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SHETLAND in STATISTICS

No. 9

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List of Contents

Physical	Physical Characteristics	2
	Climate	3 - 4
Economic	Fishing & Fish Processing	5 - 7
	Agriculture	8 - 9
	Knitwear	9
	Tourism	10
	Oil & Oil Related Activity	11 - 22
Transport	Internal Transport	23
	Ferries	24
	Lerwick Harbour	25
	Small Airfields	26
	Vehicle Ownership	26
Social	Population	27 - 28
	Housing	28
	Crime	34
	Unemployment	34
Services	Education	29 - 30
	Health Board	30
	Postal Services	30
	Telecommunications	31
	Electricity	32
	Fire Service	33
	Lifeboat	33
Miscellaneous	Cost of Living	35
	Community Councils	35
	Electoral Statistics	36
Shetland Islands Council	Members	37
	Committees	37
	Departments	38
	Finance	38
	Rating & Valuation	39
Map of Central Lerwick		20 - 21

Physical Characteristics

Total area of Shetland: 552 sq. miles

Area of principal islands:

Mainland	351 sq. miles	Skerries	1 sq. mile
Unst	47 sq. miles	Burra	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

Total length of coastline: approx. 3,000 miles.
Number of islands: 100+
Number of inhabited islands: 16.
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	29	Ulsta	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 surface 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

Climate

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

Meteorological Office employment – 1971: 23 + 4 ancillary
1979: 31 + 2 ancillary

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 1979, incidentally the coldest and wettest year since observations began, are as follows:

Temperature (degrees C)

	1979 monthly mean		1941-70 monthly mean		Extreme daily values (1922-1979)	
	Max.	Min.	Max.	Min.	Max. (Year)	Min. (Year)
Jan	+ 2.7	− 0.8	+ 4.7	+ 1.3	+11.7 ('32, '50)	− 8.9 ('52, '59)
Feb	+ 2.6	− 0.6	+ 4.7	+ 0.9	+11.7 ('45)	− 7.2 ('47, '55)
Mar	+ 4.4	+ 0.6	+ 5.8	+ 1.8	+13.3 ('61)	− 8.3 ('47)
Apr	+ 6.8	+ 3.1	+ 7.9	+ 2.9	+16.1 ('42)	− 5.7 ('68)
May	+ 7.8	+ 3.6	+10.1	+ 5.1	+19.4 ('54)	− 2.8 ('23)
Jun	+11.5	+ 7.6	+12.5	+ 7.6	+23.3 ('58)	− 0.6 ('24, '29, '31, '51)
Jul	+12.3	+ 8.5	+14.0	+ 9.3	+22.8 ('26, '58)	+ 3.3 ('21)
Aug	+12.9	+ 8.7	+14.1	+ 9.6	+20.6 ('38, '47)	+ 1.7 ('21)
Sep	+11.4	+ 7.4	+12.6	+ 8.5	+19.4 ('53)	− 0.6 ('54)
Oct	+ 9.7	+ 7.4	+10.2	+ 6.7	+17.2 ('55)	− 3.3 ('48)
Nov	+ 6.7	+ 2.9	+ 7.3	+ 4.4	+13.9 ('46)	− 5.7 ('62)
Dec	+ 5.2	+ 2.5	+ 5.6	+ 2.4	+12.2 ('48)	− 8.3 ('61)
Year	+ 7.8	+ 4.2	+ 9.1	+ 5.0		

Number of days in 1979 with:

	Snow or Sleet	Air Frost	Thunder	Gales	Thick Fog	Rain
Jan	26 (15.0)	17 (11.0)	0 (0.3)	2 (8.5)	0 (1.8)	29 (25)
Feb	14 (13.0)	17 (12.0)	1 (0.7)	5 (5.7)	0 (2.0)	17 (21)
Mar	24 (12.0)	11 (8.8)	1 (0.3)	12 (7.4)	0 (2.6)	26 (21)
Apr	6 (6.9)	2 (5.7)	0. (0.1)	1 (2.2)	1 (5.0)	26 (20)
May	8 (2.5)	5 (1.0)	0 (0.1)	2 (1.5)	6 (6.3)	25 (17)
Jun	0 (0+)	0 (0.1)	0 (0.3)	0 (1.3)	18 (7.7)	19 (16)
Jul	0 (0.0)	0 (0.0)	0 (0.3)	0 (0.6)	11 (6.9)	21 (17)
Aug	0 (0.0)	0 (0.0)	0 (0.3)	0 (0.5)	7 (6.9)	19 (17)
Sep	1 (0+)	0 (0.0)	0 (0.2)	6 (2.5)	6 (6.0)	26 (20)
Oct	0 (1.1)	0 (0.6)	0 (0.3)	3 (5.5)	7 (3.6)	19 (23)
Nov	12 (7.0)	5 (4.9)	2 (0.7)	10 (5.0)	0 (0.7)	25 (25)
Dec	13 (13.0)	7 (8.8)	1 (0.3)	12 (7.8)	0 (1.6)	27 (26)
Year	104 (70.5)	64 (52.9)	5 (3.9)	53 (48.5)	56 (51.1)	279 (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)		
	1979 totals		Extreme daily totals	1979 totals		Extreme daily fall
Jan	16.1	(25)	6.6 ('39)	5.25	(5.04)	1.70 ('37)
Feb	62.2	(54)	9.8 ('40)	2.15	(4.13)	1.83 ('51)
Mar	91.3	(86)	11.6 ('64)	6.91	(3.66)	1.84 ('52)
Apr	105.1	(137)	14.8 ('26)	5.04	(2.72)	1.46 ('40)
May	117.7	(157)	16.2 ('40, '57)	4.61	(2.52)	1.96 ('66)
Jun	122.7	(152)	17.4 ('34)	3.50	(2.64)	1.25 ('54)
Jul	96.2	(131)	16.6 ('35)	2.93	(2.68)	3.70 ('35)
Aug	93.1	(116)	15.1 ('28)	5.16	(2.95)	1.85 ('45)
Sep	105.6	(99)	13.0 ('24)	7.09	(4.29)	2.00 ('54)
Oct	41.3	(62)	10.1 ('37)	4.39	(4.84)	1.33 ('28)
Nov	48.7	(33)	6.8 ('61, '67)	7.86	(5.08)	2.81 ('49)
Dec	17.9	(15)	5.1 ('57)	6.18	(5.59)	1.78 ('51)
Year:	917.9	(1,067)		61.07	(46.14)	

Figures in brackets are 1941 - 1970 averages.
Extreme daily totals are over the years 1921 - 1979.

Wind Speed (Knots)

	Monthly mean		Max. hourly mean speed 1921-1979				Highest Gust 1921-1979			
	1979	1941-1970	1979		Dir	Year	1979		Dir	Year
Jan	15.0	(17.0)	38	(64	010°	'53)	64	(95	220°	'61)
				(64	220°	'61)				
Feb	16.1	(15.9)	35	(56	220°	'57)	56	(83	280°	'43)
								(83	220°	'57)
Mar	19.0	(16.1)	39	(53	240°	'67)	69	(77	240°	'67)
Apr	13.0	(14.2)	33	(55	250°	'57)	56	(78	250°	'57)
May	14.1	(12.4)	37	(43	230°	'58)	49	(65	240°	'56)
Jun	12.3	(11.9)	28	(42	260°	'55)	42	(61	260°	'55)
Jul	11.5	(11.3)	31	(40	030°	'40)	42	(61	290°	'64)
Aug	10.8	(10.9)	30	(49	240°	'23)	43	(69	240°	'23)
Sep	16.1	(13.1)	37	(59	210°	'78)	58	(87	270°	'63)
Oct	17.4	(15.1)	36	(58	230°	'65)	58	(82	230°	'65)
Nov	15.2	(15.4)	45	(51	220°	'38)	64	(80	280°	'36)
				(51	240°	'73)		(80	220°	'38)
Dec	19.3	(16.8)	54	(58	240°	'36)	76	(90	220°	'56)

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

Fisheries

Fish landed in Shetland by UK vessels, 1979:

	White Fish		Shellfish	
	Tonnes	£	Tonnes	£
January	743.64	197216	58.38	36731
February	979.21	291127	174.04	94423
March	830.74	271386	115.98	59720
April	946.30	282362	154.38	83921
May	701.89	230603	86.15	51493
June	580.28	218428	75.94	39290
July	723.12	234719	102.55	46740
August	921.94	278231	36.57	12502
September	745.02	230703	43.43	13505
October	846.78	288164	132.28	36711
November	1304.58	407677	207.47	47422
December	352.23	108507	27.88	7193
Totals:	9673.88	3,039,123	1215.05	529,651
1978	10575.42	2,988,385	644.74	225,081
1977	13297.96	3,771,458	590.75	199,705
1976	13456.77	2,587,548	588.08	202,339

Industrial Landings:

	Norway Pout		Sand Eels	
	Tonnes	£	Tonnes	£
January	1140.94	33639	0	0
February	980.63	28956	0	0
March	0	0	0	0
April	0	0	894.57	17610
May	0	0	2984.97	73422
June	0	0	3906.87	82361
July	0	0	2412.96	57604
August	166.22	3879	2517.61	51362
September	331.52	8159	648.70	14026
October	188.06	6479	25.91	738
November	134.41	3947	0	0
December	73.56	2172	0	0
Totals:	3015.34	87,231	13391.59	297,123
1978	5494.29	172,471	27930.41	804,015
1977	4104.63	152,899	21760.20	814,722
1976	11282.88	349,424	18548.24	515,398

Other fish landed:

		Tonnes	£
Mackerel	1979	1154.39	94,441
	1978	1099.77	91,770
	1977	2062.88	139,073
	1976	775.04	38,623
Sprats	1979	206.00	22,950
	1978	949.61	53,226
	1977	2426.38	132,525
	1976	973.86	64,895
Total (all species)	1979	28688.25	4,071,287
	1978	46378.33	4,363,383
	1977	46660.52	5,585,414
	1976	49634.66	4,219,470

Included in the 1979 White Fish total:

Cod	448.74	192,392
Haddock	2237.31	868,634
Whiting	6233.98	1,750,611

Weight and Value of Catch by Method:

	Tonnes	£
Seine Net	5207.81	1,571,522
Industrial Trawl	16550.09	430,899
Motor Trawl	4236.11	1,389,533
Pair Trawl (White Fish)	86.21	29,205
Purse Seine	1120.20	87,776
Single Boat Pelagic Trawl (Sprats)	29.93	1,088
Two Boat Pelagic Trawl (Sprats)	176.18	21,862
Great Line (Skate, Halibut, etc.)	5.70	2,641
Small and Hand Lines (Mackerel)	62.49	7,020
Shellfish	1215.05	529,651

Landings at Shetland by Foreign Vessels:

2829.00 tonnes value £241,397

Of this total, 35.41 tonnes, value £9274 were for consumer purposes.

Landings at Scottish ports by Shetland Vessels:

10504 tonnes value £1,565,329

Landings elsewhere by Shetland Vessels (majority Cornwall):

13068 tonnes value £1,090,099

Number of fishing vessels in Shetland:

1979	110	1974	146
1978	123	1973	144
1977	134	1972	142
1976	137	1971	136
1975	142		

Distribution of vessels by district, 1979:

District	Purse-seiners	Trawlers/ Seiners over 50'	Vessels 35'-50'	Vessels 20'-35'	Total
Whalsay	6	14	1	4	25
Burra	1	13	3	6	23
Scalloway	0	4	5	2	11
Yell	0	0	4	5	9
Lerwick	0	3	4	0	7
Skeld	0	1	0	3	4
Skerries	0	1	1	1	3
Northmavine	1	1	0	0	2
Other	0	0	4	22	26
Totals:	8	37	22	43	110

Fish Processing

10 firms are engaged in fish processing in Shetland with 12 separate factories. There are 9 white fish processing lines, 3 herring lines, 2 meal plants, 2 shellfish processing lines and one crab cannery.

Statistics for the industry are not easily established, but turnover is estimated to be from £8 - £10 million in 1979.

Employment in the Shetland fishing industry:

	Catching	Processing	Ancillary	Total
1979	584	504	319	1407
1978	654	585	232	1471
1977	649	718	247	1614
1976	652	833	225	1710
1975	653	877	227	1757
1974	685	945	230	1860
1973	664	980	218	1862
1972	671	1007	196	1874
1971	636	967	178	1781

1 tonne: 19.685 cwt. (approx.)

Agriculture

	1971	1976	1978	1979
Land Use:				
tillage	1410.0	1221.4	1131.2	1067.9 ha
grassland and crops	8407.6	8766.0	8424.6	8362.5 ha
rough grazing (including common grazing)	128841.5	133888.9	132403.5	132459.2 ha
woodland	15.0			
roads, buildings, etc.	162.3			
number of holdings	2532	2353 + 93 (+ 93 common grazings)	2234 + 93	2239 + 93
total area rented	38130.3	37271.0	34254.4	36150.6 ha
total area owned	28160.8	29566.3	31185.1	29723.9 ha
total area rented/owned (excluding common grazings)	66291.1	66837.8	65439.5	65874.5 ha
Area under crops:				
grass (other than rough grazing)	6997.6	7544.9	7293.3	7294.5 ha
barley	21.5	22.7	41.0	64.9 ha
oats	835.3	517.6	438.5	373.0 ha
turnips and swedes	134.3	121.6	113.3	99.1 ha
kale and cabbage	73.1	47.7	47.2	40.8 ha
potatoes	256.3	259.9	251.9	239.7 ha
rape	48.1	26.7	23.9	20.9 ha
other crops	17.4	14.0	12.1	12.5 ha
Livestock:				
beef cows and heifers	2492	2600	2431	2162
dairy cows and heifers	791	679	651	673
total cattle	6945	6988	6417	5951
total sheep	264779	284585	277775	274415
pigs	9	39	41	35
poultry	12950	10286	8893	8734
ponies	c.1000	c.1000	c.1000	c.1000
sheep slaughtered	8417	11440	9683	6700
cattle slaughtered	485	136	131	157
pigs slaughtered	0	0	11	10
sheep exported	43464	49687*	56982*	49099*
cattle exported	1947	2660*	2813*	2650*
ponies exported	417	618*	568*	531*
Milk:				
dairy units	23	22	22	21
milk production (estimated)	317550	362700	520000	419000 gals.
Employment:				
full-time farm staff	84	63	44	46
full-time occupiers	124	139	136	136
wives/husbands of occupiers (full and part-time)	252	327	301	294

Capital Improvement:				
a) Land improvement:				
Reclamation	n/a	21.7	15.4	10.5 ha
Regeneration	n/a	119.7	174.0	111.8 ha
Drainage	n/a	18471	22357	14561 metres
b) Grant-aided capital investment:				
New silos	n/a	8	0	4
Fanks and dippers	n/a	4	12	9
New byres	n/a	4	4	6
G.P. sheds	n/a	6	1	2
Slatted courts	n/a	2	2	2
Cubicle houses	n/a	0	2	0
New croft houses	n/a	0	17	11
Croft house improvements	n/a	n/a	n/a	5

During 1979 245.3 hectares of Scattald were apportioned following 22 applications. (1978: 183 hectares – 25 applications.)

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

Knitwear

Spinning mill new factory.

Statistics for the knitwear industry are very difficult to obtain and all figures produced here should be treated with extreme caution. Unless otherwise stated, all relate to 1977.

Size

The knitwear industry in Shetland currently consists of 22 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 £2 million per annum, though turnover figures are very difficult to obtain.

Employment

Survey

	Full Time	Part Time	Home Knitters
1971	234	111	2268
1977	155	71	2098

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.

Tourism

Estimated income from tourism (1979): £1.75 to £2 million.

Accommodation capacity available to Shetland Tourist Organisation by bed spaces:

Type of Accommodation	1976	1977	1978	1979	1980
Lerwick Hotels	149	149	149	154	104
Country Hotels	292	286	268	286	262
Lerwick B & B	206	152	152	140	126
Country B & B	154	186	158	147	165
Self Catering, cottages, etc	169	287	279	179	241
Caravans	106	188	175	97	145
Hostels	76	94	94	94	94
Totals:	1152	1342	1275	1097	1137

P&O Ferries Mini Cruise Passengers:				Cruise Liner Passengers:		
1976	1977	1978	1979	1977	1978	1979
1390	3904	4761	2985	2152	2725	5030

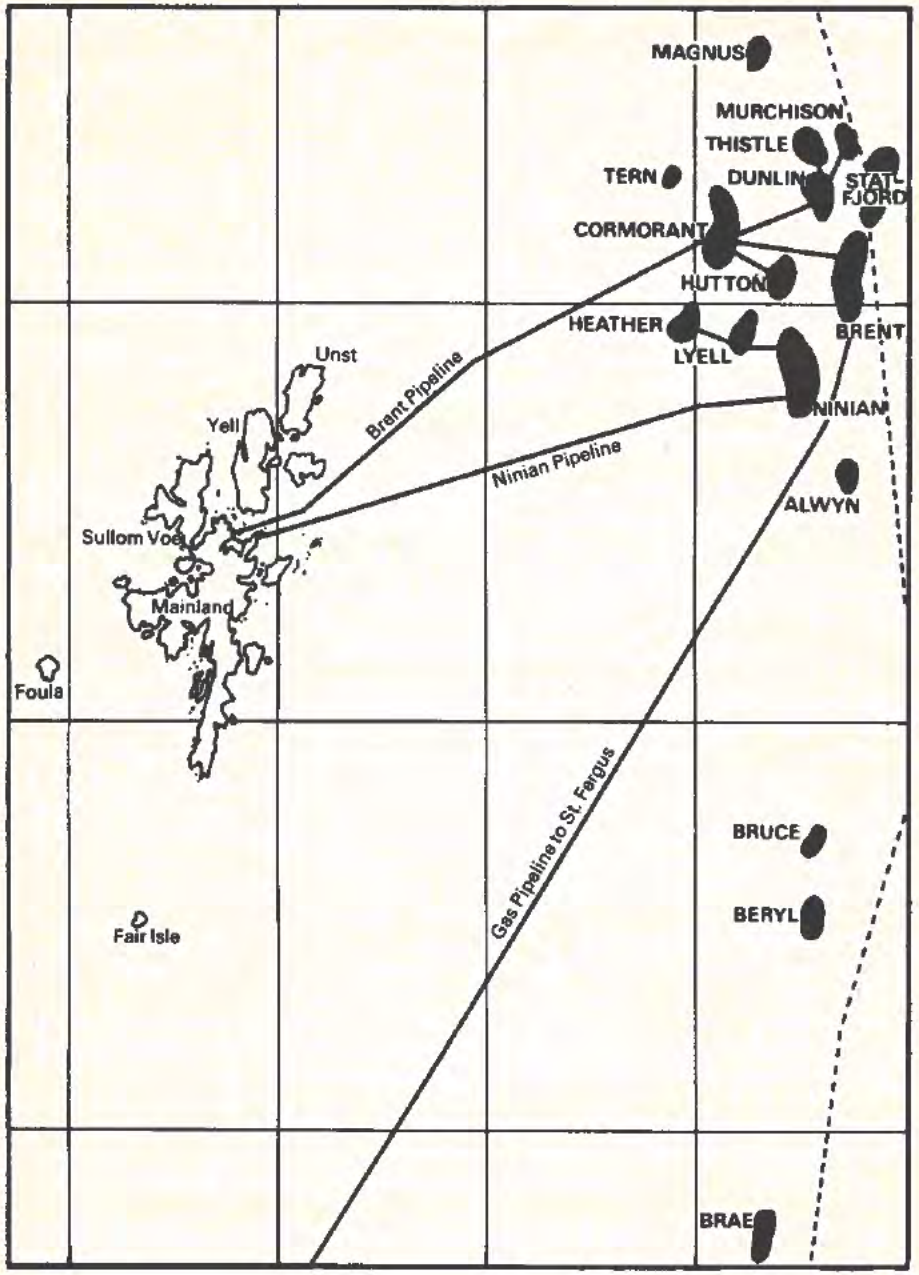
Visits to places of Interest:

	1977	1978	1979
Jarlshof	6342	n/a	n/a
Mousa	887	720	n/a
Noss	914	1020	824
Muness Castle	2550	2917	2394
Agricultural Museum, Tingwall	860	719	473
Shetland Croft House, Dunrossness	n/a	4000*	4000*

Origin of Enquiries, 1979:

Scotland	618	Belgium	72
England	2080	Other Continental	164
Ireland	55	Canada	40
Wales	74	America	81
France	138	Australia/NZ	11
Germany	195	Asia	2
Norway	18	Africa	7
Sweden	25		

*Estimate



Oilfields of the East Shetland Basin

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 east of Shetland.
	Nov 30	First oil shipped out from Sullom Voe by the Shell tanker *Donovania*.
	Dec 31	First oil arrived through the Ninian pipeline system at Sullom Voe, from the Heather Field.

1979 OFFSHORE HIGHLIGHTS

Month	Field	Occurrence
Jan	Thistle	Single Anchor Leg Mooring (SALM) offshore loading system damaged. Production diverted through Brent pipeline system to Sullom Voe.
Mar	Beryl	Conoco discover oil 5 miles SE of Beryl.
	Thistle	Damaged SALM removed to Norway and Holland for repair.
Apr	N. Cormorant	Shell/Esso given staged approval by Department of Energy to develop Block 211/21 at estimated cost of £700 million. Platform installation expected 1981; production 1982 via Brent pipeline system. Size of field estimated at 420 million barrels (bbls.) recoverable reserves; peak production 1986, 180,000 barrels per day (b.p.d.).

May	Ninian	Central platform started production.
Jul	NW Hutton	Amoco given approval by Department of Energy to develop Block 211/27. Platform installation expected 1981; production 1982 via Brent pipeline system. Size of field estimated 280 million bbls. recoverable reserves; peak production 100,000 b.p.d.
	Ninian	Northern platform deck lifted in two sections weighing 2,000 and 1,500 tonnes by Heerema barge *Balder:* first production expected 1980.
Aug	Murchison	Main platform structure weighing 25,000 tonnes, 544ft. high, successfully emplaced. 1980/81 production start up. Size of field estimated at 350/380 million bbls. recoverable reserves; peak production 130,000 b.p.d.
	Ninian	Southern and Central platforms producing oil at combined rates in excess of 200,000 b.p.d.
	Thistle	Main body of SALM re-installed but not operational.
Sep	N Beryl	Mobil submits £500 million development plan to Department of Energy. Estimated 250-300 million bbls. recoverable reserves. Mid 1982 platform installation; production 1983; peak production 80-85,000 b.p.d.
	Heather	Unionoil find oil 7½ miles SW of Heather Field on Block 2/5.
	Alwyn	Total find oil N. of Alwyn Field on Block 3/9.
Nov	Magnus	BP award jacket construction contract for 37,000 tonne, 692ft. high platform, part of £1.3 billion project. Platform installation spring 1982, production start up 1983 via Ninian pipeline system to Sullom Voe; 450-480 million bbls. recoverable reserves; peak production 120,000 b.p.d.
	Brent	Oil commences to be pumped to Sullom Voe via South Cormorant platform.
	Statfjord	First production from Statfjord 'A' platform. UK share 477 million bbls. recoverable reserves. 60,000 b.p.d. peak production.
	Murchison	Piling and grouting completed. First production expected end of 1980, via pipeline to Dunlin Field and then Brent system to Sullom Voe.
	NW Hutton	*Venture I* rig begins development drilling.
Dec	S Cormorant	First oil production starts via Brent system pipeline to Sullom Voe.

Dec	N Thistle	BNOC state appraisal drilling proved hydrocarbons not in sufficient quantity to be economic to develop at present.
	Central Cormorant	Shell submit underwater development programme to Department of Energy.

1979 DEVELOPMENT POSITION IN SHETLAND WATERS

1. **No. of named oilfields with development plans announced: 16**
   Beryl, Beryl B, Brent, Central Cormorant (otherwise known as Gannet), Cormorant, Dunlin, Frigg, Heather, Hutton, North West Hutton, Magnus, Murchison, Ninian, North Cormorant, Thistle, Statfjord.

2. **No. of fixed platforms installed: 19**
   Beryl 1, Brent 4, Cormorant I, Dunlin 1, Frigg 5, Heather 1, Murchison 1, Ninian 3, Statfjord 1, Thistle 1.

3. **No. of development wells required on fields with plans announced:**
   Approx. 500 (excluding Frigg and Statfjord).

4. **No. of named fields with no development plans announced: 5.**
   Alwyn, Eider, Lyell, Tern, Wendy.

5. **No. of un-named finds of interest: 8**
   9/13a - 20b; 9/19 - 5a; 9/18 - 3a; 3/9a - 4; 2/5 - 10; 211/13; 206/8; 3/28.

6. **No. of operating companies with licence block interests around Shetland: 28.**

1979 ONSHORE HIGHLIGHTS

Date	Facility	Occurrence
Ongoing	Marine	£4 million development at Lerwick Harbour, for fixed ro-ro berth and other facilities, begun 9 October 1978, continues.
Jan 20	Oil terminal	Formal opening of basic shipment and other facilities at Sullom Voe by Minister of State for Energy, J. Dickson Mabon, M.P.
Sep 3	Air services	Opening of Unst airport by Secretary of State for Energy, Rt. Hon. David Howell, M.P.
Sep 24	Oilfield services	Opening of Schlumberger Inland Services £1 million plus Lerwick base for equipment and servicing pertaining to oilfield well testing, reservoir interpretation.
Sep 28	Air services	Opening of new £16 million terminal building and other facilities at Sumburgh Airport by H.R.H. Princess Alexandra.
Nov 28	Oil port	Completion of first year of operation during which 249 tankers totalling 13,283,786 gross tonnes were used to export 17,246,965 tonnes crude oil from Sullom Voe.

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 N of Lerwick). Construction of facilities for a throughput of 826,000 b.p.d. began in February 1975. This throughput figure was upgraded to 1.39 million b.p.d. and subsequently in May 1978 to 1.41 million b.p.d., and the completion date of the terminal construction extended to 1982. The facilities include the following features:

(a) **Surface crude storage tanks:** 16 of these are being constructed. Tank capacity, 100,000 m^3 gross, approximately 90,000m^3 working: diameter; 76m: height; 22m (with floating roofs).

(b) **Ballast water storage tanks:** 4 tanks of 60,000m^3 working capacity will be built: diameter; 62m: height; 22m plus 1m wind skirt.

(c) **Power Station:** initially 125 megawatt capacity (5 × 25mw capacity).
Steam boilers: 2 × 75 tonne/hour package boilers.
5 × 110 tonne/hour waste heat boilers.

(d) **Process facilities:**
1 surge tank for Brent pipeline } each has a capacity of 200,000 bbls.
1 surge tank for Ninian pipeline }
5 stabilisation trains: each rated at 330,000 b.p.d.
6 high pressure compression trains.
5 low pressure compression trains.
2 refrigeration and fractionation trains.
1 spare refrigeration train.
2 gas and liquid drying trains.

(e) **LPG facilities:**
2 LPG chilldown trains.
5 fixed roof storage tanks: each has capacity of 30,000m^3

(f) **Flare system:** one 104m multiple flare stack on Hill of Garth; 5 minor 30m flares at surge tanks and LPG storage area.

(g) **Effluent treatment plant:** capable of treating an effluent throughput of 5,000m^3/hour. Facilities include 2 interceptors, 2 slop tanks, 5 sand filters, 2 emulsion break tanks.

Average oil density in water at outfall: 5/15 p.p.m.

(h) **Throughput of terminal:** approximately 800,000 b.p.d. by mid 1980. The first oil arrived in Sullom Voe from the Dunlin Field through the Brent pipeline system on 25th November 1978. The planned throughput of 1.41 million b.p.d. is not, however, expected until 1981. Until the processing facilities are operational, oil shipped through the pipelines is de-gassed offshore, and 'dead' crude is pumped through the pipelines and loaded by gravity feed into the tankers.

The Brent, Thistle, Dunlin, Cormorant, North West Hutton, Hutton, North Cormorant and Murchison fields will be linked into the Brent pipeline system to Sullom Voe. The total length of sub-sea pipeline laid, incorporating these links, is expected to be about 175 miles.

The Ninian and Heather fields have been linked into the 105 mile-long Ninian pipeline system to Sullom Voe. The Magnus field will be linked into the Ninian pipeline system in 1983.

Oil production through the Brent and Ninian pipeline systems

Pipeline system	Year	Cubic metres	Barrels	Tonnes
Brent	1979	12,323,566	77,552,205	10,381,127
	1978	1,015,565	6,390,950	855,106
Ninian	1979	10,116,821	63,665,158	8,566,998
	1978	108,103	680,292	91,779
Brent + Ninian	1979	22,440,387	141,217,363	18,948,125
	1978	1,123,668	7,071,242	946,885

(i) **Accommodation facilities:** 2 construction villages have been provided to accommodate the larger part of 6,300 construction workers now working at Sullom Voe.

The first village at Firth was completed in 1976 and houses some 1,150 workers. The second village at Toft was completed in 1978 and houses some 2,400 workers.

Planning provision for 2 accommodation vessels to be moored at Sullom Voe was agreed by the Shetland Islands Council in 1978. The first vessel, *Rangatira,* housing 340 construction workers was emplaced in October 1978, and the second vessel, *Stena Baltica,* of similar capacity, was emplaced by March 1979 in Garths Voe.

(j) **Harbour facilities:** these are controlled from a £1 million Port Administration building and communications centre. The main harbour facilities include:

Jetties: 1 construction jetty, used for the transportation of materials for the site development.

4 tanker loading jetties; three purely for the loading of crude oil, the fourth for the loading of oil or liquefied petroleum gas.

1 jetty used as a base for the tugs, pilot boats and other craft required for harbour operations.

Vessels: 4 tugs; three purpose built twin screw 3800 h.p. 55 ton bollard pull, 14 knot capacity; one chartered tug 2904 h.p. 38.6 ton.

2 pilot boats; one 52ft. o.a.l., service speed 16 knots; the other 65ft. o.a.l., service speed 20 knots.

3 mooring boats.

Oil Spills in Sullom Voe since terminal operations began (Nov. 1978): 8

Date		Amount	Type of oil	Source
30 Dec	1978	1174 tonnes	Bunker 'C'	Ship
20 Apr	1979	No quantity estimated	Dirty ballast	Ship
25 May	1979	50 gals.	Crude oil	Crude loading
1 Jul	1979	10 gals.	Crude oil	Ship
3 Jul	1979	100 gals.	Diesel	Ship
21 Aug	1979	1 tonne	Bunker 'C'	Ship
6 Nov	1979	3 gals.	Crude oil	Crude loading
4 Dec	1979	No quantity estimated	Diesel	Mavis Grind quarry

SULLOM VOE PORT OPERATIONS 1979

Imports	Tonnes	Main Commodities (tonnes)
Foreign	4,787.92	Misc. and non-metallic metal manufactures.
Coastwise	274,183.62	Petroleum (45094); non-metallic mineral manufactures (131563); cement (22499); misc. (56,500).
Total imports:	**278,971.54**	
1978:	338,279.59	

Exports	Tonnes	Main commodities (tonnes)
Foreign	13,355,545.41	Crude petroleum (13,355,244)
Coastwise	6,345,950.37	Crude petroleum (6,311,112); misc. manufactures (5560); empties (3910).
Total exports:	19,701,485.78	
1978:	787,099.68	

	1978	1979
Total throughput (Imports + Exports) (tonnes):	1,125,379.271	19,980,467.34

Tanker operations:

Year	No. of tankers loaded	Total oil exported (tonnes)
1979	270	18,678,324
1978	11	744,542

Port closure time, 1979: 57 days 8 hours 40 minutes (due to inclement weather conditions – mainly high winds.)

SULLOM VOE CONSTRUCTION JETTY THROUGHPUT*

	No. of vessels	Tonnage (tonnes)	Main commodities (tonnes)
1979	336	245,537	General cargo (83,781); sand (128,908); cement (26,218).
1978	430	365,066	General cargo (100,623); aggregate (76,094); sand (142,702); cement (43,451).
1977	348	242,294	General cargo (77,687); aggregate (81.088); sand (59,836); cement (16,059).
1976	105	44,689	General cargo (16,930); aggregate (14,347); sand (10,185).

Operating statistics:

1. Largest vessel berthing 1979: 3,000 ton dwt.
2. Jetty mean low water springs (draught): 19ft.
3. Jetty dimensions: approx. 300ft. long × 80ft wide.

2. MARINE SERVICE BASES

Total No. operational: 4 at Lerwick, 1 at Sandwick.

Base	Area (acres)	Berths available
BP	2¼	2
Norscot	40	9
Ocean Inchcape (Shetland) Ltd	14 (+12 acres on (option for open storage)	3
Shell	10	2
Hudsons Offshore (Sandwick)	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	1973	1974	1975	1976	1977	1978	1979
Lerwick	151	328	838	1581	1679	1724	1827	1531
Sandwick	0	34	110	99	114	53	27	32
Scalloway	32	1	16	7	16	40	25	7

Marine service base employment*

	1972	1973	1974	1975	1976	1977	1978*	1979*§
Employment	21	41	57	135	185	332	332	310

These figures include employees of Lerwick Harbour Trust – they do not include employees of base client companies.
Includes 220 local employees.
Includes 266 local employees.

3. AIR SERVICES

Passenger and aircraft movements throughout Shetland continued to expand in 1979, although a change in the distribution of these movements occurred at the airports most affected by oil developments: Sumburgh, Scatsta and Unst.

Oil related airport traffic (Sumburgh, Scatsta, Unst and Tingwall):

	1978	1979	% increase
Total aircraft movements	57,343	63,390	10.5
Total passengers	757,470	831,857	9.8

AIR SERVICES EMPLOYMENT*, 1979

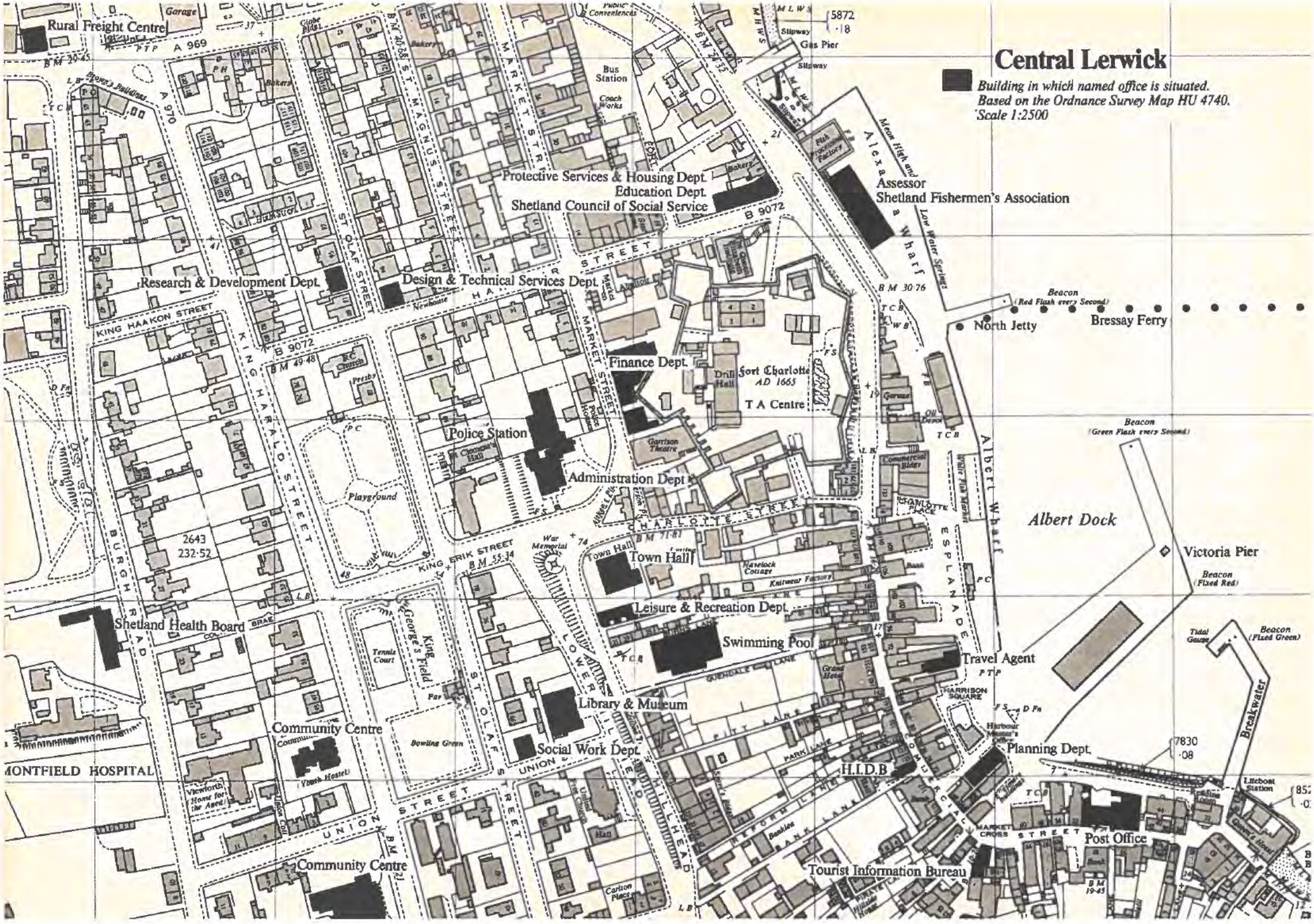
Airport	Total employees	Male	Female	% women	% local
Sumburgh	734	594	140	19.1	34.6
Tingwall	6	2.5	3.5	58.3	91.7
Scatsta	33	29.5	3.5	10.6	9.0
Unst	23	15	8	34.7	56.5

* 1 part-time job = 0.5 of full-time job.

SUMBURGH AIRPORT

Passengers

1979	Total passengers	Fixed Wing scheduled (external) passengers	Fixed Wing scheduled (internal) passengers	Charter passengers	Helicopter passengers
Jan	45574	5121	258	19615	20580
Feb	36930	5528	293	7332	23777
Mar	55821	6854	268	26484	22215
Apr	57437	7934	457	28917	20129
May	60422	7463	494	29315	23150
Jun	52505	7115	370	24565	20455
Jul	51611	8558	446	22083	20524
Aug	51686	9060	495	19033	23098
Sep	50298	7590	381	20301	22026
Oct	56806	7878	384	25472	23072
Nov	54316	6146	386	32884	14900
Dec	49040	5444	401	23907	19288
Totals:	622446	84691	4633	279908	253214
1978	685492	87145	3456	323151	271740
1977	404370	81952	2186	168107	152125
1976	250778	78059	595	84111	88013
1975	186319	73065	2460	64897	45897
1974	158253	62160	5520	52187	38386
1973	94312	48123	5491	21088	19610
1972	70589	41248	4623	13979	10739


Central Lerwick
Building in which named office is situated.
Based on the Ordnance Survey Map HU 4740.
Scale 1:2500
Rural Freight Centre
Garage
Public Conveniences
Bus Station
Coach Works
Gas Pier
Slipway
Fish Processing Factory
Assessor
Shetland Fishermen's Association
Alexandra Wharf
Low Water Springs
Protective Services & Housing Dept.
Education Dept.
Shetland Council of Social Service
Research & Development Dept.
Design & Technical Services Dept.
Finance Dept.
Drill Hall
Fort Charlotte
AD 1665
T A Centre
Police Station
Administration Dept.
Garrison Theatre
Commercial Bldgs
Albert Wharf
Albert Dock
Victoria Pier
Beacon
(Red Flash every Second)
Beacon
(Green Flash every Second)
Beacon
(Fixed Red)
Beacon
(Fixed Green)
North Jetty
Bressay Ferry
Breakwater
Tidal Gauge
Town Hall
War Memorial
Leisure & Recreation Dept.
Swimming Pool
Travel Agent
Grand Hotel
Harrison Square
Shetland Health Board
Tennis Court
King George's Field
Bowling Green
Library & Museum
Social Work Dept.
Community Centre
Community Centre
Montfield Hospital
Viewforth Home for the Aged
Ybank Hostel
Planning Dept.
H.I.D.B
Tourist Information Bureau
Post Office
Lifeboat Station
Harbour Master's Office
Havelock Cottage
Knitwear Factory
Bank
Garage
Presbytery
RC Church
Police Houses
St Clement's Hall
Playground
Newhouse
Market Cross
Carlton Place
Pirate Ship Hostel
Methodist Church
Hall
Bakery
PH
Chemist
Clothier
Tweeds
Knitwear
Gift Shop
Hairdresser
Boutique
Jeweller
Shoes
Newsagent
Stationer
Chemist
Bookshop
Butcher
Grocer
Supermarket
Off Licence
Cafe
Restaurant
Hotel
Bank
Building Society
Solicitor
Estate Agent
Insurance
Dentist
Doctor
Optician
Photographer
Florist
Antiques
Art Gallery
Museum
Library
Church
Hall
Car Park
Public Toilets
Taxi Rank
Bus Stop
Petrol Station
Garage
Workshop
Warehouse
Factory
Office
Flat
House
Shop
Pub

Aircraft Movements and Freight:

1979	Aircraft Movements			Freight
	Total	Fixed Wing	Helicopter	(kgs)
Jan	3950	1817	2133	370296
Feb	3234	1421	1813	319489
Mar	4291	1839	2452	268993
Apr	4266	1983	2283	240013
May	4483	2176	2307	268370
Jun	3707	1755	1952	199643
Jul	4098	1776	2322	211162
Aug	4075	1977	2098	241275
Sep	3850	1780	2070	235019
Oct	4085	1855	2230	306069
Nov	4137	1729	2408	320727
Dec	3595	1629	1966	293698
Totals:	47771	21737	26034	3274754
1978	50666	23843	26823	1950287
1977	38753	20257	18496	1815392
1976	25694	13030	12664	1574338
1975	22224	12647	9577	1101007
1974	16996	9723	7273	931327
1973	9114	5941	3173	590908
1972	6095	n/a	n/a	205303

TINGWALL AIRPORT TRAFFIC

	Passengers			Aircraft Movements		
	Total	Fixed Wing	Helicopter	Total	Fixed Wing	Helicopter
1979	8840	8716	124	2200	2096	104
1978	3666	3438	238	1442	1328	114

SCATSTA AIRPORT TRAFFIC

	Passengers*			Aircraft Movements		
	Total	Inwards	Outwards	Total	Fixed Wing	Helicopter§
1979	124512	62562	61950	6613	6109	504
1978	42601	20550	22101	1786	1786	0

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

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

UNST AIRPORT TRAFFIC

	Passengers			Aircraft Moven.ents		
	Total	Fixed Wing	Helicopter	Total	Fixed Wing	Helicopter
1979	76059	36362	39697	6806	3647	3159
1978	25711	14041	11670	2691	1758	933

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)
	SIC Vehicle Ferry	S	(457 × 18m)
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)
Fair Isle	Air	S	Rolled Gravel (Firm)
	Ferry Boat	S	(457 × 18m)
Papa Stour	Ferry Boat (P)	S&C	
Vaila	Ferry Boat (P)	C	
Foula	Air	C	Soft Gravel (457 × 18m)
	Ferry Boat	S	

P: Privately Owned S: Scheduled C: Charter

All internal air services are operated by Loganair Ltd.

Bus Services also operate from:

Lerwick to:	Sumburgh; Sumburgh Airport
	Sandwick
	Brae - Hillswick/North Roe
	Brae - Mossbank
	Weisdale - Skeld; Weisdale - Walls
	Voe - Toft (for Yell; Unst/Fetlar)
	Laxo (for Whalsay)
	Scalloway; Burra
	Lerwick Town Service
Yell:	Ulsta - Gutcher - Cullivoe
	Ulsta - Mid Yell - Westsandwick
Unst:	Belmont - Saxa Vord/Baltasound

Present Schedule of County Highways:

Principal Roads	123.89 miles
Other Class I Roads	16.68 miles
Class II Roads	100.45 miles
Class III Roads	104.42 miles
Unclassified Roads	180.90 miles
TOTAL:	526.34 miles

INTER-ISLAND FERRIES

Shetland Islands Council Ferry Traffic:

	1976		1977		1978		1979	
	No. of Veh.	No. of Pass.	No. of Veh.	No. of Pass.	No. of Veh.	No. of Pass.	No. of Veh.	No. of Pass.
Yell	33333	62626	35670	68963	36210	86789	37638	99007
Unst/Fetlar	16920	33460	17300	30733	19715	31397	19299	27959
Bressay	14817	71615	13877	71991	14100	75676	15691	78292
*Whalsay	10117	23110	14876	26777	17445	34631	16760	32501
§Skerries	—	—	—	430	—	606	—	n/a

*1976 Whalsay figures are from 8/2/76.
§Skerries: passenger ferry only.

EXTERNAL FERRIES

P&O Ferries Services:
Passengers* & accompanied cars:

	Passenger journeys§			Accompanied motor car journeys		
	1977	1978	1979	1977	1978	1979
Jan	1380	2043	2224	160	236	310
Feb	653	1067	978	77	165	139
Mar	1502	1647	1683	189	235	253
Apr	2162	1816	3100	246	306	513
May	2648	2487	2565	425	412	516
Jun	4545	4736	5257	738	792	824
Jul	7899	7831	8733	1030	1137	1267
Aug	7729	9128	10538	1060	1251	1523
Sep	3803	3855	3810	450	685	687
Oct	2297	2618	3829	381	467	606
Nov	1458	1665	2039	210	254	368
Dec	1468	2407	2067	198	358	384
Totals:	37544	41300	46823	5164	6298	7390

1971: 22693 passengers.
*Figures do not include Mini Cruise passengers.
§ Each passenger journey is counted as one-way (Aberdeen - Lerwick or Lerwick - Aberdeen).

Freight

Type of Freight	1978	1979
Groupage (tons)	35048	37095
Self-propelled commercial vehicles	3566	4495
Commercial trailers	2129	2668
Unaccompanied cars	1153	1377

SHIPPING IN LERWICK HARBOUR

	1971	1976	1978	1979
General	316	470	512	419
H.M. Ships	41	33	42	29
Oil	51	99	145	125
Oil Rig Tenders	79	1679	1827	1531
Other Vessels	448	736	641	486
British Fishing	1440	893	593	664
Foreign Fishing	1580	1357	473	429
Total All Shipping	3955	5267	4233	3683
Net Registered Tonnage	624233	1442672	1602245	1561122

Foreign Fishing Vessels:

Country	1971	1976	1978	1979
Bulgaria	0	0	1	1
Denmark	374	416	216	220
Faroe	242	203	52	48
Finland	6	7	0	0
France	16	11	13	17
Germany	3	4	5	7
Greenland	0	0	0	1
Iceland	215	86	1	6
Netherlands	12	13	2	5
Norway	551	524	170	122
Poland	1	37	4	0
Sweden	100	43	5	1
USSR	60	13	4	1
TOTALS:	1580	1357	473	429

Total tonnage handled, Lerwick Harbour (tonnes):

	1971	1976	1978	1979
General Cargo Imports	45760	147762	219962	206528
General Cargo Exports	48849	31997	49057	53417
Oil Related Imports	342	161454	219290	238358
Oil Related Exports	-	317884	265475	321518
TOTALS:	94951	659097	753784	819821

These figures do not include weight of containers.

Lerwick Harbour Trust Revenue:

1979	£1,619,509
1978	£1,397,243
1976	£975,461
1971	£49,525

SMALL AIRFIELD TRAFFIC 1979

Airfield	Passengers Total	Passengers Fixed Wing	Passengers Helicopter	Aircraft Movements Total	Aircraft Movements Fixed Wing	Aircraft Movements Helicopter
Skerries	90	90	0	60	60	0
Fetlar	106	106	0	n/a	n/a	0
Fair Isle	969	969	0	292	292	0
Foula	450*	450*	0	110	110	0
Whalsay	140*	140*	0	132	132	0

* Estimate

VEHICLE OWNERSHIP

Vehicles licensed in Shetland:

	Private cars & vans	Goods vehicles (incl. agricultural)	Buses & coaches	Motor-cycles	Misc.*	Total
1979	6465	816	169	516	888	8854
1978	5990	776	156	467	858	8247
1977	no census	–	–	–	–	–
1976	5076	640	171	397	826	7110
1975§	5000	650	n/a	n/a	1350	7000
1974	4510	650	148	312	780	6400
1973	4220	570	134	322	744	5990
1972	3940	470	n/a	n/a	1150	5560
1971	3600	440	138	350	652	5180
1970	3200	440	n/a	310	750	4700

1970-4 figures: local taxation office; vehicles licensed for one month in 3rd quarter of year (part sample).
1975-6 figures: local taxation office and DVLC, Swansea.
1978-9 figures: DVLC, Swansea, all vehicles licensed on 31 Dec.

* figures include buses & coaches and motorcycles in 1972 and 1975, and motorcycles in 1970.
§ figures rounded.

Population

The population of Shetland at the time of the 1971 census was 17,327. Since 1971 there has been no accurate assessment of the population, but an estimate can be obtained from the registrations under the National Health Scheme. In December 1978, the population was estimated as 21,350 persons and the increase up to December 1979 was as follows:

In-migrants	1602
Out-migrants	821
Migration balance	+ 781
Births	311
Deaths	202
Natural increase	+109
Total increase	+ 890

Sept 30 1980
22,719
Dec 31 1980
22,933

Population estimate December 1978: 21,350
Population estimate December 1979: 22,240
Population increase 1979: 4.2%

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

	1931	1951	1961	1971	1976	1978	1979
Unst	1341	1112	1151	1127	1056	1037	1027
Yell	1883	1483	1152	1143	1186	1185	1190
Fetlar	217	161	127	88	99	103	92
Whalsay	900	859	764	870	997	1005	1033
Skerries	110	127	108	100	93	91	95
Mavis Grind – North	1343	1054	816	696	710	741	742
Delting	958	863	701	674	1161	1615	2093
Nesting	822	563	434	380			
Tresta – Bridge of Walls	1562	1225	957	873	995	1042	1064
West of Bridge of Walls	884	687	561	483	546	560	573
Foula	118	75	54	33	36	41	40
Papa Stour	100	68	55	24	38	42	39
Whiteness/Weisdale Gott/Tingwall	1140	1604	1603	1671	881	986	1054
Scalloway	–	–	–	–	1080	1096	1133
Trondra	91	54	20	17	33	65	85
Burra	767	648	653	565	743	797	795
Lerwick	4221	5538*	5908	6127	6407	6885	7058
Bressay	452	335	269	251	294	307	320
Quarff/Gulberwick	1518	426*	385	171	225	261	280
Sandwick/Cunningsburgh	1507	1376	1172	1120	1105	1226	1215
Bigton Junction – South	1089	1021	858	848	1401	1630	1757
Fair Isle	108	73	64	65	76	79	76
Total population:	21421	19352	17812	17327	19159	20794	21761

Figures in cols. 1 - 4: Population Census.
Figures in cols. 5 - 7: Shetland Health Board (estimates).
* Boundary change.

Population breakdown by age and sex:

	1971			1979		
Age Group	Persons	Males	Females	Persons	Males	Females
0 - 4	1390	710	680	1823	962	861
5 - 9	1395	715	680	1834	972	862
10 - 14	1215	620	595	1873	1013	860
15 - 19	1135	585	550	1557	839	718
20 - 24	1125	610	515	1600	844	756
25 - 29	1095	565	530	1854	964	890
30 - 34	975	505	470	1984	1096	888
35 - 39	950	485	465	1441	819	622
40 - 44	920	475	445	1175	637	538
45 - 49	1080	565	515	1048	544	504
50 - 54	900	405	495	1008	524	484
55 - 59	1085	530	555	1041	504	537
60 - 64	1100	490	610	817	369	448
65 - 69	1020	440	580	962	438	524
70 - 74	795	345	450	879	364	515
75 - 79	560	205	355	627	241	386
80 - 84	365	120	245	346	110	236
85 +	220	60	160	242	54	188
Totals:	17325	8430	8895	22111	11294	10817

1971 figures: 1971 Census.
1979 figures: estimates from General Register Office for Scotland.

Housing

Housing Stock (occupied units, April each year):

Type	1971	1976	1978	1979	1980
Shetland Islands Council	1294	1919	2326	2470	2548
Private & Others	4378	4809	4923	5022	5465
Scottish Special Housing Assoc. ..	115	135	169	169	169
Totals:	5787	6863	7418	7661	8182

Improvement in housing conditions within Shetland:

	Number of Houses		
Date	Tolerable	Not Tolerable	Total
31.12.79	6531	1264	7795
31.12.78	6287	1304	7591
31.12.77	6056	1342	7398
31.12.76	5775	1397	7172
31.12.75	5269	1445	6704
31.12.74	4908	1539	6447

Number of houses closed as "not tolerable" (1979): 16.
Number of houses improved to "tolerable standard" (1979): 24.
Additional new houses (1979): 220.

Education

Number of Primary and Secondary Teachers in Shetland:

	1971	1976	1979	1980
Primary	91	117	150	169
Secondary	88	124	137	139
TOTALS:	179	241	287	308

Primary School Rolls as at January each year:

	1971	1976	1979	1980
Baltasound Junior High	103	100	100	94
Mid Yell Junior High	56	76	69	64
Brae Junior High	44	68	223	130
Symbister House Junior High	125	149	144	139
Aith Junior High	67	63	67	54
Scalloway Junior High	120	136	135	141
Sandwick Junior High	44	81	89	86
Haroldswick Primary	38	33	31	32
Uyeasound Primary	21	27	19	17
Cullivoe Primary	21	23	26	26
Burravoe Primary	38	31	44	43
Fetlar Primary	14	6	10	14
North Roe Primary	17	16	17	20
Ollaberry Primary	18	12	23	25
Urafirth Primary	26	29	42	40
Mossbank Primary	–	–	–	135
Firth Primary	16	–	–	–
Olnafirth Primary	19	30	35	40
Lunnasting Primary	20	22	40	40
South Nesting Primary	16	14	25	25
Skerries Primary	16	12	13	12
Sandness Primary	6	7	9	11
Foula Primary	4	4	5	9
Papa Stour Primary	–	–	5	8
Happyhansel Primary	43	40	41	48
Gruting Primary	12	11	9	10
Skeld Primary	13	26	35	32
Whiteness Primary	31	56	92	93
Burra Primary	16	–	–	–
Hamnavoe Primary	64	65	101	103
Gott Primary	41	43	48	52
Cunningsburgh Primary	56	74	88	87
Dunrossness Primary	123	152	204	220
Fair Isle Primary	3	9	14	12
Quarff Primary	17	19	26	25
Bressay Primary	24	38	29	29
Lerwick: Bells Brae Primary ..	722	790	517	509
Lerwick: Sound Primary	–	–	322	313
TOTALS:	2014	2262	2697	2738

Secondary School Rolls as at January each year:

	1971	1976	1979	1980
Anderson High School (Comprehensive)	571	770	885	939
Baltasound Junior High	36	58	63	71
Mid Yell Junior High	43	58	54	67
Brae Junior High	47	68	134	147
Symbister House Junior High	36	54	56	70
Aith Junior High	35	65	69	68
Scalloway Junior High	72	129	127	147
Sandwick Junior High	55	87	113	103
Skerries	2	6	6	7
TOTALS:	897	1295	1507	1619

Health Board

Hospitals:

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

No. of General Medical Practitioners: 16.
No. of full-time hospital doctors: 5.

Casualties attending Accident Department, New Gilbert Bain Hospital:

Year	No. of Casualties
1979	2799
1978	2634
1977	2626
1974	1719
1972	1082

Postal Services

Number of P.O. employees:	1972	1977	1978	1979
Postal Officers	13	12	12	13
Postmen (Full-time)	42	46	45	47
Postmen (Part-time)	41	23	22	23
Sub Postmasters	59	56	56	56

Letters and parcels:	1972	1977	1978	1979
Letters delivered (weekly)	61887	n/a	86292	86292
Letters posted (weekly)	49866	52602	64223	62400
Parcels delivered (weekly)	3314	n/a	3993	3993
Parcels posted (weekly)	2103	1813	1580	1665

Telecommunications

Number of S.T.B. employees:

	1977	1978	1979
Telephonists	35	37	37
Engineers	52	58	68

Number of telephone connections (December of each year):

	1971	1976	1978	1979
Unst	143	184	220	254
Yell	174	235	291	327
Fetlar	21	30	35	35
Northmavine	129	174	202	232
Delting	147	290	717	926
Walls & Sandness	129	162	181	219
Sandsting & Aithsting	175	220	245	270
Nesting & Lunnasting	81	107	127	146
Whalsay	194	267	295	309
Skerries	23	30	31	31
Tingwall	335	513	581	677
Bressay	56	78	87	94
Burra	132	193	214	232
Dunrossness	405	696	875	967
Lerwick	1275	2045	2556	2752
TOTALS:	3419	5224	6657	7471

Number of telex installations (December of each year):

1970	1972	1974	1976	1978	1979
5	18	29	59	96	103

Number of trunk calls made by Shetland telephone users:

1970	1972	1974	1976	1978	1979
283700	363862	525500	1033900	2721000	3451600

Number of IDD calls made by Shetland telephone users:

1978	1979
28200	45300

Number of television licences (December of each year):

	1970	1976	1978	1979
Mono	4574	5399	2536	2170
Colour	0	64	3698	4100
TOTALS:	4574	5463	6234	6270

Electricity

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

	1971	1976	1978	1979
Burra/Trondra	259	330	345	361
Bressay	110	133	157	165
Unst	317	412	443	447
Whalsay	250	305	344	349
Yell	409	460	489	551
Lerwick	2794	3208	3334	3384
Scalloway	407	468	475	478
South Mainland	947	1210	1309	1344
West Mainland	910	1090	1154	1173
North Mainland	766	1013	1306	1400
Totals:	7169	8629	9356	9652

Breakdown into categories:

Domestic	6019	7338	7971	8228
Farms	41	44	45	46
Public Lighting	7	11	28	28
Shops	214	220	222	257
Offices	66	69	70	73
Public Buildings	30	30	32	32
Hotels & Boarding Houses	19	22	22	22
H.M. Forces	3	4	4	4
Other Commercial & Public	702	818	888	888
Water, Gas & Drainage	8	9	10	10
Factories & Workshops	60	64	64	64
Totals:	7169	8629	9356	9652

Electricity generation:

	1971 (1.1.71-31.12.71)	1979/80 (1.4.79-31.3.80)
Units generated (megawatts)	32,319,000	132,023,000
Maximum demand (megawatts)	11.69	31.26

Electricity unit cost:

	Tariff	Shetland	North of Scotland non-diesel areas
Domestic	Standard	3.46p	3.16p
	Off-peak	2.15p	1.45p
Industrial	Standard	4.58p	4.28p
	Off-peak	2.15p	1.45p

Fire Service

Number of Fire Units in Shetland 1979:

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, 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:	196	

Number of fires attended:

	1971	1976	1978	1979
Chimney fires	16	21	31	30
Special services (pumping out boats, properties, etc., road traffic accidents, etc.)	5	13	14	14
Property and small fires	17	48	59	52
False alarms, good intent	2	4	14	11
False alarms, malicious	1	1	3	2
Totals:	41	87	121	109

Lifeboat

No. of Lifeboat Stations operational in Shetland: 2 (Lerwick and Aith).

Lifeboats

	Lerwick Station	Aith Station
Name	*Soldian*	*John & Frances MacFarlane*
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
No. of launchings	9	9	10	6	10	14	6	14
No. of persons rescued	1	13	11	0	6	8	8	0

Crime

Number of Police Stations:

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	1972	1973	1974	1975	1976	1977	1978	1979
21	24	23	27	27	28	33	42	42

Number of Crimes and Offences reported to the police:

	1972	1976	1978	1979	Detections 1979
Class 1					
Crimes against the person	17	16	104	77	77
Class 2					
Crimes against property with violence	25	43	40	46	32
Class 3					
Crimes against property without violence	97	177	264	189	132
Class 4					
Malicious injury to property..	3	32	32	48	24
Class 5					
Forgery and currency crimes	0	0	3	1	1
Class 6					
Others not included in above	4	11	47	58	56
Class 7					
Miscellaneous	432	1095	1972	1751	1736
(Road Traffic, Litter, etc.)					
Totals:	578	1374	2462	2170	2058

Unemployment

Unemployment percentage as at June each year:

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Shetland	3.8	3.7	2.2	2.2	2.9	3.5	4.0	2.9	2.8	3.7
Orkney	3.9	2.6	2.4	2.3	2.4	3.4	4.8	4.3	5.7	6.5
Western Isles	18.0	17.8	12.9	11.9	14.0	14.5	14.0	12.3	11.8	13.7
Grampian	3.7	3.6	2.4	1.8	2.3	3.3	4.3	4.3	4.6	5.3
Strathclyde	6.7	7.2	5.2	4.5	5.6	7.9	9.8	10.4	9.8	12.3
Scotland	5.5	6.0	4.3	3.6	4.7	6.7	8.6	7.6	8.1	9.9
Highland										9.1
UK										6.9

Cost of Living

Indices		Feb. 1979	May 1979	Aug. 1979	Nov. 1979
Shetland	Lerwick	107.5	111.7	110.6	108.6
	Remote	111.4	116.4	116.3	115.8
	Village 1	113.1	119.0	114.7	114.1
	Village 2	–	–	115.5	116.6
	Village 3	–	–	112.5	114.0
Rural Average		105.7	110.2	109.7	109.7
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	Thomas S. Black, 10 Voeside, Bressay.
Burra & Trondra	(Mrs.) W. Inkster, Bon-Abri, Hamnavoe.
Delting	Alan Lovett, 11 Runafirth, Brae.
Dunrossness	(Mrs.) N. MacDonald, Linksview, Ringesta, Quendale.
Fetlar	(Mrs.) J. M. Coutts, Funzie, Fetlar.
Gulberwick, Quarff & Cunningsburgh	Robert Jarmson, Meal, Cunningsburgh.
Lerwick	Roy Grönneberg, 3 Anderson Homes, Lerwick.
Nesting & Lunnasting	(Mrs.) Elizabeth Manson, 2 Bellevue Park, Lerwick.
Northmavine	(Mrs.) T. A. Manson, Urafirth, Heylor.
Sandness & Walls	(Mrs.) B. Isbister, Forratwatt House, Walls.
Sandwick	(Mrs.) Rosemary Inkster, Taralea, Hoswick.
Scalloway	(Mrs.) M. Irvine, Hillside, Port Arthur, Scalloway.
Unst	Cedric Auty, Valsgarth, Haroldswick, Unst.
Whalsay & Skerries	Henry A. Stewart, 2 Gardentown, Symbister, Whalsay.
Whiteness, Weisdale & Tingwall	(Mrs.) D. Williamson, 11 Queens Place, Lerwick.
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 1978 - May 1982)

Ward	Councillor
1. Lerwick Sound	**Lindsay S. Smith,** 17 Kantersted Road, Lerwick.
2. Lerwick Clickimin	**Ian Byrne,** 2 Westerloch Crescent, Lerwick.
3. Lerwick North	**Alexander Morrison,** 7c Brown's Buildings, Commercial Rd., 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 C. Butler,** 20 Hayfield Lane, Lerwick.
8. Unst	**William Playfair,** Nethaburn, Quarff.
9. Yell North & Fetlar	**David J. Johnston,** 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	**Fraser Peterson,** North House, Brae.
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	**(Mrs.) Jemima Walterson,** Greystanes, Berry Rd., Scalloway.
17. Tingwall, Whiteness & Weisdale	**(Mrs.) Florence Grains,** Hoove, 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	**Laurence A. Williamson,** Leagarth, East Voe, Scalloway.
23. Sandwick	**Peter R. Watts,** Netherton, Levenwick.
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:	**John C. Butler**

Committee	Chairman
Development, Leisure and Recreation	Alexander J. Cluness
Education	William A. Smith
Environmental Health and Control	Edward Thomason
Housing	Alexander Morrison
Policy and Resources	John C. Butler
Ports and Harbours	Fraser Peterson
Social Work	(Mrs.) Joan McLeod
Transport and General Services	James C. Irvine

DEPARTMENTS

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

FINANCE

Revenue and Capital Estimates

	1979/80		1980/81	
Net Expenditure	**(Net) Revenue £000**	**Revised Capital £000**	**(Net) Revenue £000**	**Estimated Capital £000**
Education	5,549	3,294	8,031	3,332
Highways	1,982	4,200	3,189	3,761
Housing	746	3,544	1,631	3,168
Leisure & Recreation	441	329	886	35
Lighting	40	25	56	60
Miscellaneous Services	507	252	1,370	88
Planning	124	–	126	–
Police & Fire	972	–	2,020	–
Protective Services	705	591	1,116	1,058
Research & Development	423	–	1,037	–
Sewerage	244	1,168	194	1,555
Social Work	814	73	1,371	26
Transport: Ferries	402	327	726	365
Transport: Other	160	128	250	66
Water	225	852	288	569
Ports & Harbours	–	12,006	–	6,386
Contingency	841	–	4,491	–
Section 94 Adjustment	−1,500	–	1,500	–
Balance brought forward	,150	–	1,000	–
	12,825	26,789	29,282	20,469
Source of Finance:				
Rate Support Grant	5,300		6,757	
Electricity Contributions	25		25	
Charged to Rates	7,500		22,500	
	12,825		29,282	

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

Rating and Valuation

	Rate per £							
	Non-Domestic			Domestic				Total Rateable
	Town	County		Town	County		Water	Value
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		40p			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

* 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.

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