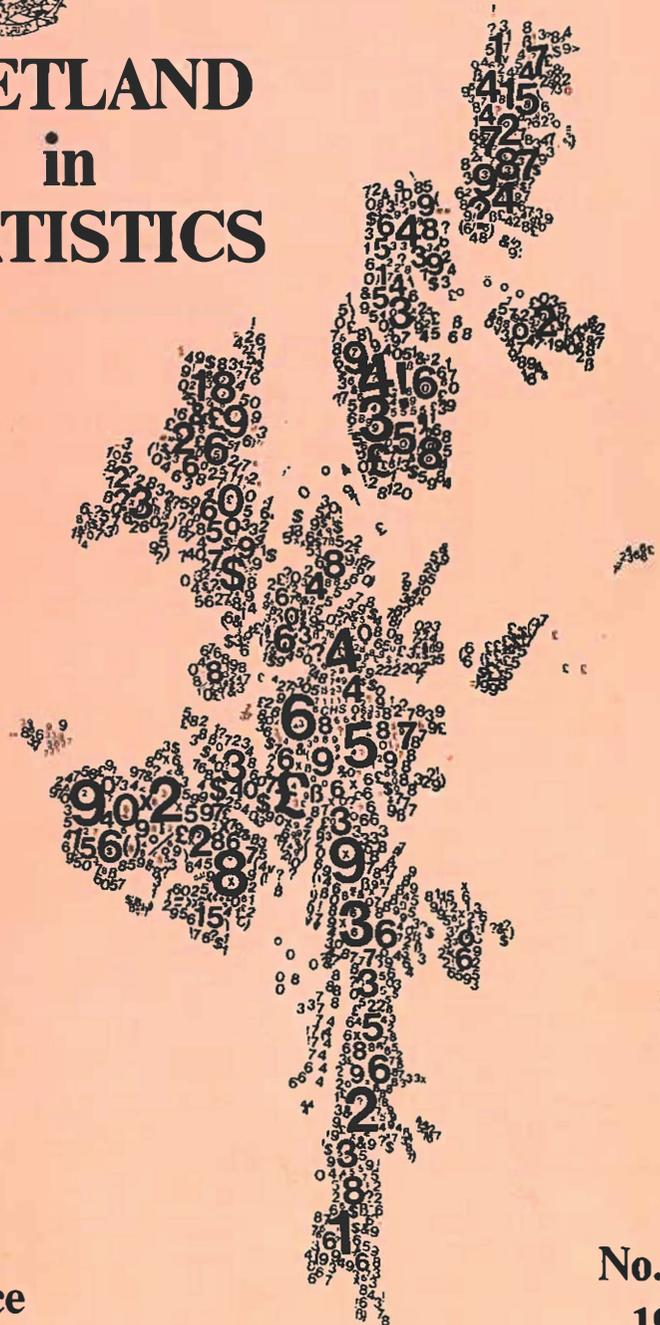


SHETLAND in STATISTICS



ISBN 0 904562 14 X

75 pence

No. 11
1982

Published by:
Research & Development Department, Shetland Islands Council,
 93 St. Olaf Street, Lerwick, Shetland.

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Printed by Shetland Litho, East Voe, Scalloway, Shetland.

Acknowledgements

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

Department of Agriculture & Fisheries, Lerwick; Airwork Services Ltd., Scatsta and Unst; Mr Laurence Anderson, Skerries; British Airways, Sumburgh; BP Petroleum Development Ltd., Lerwick; British Telecom Scotland; Civil Aviation Authority, Sumburgh; Fisheries Office, Lerwick; General Register Office for Scotland, Edinburgh; Mr John Holbourn, Foula; Mr Kenneth Hughson, Fetlar; Institute for Study of Sparsely Populated Areas, University of Aberdeen; Mr Harry Jamieson, Lerwick; Job Centre, Lerwick; Lerwick Harbour Trust; Loganair, Tingwall; Meteorological Officer, Lerwick; North of Scotland Hydro Electric Board, Lerwick; Chief Inspector, Northern Constabulary, Lerwick Sub-Division; Firemaster, Northern Fire Brigade, Inverness; Oil Service Base Companies; Orkney and Shetland Joint Valuation Committee, Lerwick; Head Postmaster, Lerwick; P&O Ferries, Aberdeen & Lerwick; RNLI, Aith & Lerwick; Shetland Health Board, Lerwick; Shetland Tourist Organisation, Lerwick; Mr Stewart Thomson, Fair Isle; Department of Transport, Swansea; Mr Andrew Williamson, Whalsay.

S.I.C. Departments of Administration, Construction, Design and Technical Services, Education, Finance, Ports and Harbours, Protective Services and Housing, Social Work.

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Physical Characteristics

Total area of Shetland: 552 sq. miles

Area of inhabited islands:

Mainland	351 sq. miles	Skerries (E&W)	1 sq. mile
Unst	47 sq. miles	Burra (E&W)	5 sq. miles
Yell	83 sq. miles	Trondra	1 sq. mile
Fetlar	15 sq. miles	Papa Stour	3 sq. miles
Whalsay	8 sq. miles	Foula	5 sq. miles
Bressay	11 sq. miles	Fair Isle	2 sq. miles
Muckle Roe	7 sq. miles	Vaila	1 sq. mile

Total length of coastline: approx. 3000 miles

Number of islands: 100+

Number of inhabited islands with bridge to Mainland: 4

Principal hills in Shetland:

Unst:	Saxa Vord	935ft. (285m)
Northmavine:	Ronas Hill	1477ft. (450m)
Delting:	Marrofield	850ft. (259m)
Weisdale:	Scallafield	922ft. (281m)
Cunningsburgh:	Rölfield	962ft. (293m)
Dunrossness:	Fitful Head	929ft. (283m)
Foula:	The Sneug	1372ft. (418m)
	The Kame	1220ft. (372m)

Distance by road in miles from Lerwick to:

Aith	21	Hillswick	35	Reawick	24	YELL:	
Bigton	18½	Isbister	39	Sandness	29	Burravoe	33½
Bixter	17	Laxfirth	6½	Sandwick	15	Cullivoe	49
Boddam	21½	Laxo Ferry	22	Scalloway	8	Gutcher	47
Brae	22	Levenwick	18	Stromfirth	12	Mid Yell	39
Bridge of Walls	23	Lunna	27	Sullom Voe	29	Ulstá	29
Calback Ness	31	Mavis Grind	24	Sumburgh	24½		
Cunningsburgh	11	Mossbank	28½	Tingwall	6		
Eshaness	39	Nesting	16	Toft Ferry	29	UNST:	
Girlsta	10	North Roe	38	Urafirth	31½	Baltasound	54
Graven	29	Ollaberry	33	Voe	18	Belmont	47
Gruting	29	Park Hall	18	Walls	24½	Haroldswick	57
Gulberwick	3½	Quarff	7	Weisdale	11	Uyeasound	50
Hamnavoe (Burra)	10	Quendale	24	Whiteness	8		

Approximate distance from Lerwick to:

Aberdeen	211 statute miles
Bergen	225 statute miles
Brussels	680 statute miles
Edinburgh	298 statute miles
John O'Groats	123 statute miles
Kirkwall	104 statute miles
London	598 statute miles
Tórshavn	228 statute miles
Strasbourg	880 statute miles

Climate

Observations are recorded in Shetland by staff employed by the Meteorological Office at Lerwick and Sumburgh.

Observations from Lerwick Observatory began in 1921, although the first full year of recordings was not until 1922. The recorded meteorological observations from Lerwick Observatory for 1981 are as follows:

Temperature (degrees C)

	1981		1941-70		Extreme daily values (1922-1981)	
	monthly mean	monthly mean	monthly mean	monthly mean	Max. (Year)	Min. (Year)
Jan	4.6	0.5	4.7	1.3	11.7 ('32, '50)	-8.9 ('52, '59)
Feb	4.7	1.7	4.7	0.9	11.7 ('45)	-7.3 ('80)
Mar	5.8	1.8	5.8	1.8	13.3 ('61)	-8.3 ('47)
Apr	7.7	2.9	7.9	2.9	16.1 ('42)	-5.7 ('68)
May	9.7	5.8	10.1	5.1	19.4 ('54)	-2.8 ('23)
Jun	11.9	7.5	12.5	7.6	23.3 ('58)	-0.6 ('24, '29, '31, '51)
Jul	13.7	9.2	14.0	9.3	22.8 ('26, '58)	3.3 ('21)
Aug	14.1	9.7	14.1	9.6	20.6 ('38, '47)	1.7 ('21)
Sep	13.3	10.3	12.6	8.5	19.4 ('53)	-0.6 ('54)
Oct	7.7	4.1	10.2	6.7	17.2 ('55)	-3.3 ('48)
Nov	6.5	3.3	7.3	4.4	13.9 ('46)	-5.7 ('62)
Dec	2.8	-0.6	5.6	2.4	12.2 ('48)	-8.3 ('61)
Year	8.6	4.7	9.1	5.0		

Number of days in 1981 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Thick Fog	Rain
Jan	20 (15.0)	18 (11.0)	1 (0.3)	11 (8.5)	4 (1.8)	27 (25)
Feb	15 (13.0)	4 (12.0)	1 (0.7)	7 (5.7)	0 (2.0)	18 (21)
Mar	16 (12.0)	9 (8.8)	0 (0.3)	6 (7.4)	3 (2.6)	23 (21)
Apr	9 (6.9)	6 (5.7)	0 (0.1)	0 (2.2)	2 (5.0)	16 (20)
May	4 (2.5)	1 (1.0)	1 (0.1)	0 (1.5)	16 (6.3)	18 (17)
Jun	1 (0.0)	0 (0.1)	0 (0.3)	0 (1.3)	3 (7.7)	18 (16)
Jul	0 (0.0)	0 (0.0)	0 (0.3)	0 (0.6)	2 (6.9)	21 (17)
Aug	0 (0.0)	0 (0.0)	0 (0.3)	0 (0.5)	4 (6.9)	19 (17)
Sep	0 (0.0)	0 (0.0)	0 (0.2)	3 (2.5)	7 (6.0)	23 (20)
Oct	5 (1.1)	1 (0.6)	1 (0.3)	4 (5.5)	1 (3.6)	27 (23)
Nov	11 (7.0)	3 (4.9)	0 (0.7)	8 (5.0)	0 (0.7)	26 (25)
Dec	21 (13.0)	24 (8.8)	0 (0.3)	7 (7.8)	1 (1.6)	24 (26)
Year	102 (70.5)	66 (52.9)	4 (3.9)	46 (48.5)	43 (51.1)	260 (248)

Figures in brackets are 1956-1970 monthly mean totals.

Days of snow or sleet: snow or sleet observed at any time of day.

Air Frost: minimum air temperature less than 0.0 deg. C. at any time of day.

Thunder: thunder heard at any time of day.

Gales: mean wind speed greater than or equal to 34 knots for at least 10 mins.

Thick Fog: visibility less than 200 metres at any time of day.

Rain: precipitation greater than 0.2mm recorded over a 24-hour period.

MONTHLY TOTALS

	Sunshine (hours)		Rainfall (inches)	
	1981 totals	Extreme daily totals	1981 totals	Extreme daily fall
Jan	14.2 (25)	6.6 ('39)	6.14 (5.04)	1.70 ('37)
Feb	42.7 (54)	9.8 ('40)	3.17 (4.13)	1.83 ('51)
Mar	74.6 (86)	11.6 ('64)	5.48 (3.66)	1.84 ('52)
Apr	136.5 (137)	14.8 ('26)	2.01 (2.72)	1.46 ('40)
May	108.8 (157)	16.2 ('40, '57, '80)	2.2 (2.52)	1.96 ('66)
Jun	136.3 (152)	17.4 ('34)	3.25 (2.64)	1.44 ('81)
Jul	89.7 (131)	16.6 ('35)	1.51 (2.68)	3.70 ('35)
Aug	91.2 (116)	15.1 ('28)	2.62 (2.95)	1.85 ('45)
Sep	70.6 (99)	13.0 ('24)	5.3 (4.29)	2.00 ('54)
Oct	59.8 (62)	10.1 ('37)	9.76 (4.84)	2.41 ('81)
Nov	22.9 (33)	6.8 ('61, '67)	9.27 (5.08)	2.81 ('49)
Dec	11.5 (15)	5.1 ('57)	4.57 (5.59)	1.78 ('51)
Year:	858.8 (1,067)		55.28 (46.14)	

Figures in brackets are 1941-1970 averages.
Extreme daily totals are over the years 1921-1981

Wind Speed (knots)

	Monthly mean		Max. hourly mean speed 1921-1981			Highest gust 1921-1981		
	1981	1941-1970	1981	Dir	Year	1981	Dir	Year
Jan	19.3	(17.0)	42	(64 010°	'53)	65	(95 220°	'61)
Feb	20.0	(15.9)	56	(56 230°	'81)	80	(83 280°	'43)
Mar	15.8	(16.1)	38	(53 240°	'67)	53	(77 240°	'67)
Apr	11.9	(14.2)	32	(55 250°	'57)	46	(78 250°	'57)
May	10.3	(12.4)	24	(43 230°	'58)	41	(65 240°	'56)
Jun	12.5	(11.9)	24	(42 260°	'55)	37	(61 260°	'55)
Jul	11.3	(11.3)	25	(40 030°	'40)	35	(61 290°	'64)
Aug	12.1	(10.9)	25	(49 240°	'23)	35	(69 240°	'23)
Sep	13.0	(13.1)	44	(59 210°	'78)	61	(87 270°	'63)
Oct	16.1	(15.1)	45	(58 230°	'65)	65	(90 250°	'80)
Nov	16.9	(15.4)	46	(51 220°	'38)	74	(80 280°	'36)
Dec	15.1	(16.8)	43	(58 240°	'36)	63	(90 220°	'56)

(Lerwick Observatory: 60° 08' N, 01° 11' W, 82m above sea level.)

Fisheries

Fish landed in Shetland by U.K. vessels 1981

	White Fish		Shellfish		Sand Eels	
	Tonnes	£	Tonnes	£	Tonnes	£
Jan	749.17	225219	30.98	23388	0.00	0
Feb	475.90	183017	39.87	27011	0.00	0
Mar	1327.55	391358	95.65	70220	0.00	0
Apr	990.27	307952	88.54	54420	4852.48	130571
May	816.85	257972	39.77	22143	6641.64	176604
Jun	747.57	236418	50.03	17249	7444.22	212433
Jul	1184.69	293864	54.71	17512	8850.66	265080
Aug	784.74	193458	84.88	20582	6358.04	189441
Sep	1186.59	283835	96.77	23971	5874.50	176466
Oct	1214.59	305170	48.31	15621	709.86	20965
Nov	1055.25	296688	28.19	10938	0.00	0
Dec	910.41	237224	37.53	25145	0.00	0
Total:	11443.58	3212175	695.23	328200	40731.40	1173560
1980	11243.34	3243338	1043.75	485630	25132.20	692317
1976	13456.77	2587548	588.08	202339	18548.24	515398
1971	17954.18	1057691	783.11	159370	0.00	0

Included in White Fish Total

	Tonnes	£	Average Quay Price £ per tonne
Cod			
1981	914.68	308585	337.37
1980	795.73	306298	384.93
1979	448.74	192392	428.74
1976	1579.10	407671	258.17
Haddock			
1981	5089.04	1395658	274.25
1980	3274.28	981338	299.71
1979	2237.31	868634	388.25
1976	5333.22	1117642	209.56
Whiting			
1981	4838.79	1307991	270.31
1980	6366.93	1669886	262.27
1979	6233.98	1750611	280.82
1976	5394.98	872348	161.70

Other fish landed in Shetland

	Mackerel		Herring	
	Tonnes	£	Tonnes	£
1981	862.02	49560	870.80	57158
1980	1966.69	104381	1.20	934
1979	1154.39	94441	not landed	—
1976	775.04	38623	4009.79	461243

	Sprats		Norway Pout	
	Tonnes	£	Tonnes	£
1981	not landed	—	not landed	—
1980	11.07	4893	602.49	17766
1979	206.00	22950	3015.34	87231
1976	973.86	64895	11282.88	349424

Total fish landed in Shetland by U.K. vessels (all species)

	Tonnes	£
1981	54567.03	4820653
1980	42683.32	4623430
1979	28688.25	4071287
1976	49634.66	4219470
1971	41877.14	1806631

Weight and Value of Catch by Method

	1981		1980		1976	
	Tonnes	£	Tonnes	£	Tonnes	£
Seine Net	6072.41	1670553	6601.88	1878127	4731.93	871446
Industrial Trawl	40733.93	1174000	25790.47	728814	31308.49	1155125
Light Trawl	5047.07	1456779	4518.47	1326904	5908.12	1127091
Pair Trawl	321.57	84403	12.42	3950	1339.66	298794
Purse Seine	1658.22	104402	1936.97	102773	5134.19	514699
Single Boat						
Pelagic Trawl	38.60	2316	2119.99	59043	—	—
Two Boat						
Pelagic Trawl	—	—	603.77	21496	624.18	49976
Queenie Trawl	—	—	0.42	94	—	—
Motor Trawl	—	—	17.65	6098	—	—
Gill Net	—	—	37.63	10501	—	—
Shellfish	695.23	328200	1043.75	485630	588.08	202339

Landings at Shetland by Foreign Vessels

	Tonnes	£
1981	1.08	299
1980	41.70	10069
1979	2829.00	241397
1976	2976.88	125894

Landings by Shetland Vessels Outwith Shetland

	Landings at Scottish Ports		Landings Elsewhere (mainly Cornwall)	
	Tonnes	£	Tonnes	£
1981	21231.00	2230710	7574.00	510907
1980	10907.75	1099930	13579.04	1015987
1979	10504.00	1565329	13068.00	1090099
1976	997.05	257306	253.39	31758

Distribution of Vessel Type by District 1981

District	Purse Seiners	Trawlers/ Seiners over 50'	Vessels 35'-50'	Vessels 20'-35'	Total
Burra	1	17	3	9	30
Walsay	7	13	2	5	27
Yell	0	1	5	5	11
Scalloway	0	4	5	1	10
Lerwick	1	4	5	0	10
Skeld	0	1	1	2	4
Skerries	0	2	1	0	3
Northmavine	1	1	1	0	3
Other	0	0	4	22	26
Total:	10	43	27	44	124
1980	10	39	26	42	119
1979	8	37	22	43	110
1976	5	46	29	57	137
1971	3	38	36	59	136

Fish Processing

10 firms are engaged in fish processing in Shetland with 13 separate factories. There are 10 white fish processing lines, 2 herring lines, 1 fish meal plant, and 2 shellfish processing lines. Statistics for the industry are not easily established, but turnover is estimated to be from £9-£11 million in 1981.

Employment in the Shetland Fishing Industry

	Catching	Processing	Ancillary	Total
1981	542	480	243	1265
1980	591	491	314	1396
1979	584	504	319	1407
1976	652	833	225	1710
1971	636	967	171	1781

Agriculture

	1971	1976	1980	1981
Land Use:				
tillage	1410.0	1221.4	1032.7	1062.1 ha
grassland and crops	8407.6	8766.0	8448.2	8400.1 ha
rough grazing (including common grazings)	128841.5	133888.9	132534.4	133160.1 ha
woodland	15.0			
roads, buildings, etc.	162.3			
number of holdings	2532	2353 + 93	2249 + 93	2240 + 93
	(+ 93 common grazings)			
total area rented	38130.3	37271.0	36175.1	36046.5 ha
total area owned	28160.8	29566.3	30213.6	30367.9 ha
total area rented/owned (excluding common grazings)	66291.1	66837.8	66388.7	66414.4 ha
Area Under Crops:				
grass (other than rough grazing)	6997.6	7544.9	7415.5	7338.0 ha
barley	21.5	25.9	67.2	511.1 ha
oats	835.3	588.2	432.8	
turnips and swedes	134.3	121.6	91.4	102.7 ha
kale and cabbage	73.1	47.7	38.7	33.8 ha
potatoes	256.3	259.9	231.5	232.5 ha
rape	48.1	26.7	15.3	16.9 ha
other crops	17.4	14.0	14.2	25.4 ha
Livestock:				
beef cows and heifers	2492	2600	1985	1896
dairy cows and heifers	791	679	583	593
total cattle	6945	6988	5337	5103
total sheep	264779	284585	286854	297558
pigs	9	39	36	83
poultry	12950	10286	8246	8672
ponies	c. 1000	c. 1000	c. 1000	c. 1000
registered slaughterhouses	9	9	8	8
sheep slaughtered	8417	11440	9276	9592
cattle slaughtered	485	136	192	278
pigs slaughtered	0	0	2	0
sheep exported	43464	49687*	56519*	60542*
cattle exported	1947	2660*	2162*	2066*
ponies exported	417	618*	443*	407*
Wool:				
Production in Kilos	n/a	n/a	n/a	c.212000
Milk:				
dairy units	23	22	20	23
milk production (estimated)	317550	362700	432525	459900 gals.
	1971	1976	1980	1981
Employment:				
Employees (full and part time)	222	210	184	204
Occupiers (full and part time)	439†	509†	459	457
Others‡	584†	787†	712	718

Capital Improvement:

(a) Land improvement:

Reclamation	n/a	21.7	29.2	16.24 ha
Regeneration	n/a	119.7	173.5	282.61 ha
Drainage	n/a	18471.0	41624.0	20864.0 metres

(b) Grant-Aided Capital Investment:

New silos	n/a	8	4	1
Fanks and dippers	n/a	4	9	6
New byres	n/a	4	1	2
G.P. sheds	n/a	6	10	10
Slatted courts	n/a	2	2	1
Cubicle houses	n/a	0	2	2
New croft houses	n/a	0	18	17
Croft house improvements	n/a	n/a	9	3

During 1981 1305.941 hectares of common grazing were apportioned and enclosed following 79 applications. 57 apportionments were granted.

1971: includes statistics, taken in 1970, relating to holdings with a labour requirement of under 26 standard man days.

1976-81: includes statistics, taken in 1976, relating to holdings with a labour requirement of under 40 standard man days.

* Figures by courtesy of P. & O. Ferries, Aberdeen. These include a small proportion of animals in transit from Aberdeen to Shetland.

† Estimate.

‡ Includes occupiers less than ½ time, wife/husbands of occupiers and casual and seasonal labour.

Tourism

Estimated income from Tourism (1980): £1.75 to £2 million.

Accommodation capacity available to Shetland Tourist Organisation by bed spaces:

Type of Accommodation	1976	1979	1980	1981	1982
Lerwick Hotels	149	154	104	236	227
Country Hotels	292	286	262	342	350
Lerwick B & B	206	140	126	103	108
Country B & B	154	147	165	203	234
Self Catering, cottages, etc.	169	179	241	271	247
Caravans	106	97	145	104	115
Hostels	76	94	94	81	56
Total:	1152	1097	1137	1340	1337

P. & O. Ferries Mini Cruise Passengers:

1976	1979	1980	1981	1977	1979	1980	1981
1390	2985	2218	2146	2152	5030	7540	3564

Cruise Liner Passengers:

Knitwear

Statistics for the knitwear industry are very difficult to obtain and all figures produced here should be treated with extreme caution.

Size

The knitwear industry in Shetland currently consists of 23 known separate businesses. The size of the operation varies from small businesses with a turnover of less than £5,000 per annum to substantial concerns with a turnover in excess of £200,000 per annum. The total value of the products from the industry is estimated at over £4 million per annum, though turnover figures are very difficult to obtain.

Employment

	Full Time	Part Time	Home Knitters
1971	234	111	2268
1977	155	71	2098
1980		134	n/a
1981		131	n/a

Production

Over 400,000 garments are produced per annum. These include the classic Fair Isle yoked and allover Fair Isle knitted jumpers or *gansies*; lace knitted scarves, stoles and shawls; cardigans, mittens, gloves, hats and scarves in Fair Isle patterns; and modern plain and striped patterns. Garments with Fair Isle knitting in them account for more than 50% of the current production.

Markets

About 30% of the garments made are directly exported throughout the world from Shetland. Of the remaining garments, which go to the UK market, many sold to London retailers and wholesalers are exported.

The major marketing problem is the plagiarisation of the word 'Shetland' by knitwear manufacturers all over the world. Many millions more garments labelled 'Shetland' are turned out than are produced in the islands or could be accounted for by the production of wool from native sheep. Wool production on average is about 75,000 kilos of pure Shetland and 150,000 kilos of Shetland cross and other types.

Crafts

Shetland has a long tradition of producing high quality craft goods. The main products apart from knitwear are tweed, sheepskin, seal and calf skin products (rugs, toys, bags, etc.); jewellery (using local stone and designs) and silverwork; pottery; woodwork; tapestry; printed goods; and cast figurines.

Excluding knitwear, these crafts provide regular employment for around 50 people in over 20 businesses, as well as an additional number on a more seasonal basis. While the total number of people employed is not high, many of the businesses are located well outside Lerwick and provide a valuable source of income in the rural areas.

Oil

OFFSHORE

(a) The Exploration Phase:

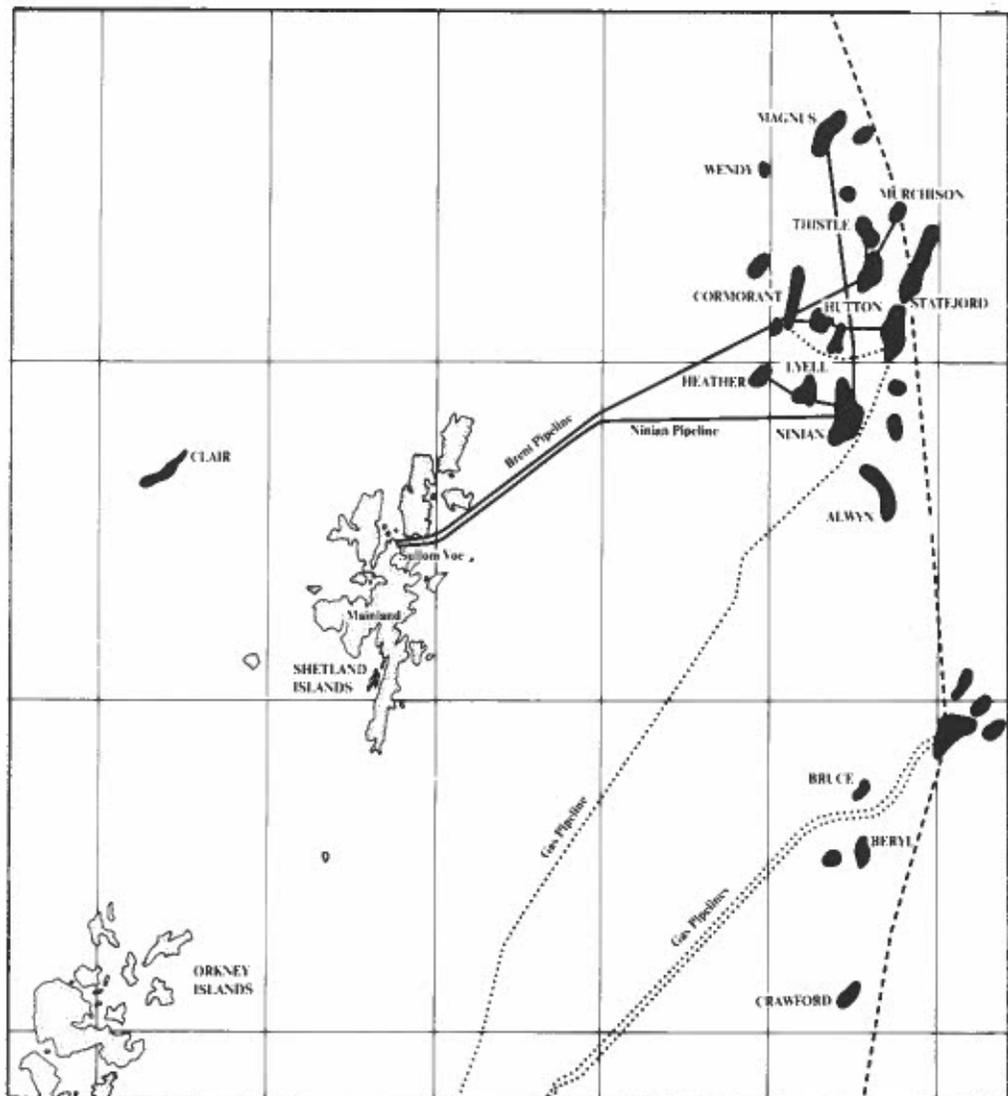
1970	Jun	The exploration phase for oil and gas offshore Shetland initiated by Department of Energy when first Licence Blocks were allocated to interested companies.
1971	Jul	Exploration activity began in earnest, with supply and helicopter services being established in Shetland to support offshore activities.
		First of many major oil and gas strikes occurred when the Brent Field was discovered.

(b) The Development Phase:

1975		The development phase began with the laying of the main Brent and Ninian pipeline systems, and the floatout of the production platforms (one for the Beryl Field, one for the Brent Field.)
1976	May	Main Ninian pipeline completed.
	Jun	Main Brent pipeline completed.
1978	Nov 25	First oil piped to Sullom Voe through the Brent pipeline system from the Dunlin Field, 100 miles north of Shetland.
	Nov 30	First oil shipped out from Sullom Voe by the Shell tanker <i>Donovania</i> .
	Dec 31	First oil arrived through the Ninian pipeline system at Sullom Voe, from the Heather Field.

1981 OFFSHORE HIGHLIGHTS

Month	Field/Block	Occurrence
Mar	3/8a-7	Discovery of oil by B.P.
May	N. Cormorant	Tow out of 25,000 tonne jacket.
	Hutton	Installation of 350 tonne, 32 well slot, drilling template. Tension Leg Platform (TLP) tow out due late 1983; first oil production scheduled 1984.
	3/7a-4	Chevron had oil shows from wildcat well.
	211/18a-22a	B.N.O.C. found oil.
Jun	Magnus	Castoro Sei barge completed laying of 24" diameter, 92 Km. pipeline from Magnus to Ninian central platform.
Jul	3/7b-5	Chevron found oil shows.
Aug	Statfjord	'B' platform installed.



Shetland Oilfields

Sep	N.W. Hutton	17,000 tonne jacket placed over template. First production expected 3rd quarter 1982.
	204/28-1	B.P. found oil. £3 billion gas gathering pipeline scheme abandoned by U.K. Government for the North Sea.
Oct	Cormorant	Production resumed from 'A' platform after 5½ month shut down for planned construction and maintenance.
Nov		Northern leg of former gas gathering pipeline scheme collecting associated gas from Magnus-Thistle-Murchison Fields to link with Brent FLAGS pipeline to St. Fergus to proceed under industry auspices.

1981 DEVELOPMENT POSITION IN SHETLAND WATERS

- No. of named Fields with Development Plans Announced: 17**
Alwyn (North), Beryl, Beryl B, Brent, Central Cormorant, Cormorant, North Cormorant, Dunlin, Frigg, Heather, Hutton, N. West Hutton, Magnus, Murchison, Ninian, Statfjord, Thistle.
- No. of Fixed Platforms Installed: 22**
Beryl 1, Brent 4, Cormorant 1, North Cormorant 1, Dunlin 1, Frigg 5, Heather 1, North West Hutton 1, Murchison 1, Ninian 3, Statfjord 2, Thistle 1.
- No. of Development Wells Required on Fields with Plans Announced: Approximately 500 (excluding Frigg and Statfjord).**
- No. of Named Fields with no Development Plans Announced: 8**
Alwyn, Bruce, Clair, Columba, Eider, Lyell, Tern, Wendy.
- No. of Un-Named Finds of Interest: 12**
2/5-10, 2/5-12, 2/5-14 (N.W. Heather), 2/10a, 2/15-1, 3/4, 3/8a-6, 3/14, 9/18, 9/19, 206/7, 206/9, 206/13, 211/13, 211/18-12, 211/18-13, 211/18-23, 211/19-6, 211/22.
- No. of Operating Companies with Licence Block Interest Around Shetland: 28**

1981 ONSHORE HIGHLIGHTS

Month	Facility	Occurrence
Feb	Lerwick Harbour	Completion of concrete ramp roro facility and Morrison Dock at a cost of £4.5 million.
Apr	Lerwick Harbour	Completion of £400,000 casing yard for BP.
May 9	Sullom Voe	Official opening of Terminal by Her Majesty Queen Elizabeth, accompanied by Duke of Edinburgh, and King Olav V of Norway.
Dec	Lerwick Harbour	Record tonnage of 988,019.5 tonnes through harbour in 1981, compared with 2.3 million at Aberdeen.

May 17 Sullom Voe First cargo of liquid petroleum gas exported from
1982 Sullom Voe. Gas carrier "Hesperus" loaded 3,200
tonnes of propane and 3,600 tonnes of butane.

ONSHORE FACILITIES

Onshore facilities fall into the following categories:—

1. An oil terminal and harbour at Sullom Voe for the storage, treatment and exporting of oil and associated gas from the Brent and Ninian pipeline systems.
2. Marine service bases.
3. Air services.

1. THE OIL TERMINAL AND HARBOUR

The terminal is situated at Calback Ness on a site of approximately 1,000 acres, on Sullom Voe, 31 miles North of Lerwick. Construction of facilities for a throughput of 826,000 bpd began in February 1975. This throughput figure was upgraded to 1.39 million bpd and subsequently in May 1978 to 1.41 bpd, and the completion date of the Terminal was extended to 1982.

Pipeline System	Year	Barrels	Tonnes	Average Daily Production Tonnes
Brent	1981	174,504,301	23,116,490	63,333
	1980	126,060,376	16,773,845	45,956
	1979	77,552,205	10,367,579	28,404
	1978	6,390,950	856,991	—
Ninian	1981	115,735,451	15,545,240	42,590
	1980	89,808,256	12,066,455	33,059
	1979	63,665,158	8,555,865	23,441
	1978	679,726	92,186	—

Harbour Operations

These are controlled from a £1 million Port Administration Building and communications centre at Sella Ness.

Sullom Voe Port Operations 1981:

Imports	Tonnes	Exports	Tonnes
Foreign	—	Foreign	27,118,646.00
Coastwise	99,458.732	Coastwise	11,854,331.107
Total Imports:	99,458.732	Total Exports:	38,972,977.107
1980	211,445.48	1980	28,312,630.58
1979	278,971.54	1979	19,701,485.78
1978	338,279.59	1978	787,099.68

Tanker operations:

	No. of tankers loaded	Total oil exported (tonnes)
1981	433	39,893,552
1980	343	28,298,463
1979	270	18,678,324
1978	11	744,542

Terminal Construction Workforce*:

	Jun 1978	Jun 1979	Jun 1980	Jun 1981	Dec 1981	Mar 1982
Construction	3519	5606	5669	4041	2372	1598
Catering	1062	1410	1383	1082	621	412
Total:	4581	7016	7052	5213	2993	2010

Permanent Terminal Associated Workforce*:

Month	S.I.C. Ports & Harbours Dept.		Shetland Towage		B.P. Terminal Staff		S.V. Eng/† M.B.R./C.C.		Total Employees	
	Total	% local	Total	% local	Total	% local	Total	% local	Total	% local
Jun 1978	32	66	25	80	113	31	n/a	—	170	43
Jun 1979	71	70	76	87	269	29	152	37	568	44
Jun 1980	84	62	80	87	354	38	215	40	733	47
Jun 1981	92	63	86	88	407	48	336	41	921	50
Dec 1981	92	75	91	85	408	49	411	39	1002	50

*Source: Joint Employment Monitoring Group

†Sullom Voe Engineering, M.B.R. Laboratories, Commercial Catering Co.

2. MARINE SERVICE BASES

Base	Acres	Berths operational
B.P. Pet. Dev. Ltd.	4¼	2
Norscot Oil Services Ltd.	40	9
Ocean Inchcape (Shetland) Ltd.	14 (+12 acres on option for open storage)	3
Shell U.K. Exploration & Production Ltd.	10	2

Berthage for one supply vessel is available at Scalloway and Baltasound harbours respectively where facilities are expected to be developed further.

Oil service vessels visiting Shetland

	1972	1974	1976	1978	1979	1980	1981
Lerwick	151	838	1679	1827	1531	1586	1556
Sandwick	0	110	114	27	32	6	0
Scalloway	32	16	16	25	7	20	3
Total:	83	964	1809	1879	1570	1612	1559

Marine service base employment*

	1972	1974	1976	1978	1979	1980	1981
Employment	21	60	185	377	379	385	391

*Source: Joint Employment Monitoring Group

3. AIR SERVICES

See Transport Statistics, pp. 23-25.

Further details on all aspects of oil and oil-related activities can be obtained from the publication 'Shetland's Oil Era', available from the Research and Development Dept. of the Shetland Islands Council.

Industrial Sites

Six serviced industrial sites and estates have been developed in Shetland; more are planned for future years.

Industrial Site	Developer	Area (Acres)
Gremista Estate, Lerwick	SIC	13.47
Black Hill Estate, Lerwick	LHT/BP	4.6
Sellaness Estate	SIC	21.91
Wethersta	SIC	5.51
Baltasound	SIC	0.77
Dunrossness	SIC	2.24

* SIC - Shetland Islands Council
LHT - Lerwick Harbour Trust
BP - BP Petroleum Development Ltd.

Employment

Employees in employment in Shetland (full and part time):

	1971*	1977*	1981§
Primary	279	322	938
Manufacturing	1335	1125	940
Construction	489	1004	906
Services	2885	4400	6339
Total:	4985	6851	9123

These figures do not include temporary oil and oil-related workforce.

Total self-employed in Shetland:

	1971†	1977*	1981§
	1445	1450	1452

The largest section of the self-employed are fishermen, with the bulk of the remainder in the trades, which has accounted for the increase from 1971-81.

Temporary oil and oil related workforce at Sullom Voe**:

	1977		1981	
	Total	Shetland 'residents'	Total	Shetland 'residents'
Construction	1154	130	3722	307
Services	581	230	1429	433
Total:	1735	360	5151	740

Total Shetland residents in employment:

	1971	1977	1981
Employees in employment	4985	6866	9123
Short-term and oil-related employees	—	360	740
Self-employed	1445	1450	1452
Total:	6430	8676	11315

*Dept of Employment.

†Research & Development Dept., Shetland Islands Council estimate.

§1971 Population Census.

**Joint Employment Monitoring Group.

UNEMPLOYMENT

Unemployment percentage as at June each year:

	1969	1971	1973	1975	1977	1979	1980	1981
Shetland	6.2	3.8	2.2	2.9	4.0	2.8	3.7	5.3
Orkney	4.6	3.9	2.4	2.4	4.8	5.7	6.5	9.0
Western Isles	13.2	18.0	12.9	14.0	14.0	11.8	13.7	20.1
Grampian	2.8	3.7	2.4	2.3	4.3	4.6	5.3	7.6
Strathclyde	3.9	6.7	5.2	5.6	9.8	9.8	12.3	16.1
Scotland	3.3	5.5	4.3	4.7	8.6	8.1	9.9	13.5

*Unemployment rate as at May 1982: 6.6%

Transport

INTERNAL TRANSPORT

Location	Type of Transport	Type of Service	Surface Type and Dimensions of Airstrip
Unst	Air	S	Bituminous (610 × 23m)
	SIC Vehicle Ferry	S	
Yell	SIC Vehicle Ferry	S	
Fetlar	Air	S	Soft Gravel (457 × 18m)
	SIC Vehicle Ferry	S	
Skerries	Air	C	Grass (381 × 18m)
	SIC Ferry	S	
Whalsay	Air	S	Rolled Gravel (Firm) (457 × 18m)
	SIC Vehicle Ferry	S	
Scatsta	Air	S	Bituminous (960 × 23m)
Bressay	SIC Vehicle Ferry	S	
Tingwall	Air	S&C	Bituminous (740 × 18m)
Sumburgh	Air	C	Tarmac (1084 × 46m) Tarmac (1426 × 46m) Tarmac (550 × 45m) Rolled Gravel (Firm) (457 × 18m)
Fair Isle	Air	S	
	Ferry	S	
Papa Stour	SIC Ferry	S&C	
Vaila	Ferry (P)	C	
Foula	Air	C	Soft Gravel (457 × 18m)
	Ferry	S	

P: Privately Owned S: Scheduled C: Charter
All internal air services are operated by Loganair Ltd.

Bus Services also operate from:

Route:	Operator
Lerwick to: Sumburgh; Sumburgh Airport	A. Eunson; J. Leask & Son
Sandwick	Sandwick Transport Co. Ltd.
Brae - Hillswick/North Roe	Georgeson & Moore
Brae - Mossbank	Georgeson & Moore
Weisdale - Skeld; Weisdale - Walls	J. Watt & Son; Georgeson & Moore
Voe - Toft (for Yell; Unst/Fetlar)	J. Leask & Son
Laxo (for Whalsay)	J. Leask & Son
Scalloway; Burra	Georgeson & Moore
Lerwick Town Service	J. Leask & Son
Yell:	R. Jamieson
Ulsta - Gutter - Cullivoe	R. Jamieson
Ulsta - Mid Yell - Westsandwick	A. Williamson
Unst:	Belmont - Saxa Vord/Baltasound P. Y. Mills

Present Schedule of County Highways:

Principal Roads	123.54 miles
Other Class I Roads	16.68 miles
Class II Roads	103.59 miles
Class III Roads	106.30 miles
Unclassified Roads	200.52 miles
Total:		550.63 miles

INTER-ISLAND FERRIES

Shetland Islands Council Ferry Traffic:

Passengers	Ferry Route			
	Yell	Unst/Fetlar	Bressay	Whalsay
1981	109,755	44,570	92,454	42,638
1980	114,084	35,697	98,029	35,061
1978	86,789	31,397	75,676	34,631
1976	62,626	33,460	71,615	23,110 *

Vehicles

	Ferry Route			
	Yell	Unst/Fetlar	Bressay	Whalsay
1981	50,310	22,897	23,414	19,330
1980	44,578	23,406	21,937	17,001
1978	36,210	19,715	14,100	17,445
1976	33,333	16,920	14,817	10,117

*Whalsay figures are from 8/2/76.

EXTERNAL FERRIES

P&O Ferries Services:

Passengers* & accompanied cars:

	Passenger journeys§				Accompanied motor car journeys			
	1977	1978	1980	1981	1977	1978	1980	1981
January	1380	2043	2144	1020	160	236	367	232
February	653	1067	897	1063	77	165	186	274
March	1502	1647	1999	2114	189	235	348	421
April	2673	2155	4037	4677	246	306	569	701
May	3402	3363	4435	5365	425	412	562	665
June	5516	5793	6885	6427	738	792	904	874
July	8031	7831	10787	9182	1030	1137	1576	1550
August	7880	9280	10402	9768	1060	1251	1503	1522
September	4635	5220	6553	6016	450	685	875	738
October	2850	3590	4268	3542	381	467	766	731
November	1458	1665	2278	1252	210	254	435	302
December	1468	2407	2755	2105	198	358	537	388

Total: 41448 46061 57440 52531 5164 6298 8628 8398

1971: 22693 passengers.*Figures include Mini Cruise passengers.

§Each passenger journey is counted as one-way (Aberdeen-Lerwick or Lerwick-Aberdeen).

Freight

Type of Freight	1978	1980	1981
Groupage (tons) 35048	33638	not available
Self-propelled commercial vehicles	3566*	27701§	24327§
Commercial trailers 2129*	31022§	26959§
Unaccompanied cars 1153*	5257§	3941§

*Unit numbers

§Running metres

SHIPPING IN LERWICK HARBOUR

	1971	1976	1980	1981
General	316	470	424	418
H.M. Ships	41	33	31	62
Oil	51	99	131	140
Oil Rig Tenders	79	1679	1586	1556
Other Vessels	448	736	453	480
British Fishing	1440	893	859	677
Foreign Fishing	1580	1357	268	246
Total All Shipping:	3955	5267	3752	3579
Net Registered Tonnage	624233	1442672	1623317	1713410

Foreign Fishing Vessels:

Country	1971	1976	1980	1981
Denmark	374	416	136	117
Faroe	242	203	37	14
Finland	6	7	0	0
France	16	11	21	13
Germany	3	4	0	1
Iceland	215	86	10	2
Netherlands	12	13	1	0
Norway	551	524	60	96
Poland	1	37	0	2
Sweden	100	43	1	1
USSR	60	13	2	0
Total:	1580	1357	268	246

Total tonnage handled, Lerwick Harbour (tonnes):

	1971	1976	1980	1981
General Cargo Imports	45760	147762	196528	200077
General Cargo Exports	48849	31997	57463	57471
Oil Related Imports	342	161454	253365	288999
Oil Related Exports	—	317884	378919	421807
Total:	94951	659097	886275	968354

These figures do not include weight of containers.

Lerwick Harbour Trust Revenue:

1981	£2.1 million
1980	£1.8 million
1979	£1.6 million
1976	£975,000
1971	£49,000

AIR SERVICES

1981 saw a marked decline in passenger movements throughout Shetland. At Scatsta this can be attributed to the rundown of the construction phase at the Sullom Voe Terminal. Tingwall traffic remained fairly static, however oil related traffic decreased markedly at Sumburgh during 1981.

Total airport traffic* (Sumburgh, Scatsta, Unst and Tingwall):

	1978	1979	1980	1981
Total aircraft movements	57,343	63,390	62,014	52,863
Total passengers	757,470	831,857	894,770	784,545

*Includes all passengers on scheduled services.

AIR SERVICES EMPLOYMENT (as at January 1982)

Airport	Total Employees		% Local			
	Male	Female				
Sumburgh	501	392	59			
Tingwall	10	8	90			
Scatsta	41	35	29			
Unst	69	58	42			
	Sumburgh	Tingwall	Scatsta	Unst	Total	% of Total at Sumburgh
1978	529	n.a.	n.a.	n.a.	n.a.	n.a.
1979	734	6	33	23	796	92
1980	748	6	42	37	833	90
1981	650	12	42	68	772	84
1982	501	10	41	69	621	81

SUMBURGH AIRPORT

Passengers and Freight

	Total Passengers	Fixed Wing scheduled passengers	Charter passengers + other	Helicopter passengers	Freight (kgs.)
1981					
Jan	46284	5553	20335	20396	385053
Feb	43213	5151	19021	19041	222140
Mar	45888	5415	20443	20030	300682
Apr	48125	7013	20534	20578	308480
May	43718	5566	18804	19348	273065
Jun	51610	7396	21891	22323	308638
Jul	48311	7885	20210	20216	309331
Aug	43936	8177	18034	17725	290517
Sep	48627	6751	20785	21091	302088
Oct	43992	7340	18376	18276	303029
Nov	37094	5785	15696	15613	243907
Dec	40963	4821	18260	17882	240904
Total:	541761	76853	232389	232519	3487834
1980	608169	82879*	269480	256810	3801467
1979	622446	89324*	279908	253214	3274754
1978	685492	90601*	323151	271740	1950287
1976	250778	78654*	84111	88013	1574338
1972	70589	45871*	13979	10739	205303

*Fixed Wing scheduled passengers 1972-1980 figures include external and internal flights. Internal flights now operate through Tingwall.

Aircraft Movements 1981

	Total	Aircraft Movements	
		Fixed Wing	Helicopter
Jan	3085	1268	1817
Feb	2836	1240	1596
Mar	2922	1217	1705
Apr	2969	1267	1702
May	2773	1141	1632
Jun	3278	1364	1914
Jul	3102	1324	1778
Aug	2629	1177	1452
Sep	3060	1294	1766
Oct	2752	1142	1610
Nov	2359	942	1417
Dec	2423	985	1438
Total:	34188	14361	19827
1980	41307	17602	23705
1979	47771	21737	26034
1978	50666	23843	26823
1976	25694	13030	12664
1972	6095	n/a	n/a

TINGWALL AIRPORT TRAFFIC

	Passengers			Aircraft Movements		
	Total	Fixed Wing	Helicopter	Total	Fixed Wing	Helicopter
1981	12180*	12012	168	2877	2815	62
1980	12194*	12154	40	2989	2921	68
1979	8840	8716	124	2200	2096	104
1978	3676	3438	238	1442	1328	114

*Figures include internal and external traffic. (External passengers in 1981: 7676).

SCATSTA AIRPORT TRAFFIC

	Passengers*			Aircraft Movements		
	Total	Inwards	Outwards	Total	Fixed Wing	Helicopter§
1981	109063	54763	54300	5758	5572	186
1980	136019	68472	67547	6406	6278	128
1979	124512	62562	61950	6613	6109	504
1978	42651	20550	22101	1786	1786	0

*Most passengers are oil-related construction workers from Sullom Voe.

§Helicopter passengers are not recorded because the helicopters which call regularly are usually those delivering core samples from offshore and do not normally carry passengers.

UNST AIRPORT TRAFFIC

	Passengers			Aircraft Movements		
	Total	Fixed Wing	Helicopter	Total	Fixed Wing	Helicopter
1981	120564	53113	67451	10040	4206	5834
1980	138388	61020	77368	11214	5223	5991
1979	76059	36362	39697	6806	3647	3159
1978	25711	14041	11670	2691	1758	933

SMALL AIRFIELD TRAFFIC

	Passengers			Airfield		
	Fair Isle	Fetlar	Foula	Skerries	Whalsay	
1981	841§	57	1175	271	80*	
1980	923*	58	562*	280	120*	
1979	969	106	450*	90	140*	
1978	1021	76	n/a	150	n/a	

	Aircraft Movements			Airfield		
	Fair Isle	Fetlar	Foula	Skerries	Whalsay	
1981	238	52	310	138	78	
1980	316*	84	200	138	82	
1979	292	n/a	110	60	132	
1978	300	72	114	68	116*	

*Estimate

§Includes scheduled passengers only

VEHICLE OWNERSHIP

Vehicles licensed in Shetland:

Type	1971	1976	1980	1981
Private cars & vans	3600	5076	6921	7048
Goods vehicles (incl. agricultural)	440	640	833	801
Buses & coaches	138	171	182	164
Motor-cycles	350	397	610	545
Miscellaneous	652	826	926	831
Total:	5180	7110	9472	9389

1971 figures: local taxation office; vehicles licensed for one month in 3rd quarter of year (part sample).

1976 figures: local taxation office and DVLC, Swansea.

1980-81 figures: DVLC, Swansea, all vehicles licensed on 31 Dec.

Population

The final 1981 census figures have not been released at the time of publication, however the General Register Office for Scotland has released a "population breakdown by age and sex" which is based on provisional census figures. Their estimate of total population from the 1981 census was 25892, this figure includes 'temporary' residents in Shetland, mainly construction workers at the Sullom Voe Oil Terminal. The table "Population of Shetland by area" is based on registrations under the National Health Service. The total population of 23130, calculated by this method does not include the temporary workforce and is therefore considerably lower than the provisional census figure.

In-migrants	1135	Births	319	Natural Increase	+ 65
Out-migrants	1116	Deaths	256	Total Increase	+ 282
Migration Balance	+ 219				

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

	1931	1951	1961	1971	1976	1980	1981
Unst	1341	1112	1151	1127	1056	1001	1004
Yell	1883	1483	1152	1143	1186	1193	1213
Fetlar	217	161	127	88	99	104	96
Whalsay	900	859	764	870	997	1055	1047
Skerries	110	127	108	100	93	94	92
Mavis Grind - North	1343	1054	816	696	710	736	748
Nelting	958	863	701	674	1161	2489	2755
Nesting	822	563	434	380			
Tresta - Bridge of Walls	1562	1225	957	873	995	1050	1059
West of Bridge of Walls	884	687	561	483	546	566	592
Foula	118	75	54	33	36	39	43
Papa Stour	100	68	55	24	38	32	35
Whiteness/Weisdale/ Gott/Tingwall	1140	1604	1603	1671*	881	1075	1119
Scalloway	—	—	—	—	1080	1181	1195
Trondra	91	54	20	17	33	81	86
Burra	767	648	653	565	743	828	848
Lerwick	4221	5538*	5908	6127	6407	7174	7255
Bressay	452	335	269	251	294	331	347
Quarff/Gulberwick	1518	426*	385	171	225	302	315
Sandwick/Cunningsburgh	1507	1376	1172	1120	1105	1297	1323
Bigton Junction - South	1089	1021	858	848	1401	1860	1883
Fair Isle	108	73	64	65	76	72	75
Total population:	21421	19352	17812	17327	19159	22560	23130

Figures in cols. 1-4: Population Census.

Figures in cols. 5-7: Shetland Health Board (estimates).

*Boundary change.

30/9/82

23,307.

31/12/82

23,185

Population breakdown by age and sex:

Age Group	1971			1981		
	Persons	Males	Females	Persons	Males	Females
0-4	1390	710	680	1829	809	1020
5-9	1395	715	680	1833	820	1013
10-14	1215	620	595	1926	873	1053
15-19	1135	585	550	1639	730	909
20-24	1125	610	515	1947	1081	866
25-29	1095	565	530	2344	1348	996
30-34	975	505	470	2433	1409	1024
35-39	950	485	465	2054	1148	906
40-44	920	475	445	1623	946	677
45-49	1080	565	515	1365	765	600
50-54	900	405	495	1268	674	594
55-59	1085	530	555	1321	727	594
60-64	1100	490	610	1063	516	547
65-69	1020	440	580	980	403	577
70-74	795	345	450	908	338	570
75-79	560	205	355	669	218	451
80-84	365	120	245	428	143	285
85 +	220	60	160	262	58	204
Total:	17325	8430	8895	25892	13006	12886

1971 Figures: 1971 Census

1981 Figures: Estimates from General Register Office for Scotland

(Includes temporary residents, mainly construction workers at Sullom Voe Terminal).

Housing

Housing Stock (occupied units, April each year):

Type	1971	1976	1979	1980	1981
Shetland Islands Council	1294	1919	2470	2677	2655
Private & Others	4378	4809	5022	5605	5507
Scottish Special Housing Assoc.	115	135	169	167	156
Total:	5787	6863	7661	8449	8328

Number of Houses*

Date	Tolerable	Not Tolerable	Total
31/12/81	7061	1173	8234
31/12/80	6854	1218	8072
31/12/79	6531	1264	7795
31/12/78	6287	1304	7591
31/12/76	5775	1397	7172
31/12/74	4908	1539	6447

Number of houses closed as "not tolerable" (1981): 12

Number of houses improved to "tolerable standard" (1981): 33

Additional new houses (1981): 204

*Number of houses with completion certificates.

Education

Number of Primary and Secondary Teachers in Shetland:

	1971	1976	1981	1982
Primary	91	117	164	182
Secondary	88	124	142	159
Total:	179	241	306	341

PRIMARY EDUCATION

Primary School Rolls as at January each year:

	1971	1976	1980	1981
Baltasound Junior High	103	100	106	76
Mid Yell Junior High	56	76	65	60
Brae Junior High*(1976)	44	68	171	173
Symbister House Junior High	125	149	146	122
Aith Junior High	67	63	52	56
Scalloway Junior High	120	136	150	145
Sandwick Junior High	44	81	96	93
Haroldswick Primary	38	33	21	27
Uyeasound Primary	21	27	16	17
Cullivoe Primary	21	23	24	26
Burravoe Primary	38	31	36	34
Fetlar Primary	14	6	15	15
North Roe Primary	17	16	23	20
Ollaberry Primary	18	12	16	17
Urafirth Primary	26	29	37	40
Mossbank Primary*(1980)	—	—	136	133
Firth Primary	16	—	—	—
Olnafirth Primary	19	30	46	46
Lunnasting Primary	20	22	38	40
South Nesting Primary	16	14	26	28
Skerries Primary	16	12	11	10
Sandness Primary	6	7	15	17
Foula Primary	4	4	7	7
Papa Stour Primary	—	—	5	6
Happyhansel Primary*(1982)	43	40	48	49
Gruting Primary	12	11	9	10
Skeld Primary	13	26	36	28
Whiteness Primary*(1977)	31	56	87	86
Burra Primary	16	—	—	—
Hamnavoe Primary*(1980)	64	65	107	111
Gott Primary	41	43	52	48
Cunningsburgh Primary*(1977)	56	74	77	77
Dunrossness Primary	123	152	209	187
Fair Isle Primary	3	9	11	13
Quarff Primary	17	19	23	26
Bressay Primary	24	38	20	17
Lerwick: Bells Brae Primary	722	790	501	511
Lerwick: Sound Primary* (1977)	—	—	292	303
Total:	2014	2262	2730	2674

*New school: year of first intake in brackets.

§New school under construction.

SECONDARY EDUCATION

Secondary School Rolls as at January each year:

	1971	1976	1981	1982
Anderson High School	571	770	915	992
(Comprehensive)				
Baltasound Junior High	36	58	75	56
Mid Yell Junior High	43	58	48	54
Brae Junior High*(1981)	47	68	164	165
Symbister House Junior High	36	54	62	62
Aith Junior High§	35	65	61	65
Scalloway Junior High§	72	129	132	129
Sandwick Junior High§	55	87	121	119
Skerries	2	6	5	3
Total:	897	1295	1583	1645

FURTHER EDUCATION

Number of staff employed at the Lerwick Further Education Centre:

	1971	1976	1981	1982
Principal (part-time)	—	—	1	1
Depute Principal	—	—	1	1
Lecturers	1	2	5	6
Instructors	1	2	2	2
Technicians	—	1	2	2

Students enrolled on F.E. Courses:

	1971	1976/77	1980/81	1981/82
Day release	20	22	70	68
Short full-time	20	34	50	54

Evening class enrolment:

	1971	1976/77	1980/81	1981/82
Aith Junior High	24	21	20	42
Baltasound Junior High	32	56	73	59
Brae Junior High	35	91	92	70
Bressay Primary	8	0	0	0
Cunningsburgh Primary	10	0	0	8
Dunrossness Primary	46	52	47	45
Fair Isle Primary	0	20	6	9
Gott Primary	0	8	0	20
Gruting Primary	10	0	0	0
Hamnavoe Primary	0	0	19	30
Happyhansel Primary	38	16	18	18
Mid Yell Junior High	39	58	56	67
Mossbank Primary	—	—	29	40
North Roe Primary	16	0	10	19
Ollaberry Primary	12	0	8	8
Olnafirth Primary	0	12	36	36
Sandwick Junior High	24	54	16	26
Scalloway Junior High	22	0	26	34
Sound Primary	—	—	43	53
Symbister House Junior High	7	39	37	61
Urafirth Primary	12	28	32	32
Whiteness Primary	8	14	14	14
Anderson High School	234	346	527	480
Total:	577	815	1109	1171

Health Board

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

Expenditure 1980/81	£	%	%
Board Administration	324,194		7.95
Hospital Running Costs			
Medical	154,256	3.79	
Nursing	902,301	22.15	
Paramedical	63,793	1.57	
Domestic	266,620	6.54	
Other	78,519	1.93	
Supplies and Services	552,170	13.56	
Laboratory Services	54,611	1.34	
Other Ancillary Services	23,041	0.57	51.45
Community Health Running Costs			
Community Health Centres	31,491	0.77	
Domiciliary Services - Nurses Pay	338,538	8.31	
Paramedical	41,392	1.02	
Supplies and Services	83,846	2.06	
Preventive Health Services	11,113	0.27	
School Health Services	129,226	3.17	15.60
General Running Costs			
General Medical Services	494,290	12.14	
Pharmaceutical Services	438,363	10.76	
Dental Services	43,070	1.06	
Ophthalmic Services	42,328	1.04	25.00
Total:	4,073,162		100.00

Hospitals:

Name	Type	No. of Beds
New Gilbert Bain	Acute and Maternity	73
Brevik Hospital	Long Stay	44
Old Gilbert Bain	Long Stay	19
Montfield Hospital	Long Stay	24

Staff

No. of General Practitioners	16
No. of Nursing Staff	145 Full Time 61 Part Time
No. of Hospital Doctors	6

Casualties Attending Accident Department of New Gilbert Bain Hospital:

1981 : 2491
1980 : 2946
1979 : 2799
1977 : 2626
1972 : 1082

Social Work

The following are part of the services provided by Shetland Islands Council Social Work Department during the years ending 31st March 1981 and 1982.

	1980/81	1981/82
No. of Eventide Home Beds*	60	60
No. of beds in Group Home	6	6
No. of Beds in Childrens Home	10	10
No. of Sheltered Housing Schemes	28	30
No. of Sheltered Houses	218	238
No. of Laundries	1	3
No. of Meals on Wheels Schemes	20	22
No. of Luncheon Clubs	3	3
No. of Meals Delivered	c60,000	c60,000
No. of Telephone Rentals Paid	138	168
No. of Telephones Newly Installed or taken over	41	35
No. of Home Helps	c200	253
No. of Home Help Clients	c325	453

*The Department also supports the Walter and Joan Gray Eventide Home in Scalloway (Church of Scotland): capacity 16 beds.

Fire Service

The Fire Service in Shetland is run by the Northern Joint Fire Committee, administered by Highland Regional Council, 1981/1982 Requisition from Shetland Islands Council: £892,000. The Requisition for 1982/83 from Shetland Islands Council is £282,000.

Number of Fire Units in Shetland 1981:

Location	Establishment	Appliances
Retained		
Lerwick	20+2 full-time officers	1 Pump Escape 1 Water Tender Ladder 1 Light Fire Appliance
Brae	18	1 Water Tender Ladder 1 Light Fire Appliance
Volunteer		
Baltasound, Bixter, Bressay, Fair Isle, Fetlar, Hamnavoe, Hillswick, Mid Yell, Mossbank, Sandwick, Scalloway, Walls, Whalsay	12 per unit	1 Portable Pump per unit
Sumburgh	12	1 Light Fire Appliance
Total:	208	

Number of fires attended:

	1971	1976	1980	1981
Chimney fires	16	21	34	24
Special services (pumping out boats, properties, etc., road traffic accidents, etc.) ...	5	13	7	17
Property and small fires	17	48	49	54
False alarms, good intent	2	4	7	6
False alarms, malicious	1	1	2	2
Total:	41	87	99	103

Crime

The Shetland Sub-Division of the Northern Constabulary is run by the Northern Joint Police Committee, administered by Highland Regional Council. 1981/82 Requisition from Shetland Islands Council: £1,777,000. The 1982/83 Requisition from the Shetland Islands Council is £554,000.

Number of Police Stations in Shetland 1981:

Single Officer Police Stations: 4 (Baltasound, Cullivoe, Scalloway and Whalsay)
Section Stations under Sergeant-in-Charge: 2 (Brae and Dunrossness)
Shetland Sub-Divisional Headquarters: 1 (Lerwick)

Police manpower:

1971	1976	1978	1980	1981
21	28	42	46	45

Number of Crimes and Offences reported to the police:

	1972	1976	1979
Class 1: Crimes against the person	17	16	77
Class 2: Crimes against property with violence	25	43	46
Class 3: Crimes against property without violence	97	177	189
Class 4: Malicious injury to property	3	32	48
Class 5: Forgery and currency crimes	0	0	1
Class 6: Others not included in above	4	11	58
Class 7: Miscellaneous (Road Traffic, Litter, etc.)	432	1095	1751
Total:	578	1374	2170

The classification of crimes and offences was changed nationally with effect from January 1980. The Northern Constabulary has, with difficulty, been able to re-classify most of the statistics relating to crimes and offences reported to the police for 1979, and the resultant conversion means that the 1979 figures differ from those printed above.

Number of Crimes and Offences reported to the police (new classification):

	1979	1980	1981
Group 1: Non-sexual crimes against the person	65	72	24
Group 2: Crimes involving indecency	14	2	12
Group 3: Crimes involving dishonesty	297	392	352
Group 4: Fire-raising, malicious & reckless conduct	106	149	126
Group 5: Other crimes	73	112	83
Group 6: Miscellaneous	456	498	422
Group 7: Offences relating to motor vehicles	1159	1124	874
Total:	2170	2349	1893

Life-boat

Supported entirely by voluntary subscriptions, the Royal National Life-boat Institution operates 2 Life-boat Stations in Shetland: Lerwick and Aith.

Life-boats

	Lerwick Station	Aith Station
Name	<i>Soldian</i>	<i>John & Frances MacFarlane</i>
Type	Arun Class	Barnet
Capacity for survivors	200	100
No. of crew	6	7

No. of launchings and persons rescued by Lerwick and Aith RNLI:

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Launchings:	9	9	10	6	10	14	6	14	10	17
Persons rescued:	1	13	11	0	6	8	8	0	14	6

Postal Services

Number of P.O. employees:	1972	1977	1980	1981
Head Postmaster	1	1	1	1
Assistant Head Postmaster	1	1	1	1
Postal Executives	3	3	3	3
Postal Officers	13	12	14	14
Postmen Higher Grade	3	3	3	3
Postmen (Full-time)	42	46	47	49
Postmen (Part-time)	41	23	23	21
Sub-Postmasters	59	56	56	55
P.O. Garage Staff	n/a	8	8	9
Other	2	2	2	2
Letters and parcels:				
Letters delivered (weekly)	61887	n/a	n/a	n/a
Letters posted (weekly)	49866	52602	68600	69400
Parcels delivered (weekly)	3314	n/a	3979	n/a
Parcels posted (weekly)	2103	1813	1684	n/a

Telecommunications

Number of British Telecom Scotland employees:

	1977	1980	1981
Telephonists:	35	37	31
Engineers:	52	74	74

Number of telephone connections (December of each year):

	1971	1976	1980	1981
Unst	143	184	295	308
Yell	174	235	344	367
Fetlar	21	30	35	36
Northmavine	129	174	239	264
Delting	147	290	1014	1070
Walls & Sandness	129	162	235	247
Sandsting & Aithsting	175	220	283	284
Nesting & Lunnasting	81	107	157	168
Whalsay	194	267	317	321
Skerries	23	30	31	34
Tingwall	335	513	705	723
Bressay	56	78	105	107
Burra	132	193	239	257
Dunrossness	405	696	1035	1061
Lerwick	1275	2045	2919	3078
Total:	3419	5224	7953	8325

Number of telephone calls by Shetland telephone users:

	Trunk Calls	IDD Calls
1981	3,418,300	37,438
1980	3,619,200	42,490
1976	1,033,900	0
1970	283,700	0

Number of other telecommunications installations in Shetland:

	Telex	Datel
1981	102	8
1980	103	8
1976	59	0
1970	5	0

Number of television licences:

	Dec. 1970	Dec. 1976	Dec. 1979	Sept. 1981
Mono	4574	5399	2170	1430
Colour	0	64	4100	5217
Total:	4574	5463	6270	6647

Electricity

Number of consumers connected by area (December 31 each year):

	1971	1976	1980	1981
Burra/Trondra	259	330	361	378
Bressay	110	133	177	179
Unst	317	412	458	461
Whalsay	250	305	359	362
Yell	409	460	573	573
Lerwick	2794	3208	3474	3517
Scalloway	407	468	486	494
South Mainland	947	1210	1396	1465
West Mainland	910	1090	1175	1178
North Mainland	766	1013	1485	1538
Fetlar	—	—	—	66
Total:	7169	8629	9944	10211

Breakdown into categories:

	1971	1976	1980	1981
Domestic	6019	7338	8479	8726
Farms	41	44	46	47
Public Lighting	7	11	30	33
Shops	214	220	259	260
Offices	66	69	81	90
Public Buildings	30	30	35	40
Hotels & Boarding Houses	19	22	22	22
H.M. Forces	3	4	4	4
Other Commercial & Public	702	818	914	915
Water, Gas & Drainage	8	9	10	10
Factories & Workshops	60	64	64	64
Total:	7169	8629	9944	10211

Electricity generation:

	1971 (1.1.71-31.12.71)	1980/81 (1.4.80-31.3.81)	1981/82 (1.4.81-31.3.82)
Units generated (kilowatt hours)	32,319,000	143,539,222	146,122,719
Maximum demand (megawatts)	11.69	36.00	32.3

	1971	1980	1981
33,000 volt overhead lines (kilometres)	24.70	98.02	100.22
33,000 volt underground cables (kilometres)	0.00	3.74	3.74
11,000 volt overhead lines (kilometres)	705.90	756.17	772.911
11,000 volt underground cables (kilometres)	15.10	65.48	68.073
Low voltage overhead lines (kilometres)	340.10	345.62	345.62
Low voltage underground cables (kilometres)	18.90	65.59	70.905

Cost of Living

Indices	Feb 1979	Nov 1979	2nd & 3rd	Nov	
			Quarters 1980	1981	
Shetland	Lerwick	107.5	108.6	107.8	112.1
	Remote	111.4	115.8	117.4	119.5
	Village 1	113.1	114.1	114.5	115.3
	Village 2	—	116.6	114.4	120.0
	Village 3	—	114.0	115.7	119.6
Rural Average	105.7	109.7	109.6	112.1	
Aberdeen	100	100	100	100	

The indices are calculated from information collected on the price of food, housing, transport, services and other goods in various locations in rural Scotland, Aberdeen being used as the basis for comparison.

Further information on the methods used to calculate the indices and on the results from other areas can be obtained from the Institute for the Study of Sparsely Populated Areas, University of Aberdeen, to whom we are grateful for their permission to reproduce the above information.

Community Councils

COMMUNITY COUNCIL CLERKS:

Aithsting & Sandsting	(Mrs.) Laurena Fraser, West Burrafirth, Bridge of Walls.
Bressay	(Mrs.) Kathleen Manson, Uphouse, Bressay.
Burra & Trondra	(Mrs.) W. Inkster, Bon-Abri, Hamnavoe.
Delting	Alan Lovett, 10 Roebrek, Brae.
Dunrossness	John A. F. Smith, Hayhoul Place, Bigton.
Fetlar	(Mrs.) Loretta Borthwick, Schoolhouse, Fetlar.
Gulberwick, Quarff & Cunningsburgh	Robert Jarmson, Meal, Cunningsburgh.
Lerwick	VACANT
Nesting & Lunnasting	(Mrs.) Elizabeth Manson, 2 Bellevue Park, Lerwick.
Northmavine	(Mrs.) T. A. Manson, Urafirth, Heylor.
Sandness & Walls	(Mrs.) Laurena Fraser, West Burrafirth, Bridge of Walls.
Sandwick	(Mrs.) Rosemary Inkster, Taralea, Hoswick.
Scalloway	(Mrs.) M. Irvine, Hillside, Port Arthur, Scalloway.
Unst	(Mrs.) Jean Ritch, Janefield, Baltasound, Unst.
Whalsay & Skerries	Henry A. Stewart, 2 Gardentown, Symbister, Whalsay.
Whiteness, Weisdale & Tingwall	(Mrs.) Sandra Cumming, Garths, Girlsta.
Yell	Derek A. Rushton, Stonganess, Cullivoe, Yell.

Electoral Statistics

JUNE 1979

European Assembly Election result in the Highlands & Islands constituency:

Winifred Ewing (SNP)	39,991
Russell Johnston (Lib.)	36,109
Michael Joughin (Con.)	30,776
Jack Watson (Lab.)	10,846
SNP maj.	3,882
Total electorate: 298,802 (Shetland: 14,930)	

MAY 1979

General Election result in the Orkney & Shetland Parliamentary constituency:

Rt. Hon. Jo Grimond (Lib.)	10,950
Charles Donaldson (Con.)	4,140
Robina Goodlad (Lab.)	3,385
Michael Spens (SNP)	935
Lib. maj.	6,810
Total electorate: 28,892 (Shetland: 14,917; Orkney: 13,975)	

MARCH 1979

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

No	5,466
Yes	2,020
maj.	3,446
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
maj.	8,134
Total electorate (Shetland): 14,244	

JUNE 1975

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

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

Shetland Islands Council

MEMBERS (May 1982-May 1986)

Ward	Councillor
1. Lerwick Sound	John J. Graham, 26 King Harald Street, Lerwick.
2. Lerwick Clickimin	Dr. Thomas M. Y. Manson, 93 Gilbertson Road, Lerwick.
3. Lerwick North	Leonard G. Groat, 10 Voderview, Lerwick.
4. Lerwick Central	William A. Smith, 14 Bruce Crescent, Lerwick.
5. Lerwick Harbour	Edward Thomason, 6 Mounthooly Place, Lerwick.
6. Lerwick Twageos	Alexander J. Cluness, 5 Twageos Road, Lerwick.
7. Lerwick Breiwick	John L. W. Eunson, 77 Gilbertson Road, Lerwick.
8. Unst	Alan B. Fraser, Lower Crosbister, Westing, Uyeasound, Unst.
9. Yell North & Fetlar	David J. Johnson, Moreview, North Sandwick, Gutcher, Yell.
10. Yell South ...	Robert S. Gray, Sunnylea, Burravoe, Yell.
11. Northmavine ...	Christopher J. Dowle, Ronas Voe, Ollaberry.
12. Delting North	VACANT
13. Delting South	Dr James A. Hunter, Kohima, Gott.
14. Nesting & Lunnasting	Peter B. A. Hunter, Billister, Brettabister, Nesting.
15. Bressay ...	James C. Irvine, 20 Twageos Road, Lerwick.
16. Scalloway ...	William A. Anderson, East Voe, Scalloway.
17. Tingwall, Whiteness & Weisdale	Cecil R. H. Eunson, Caravan, Burnbank, Whiteness.
18. Whalsay & Skerries	Henry A. Stewart, 2 Gardentown, Symbister, Whalsay.
19. Sandsting & Aithsting	Alexander I. Tulloch, Reawick House, Reawick.
20. Walls & Sandness	Gordon A. Walterson, Norby, Sandness.
21. Gulberwick, Quarff & Cunningsburgh	(Mrs.) Joan McLeod, 1 Laxdale Road, Cunningsburgh.
22. Burra & Trondra	William A. Cumming, Bonnieview, Southerhouse, Hamnavoe.
23. Sandwick ...	Malcolm S. Bray, Evrigarth, Sandwick.
24. Dunrossness North	William Tait, Bonavista, East Ireland, Bigton.
25. Dunrossness South	Raymond R. Bentley, 2 Hestingott, Virkie.

COMMITTEES

Convener: Alexander I. Tulloch
Vice-Convener: Edward Thomason

Committee	Chairman
Chairmens	Alexander I. Tulloch
Development, Leisure and Recreation	Alexander J. Cluness
Education	William A. Smith
Environmental Health and Control	Christopher J. Dowle
Housing	William A. Cumming
Policy	Alexander I. Tulloch
Ports and Harbours	David J. Johnson
Resources	Edward Thomason
Social Work	(Mrs.) Joan McLeod
Transport and General Services	James C. Irvine

DEPARTMENTS

Chief Executive	Ernest Urquhart, Town Hall, Lerwick.
Department Administration	Director and Address Patrick Regan, Quendale House, 31 Commercial St., Lerwick.
Construction Design & Technical Services	William Smith, Grantfield, Lerwick.
Education	Bryan Davison, 92 St. Olaf Street, Lerwick.
Finance	Robin Barnes, Brentham House, Harbour St., Lerwick.
Leisure & Recreation	Christopher Ennis, 4 Market Street, Lerwick.
Personnel	John Nicolson, Hillhead, Lerwick.
Ports & Harbours	Personnel Manager, 42 King Harald St., Lerwick. Albert Flett, Port Administration Buildings, Sella Ness, Sullom Voe. Gordon Mann, Esplanade, Lerwick.
Planning	Douglas Smith, 3 Commercial Road, Lerwick.
Protective Services & Housing	John Burgess, 93 St. Olaf Street, Lerwick.
Research & Development	Peter Malcolmson, 64 St. Olaf Street, Lerwick.
Social Work	

FINANCE

Revenue and Capital Estimates	1981/82	1982/83		
Net Expenditure	(Net) Revenue £000	Revised Capital £000	(Net) Revenue £000	Estimated Capital £000
Education	11091	3639	12434	4122
Highways	4480	4149	5640	4602
Housing	772	2751	986	3888
Leisure & Recreation	1007	37	1112	34
Lighting	93	10	97	13
Miscellaneous Services	2604	75	2866	190
Planning	186	—	204	—
Police and Fire	2668	—	836	—
Protective Services	171	243	157	149
Research & Development	1141	—	1237	—
Sewerage	716	350	837	300
Social Work	1776	133	2006	342
Transport Ferries	1144	733	1465	300
Transport Other	338	518	400	151
Water	575	290	697	602
Ports & Harbours	—	3488	—	2263
Contingency	—	—	5538	—
Total:	28762	16416	36501	16956

SOURCE OF FINANCE:	1981/82 £000	1982/83 £000
Rate Support Grant	9007	10281
Charged to Rates	19755	26220
Total:	28762	36501

Capital Expenses are financed initially by borrowing which is repaid over a period of years.

Rating and Valuation

	Rate per £					Total Rateable Value
	Non-Domestic		Domestic		Water	
	Town	County	Town	County		
1970/71	30/4	25/- to 28/-*	27/-	21/8 to 24/8	4/-	162,233
1971/72	81p	77 to 96p	70p	66 to 85p	14p	235,641
1972/73	67p	57 to 81p	55p	45 to 69p	15p	243,699
1973/74	67p	57 to 62p	52p	42 to 47p	16p	266,857
1974/75	77p	67 to 72p	60p	50 to 55p	16p	281,102
1975/76		99p		78p	18p	396,476
1976/77		140p		113p	20p	463,641
1977/78		161p		130p	25p	584,996
1978/79		45p		42p	10p	6,234,214
1979/80		50p		47p	11p	15,529,780
1980/81		75p		72p	14p	25,311,238
1981/82		79p		76p	10p	31,129,489
1982/83		95p		92p	10p	32,648,559

*Before amalgamation, rate per pound varied from district to district; highest and lowest values for each year are given here.

Revaluations: 16th May, 1971; 1st April, 1978.

Bibliography

The following publications are only some of the many available on the Shetland Isles:

- E. Balneaves: *The Windswept Isles*, £9.00.
 R. J. Berry & J. L. Johnston: *The Natural History of Shetland*, £8.50.
 Dave Butler: *Isle of Noss Guide*, £1.90.
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