0)	0 (0.1)	1 (2.4)	1 (2.2)	25 (20)
Oct	2 (1.4)	0 (0.5)	1 (0.2)	3 (4.6)	3 (1.6)	24 (22)
Nov	5 (8.3)	1 (4.4)	4 (0.9)	6 (5.5)	0 (0.2)	29 (25)
Dec	8 (12.2)	3 (8.1)	2 (0.5)	8 (7.9)	0 (0.6)	23 (25)
<b>Total</b>	<b>49 (69.1)</b>	<b>23 (45.7)</b>	<b>12 (4.7)</b>	<b>31 (42.6)</b>	<b>20 (18.5)</b>	<b>253 (245)</b>

Figures in brackets are 1951-85 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 minutes.

Fog: visibility less than 1000 metres at 09.00 H GMT.

Rain: precipitation 0.2mm or more recorded in the 24 hour period commencing 09.00 H GMT.

### Extreme Values 1991

#### Temperature (deg. C.)

Max. Temp.	5th July	23.4
Min. Temp.	22nd December	-3.8

#### Sunshine (hours)

Sunniest Day	2nd July	15.9
Sunniest Month	April	164.5

#### Rainfall (millimetres)

Wettest Day	31st July	27
Wettest Month	November	190
Driest Month	May	33

#### Wind Speed (knots)

Highest Gust	19th December	82
Windiest Month	November	21.3

**New Year Hurricane:** In the early hours of 1st January, 1992, a severe storm struck the Shetland Islands. The official mean wind speed recorded at Muckle Flugga was 73 knots (89 mph), with gusts reaching the maximum of the instrument scale at 150 knots (173 mph). Unofficial figures placed mean speeds at 109 knots (125 mph), with gusts at 169 knots (194 mph). Both the official and unofficial figures represent all time records for the UK.

# Population

The provisional count from the 1991 Census (21st April) was 22,017.

In-migrants .....	273	Births .....	72
Out-migrants .....	209	Deaths .....	57

## 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	871	1,047	1,023	1,036
Skerries .....	110	127	108	100	92	85	89
Mavis Grind - North .....	1,343	1,054	816	696	748	771	805
Delting .....	958	863	701	674	2,755	2,877	2,732
Nesting .....	822	563	434	380			
Tresta - Bridge of Walls ..	1,562	1,225	957	873	1,059	950	979
West of Bridge of Walls ..	884	687	561	483	592	550	558
Foula .....	118	75	54	33	43	43	39
Papa Stour .....	100	68	55	24	35	35	32
Whiteness/Weisdale/ Gott/Tingwall .....	1,140	1,604	1,603	1,671	1,119	1,112	1,198
Scalloway .....	-	-	-	-	1,195	1,133	1,160
Trondra .....	91	54	20	17	86	109	108
Burra .....	767	648	653	565	848	872	889
Lerwick .....	4,221	5,538	5,908	6,127	7,255	7,505	7,626
Bressay .....	452	335	269	251	347	334	368
Quarff/Gulberwick .....	1,518	426	385	171	315	392	408
Sandwick/Cunningsburgh ..	1,507	1,376	1,172	1,120	1,323	1,291	1,311
Bigton Junction - South ..	1,089	1,021	858	848	1,883	1,568	1,658
Fair Isle .....	108	73	64	65	75	69	70
<b>Total Population .....</b>	<b>21,131</b>	<b>19,352</b>	<b>17,812</b>	<b>17,327</b>	<b>23,130</b>	<b>22,903</b>	<b>23,214</b>

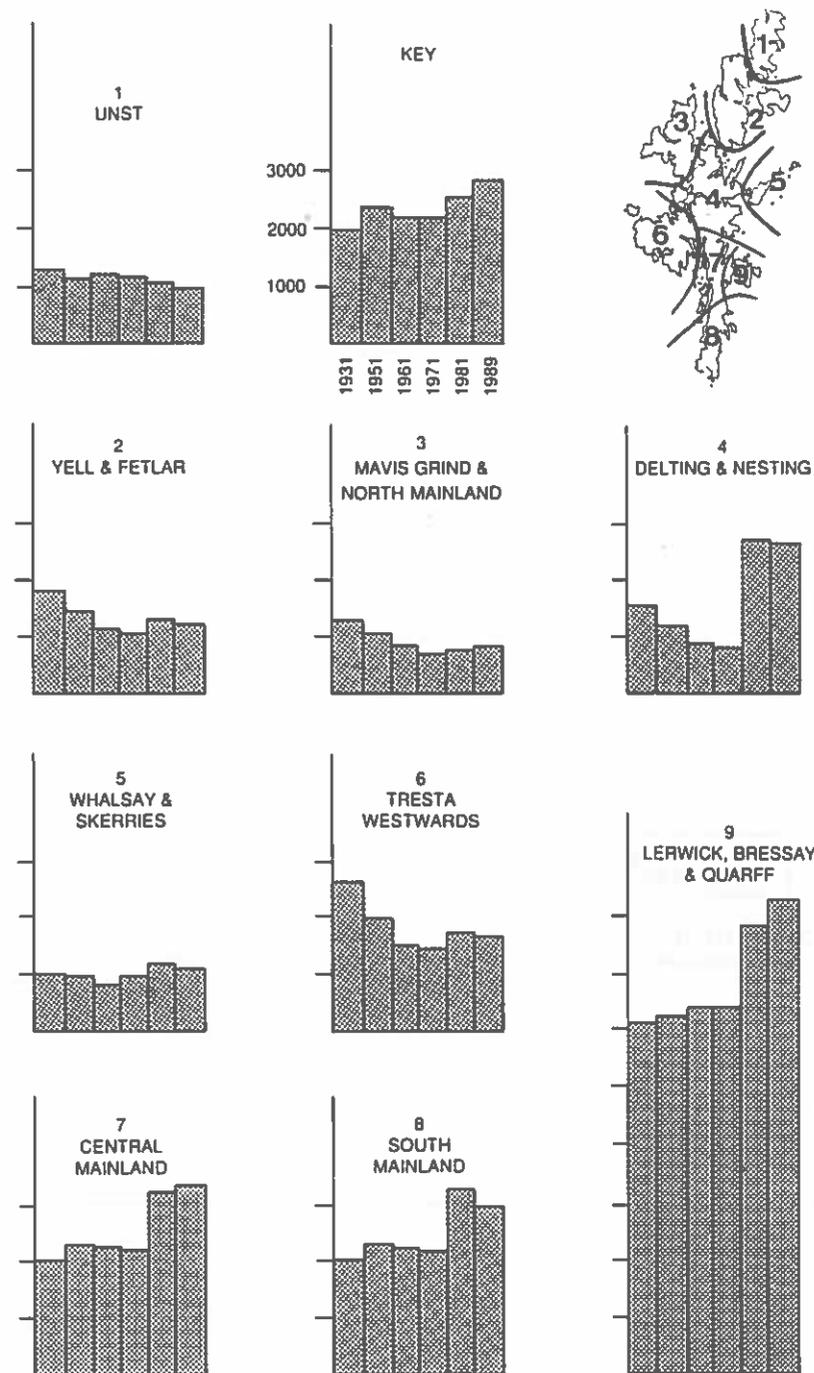
Figures in columns 1-4 Population Census. Figures in columns 5-7 Shetland Health Board Estimates.

## Population of Shetland by age and doctor registration area

June 1991	Under-65	65 - 74	75 +	Total
Unst.....	810	49	41	900
Yell .....	988	103	67	1,158
Whalsay .....	1,017	62	57	1,136
Hillswick .....	576	84	40	700
Brae .....	2,593	112	70	2,775
Walls .....	561	53	51	665
Bixter .....	891	94	62	1,047
Levenwick .....	2,168	146	115	2,429
Scalloway .....	2,359	199	119	2,677
Lerwick .....	8,368	612	393	9,373
<b>Total</b>	<b>20,331</b>	<b>1,514</b>	<b>1,015</b>	<b>22,860</b>

Source: Shetland Health Board

## 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
15-19	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			
85-90				78	178	256
90+				25	58	83
<b>Total</b>	<b>11,437</b>	<b>11,331</b>	<b>22,768</b>	<b>10,789</b>	<b>11,481</b>	<b>22,270</b>

1981 figures from 1981 Census - (usually resident population, not including temporary residents).  
1990 figures; Registrar General's estimates for 30th June, 1990.

## Employment

### Employment in Shetland

	1971(a)	1977(b)	1981(c)	1983(d)	1988(d)	1991(d)
Primary	279	322	938	1,276	1,187	1,387
Manufacturing	1,335	1,125	940	923	962	1,206
Construction	489	1,004	906	763	766	809
Services	2,885	4,400	6,189	5,779	5,929	6,263
Self Employed	1,445	1,450	1,452	1,455	1,565	1,707
<b>Total</b>	<b>6,433</b>	<b>8,301</b>	<b>10,425</b>	<b>10,196</b>	<b>10,409</b>	<b>11,372</b>

Note: These figures do not include the construction workforce at the Sullorn 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 Development Department estimate; (d) Shetland Islands Council Development Department survey.

## Employment by Industrial Category in 1991

Primary	Employees	Self Employed	Total
Agriculture (inc. Horticulture)	202	196	398
Fishing	0	458	458
Fish Farming	325	61	386
Oil	737	0	737
Energy	92	1	93
Water	31	0	31
<b>Total</b>	<b>1,387</b>	<b>716</b>	<b>2,103</b>

Manufacturing	Employees	Self Employed	Total
Quarrying/Building Products	48	3	51
Marine Engineering	268	11	279
Other Engineering	11	6	17
Fish Processing	573	5	578
Other Food	96	8	104
Knitwear	89	28	117
Other Textiles	27	9	36
Misc	94	16	110
<b>Total</b>	<b>1,206</b>	<b>86</b>	<b>1,292</b>

Construction	Employees	Self Employed	Total
	809	211	1,020

Services	Employees	Self Employed	Total
Distribution	1,257	279	1,536
Tourist Accommodation	316	156	472
Catering	312	33	345
Air Transport	204	0	204
Other Transport	696	78	774
Communications	219	17	236
Finance/Business	407	61	468
Public Admin	597	0	597
Health & Education	1,192	34	1,226
Misc Services	1,063	36	1,099
<b>Total</b>	<b>6,263</b>	<b>694</b>	<b>6,957</b>

Note: A Shetland Islands Council Development Department survey showed that in 1991 over 27 per cent of those in employment were part-time. 42 per cent of the workforce were female, and 50 per cent of female jobs were part-time, compared with 11 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

## Unemployment percentage as at June each year

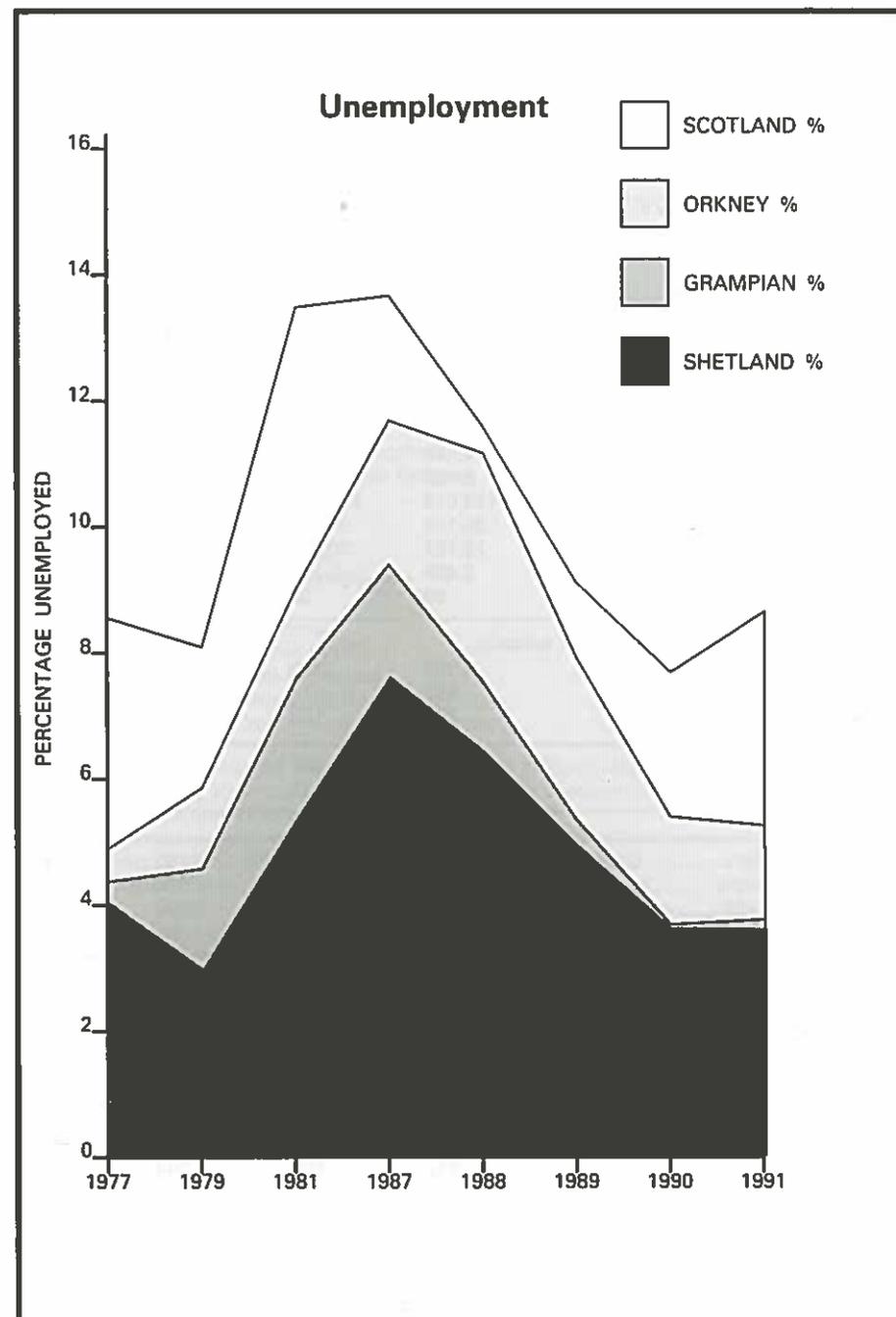
	1977	1979	1981	1987	1988	1989	1990	1991
Shetland %	4.0	2.8	5.3	7.6	6.4	4.9	3.7	3.6
Actual Figures Jan:	213	220	402	899	740	657	416	354
July:	289	233	457	766	611	440	366	314
Orkney %	4.8	5.7	9.0	11.7	11.2	7.9	5.6	5.5
Western Isles %	14.0	11.8	20.1	17.3	20.2	14.3	11.9	14.5
Grampian %	4.3	4.6	7.6	9.4	7.5	5.3	3.8	4.0
Strathclyde %	9.8	9.8	16.1	18.0	15.6	12.6	11.3	12.3
Scotland %	8.6	8.1	13.5	13.7	11.6	9.1	7.7	9.0

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 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	1985/6	1987/8	1990/1
Fish Catching	11.2	17.0	17.8	16.7
Fish Processing	12.7	15.0	17.5	21.0
Salmon Farming	—	3.3	19.9	23.3
Agriculture	5.8	7.8	9.3	10.0
Knitwear	4.2	6.4	6.5	3.5
Tourism	3.5	5.9	8.1	10.0
<b>Total</b>	<b>37.4</b>	<b>55.4</b>	<b>79.1</b>	<b>84.5</b>

\* Output values for Shetland's oil and oil-related firms are included in the Industry Section.  
Source: McNicoll Survey and Development Department estimates.



## Youth Unemployment in Shetland:

	1980		1984		1986		1987		1989		1990		1991	
	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June	Jan	June
Unemployed	9	34	41	115	49	142	48	164	24	53	13	13	20	98
On Schemes	5	7	38	51	120	100	127	126	239	213	233	215	245	237
<b>Total</b>	<b>14</b>	<b>41</b>	<b>79</b>	<b>166</b>	<b>169</b>	<b>242</b>	<b>175</b>	<b>290</b>	<b>263</b>	<b>266</b>	<b>246</b>	<b>228</b>	<b>265</b>	<b>335</b>

## Agriculture

	1971	1981	1990	1991
<b>Land Use (Figures to nearest hectare):</b>				
Tillage	1,410	1062	877	749
Grassland & Crops	8,407	8,400	13,127	13,688
Rough Grazing (inc. C Grazing)	129,019	133,160	130,788	130,965
Total Area Rented	38,130	36,046	35,939	36,261
Total Area Owned	28,161	30,368	33,211	33,542
No. of Holdings	2,439	2,240	2,189	2,185
No. of Common Grazings	93	93	99	100
<b>Area Under Crops (Figures to nearest hectare):</b>				
Grass (excl. Rough Grazings)	6,998	7338	12,250	12,939
Barley & Oats	857	511	278	217
Turnips & Swedes	134	103	103	105
Kale & Cabbage	73	34	31	35
Potatoes	256	232	112	139
All Other Crops	17	25	154	116
<b>Livestock:</b>				
Beef Cows & Heifers	2,492	1,896	2,165	2,109
Dairy Cows & Heifers	791	593	584	596
Total Cattle	6,945	5,103	5,594	5,660
Breeding Ewes & Gimmers	n/a	n/a	197,365	202,884
Total Sheep	264,779	297,558	366,173	379,628
Pigs	9	83	26	28
Poultry	12,950	8,672	3,348	4,186
Registered Slaughter Houses	9	8	4	4
Sheep Slaughtered	8,417	9,592	6,395	8,712
Cattle Slaughtered	485	278	234	339
Pigs Slaughtered	0	0	23	33
Sheep Exported	43,464	60,542	104,196	99,404
Cattle Exported	1,947	2,066	2,074	2,117
Ponies Exported	417	407	244	239
Pigs Exported	0	0	0	0
Wool Production (Kilos)	n/a	c.212,000	c.300,000	c.300,000
<b>Milk:</b>				
Dairy Units	23	23	17	16
Milk Production (Litres)	1,428,975	2,069,550	2,677,230	2,584,564

	1971	1981	1990	1991
<b>Employment:</b>				
F/T & P/T Employees	222	204	264	246
F/T & P/T Occupiers	439	457	989	913
Others (including occupiers less than half time, wives/husbands of occupiers and casual/seasonal labour)	584	718	1,033	1,138

### Capital Improvements

Land Improvements:	Reclamation	2.00 hectares
	Regeneration	195.70 hectares
	Reseeding/Permanent Pasture	71.88 hectares
	Drainage — Piped	6920 metres
	Open Ditching	60525 metres
Apportionments:	Applications Received	24
	Apportionments Granted	25
	Area Granted	383.59 hectares
Grant Aided Capital Investments:	New Silos	6
	Fanks and Dippers	32
	Byres	2
	GP Sheds	31
	Slatted Courts	2
	Cubicle Houses	0
	New Croft Houses	14
	Croft House Improvements	10

In 1991 Shetland accounted for 17% of claims and 18% of total expenditure of the Crofters Commission. Orkney accounted for 9% of claims and 8% of expenditure and Caithness accounted for 11% of claims and 12% of expenditure.

Improvements Under ADP:	1989	1990	1991
Reseeding/Reconditioning/ Permanent Pasture	270.04 ha	404.66 ha	899.26 ha
Drainage	16,563 m	41,007 m	24,996 m

Source: Scottish Office Agriculture and Fisheries Department  
ADP: EC Agricultural Development Programme for the Scottish Islands

## Shetland Islands Council Charitable Trust Assistance to Shetland Agriculture

As part of the Shetland Islands Council's 10 Year Agricultural Plan, the SIC Charitable Trust operates an Agricultural Loans Scheme which started in September, 1982. The following table summarises the salient features of 268 agricultural loans approved up to an including the Trustees' meeting of 20th December, 1991.

### Development Projects:

Type of project	Numbers	Hectares	Metres	Gross Cost
Drainage/Ditching		75.70	373,286	£ 311,975
Fencing		218.50	461,338	£ 855,508
Roads			29,017	£ 183,958
Reseeding		3,751.10		£1,272,912
Buildings				£2,543,437
Machinery				£1,063,497
Livestock: Sheep	11,958			£ 359,201
Cattle	436			£ 207,645
Pigs	7			£ 820
Land Purchased/Assigned		3,062.48		£ 756,601
Loan to NEF to provide Emergency Stockpile of Animal Feedstuffs				£ 32,000
Other (Horticultural & Drystane Dykes & Milk Quota)				£ 154,072
Allowance for Inflation				£ 265,133
<b>Total Gross Cost</b>				<b>£8,006,759</b>
Financed by: Grants (from DAFS, HIE and SIC Reserve Fund)				£2,918,320
Personal Contributions (A minimum of 15% of the Gross Costs before inflation. This does not apply to the £32,000 Emergency Stockpile)				£1,213,778
Loans from the SIC Charitable Trust				£3,874,661
Sums Relinquished/Loans Withdrawn				£ (411,513)
Balance of Funds				£ 314,852
<b>Scheme Total</b>				<b>£3,775,000</b>

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 (Excluding pelagic landings)

	White Fish		Shell Fish		Sand Eels	
	Tonnes	£	Tonnes	£	Tonnes	£
1971	17,954	1,057,691	783	159,370	0	0
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	1,033	1,134,586	7,947	304,986
1990	11,362	12,820,321	1,110	1,315,049	10,544	464,655
<b>1991</b>						
Jan	956	1,210,911	65	136,842	0	0
Feb	1,225	1,189,326	20	9,934	0	0
Mar	1,123	1,116,575	109	179,044	0	0
Apr	839	1,015,464	71	89,391	0	0
May	971	1,154,073	79	111,031	983	42,556
Jun	866	1,012,933	72	93,244	4,524	208,376
Jul	916	981,383	39	73,733	2,026	108,165
Aug	820	831,982	80	105,336	716	33,679
Sep	719	797,489	172	196,608	0	0
Oct	848	1,062,517	190	170,874	0	0
Nov	721	806,659	41	78,459	0	0
Dec	569	643,873	66	157,514	0	0
<b>Total</b>	<b>10,603</b>	<b>10,823,185</b>	<b>1,004</b>	<b>1,402,010</b>	<b>8,249</b>	<b>392,776</b>

### Included in White Fish Total

	1988		1990		1991	
	Tonnes	£	Tonnes	£	Tonnes	£
Cod	2,958	2,646,931	2,497	2,932,399	2,220	2,744,602
Haddock	5,118	3,116,143	2,466	2,702,298	2,140	2,447,125
Whiting	2,561	1,487,444	1,958	1,472,432	2,463	1,437,210
Monkfish	1,575	2,285,061	2,122	3,762,667	1,429	3,554,426

### Average Quay Prices per tonne

	1984	1985	1986	1988	1989	1990	1991
	£	£	£	£	£	£	£
Cod	581.33	634.85	828.42	894.84	936.23	1,174.00	1,236.31
Haddock	513.70	610.10	565.40	608.86	749.94	1,096.00	1,143.52
Whiting	319.95	476.92	506.43	580.81	549.73	752.00	583.52
Monkfish	—	—	1,507.60	1,450.83	2,029.40	1,773.00	2,487.35

## Pelagic Landings in Shetland by UK Vessels

	Herring		Mackerel		Other Pelagic	
	Tonnes	£	Tonnes	£	Tonnes	£
1983	4,656	643,822	0	0	0	0
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
1990	49,113	5,479,327	39,197	4,515,021	5,530	250,333
<b>1991</b>						
Jan	0	0	2,149	262,092	0	0
Feb	0	0	1,042	133,810	20	492(a)
Mar	0	0	0	0	0	0
Apr	0	0	0	0	1,798	71,995(c)
May	0	0	0	0	440	17,684(c)
Jun	0	0	0	0	1	243
Jul	3,540	375,514	0	0	0	0
Aug	30,435	2,950,948	0	0	0	0
Sep	2,961	293,013	0	0	0	0
Oct	775	73,585	7,493	982,953	2,718	183,970(a)
Nov	1,137	106,899	12,981	1,641,109	147	10,290(a)
Dec	2,836	163,189	14,849	1,809,826	0	0
<b>Total</b>	<b>41,684</b>	<b>3,963,148</b>	<b>38,514</b>	<b>4,829,790</b>	<b>5,124</b>	<b>284,674</b>

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

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

1985		1988		1990		1991	
Tonnes	£	Tonnes	£	Tonnes	£	Tonnes	£
68,966	13,826,680	65,842	15,661,106	115,566	23,529,657	104,187	21,338,570

## Employment in the Shetland Fishing Industry

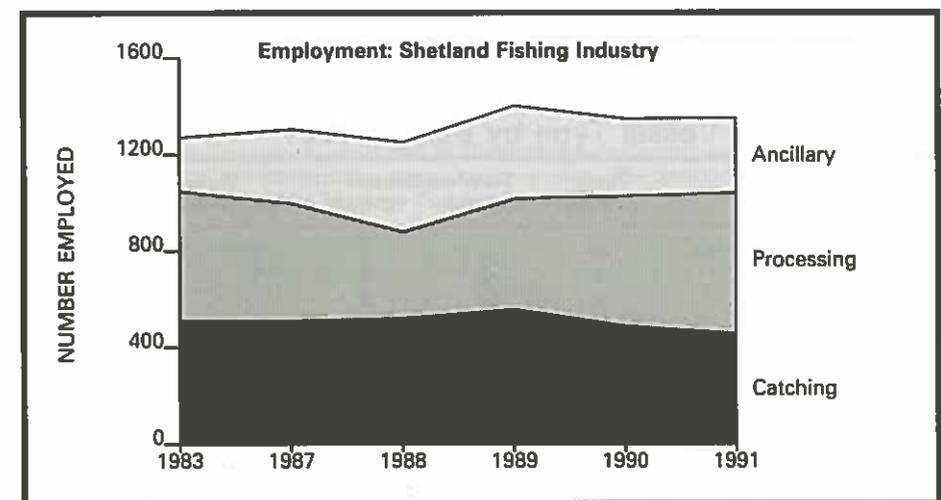
	1971	1981	1983	1987	1988	1989	1990	1991
Catching	636	542	515	512	535	574	491	458
Processing	967	480	516	468	329	445	533	578
Ancillary	171	243	244	326	330	386	332	317
<b>Total</b>	<b>1,774</b>	<b>1,265</b>	<b>1,275</b>	<b>1,306</b>	<b>1,194</b>	<b>1,405</b>	<b>1,356</b>	<b>1,353</b>

## Weight and Value of Catch by Method

	1989		1990		1991	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	2,853	2,021,262	2,462	2,388,822	3,346	2,595,164
Industrial Trawler	7,947	305,081	10,260	453,142	8,249	392,856
Demersal Trawl	9,037	8,331,127	8,404	9,396,638	7,692	8,983,964
Purse Seine	83,383	10,302,838	82,915	9,368,368	74,932	8,091,220
Pair Trawl (Demersal)	571	397,555	1,014	1,079,872	359	261,024
Pair Trawl (Pelagic)	4,599	522,352	4,253	474,007	2,798	344,707
Single Boat Trawl	1,873	103,496	6,157	367,588	7,583	732,290
Scallop Dredging	97	151,602	446	844,147	404	801,552
Queen Escallop	127	40,734	102	33,121	40	15,116
Dredging	389	499,960	504	392,610	1	274
Creels	263	198,798	0	0	404	398,285
Hand & Small Lines	4	3,826	0	111	16	18,369
Hand Gathered	11	4,352	78	16,027	39	52,766
<b>Total</b>	<b>111,154</b>	<b>22,882,983</b>	<b>116,595</b>	<b>24,814,453</b>	<b>105,863</b>	<b>22,687,587</b>

## 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 Shetland and Orkney Ports, 1990

Port	Value
Lerwick .....	£17,540,300
Scalloway .....	£ 5,572,700
Kirkwall .....	£ 1,149,400
Yell .....	£ 725,800
Stromness .....	£ 462,100
Westray .....	£ 448,000
Sella Ness .....	£ 334,100
West Burrafirth .....	£ 278,000
Northmavine .....	£ 232,800
Sanday .....	£ 150,000
Rousay .....	£ 135,400
South Ronaldsay .....	£ 125,200
Hoy .....	£ 110,500

## Distribution of Vessel Type

	Purse Seiners	Trawlers/Seiners		Vessels		Total
		over 80 ft	50-80 ft	30-50 ft	0-30 ft	
1971	3	0	38	36	59	136
1976	5	0	46	29	57	137
1981	10	0	43	27	44	124
1983	11	0	43	25	46	125
1985	12	0	41	29	55	137
1986	10	0	36	19	48	113
1987	10	0	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
1991	10	5	34	20	22	91

(over 80 ft 0 new category introduced 1988)

## Distribution of Vessel Type by District 1991

	Purse Seiners	Trawlers/Seiners		Vessels		Total
		over 80ft	50-80 ft	35-50 ft	20-35 ft	
South Mainland & Fair Isle	0	0	0	0	3	3
Lerwick & Bressay	0	0	5	0	2	7
Whalsay	9	2	8	1	1	21
Out Skerries	0	0	2	0	2	4
Yell, Fetlar & Unst	0	0	2	2	1	5
Central Mainland	0	0	0	1	3	4
Northmavine	1	0	1	0	3	5
West Mainland (inc. Foula)	0	1	0	3	6	10
Scalloway, Burra & Trondra	0	2	16	8	6	32
<b>Total</b>	<b>10</b>	<b>5</b>	<b>34</b>	<b>15</b>	<b>27</b>	<b>91</b>

## Fish Processing

	1984	1985	1987	1988	1989	1990	1991
Number of firms	8	8	11	12	13	14	14
Number of factories	14	14	14	14	14	15	15

## Processing lines

	1984	1985	1987	1988	1989	1990	1991
White fish	11	11	12	7	7	5	5
Herring & Mackerel	1	1	1	0	1	1	1
Fish meal plants	2	2	2	2	2	1	1
Shellfish	2	2	2	2	2	3	3
Salmon	0	0	0	5	6	7	7

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 1989 and has an annual capacity of 20,000 tonnes (herring and mackerel). As a result output in the industry continued to rise and was estimated to be around £21 million in 1990/91.

The Shetland Seafood Quality Company continues to ensure the high standard of the industry's products.

\* McNicoll, I. H., Survey of the Shetland Economy, 1982-83.

## North Atlantic Fisheries College

The North Atlantic Fisheries College is a £6 million industry-led establishment which was completed in May 1992. The college will provide training to all areas of the fishing industry including courses in aquaculture, fish processing, fish catching, nautical studies and marine engineering, and at all levels from SCOTVEC to postgraduate projects.

The Development Department, on behalf of Shetland Islands Council, has managed the project through the design and construction stages to completion. The operation of the College is the responsibility of the Shetland Fisheries Training Centre Trust.

## Salmon Industry

The salmon farming industry in Shetland has grown rapidly over the past five years and the total value of farmed fish in 1990 exceeded the value of the traditional fish catching industry. While most of the salmon produced is exported fresh, an increased amount is processed within the islands. In 1991 the industry had created 325 employed and 61 self-employed jobs.

### Salmon Farms

	1984	1985	1986	1988	1989	1990	1991
Farms Established	5	14	13	10	6	1	0
Farms Producing	4	13	27	43	49	58	59
<b>Total</b>	<b>9</b>	<b>27</b>	<b>40</b>	<b>53</b>	<b>55</b>	<b>59</b>	<b>59</b>

### Production

	1984	1985	1986	1988	1989	1990	1991
Smolts Introduced (x000)	294	575	935	3,195	3,716	4,143	4,005
Production (tonnes)	50	700	1,500	4,575	6,731	6,461	10,614
Average Tonnes per Farm	13	54	56	106	137	111	180

### Value

	1984	1985	1986	1988	1989	1990	1991
Production value (m)	.22	3	6	18	28	22	33
Average per Tonne	4,400	3,857	3,787	4,000	3,526	3,405	3,146

## Oil

### Exploration and Development

- 1970** The exploration phase for oil and gas offshore Shetland began when the Government allocated the first Licence Blocks.
- 1971** Exploration activity began with supply and helicopter services established in Shetland to support offshore activities.
- 1975** The development phase. The laying of the Brent and Ninian pipeline systems, and the floatout of the Beryl and Brent field production platforms. Construction work began on the Sullom Voe Oil Terminal.
- 1976** The main Brent and Ninian pipelines to the Sullom Voe terminal were completed.
- 1978** The first oil was piped to Sullom Voe through the Brent pipeline from the Dunlin oilfield on 25th November. The first oil was shipped out from the terminal by the Shell tanker 'Donovania' five days later and on 31st December the first oil arrived through the Ninian pipeline from the Heather oilfield. On the same day the fuel bunkers of the tanker 'Esso Bernicia' were ruptured when she hit a mooring bollard. Resulting oil spillage caused widespread pollution around Yell Sound shores.
- 1982** In April the first fractionation of gas took place at the terminal and a month later the first gas was shipped out. In December the final construction and commissioning work at the terminal was completed and Sullom Voe received its one billionth (1,000 million) barrel of oil.
- 1983** The 21st British North Sea oilfield, North West Hutton, was brought on stream in April, adding 38,000 barrels per day to the Brent pipeline system. In July work on spur boom in Sullom Voe was completed giving protection against marine pollution unequalled in Europe. In August the terminal received the first oil from the Magnus field, the most northerly production platform in British waters. The largest cargo, of 307,924 tonnes of oil was lifted by the tanker 'Lepton'.
- 1984** The Beryl B and Deveron oilfields came on stream. On 16th October the terminal received a record total of 1,482,065 barrels of crude oil in 24 hours. In November the 100th gas tanker and the 3,000th oil or gas tanker arrived at the port.
- 1985** On 7th January a new 24-hour throughput record of 1,503,417 barrels was established and a record 5,184 tonnes (61,085 barrels) of Liquefied Petroleum Gas was processed. The Ninian pipeline system established a new daily production record of 471,579 barrels on the same day. Three days later a new daily production record of 1,037,489 barrels was established by the Brent pipeline system. On 9th May the two billionth barrel of stabilised crude oil was produced at the terminal. The development plan for the terminal was completed in October with the opening of a new administration building.
- 1986** The 100 millionth barrel of crude from the North Cormorant platform was received at Sullom Voe in February. The terminal's new nitrogen plant was fully commissioned in April. In June the terminal established a world record export of gas. The tanker 'Gas Enterprise' took on 10,734 tonnes of propane and 29,293 tonnes of butane.
- 1987** In September LPG processing and shipment was suspended for major repairs to corrosion under insulation on process pipelines (CUI). On 30th October the three billionth barrel of stabilised crude oil was produced at the terminal. The North Alwyn field was brought on stream in November and is projected to reach 400,000 barrels per day in early 1988 through the Ninian line.
- 1988** On 11th April the 96,130 tonne 'Peggy' became the first tanker to clock up 100 visits to the terminal. Following resumption of LPG production the first cargo of LPG was loaded onto the gas tanker 'Hesiod' on 1st September. The Eider field, with recoverable reserves of 85 million barrels, was brought on stream in early November and on the 28th, formal agreement between the terminal's participants and the SIC regarding the leasing of the terminal site, was signed at Busta House.
- 1989** On 15th May the Tern field was inaugurated by Her Majesty Queen Elizabeth the Queen Mother. In June Tern came on stream producing 24,000 barrels a day (expected to peak at 50,000 bpd). In October Don, a subsea satellite system, tied back to Thistle 15 kms south, came on stream at a rate of 11,000 barrels a day. Estimated reserves of 56 million barrels.
- 1990** On 8th July the four billionth barrel of crude oil was produced at the terminal.
- 1991** In January, Osprey, a subsea oil production system, linked to the Dunlin platform 4½ miles away, came on stream. Peak production is estimated at 25,000 barrels a day with an estimated reserve of 60 million barrels.

## Oilfields in Production

Name of Field	Date Field on stream	Operator	Average production Jan-Dec 1988*
Beryl A	1976	Mobil	66.2
Brent	(B) 1976	Shell	305.4
Dunlin	(B) 1978	Shell	49.4
Heather	(N) 1978	Union	14.5
Ninian	(N) 1978	Chevron	131.7
Thistle	(B) 1978	Britoil	52.1
South Cormorant	(B) 1979	Shell	43.8
UK Statfjord	1979	Conoco	112.5
Murchison	(B) 1980	Conoco	49.5
North Cormorant	(B) 1982	Shell	78.9
North West Hutton	(B) 1983	Amoco	28.3
Magnus	(N) 1983	BP	141.4
Beryl B	1984	Mobil	33.1
Deveron	(B) 1984	Britoil	4.9
Hutton	(B) 1984	Conoco	62.9
North Alwyn	(N) 1987	Total	69.2
Eider	(B) 1988	Shell	2.8
Tern	(B) 1989	Shell	n/a
Don	(B) 1989	Shell	n/a
Osprey	(B) 1991	Shell/Esso	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*
Staffa	Lasmo North Sea	1992	8,000
Lyell	Conoco	1992	18,000
Strathspey	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 has a 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 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 under 1 million barrels per day. In August 1990 the crude oil was commingled and renamed Brent Blend. In January 1991 oil from Osprey, a subsea oil production system, arrived at the Terminal. May 1991 saw the 10th anniversary of the Royal Inauguration of Sullom Voe Terminal. In October 1991 the Terminal was presented, by the International Loss Control Institute, with a prestigious International Award for its Loss Control and Safety Management Programme.

## Brent Pipeline System: throughput of oil

	1979	1985	1989	1990	1991
Barrels	77,552,205	300,530,869	168,923,197	133,922,065	153,250,219
Tonnes	10,367,579	39,796,300	22,377,043	17,789,666	20,263,701

## Ninian Pipeline System: throughput of oil

	1979	1985	1989	1990	1991
Barrels	63,665,158	136,207,965	134,483,500	129,228,923	117,746,012
Tonnes	8,555,865	18,190,078	17,768,099	17,093,552	15,576,512

## Sullom Voe Terminal: total throughput of oil

	1979	1985	1989	1990	1991
Barrels	141,217,363	463,738,834	303,406,697	263,150,988	270,996,231
Tonnes	18,923,444	57,986,378	40,145,142	34,883,218	35,840,213

## Sullom Voe Terminal: average barrels per day

	1979	1985	1989	1990	1991
Brent System	212,472	823,372	462,803	366,910	419,864
Ninian System	174,425	373,173	368,448	354,052	322,592
Total	386,897	1,196,545	831,251	720,962	742,455

## Brent Pipeline System: throughput of gas (tons)

	1984	1985	1986	1989	1990	1991
Propane	492,419	188,713	476,742	112,555	110,567	89,961
Butane	317,195	368,347	375,641	70,060	65,315	57,906

## Ninian Pipeline System: throughput of gas (tons)

	1984	1985	1986	1989	1990	1991
Propane	349,007	388,602	346,478	312,986	268,474	260,536
Butane	278,638	281,990	254,621	233,555	195,168	190,258

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

	1984	1985	1986	1989	1990	1991
Propane	886,426	877,727	823,220	425,541	379,041	350,497
Butane	649,833	650,337	630,262	303,615	260,483	248,164

### Sullom Voe Harbour: total of tankers using port

	1979	1982	1984	1985	1986	1988	1989	1990	1991
Oil	270	536	672	672	654	580	479	412	423
Gas	0	55	124	114	112	70	50	48	45

### Permanent Terminal Workforce

	1982	% local	1983	% local	1984	% local	1985	% local
SIC Ports & Harbours	90	74	91	76	96	71	99	72
Shetland Towing	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
<b>Total Employees</b>	<b>1,048</b>	<b>49</b>	<b>1,240</b>	<b>54</b>	<b>1,218</b>	<b>58</b>	<b>1,080</b>	<b>63</b>

	1988	% local	1989	% local	1990	% local	1991	% local
SIC Ports & Harbours	91	70	98	70	95	70	94	71
Shetland Towing	94	94	94	100	92	100	94	100
BP	558	58	560	67	536	66	516	58
Sub-Contractors	589*	44	242	58	204	60	406	56
<b>Total Employees</b>	<b>1,332</b>	<b>55</b>	<b>994</b>	<b>68</b>	<b>927</b>	<b>68</b>	<b>1,110</b>	<b>62</b>

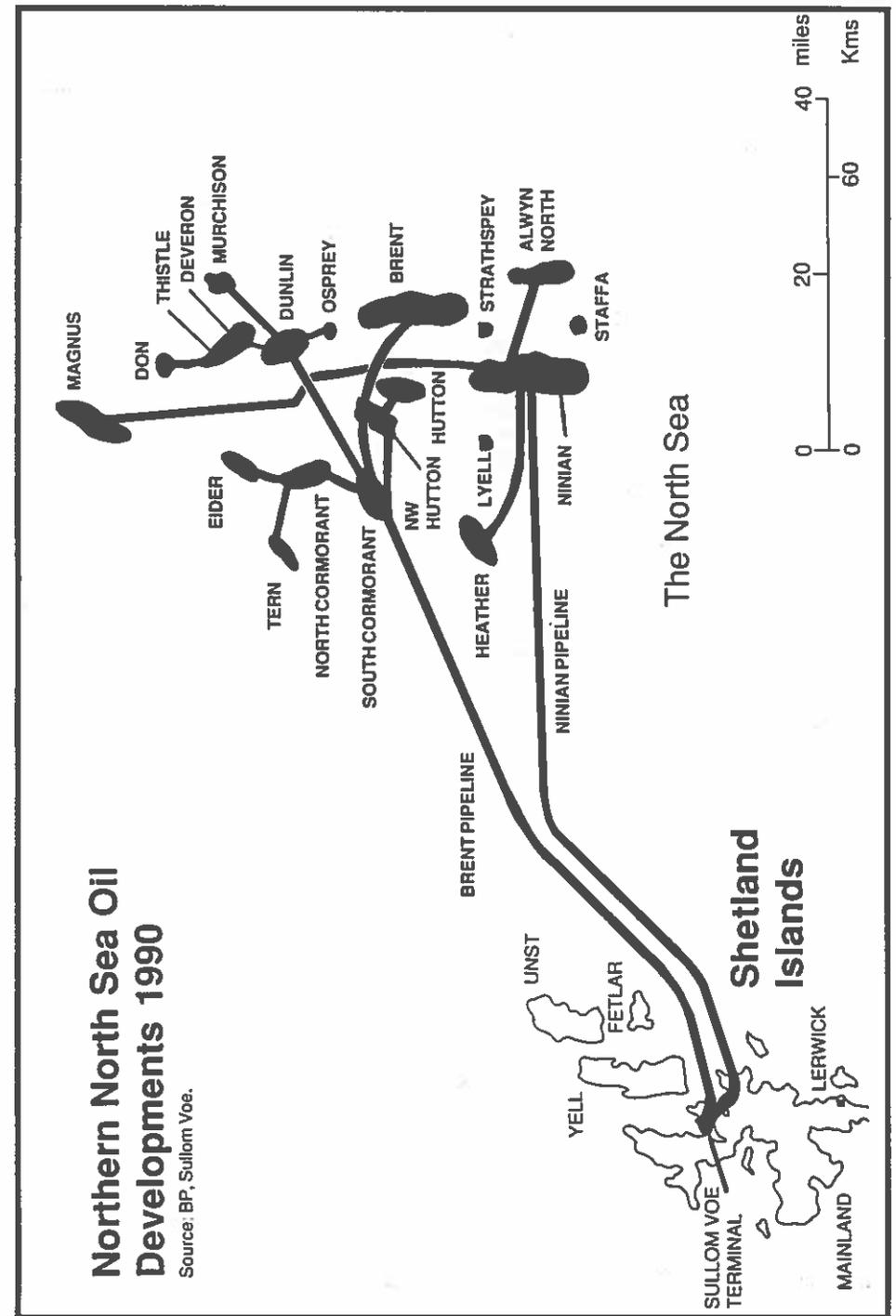
Source: Joint Employment Monitoring Group; BP; Shetland Towing; SIC Ports & Harbours Department.

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

### 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	1987		1988		1989		1990		1992
				March	Sept	March	Sept	March	Sept	March	Sept	
21	185	271	295	230	215	220	241	226	233	237	216	220

Source: Joint Employment Monitoring Group  
SIC Survey

## Output Values

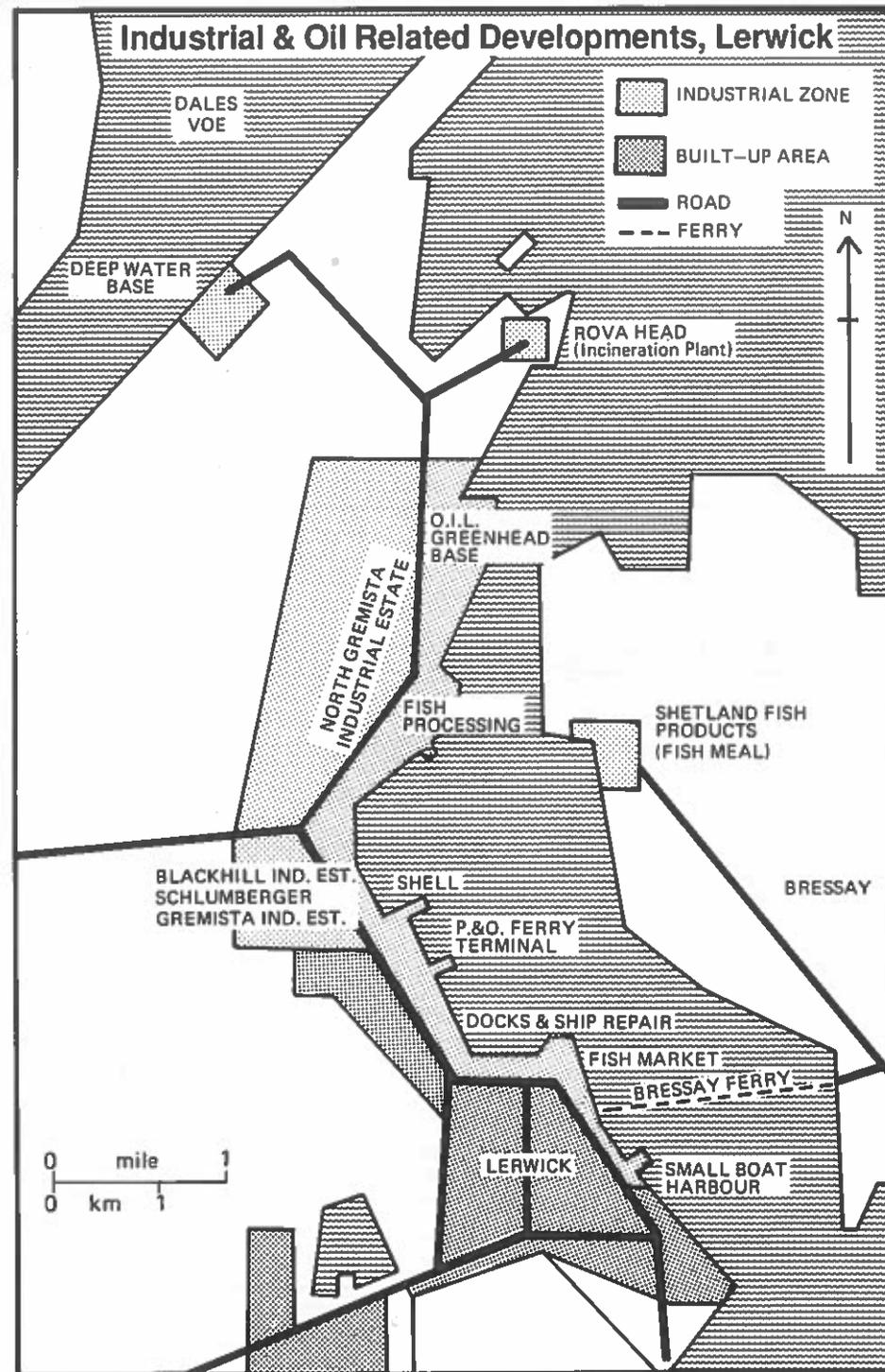
Total operating receipts of Shetland oil firms were around £155.5 million in 1982/83. This figure does not include the value of crude oil passing through Sullom Voe, nor the value of equipment and materials transhipped offshore. A high proportion of the revenue was spent on imports or remitted outwith the islands in the form of wages, profit, interest, etc. In 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
<b>Shetland</b>	<b>34,883</b>	<b>1.1</b>
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 Offshore Oil Production (Average 000 b/d)

Region/Country	1987	1988	1989	1990
North America	1,212.25	1,129.0	1,053.0	835.0
Latin America	3,396.43	3,267.86	3,297.06	3,392.14
(Europe)				
Denmark	121.3	142.2	110.14	127.3
Germany	0	10.7	11.65	11.1
Netherlands	19.2	18.59	45.39	47.29
Norway	864.94	907.02	1,516.5	1,680.8
UK (incl. Shetland)	2,314.7	2,094.67	1,792.77	1,788.85
Mediterranean	147.01	165.09	178.4	217.47
Middle East	3,410.88	3,139.64	3,066.52	3,246.98
Africa	1,086.66	1,384.53	1,315.92	1,324.94
Asia/Pacific	1,815.38	1,871.17	2,173.66	2,352.72
Eurasia	210.21	206.9	189.5	146.82
<b>Totals</b>	<b>14,598.96</b>	<b>14,337.37</b>	<b>14,750.51</b>	<b>15,171.41</b>

## Industrial Sites

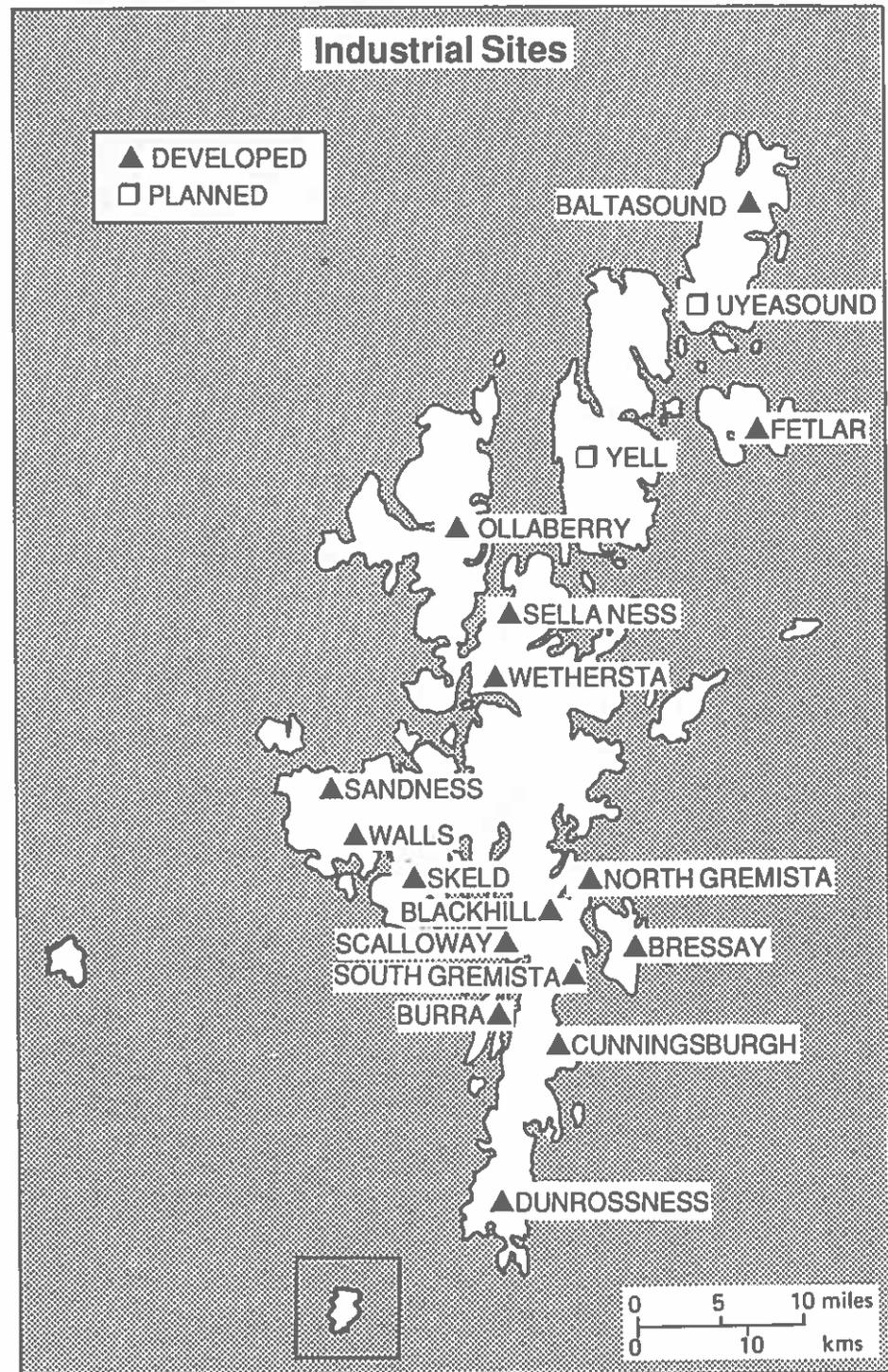
Sixteen serviced sites and estates have been developed, and two more are planned.

Industrial Site	Owner	Area in hectares (acres)
<b>Developed:</b>		
Baltasound	HIE	0.90 ( 2.24)
Black Hill, Lerwick	LHT/BP	1.86 ( 4.60)
Black Hill, Lerwick	HIE	2.02 ( 5.00)
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)
<b>Planned:</b>		
Uyeasound	SIC	0.34 ( 0.84)
Yell	SIC	0.52 ( 1.28)

SIC Shetland Islands Council  
LHT Lerwick Harbour Trust

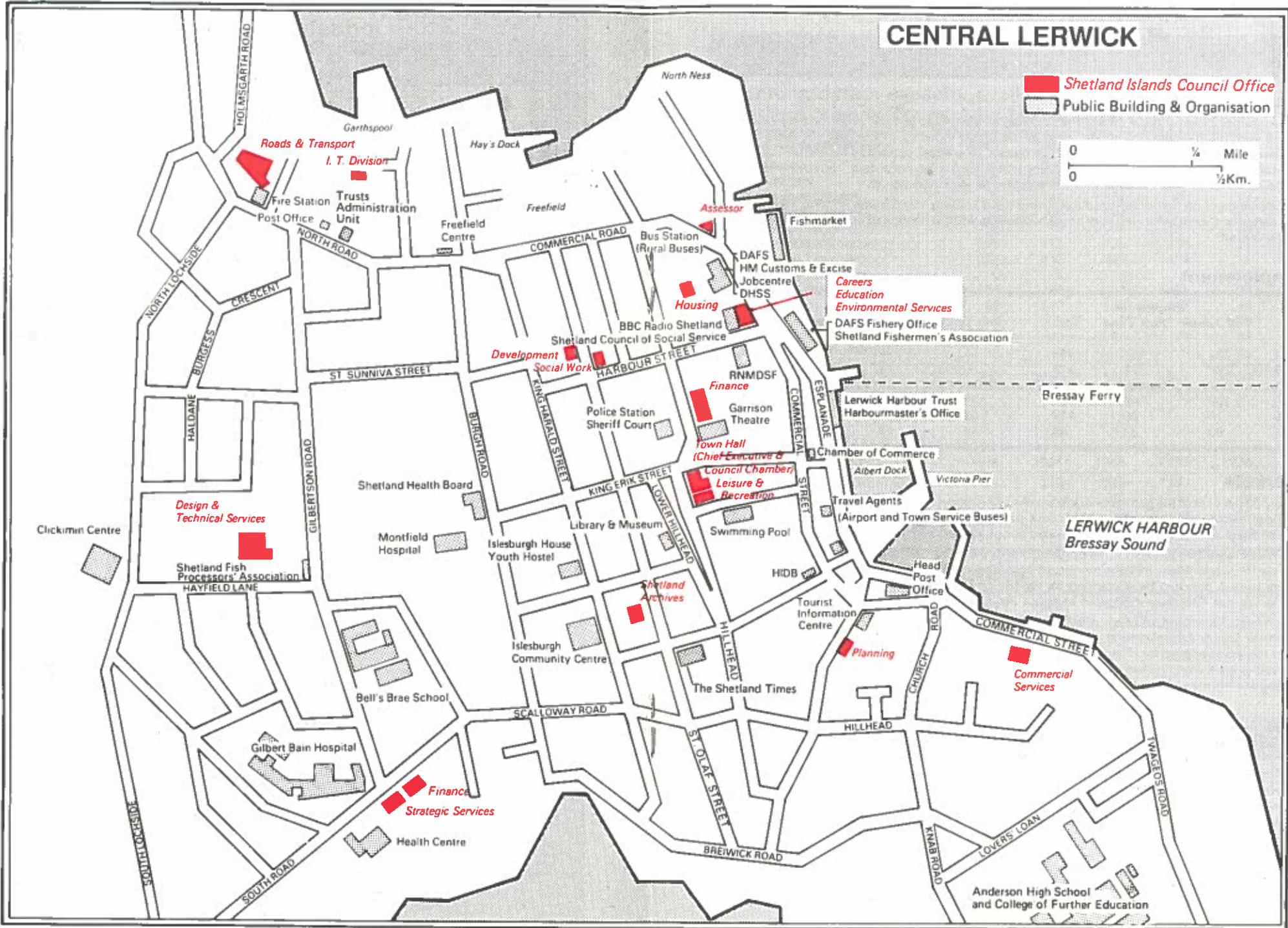
BP BP Petroleum Development Ltd.  
HIE Highlands and Islands Enterprise

## Industrial Sites



# CENTRAL LERWICK

 *Shetland Islands Council Office*  
 Public Building & Organisation



## Knitwear

### Size and Production

The knitwear industry grew during the first half of the 1980s but has unfortunately fallen back in line with the national downward trend in the textile industry. In the mid 80s there were 50 businesses generating around £5 million of output. The latest estimates for 1990/91 show that there are only around 30 businesses generating around £3.5 million of output. The decline is reflected in the reduced number employed in the industry as indicated below.

A wide range of garments are produced using hand knitting, hand frame knitting and machines. The majority of companies are very small businesses while a handful of companies produce most of the output.

### 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
1991	56	33	89	15	13	28	1,345

### 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 produced in the islands or could be accounted for by the production of wool from native sheep. Wool production for 1991 was estimated at about 300,000 kilos.

A number of Shetland knitwear manufacturers banded together in 1983 to form the Shetland Knitwear Trades Association in order to promote 'Real' Shetland knitwear. A new certification trade mark was applied for (The Shetland Lady) and this forms the cornerstone of the Association's marketing campaign. In view of current difficulties the industry is having to review its marketing strategy.

## Crafts

Shetland has a long tradition of producing high quality craft goods. The main products apart from knitwear include, tweed, 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	1981	1985	1987	1989	1990	1991
Hotels Lerwick	231	366	272	307	301	294
Hotels Country	342	346	334	314	312	301
Guest Houses Lerwick	0	41	32	28	17	31
Guest Houses Country	0	86	102	118	92	97
Bed & Breakfast Lerwick	103	75	68	100	96	93
Bed & Breakfast Country	203	119	136	238	273	208
Self Catering Lerwick +	271	342	305	474	19	23
Self Catering Country +	0	0	0	0	504	515
Caravans Country	104	30	41	51	33	17
Hostels Lerwick	81	140	146	147	48	48
Hostels Country	0	0	0	0	99	99
Camp Sites Lerwick +	0	89	89	70	28	28
Camp Sites Country +	0	0	0	0	42	42
<b>Total</b>	<b>1,335</b>	<b>1,634</b>	<b>1,525</b>	<b>1,847</b>	<b>1,864</b>	<b>1,796</b>

+ Category Sub-divided 1990

### Employment

	1978	1981	1983	1986	1988	1991
Hotel & Guest Houses	161	233	292	280	332	356
Bed & Breakfast Accommodation	—	—	40	40	40	81
Self Catering, Cottages, etc.	—	—	63	64	64	89
<b>Total</b>	<b>161</b>	<b>233</b>	<b>395</b>	<b>384</b>	<b>436</b>	<b>526</b>

### Tourist Enquiries and Bookings

	1981	1986	1988	1989	1990	1991
Postal Enquiries	1,696	5,201	5,971	4,827	7,599	6,845
Telephone Enquiries	—	966	1,845	1,559	2,087	2,115
Advance Bookings	101	220	336	333	311	252
Immediate Bookings	412	997	1,474	1,570	1,312	1,435

### Membership of Shetland Tourist Organisation

	1981	1983	1985	1987	1989	1990	1991
Hotels	16	18	19	18	16	16	16
Guest House B & B	64	46	68	63	93	95	87
Self Catering	36	27	46	54	67	67	72
Hostels	4	2	4	5	5	5	5
Business & Trade	120	101	106	96	150	138	153
Camp Site	—	—	4	3	4	4	4
Caravans	—	—	—	—	—	—	3
<b>Total</b>	<b>240</b>	<b>194</b>	<b>247</b>	<b>239</b>	<b>335</b>	<b>325</b>	<b>340</b>

Source: Shetland Islands Tourism

### Origin of Visitors (percentage)

	%	Overseas Visitors	%
Scotland	31	Norway	16
Rest of Britain	39	Germany	14
Overseas	28	Sweden	14
		North America	9
		Faroe Islands	8
		France	6
		Holland	4
		Italy	4
		Australia/New Zealand	4

Source: Visitor Survey 1991

### Number of Visitors on Package Holidays (P&O Only)

Duration	1982	1983	1984	1986	1988	1989	1990	1991
Seven Days	276	881	1,846	2,017	1,175	1,630	1,411	2,184
Midweek	1,085	858	1,170	1,866	935	835	1,469	2,164

Source: P&O Ferries

### P&O Ferries Mini-Cruise Passengers

1983	1984	1985	1986	1988	1989	1990	1991
2,108	1,746	1,897	1,768	1,804	1,799	1,847	2,014

### Total Visitor Expenditure in Shetland (£ million)

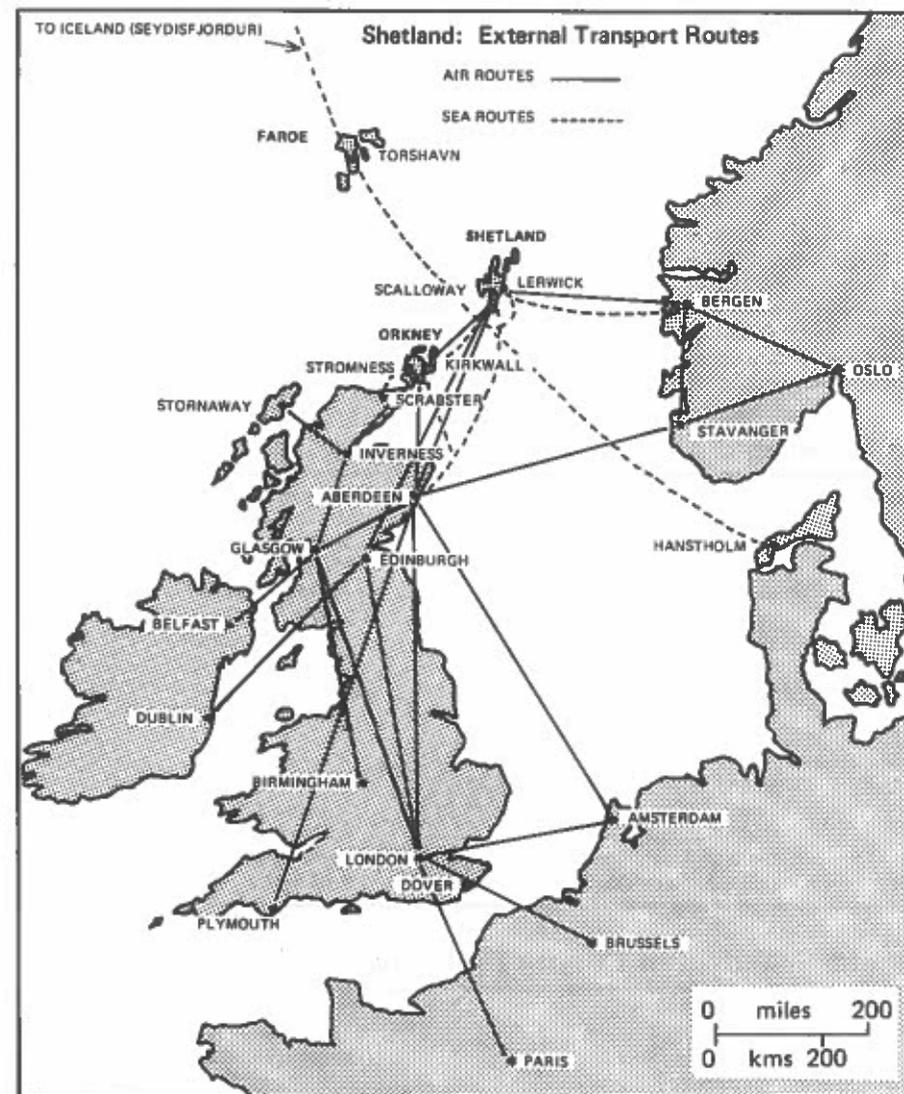
1983	1984	1985	1986	1987	1988	1990	1991
4.1	4.8	5.9	6.9	7.5	7.75	8.1	10.0

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	1990	1991
3,564	3,820	5,399	5,790	6,279	4,930	4,636	5,444	4,083	5,240



# Transport

## Internal Air and Sea Transport

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

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

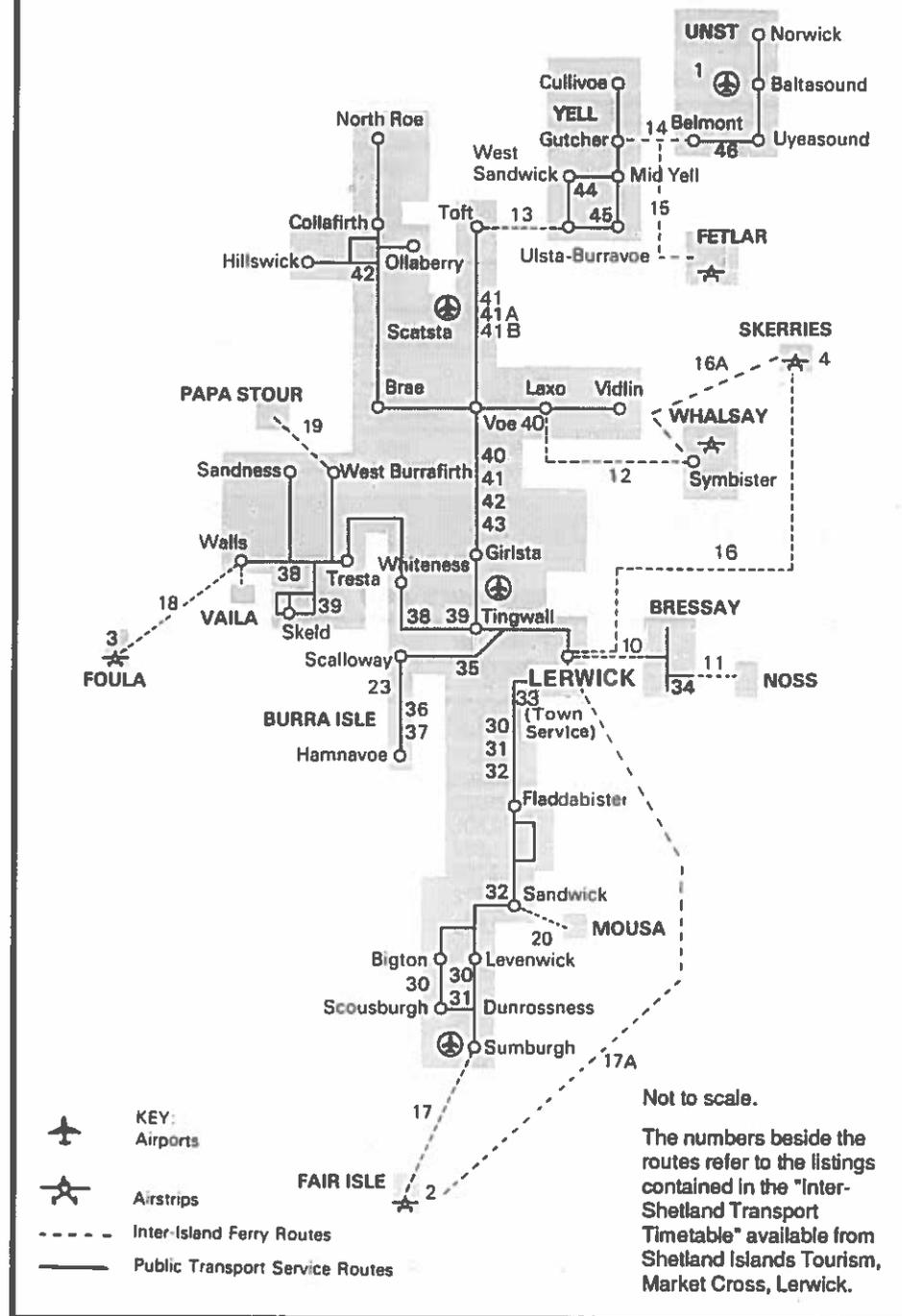
## Bus Services

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

## Present Schedule of County Highways

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

## Shetland: Internal Transport



## Inter Island Ferries

### Shetland Islands Council Ferry Traffic: Passengers

Ferry Route	1986	1987	1989	1990	1991
Yell	96,364	83,694	91,762	105,228	113,897
Unst/Fetlar	40,605	47,774	49,599	59,482	65,608
Bressay	96,849	94,389	129,565	146,073	135,447
Whalsay	45,888	51,642	59,593	64,118	67,385

### Vehicles

Ferry Route	1986	1987	1989	1990	1991
Yell	65,264	65,925	76,359	84,336	89,041
Unst/Fetlar	28,202	38,627	39,371	41,996	51,816
Bressay	31,958	33,462	46,275	47,520	50,272
Whalsay	31,660	34,011	38,662	44,838	48,911

## 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	78,372	11,786
1991		
January	2,516	473
February	1,441	297
March	3,571	574
April	6,293	808
May	8,504	939
June	10,081	1,134
July	14,065	2,090
August	13,756	1,915
September	8,136	970
October	6,190	1,032
November	2,837	535
December	2,956	583
<b>Total</b>	<b>80,346</b>	<b>11,350</b>

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

## Smyril Line Service: Passengers and Vehicles\*

	1984	1985	1986	1987	1988	1989	1990	1991
Passengers	4,962	5,772	5,662	6,537	7,497	7,581	6,998	7,597
Vehicles	544	531	750	774	805	839	837	991

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

## Freight on P&O Ferries Services\*

	1984	1985	1986	1988	1989	1990	1991
Commercial Vehicles	16,624	18,814	14,368	10,773	12,609	12,009	10,899
Commercial Trailers	34,232	29,573	25,745	36,446	52,780	61,432	56,255
Unaccompanied Cars	4,575	4,687	4,512	6,044	6,548	5,713	5,383

\* Running metres

## Shipping in Lerwick Harbour

	1971	1981	1983	1985	1989	1990	1991
General	316	418	451	639	754	669	738
HM Ships	41	62	60	48	24	20	16
Oil	51	140	106	135	113	108	114
Oil Rig Tenders	79	1,556	1,300	1,277	911	1,025	888
Other Vessels	448	480	582	710	973	886	841
(Yachts +	n/a	112	181	242	421	348	342)
British Fishing**	1,440	677	722	1,302	1,905	2,075	1,606
Foreign Fishing	1,580	246	329	195	243	228	216
<b>Total</b>	<b>3,955</b>	<b>3,579</b>	<b>3,550</b>	<b>4,306</b>	<b>5,344</b>	<b>5,011</b>	<b>4,419</b>

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

## Foreign Fishing Vessels

	1971	1981	1983	1985	1989	1990	1991
Bulgaria	—	—	—	6	12	2	6
Chile	—	—	—	—	—	1	—
Denmark	374	117	115	65	49	71	66
Faroe	242	14	21	8	4	14	19
France	16	13	22	16	6	12	18
Germany (West) }+	3	1	—	8	10	17	22
Germany (East) }+	—	—	18	11	—	—	—
Greenland	—	—	—	—	4	—	—
Iceland	215	2	—	3	13	9	—
Ireland	—	—	—	—	39	25	20
Netherlands	12	—	8	8	13	7	7
Norway	551	96	143	66	62	41	50
Panama	—	—	—	—	3	1	—
Poland	1	2	—	—	—	—	—
Portugal	—	—	—	1	—	—	—
Sweden	100	1	1	—	7	4	7
USSR	60	—	1	3	21	24	1
<b>Total</b>	<b>1,554</b>	<b>246</b>	<b>329</b>	<b>195</b>	<b>243</b>	<b>228</b>	<b>216</b>

Source: Lerwick Harbour Trust + Unified 1990

## Total Tonnage Handled in Lerwick Harbour

(Weight of containers excluded)

	1971	1981	1985	1989	1990	1991
General Cargo Imports	45,760	200,077	235,041	239,435	243,973	226,715
General Cargo Exports	48,849	57,471	49,578	88,662	93,768	98,335
Oil Related Imports	342	288,999	300,314	253,812	225,905	238,684
Oil Related Exports	0	421,807	486,059	378,511	301,846	315,996
<b>Total</b>	<b>94,951</b>	<b>968,354</b>	<b>1,070,992</b>	<b>960,420</b>	<b>865,492</b>	<b>879,730</b>

## Lerwick Harbour Trust Revenue

1971	1981	1985	1989	1990	1991
£49,000	£2,100,000	£3,062,000	£3,481,783	£4,517,782	£4,576,082

## Shipping in Scalloway

	1985	1986	1989	1990	1991
British fishing **	201	163	302	134	207
Foreign fishing	26	17	22	22	28
Frozen fish cargo vessels	22	20	3	0	1
Oil-related/stand-by	20	5	7	1	1
H.M. ships/Customs	0	0	1	2	0
General cargo	57	80	82	70	58
Other vessels	2	0	2	35	43
Passenger ships/ferries	35	11	6	0	0
Fishery research	3	0	2	12	1
Yachts	14	9	31	29	33
Sail training ships	1	0	0	0	0
<b>Total</b>	<b>381</b>	<b>305</b>	<b>458</b>	<b>305</b>	<b>372</b>

\*\* Excludes local fishing fleet

## Total Tonnage Handled in Scalloway Harbour: Imports

(Weight of containers excluded)

	1984	1985	1986	1989	1990	1991
Fish	92	449	267	90	130	99
Salmon Feed	218	552	907	684	662	414
Miscellaneous Cargo	430	1,109	1,384	919	913	1,240
Bulk Tar	2,129	1,046	2,479	3,576	2,727	4,598
<b>Total</b>	<b>2,869</b>	<b>3,156</b>	<b>5,037</b>	<b>5,269</b>	<b>4,432</b>	<b>6,351</b>

## Total Tonnage Handled in Scalloway Harbour: Exports

(Weight of containers excluded)

	1984	1985	1986	1989	1990	1991
Frozen Fish	1,840	2,903	2,663	400	829	591
Offal	3,441	6,037	7,563	152	0	0
Salmon	23	40	221	1	1	5
Sandeel/minkfood	4,170	5,084	5,492	0	0	0
Miscellaneous Cargo	94	262	181	105	57	297
<b>Total</b>	<b>9,568</b>	<b>14,326</b>	<b>16,120</b>	<b>658</b>	<b>887</b>	<b>893</b>

## 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

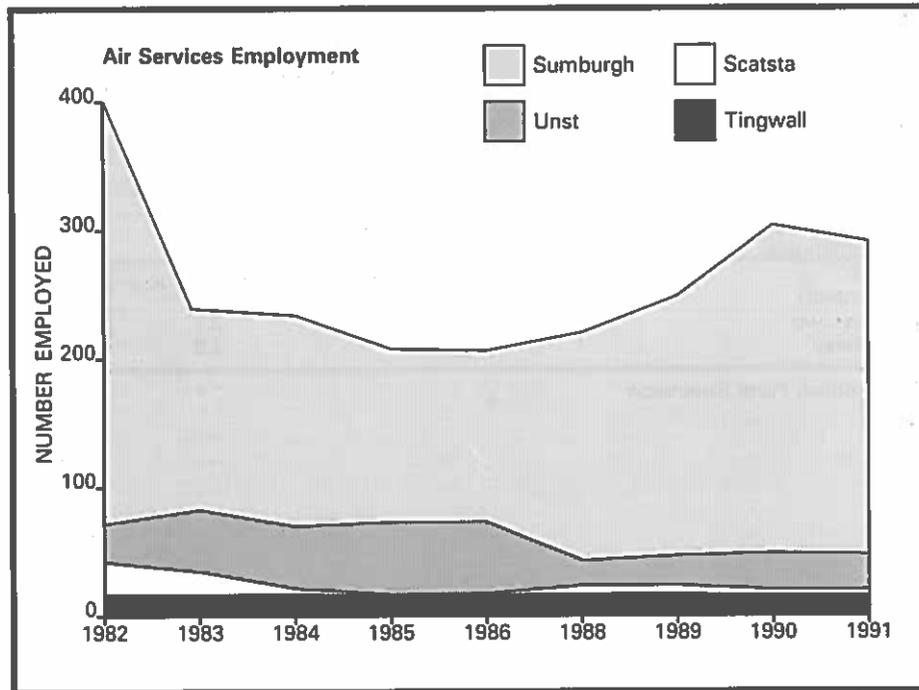
## Air Services

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

	1984	1985	1986	1988	1989	1990	1991
Aircraft Movements	31,666	29,664	29,457	36,588	37,988	41,993	39,863
Passengers	384,465	369,434	367,053	475,608	524,402	580,078	588,625

### Employment

	1982	1983	1984	1985	1986	1988	1989	1990	1991
Sumburgh	501	238	232	209	206	217	248	304	296
Tingwall	10	10	10	10	10	10	8	8	8
Scatsta	41	28	12	9	10	13	13	11	11
Unst	69	72	61	66	66	41	38	44	42
<b>Total</b>	<b>621</b>	<b>348</b>	<b>315</b>	<b>294</b>	<b>292</b>	<b>281</b>	<b>307</b>	<b>367</b>	<b>357</b>



## Sumburgh Airport Traffic: Passengers & Freight

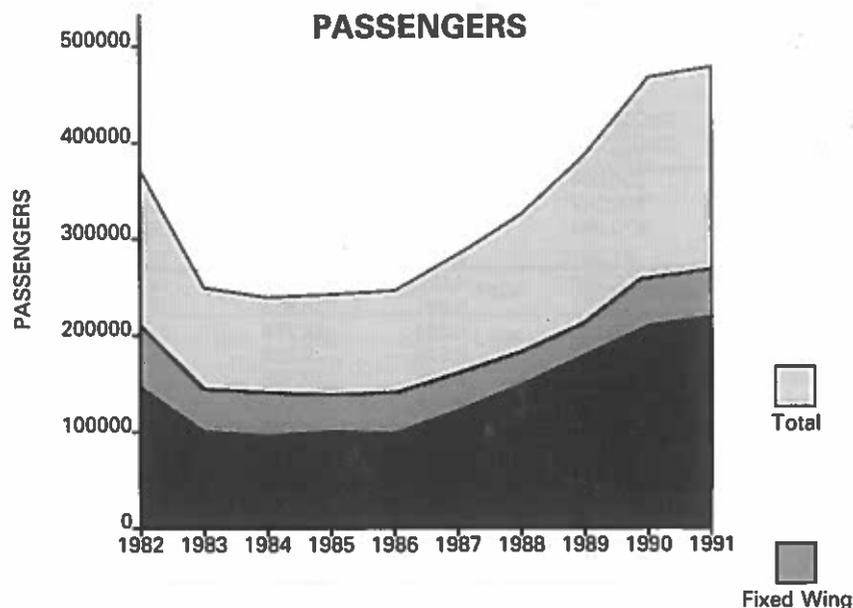
	Total Passengers	Fixed Wing Scheduled Passengers	Charter Passengers & Others	Helicopter Passengers	Freight (kgs)
1982	367,307	70,543	141,871	154,893	2,176,402
1983	247,678	61,326	84,162	102,190	1,481,389
1984	235,693	58,550	80,052	97,091	1,709,011
1985	239,159	60,724	75,401	103,034	1,599,378
1986	239,744	63,200	77,805	98,739	1,409,284
1987	288,793	63,959	102,205	122,629	1,441,408
1988	336,894	68,682	121,656	146,556	1,492,527
1989	405,347	73,966	150,667	180,714	1,524,111
1990	470,894	81,676	179,648	209,570	1,586,795
1991 January	41,841	5,129	16,740	19,972	129,784
February	38,761	4,891	15,722	18,148	120,216
March	41,681	5,991	16,959	18,731	111,122
April	47,171	6,284	18,768	22,119	126,389
May	47,294	6,579	19,293	21,422	130,985
June	42,216	7,419	16,345	18,452	125,335
July	39,123	7,014	14,899	17,210	106,763
August	37,833	7,589	14,305	15,939	108,035
September	32,125	6,628	11,757	13,740	116,090
October	35,979	7,007	13,056	15,916	125,192
November	34,653	6,596	11,889	16,168	124,093
December	34,949	5,714	12,644	16,591	124,765
<b>1991 Total</b>	<b>473,626</b>	<b>76,841</b>	<b>182,377</b>	<b>214,408</b>	<b>1,448,769</b>

## Sumburgh Airport: Aircraft Movements

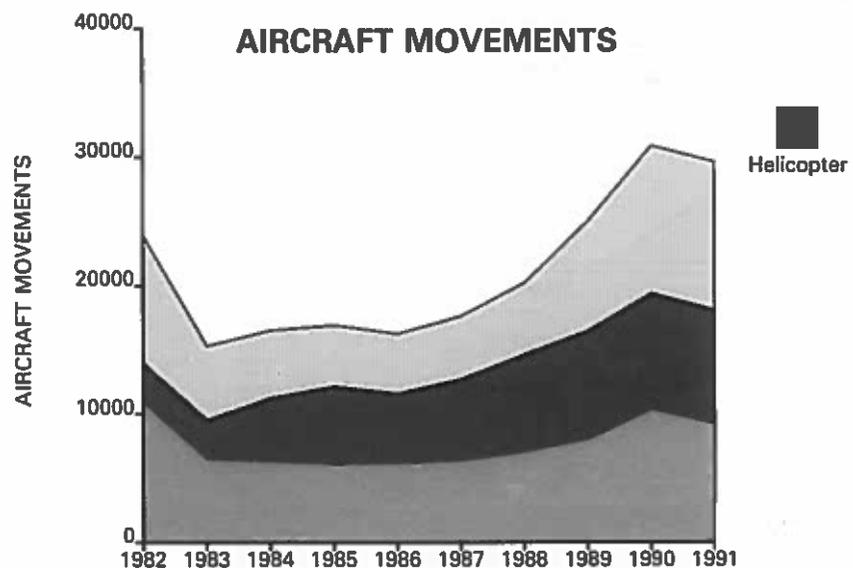
	Total	Fixed Wing	Helicopter
1982	23,412	10,070	13,342
1983	15,255	5,948	9,277
1984	16,805	5,806	10,989
1985	17,004	5,480	11,524
1986	15,968	5,621	10,347
1987	17,518	5,722	11,796
1988	20,679	6,635	14,044
1989	25,659	8,299	17,360
1990	30,898	11,150	19,748
1991 January	2,571	836	1,735
February	2,268	739	1,529
March	2,405	752	1,653
April	2,656	794	1,862
May	3,020	1,219	1,801
June	2,607	1,034	1,573
July	2,787	1,260	1,527
August	2,301	943	1,358
September	2,038	780	1,258
October	2,179	706	1,473
November	2,125	606	1,519
December	2,211	652	1,559
<b>1991 Total</b>	<b>29,168</b>	<b>10,321</b>	<b>18,847</b>

### Sumburgh Airport

#### PASSENGERS



#### AIRCRAFT MOVEMENTS



### Scatsta Airport Traffic

	1984	1985	1986	1987	1989	1990	1991
Passengers	14,313	14,938	13,157	13,216	17,151	12,892	14,495
Aircraft Movements	2,593	2,548	2,232	1,982	1,589	590	630

### Tingwall Airport Traffic

	1984	1985	1986	1987	1989	1990	1991
Passengers	14,925	14,364	13,368	13,093	15,224	12,748	15,453
Aircraft Movements	3,322	3,344	3,333	3,337	3,198	3,189	2,917

### Unst Airport Traffic: Passengers

	1984	1985	1986	1987	1989	1990	1991
Fixed Wing	54,110	50,104	44,856	44,387	38,717	38,565	41,442
Helicopter	61,799	50,869	52,282	57,981	47,963	44,979	43,609
<b>Total</b>	<b>115,909</b>	<b>100,973</b>	<b>97,138</b>	<b>102,368</b>	<b>86,680</b>	<b>83,544</b>	<b>85,051</b>

### Aircraft Movements

	1984	1985	1986	1987	1989	1990	1991
Fixed Wing	2,338	2,158	2,052	2,566	1,674	1,592	1,674
Helicopter	5,426	4,610	6,540	7,963	5,868	5,724	5,474
<b>Total</b>	<b>7,764</b>	<b>6,768</b>	<b>8,592</b>	<b>10,529</b>	<b>7,542</b>	<b>7,316</b>	<b>7,148</b>

### Small Airfield Traffic: Passengers

Airfield	1984	1985	1986	1987	1989	1990	1991
Fair Isle	1,704	1,596	1,822	1,654	2,127	2,674	2,048
Fetlar	50	52	60	58	n/a	n/a	n/a
Foula	1,228	1,276	1,100	1,158	1,600	n/a	n/a
Skerries	603	554	624	706	734	927	900
Whalsay	90	100	100	140	400	320	360

### Aircraft Movements

Airfield	1984	1985	1986	1987	1989	1990	1991
Fair Isle	478	426	480	458	596	710	610
Fetlar	44	38	40	40	n/a	n/a	n/a
Foula	364	344	304	320	496	522	466
Skerries	364	154	302	294	376	432	400
Whalsay	76	72	70	98	200	200	200

Source: Various local personnel. Some figures are estimates.

## Nature Conservation

On 1st April, 1992, a new body, Scottish Natural Heritage, took over the roles of the Nature Conservancy Council for Scotland and the Countryside Commission for Scotland. Scottish Natural Heritage are responsible for the conservation of the natural environment and the landscape and are also concerned with recreational aspects of land use and access to the countryside.

### 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.

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

6 Freshwater	390.1 ha.	1 General Island Interest	209.8 ha.
8 Seabird Colonies	3,858.7 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	3,021.4 ha.
1 Upland	4,906.7 ha.	2 Tidal Flats/Saltmarsh	37.2 ha.
2 Beach/Sand Dune	201.3 ha.	28 Geological	711.0 ha.
3 Moorland Breeding Bird	1,546.1 ha.	5 Geomorphological	347.0 ha.
1 Maritime Heath	34.2 ha.		

Total area covered by statutory conservation sites is 15,781 hectares which represents 10.7 per cent of the total area of Shetland.

#### Approximate coverage of each island or island group as at March 1992:

Papa Stour — 3 sites	64%
Foula — 2 sites	100%
Fair Isle — 1 site	72%
Fetlar — 6 sites	72%
Bressay (Noss) — 1 site	11%
Unst — 14 sites	21%
Mainland and associated uninhabited islands — 39 sites	8%
Yell — 5 sites	1%

Scottish Natural Heritage 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 special 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)	50-70%	Gannet (Solan)	16%*
Red-necked Phalarope	90%	Grey Seal	4%
Arctic Skua (Aalin)	61%	Common Seal	28%
Arctic Tern (Tirrick)	40%	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

SNH also has responsibility for seven National Scenic Areas.

## Social Provision & Services

### Cost of Living

Indices	June 1984	June 1986	June 1988	June 1989	June 1990	June 1991
Shetland: Lerwick	109.4	107.9	107.5	107.3	107.0	103.8
Remote	118.5	114.5	114.0	113.4	114.3	111.6
Village A	115.4	113.4	111.5	111.0	110.1	108.1
Village B	117.1	116.2	115.8	116.1	114.1	110.0
Village C	116.9	114.5	114.5	114.8	112.9	110.1
Rural Average	109.0	107.3	106.6	106.3	106.1	102.1
Aberdeen	100.0	100.0	100.0	100.0	100.0	100.0
Edinburgh	102.3	100.8	100.5	99.7	101.1	104.5

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

For reasons of confidentiality single shop communities are not identified.

### Housing

Housing Stock (Occupied units: April each year)

	1981	1983	1987	1988	1989	1991	1992
Shetland Islands Council	2,655	2,610	2,648	2,621	2,566	2,566	2,580
Private and Others	5,507	5,840	6,018	6,299	n/a	n/a	n/a
Scottish Homes	156	154	145	136	131	112	108
Hjaltland Housing Assoc.	n/a	n/a	n/a	n/a	n/a	178	174

### Vehicle Ownership

Vehicles licensed in Shetland on 31st December

Type	1971	1981	1985	1989	1990	1991
Private Cars and Light Goods	3,600	7,048	7,584	8,510	8,775	8,933
Goods Vehicles (inc. Agricultural)	440	801	372	359	319	310
Buses & Coaches	138	164	183	162	129	121
Motor Cycles	350	545	391	347	325	287
Miscellaneous	652	831	964	970	954	967
<b>Total</b>	<b>5,180</b>	<b>9,389</b>	<b>9,494</b>	<b>10,348</b>	<b>10,502</b>	<b>10,618</b>

1971 figures: Local Taxation Office.

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

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

## Education

### No. of Teachers in Shetland

	1971	1981	1990	1991	1992
Primary Teachers .....	91	164	140	140	158
Secondary Teachers .....	88	142	178	189	193
Further Education Lecturers .....	2	9	18	18	19
<b>Total</b> .....	<b>181</b>	<b>315</b>	<b>336</b>	<b>347</b>	<b>370</b>

### Nursery Education

	1981	1989	1990	1991	1992
Bell's Brae .....	0	0	0	64	79
Brae .....	51	65	71	60	60
Dunrossness .....	0	0	0	33	25
Mossbank .....	0	0	0	23	24
Sandwick .....	0	0	0	38	31
Sound .....	60	60	60	60	60
<b>Total</b> .....	<b>111</b>	<b>125</b>	<b>131</b>	<b>278</b>	<b>279</b>

### Primary Education

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

	1971	1981	1990	1991	1992
Baltasound Junior High .....	103	106	79	85	68
Mid Yell Junior High .....	56	65	47	48	49
Brae Junior High .....	44	171	136	139	141
Symbister House Junior High .....	125	146	120	125	117
Aith Junior High .....	67	52	61	61	54
Scalloway Junior High .....	120	150	123	117	113
Sandwick Junior High .....	44	96	76	69	80
Haroldswick Primary .....	38	21	27	25	22
Uyeasound Primary .....	21	16	8	9	11
Cullivoe Primary .....	21	24	20	18	16
Burravoe Primary .....	38	36	30	32	34
Fetlar Primary .....	14	15	8	7	13
North Roe Primary .....	17	23	19	20	20
Ollaberry Primary .....	18	16	34	36	34
Urafirth Primary .....	26	37	33	29	20
Mossbank Primary .....	16	136	77	70	73
Olnafirth Primary .....	19	46	40	31	35
Lunnasting Primary .....	20	38	22	21	25
South Nesting Primary .....	16	26	18	11	14
Skerries Primary .....	16	11	8	9	8
Sandness Primary .....	6	15	14	13	13
Foula Primary .....	4	7	6	4	3
Papa Stour Primary .....	0	5	2	4	2
Happyhansel Primary .....	43	48	58	57	54

Table Contd.

### Primary Education (continued)

	1971	1981	1990	1991	1992
Gruting Primary .....	12	9	0	0	0
Skeld Primary .....	13	36	11	14	11
Whiteness Primary .....	31	87	78	85	96
Burra Primary .....	16	0	0	0	0
Hamnavoe Primary .....	64	107	100	96	94
Gott Primary .....	41	52	54	50	43
Cunningsburgh Primary .....	56	57	51	50	60
Dunrossness Primary .....	123	209	152	146	156
Fair Isle Primary .....	3	11	10	8	7
Quarff Primary .....	17	23	23	15	14
Bressay Primary .....	24	20	29	28	24
Bell's Brae Primary .....	722	501	340	357	376
Sound Primary .....	0	292	358	354	360
<b>Total</b> .....	<b>2,014</b>	<b>2,710</b>	<b>2,272</b>	<b>2,243</b>	<b>2,260</b>

### Secondary Education

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

	1971	1981	1990	1991	1992
Anderson High .....	571	915	863	878	903
Baltasound Junior High .....	36	75	29	33	33
Mid Yell Junior High .....	43	48	44	44	38
Brae Junior High .....	47	164	211	211	204
Symbister House Junior High .....	36	62	41	45	50
Aith Junior High .....	35	61	65	61	77
Scalloway Junior High .....	72	132	187	179	160
Sandwick Junior High .....	55	121	140	144	145
Skerries School .....	2	5	3	2	5
<b>Total</b> .....	<b>897</b>	<b>1,583</b>	<b>1,583</b>	<b>1,597</b>	<b>1,615</b>

### Further Education

#### Students Enrolled on Further Education Courses

	1976-77	1984-85	1988-89	1990-91	1991-92
Full Time .....	0	25	99	73	77
Day Release .....	22	52	47	58	36
Short Full Time .....	34	57	35	0	0
Evening Class .....	815	973	1,228	1,269	1,336
YTS .....	0	0	69	111	101
<b>Total</b> .....	<b>871</b>	<b>1,107</b>	<b>1,478</b>	<b>1,511</b>	<b>1,550</b>

## School Leavers' Qualifications

	Total No. of leavers	% with 3 or more Ordinary/ Standard Grades (Grades 1-3)	% with 3 or more Highers (Bands A-C)	% with 5 or more Highers (Bands A-C)
<b>Highland</b>				
Alness Academy	154	54.5	18.2	7.1
Charleston Academy, Inverness	140	57.1	18.6	10.7
Culloden	202	60.9	27.7	14.9
Dingwall Academy	202	58.9	18.8	8.4
Fortrose Academy	89	78.7	51.7	27.0
Gairloch High	24	83.3	50.0	33.3
Golspie High	134	69.4	26.1	9.7
Grantown Grammar	50	62.0	22.0	14.0
Invergordon Academy	74	60.8	17.6	—
Inverness High	115	47.0	15.7	7.8
Kingussie	72	61.1	29.2	23.6
Lochaber High, Fort William	251	63.3	27.9	15.1
Maillaig	23	43.5	—	—
Milburn Academy, Inverness	213	74.6	30.5	15.0
Nairn Academy	131	61.1	26.7	13.7
Plockton	47	78.7	34.0	19.1
Portree High, Skye	134	59.0	29.9	16.4
Royal Academy, Inverness	189	66.7	28.0	13.2
Tain Royal Academy	138	69.6	28.3	16.7
Thurso High	190	62.6	28.9	11.1
Ullapool High	24	58.3	29.2	—
Wick High	189	45.0	13.2	6.9
<b>Orkney</b>				
Kirkwall Grammar	147	61.9	29.9	7.5
Stromness Academy	81	64.2	25.9	16.0
<b>Shetland</b>				
Lerwick Anderson High	218	83.9	42.7	25.7

## Social Work

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

	1984-85	1989-90	1990-91	1991-92
No. of Eventide Home Beds*	60	70	70	70
No. of beds in Hostel for Mentally Handicapped	6	14	16	16
No. of beds in Children's Home	10	10	10	11
No. of beds for Mentally/Physically Handicapped Children — Respite Care	0	0	0	6
No. of Sheltered Housing Schemes	36	36	37	37
No. of Sheltered Houses	257	272	288	291
No. of Laundries	4	6	6	6
No. of Meals on Wheels Schemes	25	25	25	27
No. of Luncheon Clubs	3	3	3	3
No. of Meals Delivered	45,107	56,400	54,800	57,400
No. of Home Helps	320	310	315	291
No. of Home Help Clients	584	522	576	498
No. of Homes Connected to Community Alarm System	0	576	482	511

\* 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	1988-89 £	1989-90 £	1990-91 £
Board Administration	564,341	735,599	891,053
Hospital Running Costs			
(a) Pay	3,066,099	3,295,973	3,612,771
(b) Supplies & Services	1,074,422	1,053,894	1,194,376
(c) Other Expenditure (Labs, etc.)	263,874	309,018	263,349
Total	4,404,395	4,658,885	5,070,496
Less direct credits	73,075	72,295	79,599
Total Running Costs	4,331,320	4,586,590	4,990,897
Community Services (School & Pre-school care, domiciliary services, health education, etc.)	1,297,667	1,419,206	1,240,130
Associated services - (travelling expenses, local health council)	43,250	43,946	48,949
Primary Care			
(a) Medical Services	986,035	1,082,656	1,267,104
(b) Pharmaceutical Services	943,938	1,018,562	1,006,494
(c) Dental Services	170,500	151,191	143,471
(d) Ophthalmic Services	101,886	54,708	63,401
Total Primary Care Costs	2,202,359	2,307,117	2,480,470
<b>Total Revenue Expenditure</b>	<b>8,438,937</b>	<b>9,092,458</b>	<b>9,651,499</b>

## Hospitals

Name	Type	Average % Occupancy of Beds					
		1985	1986	1987	1989	1990	1991
New Gilbert Bain	Acute & Maternity	64	64	67	61	60	58
Montfield	Long Stay	96	98	98	97	100	97

### Staff

	1985	1986	1987	1989	1990	1991
Number of General Practitioners	19	19	19	19	19	19
Number of Nursing Staff: Full Time	164	163	157	155	168	152
Part Time	90	109	88	108	101	105
Number of Doctors	5	5	5	5	5	5

### New Gilbert Bain Hospital

	1985	1986	1987	1989	1990	1991
Number of Casualties	2,785	2,793	5,517	6,804	7,142	7,668
Number of Out-Patients	24,281	24,221	21,163	23,492	25,397	25,130
Number of In-Patients	2,106	2,302	2,630	2,829	2,850	2,906

## Coastguard Services

HM Coastguard is run by the Department of Transport. Shetland Coastguard Maritime Rescue Sub Centre (MRSC) located at the Knab in Lerwick is manned 24-hours by a team of three Coastguard Officers assisted by an operations room auxiliary Coastguard. Auxiliary Coastguard Rescue Companies (CRCs) are located at various points around the Shetland coast. A Sikorsky S61N helicopter based at Sumburgh is under contract to HM Coastguard and available 24 hours a day.

### Incidents Co-ordinated by Shetland Coastguard

1984	1985	1986	1987	1988	1989	1990	1991
64	76	62	94	91	82	88	104

### Statistics for 1991

Persons assisted .....	312
Persons rescued .....	41
MEDEVACS .....	21
MEDICOS .....	25
Vessels taking water or sinking .....	10
Vessels requiring tow or escort .....	33
Cliff incidents .....	1
Miscellaneous incidents .....	15
Coastguard helicopter R117 scrambled by Shetland Coastguard ..	31
Coastguard Auxiliaries called out .....	22
Lerwick lifeboat launched on service .....	18
Aith Lifeboat launched on service .....	5

### Coastguard Manpower (Shetland District)

MRSC staff .....	15
Sector Officers .....	2
Auxiliary CRC teams .....	17

### Coastguard Helicopter (Sumburgh) Missions carried out

1983	1984	1985	1986	1987	1988	1989	1990	1991
1	40	39	37	61	64	59	84	58

### Mission Statistics for 1991

MEDEVACS .....	25
Vessels sinking .....	6
Vessels aground or adrift .....	7
Vessels afire or missing .....	3
Man overboard .....	1
Assistance to oil installations .....	12
Missing persons .....	3
Flares .....	4
Emergency transmissions .....	5

## Crime

The Shetland Sub-Division of the Northern Constabulary is run by the Northern Joint Police Committee, administered by the Highland Regional Council. The 1992/93 requisition from the Shetland Islands Council was £1,001,800.

### Number of Police Stations in Shetland 1991

Single Officer Police Stations: 3 (Baltasound, Mid Yell & Whalsay)  
 Two Officer Police Stations: 2 (Scalloway & Dunrossness)  
 Section Stations under Sergeant-in-Charge: 1 (Brae)  
 Shetland Sub-Divisional Headquarters: 1 (Lerwick)

### Police Manpower

1971	1976	1981	1984	1986	1987	1988	1989	1990	1991
21	28	45	36	36	35	34	35	35	36

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

	1983	1984	1985	1986	1987	1988	1989	1990	1991
Group 1	18	24	19	24	17	20	32	19	21
Group 2	1	9	15	2	4	10	20	22	3
Group 3	306	376	346	345	319	257	302	343	279
Group 4	171	147	177	133	173	190	249	196	199
Group 5	44	77	75	71	45	67	83	86	53
Group 6	311	403	323	286	342	371	371	410	322
Group 7	743	965	773	926	866	987	1,152	1,436	1,278
<b>Total</b>	<b>1,594</b>	<b>2,001</b>	<b>1,728</b>	<b>1,787</b>	<b>1,766</b>	<b>1,902</b>	<b>2,209</b>	<b>2,512</b>	<b>2,155</b>

Group 1: Non-sexual crimes against the person  
 Group 2: Crimes involving indecency  
 Group 3: Crimes involving dishonesty  
 Group 4: Fire-raising, malicious and reckless conduct  
 Group 5: Other crimes  
 Group 6: Miscellaneous  
 Group 7: Offences relating to motor vehicles

In 1991 the Northern Constabulary Shetland Sub-Division achieved a crime detection rate of 88.9% compared with 90.7% in 1990.

The detection rate in respect of crimes as detailed in groups 1-5 above was 57.6% in 1991.

## Fire Service

The Fire Service in Shetland is run by the Highlands and Islands Fire Board, administered by Highland Regional Council. The 1992/93 requisition from Shetland Islands Council was £797,500.

### Number of Fire Units in Shetland, 1991

Location	Establishment	Appliances
<b>Retained:</b>		
Lerwick	20 + 2 full-time officers	2 Water Tender Ladders 1 Light Fire Appliance
Brae	16	2 Water Tender Ladders
<b>Volunteer:</b>		
Mid Yell, Sumburgh, Sandwick, Walls, Mossbank, Scalloway, Baltasound, Whalsay and Hillswick	10 per unit	1 Light Fire Appliance for each unit
Bixter, Bressay, Fair Isle, Fetlar, Hamnavoe, Skerries, Foula and Papa Stour	10 per unit	1 Portable Pump, Hose and Ancillary Equipment
<b>Total Retained and Volunteers</b>	<b>208</b>	

### Number of fires attended

	1981	1985	1988	1989	1990	1991
Chimney fires	24	64	59	67	51	66
Special Services (pumping out boats, properties, etc., road traffic accidents)	17	7	30	33	39	40
Property and small fires	54	48	60	39	41	54
False alarms, good intent	6	23	35	36	32	42
False alarms, malicious	2	0	6	1	10	3
<b>Total</b>	<b>103</b>	<b>142</b>	<b>190</b>	<b>176</b>	<b>173</b>	<b>205</b>

## Postal Services

### Employees, Post Office

	1989		1990		1991	
	Royal Mail Delivery	PO Counter Ltd	Royal Mail Delivery	PO Counter Ltd	Royal Mail Delivery	PO Counter Ltd
Full Time Staff	52	8	45	8	41	7
Part Time Staff	17	—	21	—	26	1
Sub Postmasters	—	(FT) 36 (PT) 18	—	(FT) 30 (PT) 23	—	(FT) 29 (PT) 23
Ancillary Staff	7	—	9	—	8	—
<b>Total</b>	<b>76</b>	<b>62</b>	<b>75</b>	<b>61</b>	<b>75</b>	<b>60</b>

### No. of Letters Posted Weekly

1972	1977	1981	1986	1987	1989	1990	1991
49,866	52,602	69,400	56,000	69,271	65,582	64,095	67,317

### No. of Television Licences

1985	1986	1987	1988	1989	1990	1991
6,228	6,480	6,774	6,800	6,852	6,929	7,013

## Electricity

### Breakdown into Categories

	1971	1981	1985	1987	1988	1989
Domestic			9,941	9,975	10,130	10,278
Farms			55	67	79	87
Industrial			1	1	1	2
Construction			4	15	6	17
Other Commercial			880	899	898	898
Miscellaneous			12	47	50	76
<b>Total</b>	<b>7,169</b>	<b>10,211</b>	<b>10,893</b>	<b>11,004</b>	<b>11,164</b>	<b>11,358</b>

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

### Electricity Generation

	1971-72	1988-89	1989-90	1990-91	1991-1992
Units Generated (kilowatt hours)	32,319,000	155,748,310	177,551,775	162,753,519	170,023,850
Maximum demand (megawatts)	11.69	33.1	36.1	37.8	41.2

Source: Lerwick Generating Station

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

	1981	1987	1989	1990*	1991
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	825.2	833.4	843.0
11,000 Volt underground cables	65.5	93.6	96.1	97.8	99.3
Low Voltage overhead lines	345.6	336.1	330.1	326.5	324.5
Low Voltage underground cables	65.6	107.2	116.1	119.7	122.7

\* Figures from 1990 onwards are approximations only.

# Electoral Statistics

## General Election results in the Orkney and Shetland Parliamentary Constituency

JUNE 1987		APRIL 1992	
James Wallace (Lib/Alliance) . . . . .	8,881	James Wallace (Lib Dem) . . . . .	9,575
Richard Jenkins (Con) . . . . .	4,959	Paul McCormick (Con) . . . . .	4,542
John Aberdein (Lab) . . . . .	3,995	John Aberdein (Lab) . . . . .	4,093
John Goodlad (O & S Movements)* . . . . .	3,095	Frances McKie (SNP) . . . . .	2,301
Grierson Collister (Green) . . . . .	389	Christian Wharton (Natural Law) . . . . .	115
Majority . . . . .	3,922	Majority . . . . .	5,033
Electorate: 31,047		Electorate: 31,472	
(Shetland: 16,357; Orkney: 14,690)		(Shetland: 16,235; Orkney: 15,237)	
* Orkney & Shetland Movements			

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

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

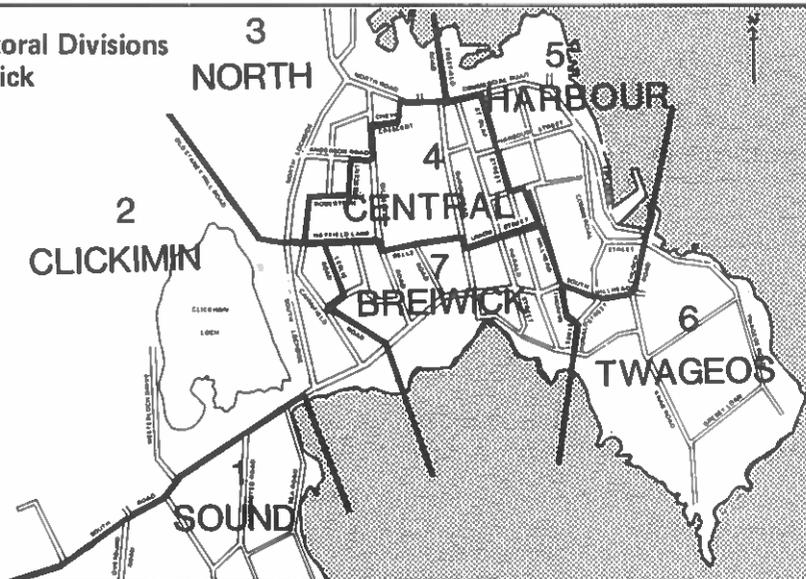
Yes . . . . .	9,162
No . . . . .	1,028
Majority . . . . .	8,134
Total Electorate (Shetland): 14,244	

### JUNE 1975

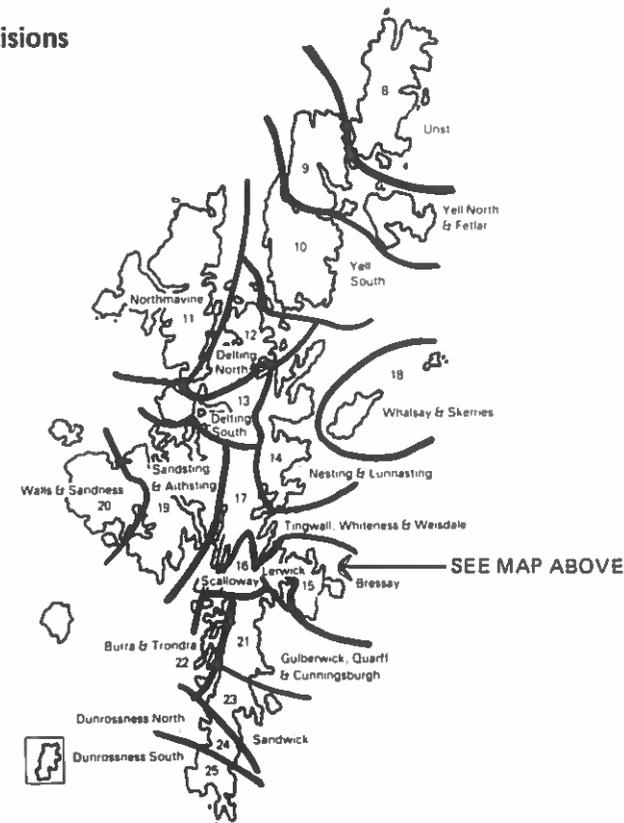
Referendum: Do you think the UK should stay in the European Economic Community (the Common Market)?

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

## 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 Andrewstown 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. Dalting North	Miss Andrea Manson, Greystones, Brae, ZE2 9QS. (Electorate 923. Returned unopposed)
13. Dalting South	Mrs Mary U. Colligan, Venndal, Voe. (Electorate 417. Elected Unopposed)
14. Nesting & Lunnasting	Mrs Greta M. McElvogue, North House, Sweening, Vidlin. (Electorate 382. Elected unopposed)
15. Bressay	James C. Irvine, 20 Twageos Road, Lerwick, ZE1 0BB. (Electorate 251. Returned unopposed)
16. Scalloway	William A. Anderson, The Sea Chest, East Voe, Scalloway, ZE1 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)

\* Following the sudden death of Councillor James Manson, William Manson was elected on 13th June, 1991.

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	Mrs 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 Department

## Departments

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

Department	Director	Address
Commercial Services	Deborah Lamb	Quendale House, 31 Commercial St, Lerwick, ZE1 0AN
Roads & Transport	Joe Gray	Grantfield, Lerwick, ZE1 0NT
Design & Technical Services	Alastair Inkster	Hayfield House, Hayfield Lane, Lerwick, ZE1 0QD
Education	Jim Halcrow	Brentham House, Harbour Street, Lerwick, ZE1 0LR
Environmental Services	Martin R. Hall	3 Commercial Road, Lerwick, ZE1 0LX
Finance	James Cornick (Acting)	Breiwick House, 15 South Road, Lerwick, ZE1 0RB
Housing	Marjorie Bain	Fort Road, Lerwick, ZE1 0LR
Leisure & Recreation	John P. Nicolson	Hillhead, Lerwick, ZE1 0EJ
Planning	James A. Anderson	3 Mounthooly Street, Lerwick
Marine Operations	George Sutherland	Port Administration Buildings, Sella Ness, Sullom Voe, ZE2 9QR
Development	Jack Burgess	93 St Olaf Street, Lerwick, ZE1 0ES
Social Work	Bill Bennett	92 St Olaf Street, Lerwick, ZE1 0ES

Telephone: All Departments Lerwick (0595) 3535 except Roads and Transport, Lerwick 2024, IT Section of Commercial Services, Lerwick 6797, and Marine Operations, Sullom Voe (0806) 242551.

## Shetland Islands Council Finance

### Revenue and Capital Expenditure

	1991/92		1992/93	
	(Net) Revenue Expenditure £000	Capital Expenditure £000	(Net) Revenue Expenditure £000	Capital Expenditure £000
Development	2,220	4,576	2,856	2,259
Leisure & Recreation	3,403	253	3,704	788
Education	22,470	1,822	22,423	5,939
General Services:				
Cleansing	910	204	922	44
Sewerage	—	914	—	4,066
Other	2,276	230	2,691	865
Housing Revenue	540	5,158	405	4,466
Other Housing	1,731	908	2,724	1,354
Ports & Harbours	—	3,669	—	89
Policy & Resources:				
Police & Fire	1,574	—	1,870	—
Capital Fund	11,375	—	-9,280	—
Housing Capital Fund	—	—	—	—
Sullom Voe Terminal	-10,327	—	-9,665	—
Unallocated Reserve:				
Fund Contributions	—	—	—	—
Repairs & Renewals Fund	9	—	15	—
Other	573	4,109	4,415	866
Roads & Transport:				
Roads	8,911	2,963	11,631	5,333
Ferries	4,938	1,988	5,037	1,616
Other Transport	1,125	1,401	1,242	4,601
Social Work	5,087	179	5,660	320
Water	—	1,239	—	1,426
Contingency Reserve	316	—	3,816	—
<b>Total</b>	<b>57,131</b>	<b>29,613</b>	<b>50,466</b>	<b>34,032</b>

### Source of Finance for Revenue Expenditure

	1991/92 £000	1992/93 £000
Community Charge Grant	1,999	—
Community Charge	13	2,177
Non-Domestic Rates	20,080	19,796
Revenue Support Grant	33,635	27,377
Interest on Revenue Balances	1,404	1,116
<b>Total</b>	<b>57,131</b>	<b>50,446</b>

## 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		6,234,214
1979-1980	50p	47p	11p	Not available	15,529,780
1980-1981	75p	72p	14p	prior to	25,311,238
1981-1982	79p	76p	10p	1985-86	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

	1990/91 £	1991/92 £	1992/93 £
Non-Domestic Rates*			
General	0.37	0.386	0.402
Water	0.053	0.104	0.106
Sewerage	0.101	0.076	0.086
<b>Total</b>	<b>0.524</b>	<b>0.566</b>	<b>0.594</b>
Total Non-Domestic R/V	52,286,640	48,947,000	49,245,000
Community Charge**			
General	71.46	0.78	129.21
Water	40.04	44.07	46.00
Sewerage	15.80	0.15	25.79
<b>Total</b>	<b>127.30</b>	<b>45.00§</b>	<b>201.00</b>

\* Rate per £. \*\* Charge per person. § Govt. Rebate £140.00.

### Shetland Exchequer Balance 1988

Government Expenditure	£000s	Government Revenue	£000s
Household Income	15,961	Taxes on Income	40,260
Local Government	11,056	Taxes on Expenditure	37,580
Health Service	7,918	Social Security contributions	20,490
Agricultural Subsidies	2,590	Taxes on Capital	2,430
Services	1,338		
Fixed Investment	1,300		
Industry	70		
<b>Total</b>	<b>40,233</b>	<b>Total</b>	<b>100,760</b>

Source: Shetland Industry Study, Fraser Allander Institute.

Estimates were derived for total Government receipts from Shetland for the year of the study (1988) e.g. income and Corporation taxes, and for total Government money received in Shetland e.g. through grants, benefit payments, etc.

Although the methodology used in this study is fairly crude the margin between expenditure and receipts is so wide that it is clear that Shetland made a positive net contribution to the Government exchequer of between £50-60 million.

In addition the oil flowing through Sullom Voe in the same year contributed nearly £700m to Government through the Petroleum Revenue Tax (PRT).

## Community Council Clerks

<b>Aithsting &amp; Sandsting</b>	Mrs Laurena Fraser, West Burrafirth, Bridge of Walls	71 203
<b>Bressay</b>	Mrs Kathleen Manson, Uphouse, Bressay	82 347
<b>Delting</b>	Mrs Wendy Marshall, 12 Sandside, Firth, Mossbank	9124 2158
<b>Burra &amp; Trondra</b>	Mrs Denise Black, 9 North Toogs, Bridge-End, Burra	85 469
<b>Dunrossness</b>	Ian Jamieson, Linksvie, Ringesta, Quendale	60477
<b>Fetlar</b>	Ms Jane Mack, Fetlar Community Office, Fetlar	095783 219 (Fax 095783 219)
<b>Gulberwick, Quarff &amp; Cunningsburgh</b>	Robert Jarmson, Meal, Cunningsburgh	93 259
<b>Lerwick</b>	Mrs E. Nicolson, Community Council Office, Stouts Court, Lerwick	Bus. 4286
<b>Nesting &amp; Lunnasting</b>	Mrs M. Stonehouse, Kirkabister, Vidlin	Home 917 283 Bus. 9122 370
<b>Northmavine</b>	Mrs E. Manson, Murrion, Eshaness	9123 255
<b>Sandness &amp; Walls</b>	Mrs Laurena Fraser, West Burrafirth, Bridge of Walls	71 203
<b>Sandwick</b>	Mrs Rosemary Inkster, Wainui, Hoswick, Sandwick	95 284
<b>Scalloway</b>	Mrs Cheryl Jones, 16 Port Arthur, Scalloway	88 516
<b>Unst</b>	Mrs Jean Ritch, Janefield, Baltasound, Unst	095 781 465
<b>Whalsay &amp; Skerries</b>	Henry A Stewart, 2 Gardentown, Symbister, Whalsay	916 337
<b>Whitness, Weisdale &amp; Tingwall</b>	Mrs B. Nicolson, Kaitrins, Hellister, Weisdale	72 330
<b>Yell</b>	D. R. A. Rushton, Stonganess, Cullivoe, Yell	095 784 234

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 Department

## 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	35.00
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 (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

Blair, J. N.	I Remember: Recollections of an Island Minister	4.99
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
Donaldson, G.	Court Book of Shetland 1615-1629	8.50
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.	The Giving Years: Shetland and Shetlanders at War 1939-45	13.50
Irvine, J. W.	Up-Helly-Aa, A Century of Festival	5.00
Osler, A. G.	The Shetland Boat	5.00
Peterson, J. P.	The History of Shetland Football 1887-1987	11.95
Manson, Thomas	Lerwick During the Last Half Century (1867-1917)	21.00
Nicolson, J. R.	Hay and Co., Merchants in Shetland	7.95
Nicolson, J. R.	Lerwick Harbour	7.50
Nicolson, J. R.	Traditional Life in Shetland	7.95
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
Sandison, C.	The Sixareen and Her Racing Descendants	3.90

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

### Natural Environment & Wildlife

Berry & Johnston	The Natural History of Shetland	6.50
Dymond, J.	The Birds of Fair Isle	11.95
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
Guy, P.	Walking the Coastline of Shetland, No. 3 (Fetlar)	3.00
Hodgson, A.	Shetland Ponies	16.95
Malcolm, D.	Shetland's Wild Flowers	6.95
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
Tulloch, B.	A Guide to Shetland's Breeding Birds	9.95

### Folklore, Language and Music

Anderson, T.	Ringing Strings	3.60
Anderson, T.	Gies an A'	6.00
Anderson, T. & Swing, P.	Hand Me Doon Da Fiddle (Reprint under consideration)	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
Jamieson, F. & R.	Leveneep Head	6.00
Jamieson, F. & R.	Vidlin Voe	7.50
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

Allen, John	Fabulous Fair Isle	16.00
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 Knitter's Notebook	6.95
Smith, M. & Twatt, M.	Shetland Pattern Book	3.60
Starmore, 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.	The Travels of Magnus Pole	2.50
Wills, J.	Willma Widdershins and the Muckle Tree	3.99

### Local Information

Jamieson, H.	Harry's Shetland Fishing Almanac 1992	2.70
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
Hjalmland 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. McNicoll of the Fraser Allander Institute. It consists of the following Reports for 1987/88:

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 the 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	$C = \frac{5(F - 32)}{9}$