



SHETLAND in STATISTICS



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Physical Characteristics

Total area of Shetland: 552 sq. miles.

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. 3000 miles.

Number of islands: 100+ Number inhabited: 16
 Number inhabited without a bridge: 11

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:

Mainland				North Isles via Ferries			
Aith	21	Hillswick	35	Reawick	24	YELL:	
Bigton	18½	Isbister	39	Sandness	29	Burravoe	33½
Bixter	17	Laxfirth	6½	Sandwick	15	Cullivoe	52
Boddam	21½	Laxo Ferry	22	Scalloway	8	Gutcher	50
Brae	22	Levenwick	18	Stromfirth	12	Mid Yell	41
Bridge of Walls	23	Lunna	27	Sullom	29	Ulsta	29
Burra	12	Mavis Grind	24	Sumburgh	24½		
Calback Ness	31	Mossbank	28½	Tingwall	6		
Cunningsburgh	11	Nesting	16	Toft Ferry	29	UNST:	
Eshaness	39	North Roe	38	Urafirth	31½	Baltasound	56
Girlsta	10	Ollaberry	36	Voe	18	Belmont	50
Graven	29	Park Hall	18	Walls	24½	Haroldswick	59
Gulberwick	3½	Quarff	7	Weisdale	11	Uyeasound	53
Gruting	29	Quendale	24	Whiteness	8		

Approximate Distance and Direction from Lerwick to:

Bergen	234 miles	E
Aberdeen	204 miles	S
Tórshavn	237 miles	NW
Kirkwall	103 miles	SW
John O'Groats	125 miles	SW

Climate

Observations from Lerwick Observatory began in 1921, although the first full year of recordings was not until 1922.

Observations are recorded in Shetland by staff employed by the Meteorological Office. In 1971, 23 meteorological staff + 4 ancillary workers were employed; and in 1978 this figure had increased to 32 meteorological staff (including 8 at a new Sumburgh Airport Weather Centre) and 2 ancillary staff. There was a shortage of ancillary staff due to difficulties in recruiting local labour.

The recorded meteorological observations from Lerwick Observatory for 1977 are as follows:

Temperature (degrees C)

	1978 monthly mean		1941 - 70 monthly mean		Extreme daily values (1922 - 1978)	
	Max.	Min.	Max.	Min.	Max. (Year)	Min. (Year)
Jan	+ 4.4	+ 1.7	+ 4.7	+ 1.3	+11.7 ('32, '50)	- 8.9 ('52, '59)
Feb	+ 2.9	+ 0.0	+ 4.7	+ 0.9	+11.7 ('45)	- 7.2 ('47, '55)
Mar	+ 6.4	+ 2.6	+ 5.8	+ 1.8	+13.3 ('61)	- 8.3 ('47)
Apr	+ 6.6	+ 2.0	+ 7.9	+ 2.9	+16.1 ('42)	- 5.7 ('68)
May	+10.7	+ 5.5	+10.1	+ 5.1	+19.4 ('54)	- 2.8 ('23)
Jun	+12.1	+ 7.9	+12.5	+ 7.6	+23.3 ('58)	- 0.6 ('24, '29, '31, '51)
Jul	+12.2	+ 8.2	+14.0	+ 9.3	+22.8 ('26, '58)	+ 3.3 ('21)
Aug	+12.9	+ 9.3	+14.1	+ 9.6	+20.6 ('38, '47)	+ 1.7 ('21)
Sep	+11.5	+ 7.9	+12.6	+ 8.5	+19.4 ('53)	- 0.6 ('54)
Oct	+10.1	+ 6.7	+10.2	+ 6.7	+17.2 ('55)	- 3.3 ('48)
Nov	+ 7.4	+ 4.1	+ 7.3	+ 4.4	+13.9 ('46)	- 5.7 ('62)
Dec	+ 4.3	+ 2.5	+ 5.6	+ 2.4	+12.2 ('48)	- 8.3 ('61)
Year	+ 8.45	+ 4.8	+ 9.1	+ 5.0		

Number of days in 1978 with:

	Snow or Sleet	Thick Fog	Air Frost	Thunder	Gales
Jan	20 (15.0)	0 (1.8)	11 (11.0)	2 (0.3)	11 (8.5)
Feb	17 (13.0)	1 (2.0)	11 (12.0)	0 (0.7)	2 (5.7)
Mar	9 (12.0)	2 (2.6)	5 (8.8)	1 (0.3)	2 (7.4)
Apr	9 (6.9)	0 (5.0)	9 (5.7)	0 (0.1)	0 (2.2)
May	0 (2.5)	4 (6.3)	0 (1.0)	0 (0.1)	0 (1.5)
Jun	0 (0+)	3 (7.7)	0 (0.1)	0 (0.3)	0 (1.3)
Jul	0 (0.0)	3 (6.9)	0 (0.0)	0 (0.3)	0 (0.6)
Aug	0 (0.0)	3 (6.9)	0 (0.0)	1 (0.3)	0 (0.5)
Sep	0 (0+)	1 (6.0)	0 (0.0)	0 (0.2)	0 (2.5)
Oct	1 (1.1)	2 (3.6)	0 (0.6)	0 (0.3)	3 (5.5)
Nov	9 (7.0)	0 (0.7)	4 (4.9)	2 (0.7)	14 (5.0)
Dec	14 (13.0)	1 (1.6)	5 (8.8)	0 (0.3)	3 (7.8)
Totals	79 (70.5)	20 (51.1)	45 (52.9)	6 (3.9)	37 (48.5)

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.

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.

MONTHLY TOTALS

	Sunshine (hours)		Rainfall (mm)	
	1978 totals	Extreme daily totals	1978 totals	Extreme daily fall
Jan	19.5 (25)	6.6 ('39)	156 (128)	42.2 ('49)
Feb	65.6 (54)	9.8 ('40)	85 (105)	46.5 ('51)
Mar	108.6 (86)	11.6 ('64)	89 (93)	46.7 ('52)
Apr	156.4 (137)	14.8 ('26)	23 (69)	37.1 ('40)
May	172.6 (157)	16.2 ('40, '57)	40 (64)	49.8 ('66)
Jun	131.9 (152)	17.4 ('34)	67 (67)	31.8 ('54)
Jul	84.6 (131)	16.6 ('35)	65 (68)	94.0 ('35)
Aug	83.5 (116)	15.1 ('28)	24 (75)	46.9 ('48)
Sep	83.7 (99)	13.0 ('24)	161 (109)	50.8 ('54)
Oct	65.5 (62)	10.1 ('37)	99 (123)	33.8 ('28)
Nov	31.1 (33)	6.8 ('61, '67)	171 (129)	71.4 ('48)
Dec	84.0 (15)	5.1 ('57)	63 (142)	45.2 ('51)

Figures in brackets are 1941 - 1970 averages.

Extreme daily totals are over the years 1921 - 1978.

Wind Speed (knots)

1978	Monthly mean		Max. hourly mean speed 1921 - 1978			Highest Gust 1921 - 1978		
	1978	1941-1970	1978	Dir	Year	1978	Dir	Year
Jan	19.0	(17.0)	45 (64	010°	'53)	65 (95	220°	'61)
Feb	15.0	(15.9)	35 (56	220°	'57)	52 (83	280°	'43)
Mar	15.1	(16.1)	40 (53	240°	'67)	65 (77	240°	'67)
Apr	11.0	(14.2)	22 (55	250°	'57)	32 (78	250°	'57)
May	10.1	(12.4)	25 (43	230°	'58)	35 (65	240°	'56)
Jun	12.9	(11.9)	29 (42	260°	'55)	43 (61	260°	'55)
Jul	12.4	(11.3)	26 (40	030°	'40)	40 (61	290°	'64)
Aug	10.3	(10.9)	24 (49	240°	'23)	36 (69	240°	'23)
Sep	15.1	(13.1)	59 (59	210°	'78)	84 (87	270°	'63)
Oct	16.0	(15.1)	39 (58	230°	'65)	64 (82	230°	'65)
Nov	19.4	(15.4)	50 (51	220°	'38)	75 (80	280°	'36)
Dec	17.9	(16.8)	34 (58	240°	'36)	51 (90	220°	'56)

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

Fisheries

Fish landed in Shetland by UK vessels, 1978:

	White Fish		Herring	
	Tonnes	£	Tonnes	£
January	819.08	273808	—	—
February	1037.72	314328	—	—
March	1475.70	395764	59.39	21509
April	1151.02	329503	—	—
May	837.93	264992	—	—
June	726.02	223966	18.70	6926
July	739.83	203537	—	—
August	736.69	191233	—	—
September	912.60	240334	—	—
October	714.62	221728	—	—
November	561.47	182522	—	—
December	468.74	146670	—	—
TOTALS:	10575.42	2,988,385	78.09	28,435
1977	13297.96	3,771,458	2417.72	375,032
1976	13456.77	2,587,548	4009.79	461,243
1975	10489.19	1,408,868	4314.25	313,244

Industrial Landings:

	Norway Pout		Sand Eels	
	Tonnes	£	Tonnes	£
January	1079.60	37240	—	—
February	1325.64	43634	—	—
March	468.35	14496	178.52	4921
April	—	—	2496.03	68676
May	—	—	6130.02	169024
June	32.82	904	4881.19	145718
July	—	—	3888.53	112496
August	—	—	4899.69	147953
September	—	—	4211.97	121370
October	985.06	28872	1244.46	33857
November	1180.14	34845	—	—
December	422.68	12480	—	—
TOTALS:	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
1975	14131.67	233,066	13069.83	171,235

Other fish landed:

		Tonnes	£
Mackerel	1978	1099.77	91,770
	1977	2062.88	139,073
	1976	775.04	38,623
	1975	266.11	5,569
Sprats	1978	949.61	53,226
	1977	2426.38	132,525
	1976	973.86	64,895
	1975	258.83	15,751
Shellfish	1978	644.74	225,081
	1977	590.75	199,705
	1976	588.08	202,339
	1975	602.29	174,347
	TOTAL (All Species)	1978	46378.33
	1977	46660.52	5,585,414
	1976	49634.66	4,219,470
	1975	43131.19	2,322,080

Included in 1978 White Fish total:

Cod	535.05	220,446
Haddock	2780.35	942,907
Whiting	6050.07	1,577,138

Of the white fish total, 35 tonnes failed to make the withdrawal price*, and were processed as fish meal oil. 889.01 tonnes of sprats went for fish meal; and the remaining 59.59 tonnes realised a value of £18104 and were frozen as white bait.

* Withdrawal prices are the minimum prices for which fish can be sold, and are laid down annually by the EEC.

Weight and Value of Catch by Method:

	Tonnes	£
Seine Net	3966.68	1,106,671
Industrial Trawl	33896.30	1,141,654
Light Trawl	5721.25	1,708,314
Pair Trawl (White Fish)	21.72	7,996
Purse Seine	1347.73	124,537
Single Boat Pelagic Trawl (Sprats)	446.45	17,010
Two Boat Pelagic Trawl (Sprats)	258.45	25,225
Two Boat Pelagic Trawl (Herring)	—	—
Small and Hand Lines (Mackerel)	75.15	6,895
Shellfish	644.74	225,081

Landings at Shetland by Foreign Vessels:

838.40 tonnes value £77,502

Of this total 196.19 tonnes, value £60,939, were for consumer purposes.

Landings at Scottish ports by Shetland Vessels:

8058.96 tonnes value £1,228,608

Landings elsewhere by Shetland Vessels (majority Cornwall):

4437.99 tonnes value £379,202

Number of Fishing Vessels in Shetland:

1978	123 vessels	(68 1st class; 55 2nd class)
1977	134 vessels	(71 1st class; 63 2nd class)
1975	142 vessels	(74 1st class; 68 2nd class)
1973	144 vessels	(74 1st class; 70 2nd class)
1971	136 vessels	(66 1st class; 70 2nd class)

Distribution of Vessels by district, 1978:

District	1st Class	2nd Class	Total	1977
Whalsay	22	6	28	31
Burra	17	9	26	26
Lerwick	11	1	12	12
Scalloway	7	4	11	14
Yell	3	6	9	9
Unst	1	4	5	5
Skerries	2	2	4	4
Skeld	1	3	4	3
Other	4	20	24	30

1st Class: over 15 Tons.

2nd Class: under 15 Tons.

Fish Processing

10 firms are engaged in fish processing in Shetland with 13 separate factories. There are 10 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 1978.

Employment in the Shetland Fishing Industry:

	Catching	Processing	Ancillary	Total
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

Due to the conversion change from cwts. to tonnes, the 1975 weights are subject to slight change in the DAFS statistical tables.

1 tonne: 19.685 cwt. (approx.)

Agriculture

Statistics for holdings having more than 40 standard man days of agricultural activity.
(Acreage given to the nearest unit.)

	1976	1977	1978	
tillage	973.7	910.6	883.5	hec.
grassland and crops	6816.3	6519.2	6474.9	hec.
rough grazing including common grazing	125191.0	122721.2	123661.0	hec.
woodland	25.1	32.0	25.4	hec.
roads, buildings, etc.	276.4	337.1	320.7	hec.
number of holdings	1113	979 + 93	994 + 93	
	(+ 93 common grazings)			
total area rented	29426.5	28003.6	26409.9	hec.
total area owned	27064.7	25913.0	28683.5	hec.
total area rented/owned				
excluding common grazings	56491.7	53916.6	55093.4	hec.
grass (other than rough grazing)	5843.0	5607.8	5591.4	hec.
barley.. .. .	22.7	15.0	41.0	hec.
oats	517.6	477.5	438.5	hec.
turnips and swedes for stock feeding	101.6	89.0	93.3	hec.
kale and cabbage	47.7	46.9	47.2	hec.
potatoes	182.9	181.3	174.9	hec.
rape	26.7	27.5	23.9	hec.
other crops	6.1	3.6	12.6	hec.
beef cows and heifers	2556	2446	2387	
dairy cows and heifers	668	667	640	
total cattle	6828	6504	6257	
total sheep	240399	237130	233589	
pigs	11	27	13	
poultry	7642	6749	6249	
ponies, registered and unregistered	c.1000	c.1000	c.1000	
Land improvement:				
Reclamation:	21.7	36.4	15.4	hec.
Regeneration	119.7	105.2	174.0	hec.
Drainage	18471	39770	22357	metres
Grant-aided capital investment:				
New silos	8	1	0	
Fanks and dippers	4	10	12	
New byres	4	2	4	
G.P. sheds	6	12	1	
Slatted courts	2	2	2	
Cubicle houses	0	0	2	
New croft houses	0	14	17	

During 1978 183 hectares of Scattald were apportioned following 25 applications.
(1977: 253 hectares — 22 applications.)

	1971	1974	1977	1978
Number of dairy units	23	22	22	22
Milk production (Estimated)	1443582	1659290	1569961	2363920 litres
Number of sheep slaughtered	8417	13576	12505	9516 *
Number of cattle slaughtered	485	322	115	131 *
Number of pigs slaughtered	0	0	0	11 *
Number of sheep exported	n/a	39886 †	49028	57080
Number of cattle exported	n/a	2480 †	2103	2831
Number of ponies exported	n/a	592 †	561	568
Number of full-time farm staff	84	78	53	44
Number of full-time occupiers	124	138	146	136
Wives/husbands of occupiers (full and part-time)	252	308	304	301

* Excludes animals slaughtered in Yell.

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

Knitwear

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 27 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

	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 (1978): £1.75 to £2 million.

Accommodation capacity available to Shetland Tourist Organisation by bed spaces:

Type of Accommodation	1976	1977	1978	1979
Lerwick Hotels	149	149	149	154
Country Hotels	292	286	268	286
Lerwick B&B	206	152	152	140
Country B&B	154	186	158	147
Self-catering, cottages, etc.	169	287	279	179
Caravans	106	188	175	97
Hostels	76	94	94	94
TOTALS ..	1152	1342	1275	1097

Occupancy Levels:

Minimum room occupancy for Lerwick Hotels (15/6 - 30/9): 87 - 97%

Minimum room occupancy for Lerwick Guest Houses/B&B (15/6 - 30/9): 91 - 100%

Information Centre Activity:

	Enquiry Letters	Bookings	
		Advance	Local
January	744	17	8
February	607	36	9
March	418	40	16
April	293	29	23
May	250	32	30
June	232	35	70
July	157	23	127
August	121	12	75
September	88	—	49
October	104	—	34
November	187	—	14
December	116	—	4
TOTALS: 3317		224	459

Number of P&O Mini Cruise Passengers:

1977	1978
3904	4761

Number of Cruise Liner visitors:

1977	1978
2125	2725

Visits to places of interest:

	1977	1978
Jarlshof	6342	N/A
Mousa	887	720
Noss	914	1020
Muness Castle	2550	2917
Agricultural Museum	860	719
Shetland Croft House, Dunrossness	N/A	4000 (estimate)

Oil

OFFSHORE

(a) The Exploration Phase:

The exploration phase for oil and gas offshore Shetland was initiated in June 1970, by the Department of Energy when the first Licence blocks were allocated to interested companies.

Exploration activity began in earnest in 1971, and is expected to continue well into the 1980's. In 1971, supply and helicopter services were established in Shetland to support offshore activities and in July of that year, the first of many major oil strikes occurred when the Brent Field was discovered.

(b) The Development Phase:

This began in 1975 with the laying of the main Ninian and Brent Pipeline systems, and the floatout of the first of the production platforms (one for the Beryl Field and one for the Brent Field).

The main Ninian Pipeline was completed in May 1976, and the main Brent Pipeline in June 1976. Dunlin Field oil from 100 miles north east of Shetland was the first to be pumped into Sullom Voe on November 25th 1978 through the Brent Pipeline System, and was shipped out by the 70,000 ton Shell tanker *Donovania* on 30th November 1978. Heather Field oil from 75 miles north east of Lerwick was the first to arrive through the Ninian Pipeline System on December 3rd, 1978.

1978 OFFSHORE HIGHLIGHTS

Month	Field	Occurrence
March	Brent	On March 7th, <i>Semac I</i> , recommenced laying 279 mile long FLAGS (Far North Liquid and Gas System) subsea pipeline from St. Fergus, Aberdeenshire, to the Brent Field.
April	Thistle	Commercial oil production began with the first tanker load of 500,000 barrels delivered to Conoco's Humber refinery.
May	Cormorant	380,000 tonne concrete gravity 'A' platform towed out from Stord, Norway, on April 29. Penetration and emplacement completed on site by May 8th. Construction support and accommodation unit <i>Haakon Magnus</i> in attendance.
	Ninian	605,000 tonnes ballasted concrete 'Central' platform towed out from Sound of Raasay. Commenced May 5th, completed May 17th, when platform emplaced. Crane barge <i>Pearl Marine</i> used for installation.
June	Brent	After 324 days work over 2 years, the FLAGS pipeline, begun March 1977, was completed on June 20th. 'A' platform brought on stream June 8th. 'D' platform shutdown for commissioning gas compressors.

ne	Brent	305,000 ton 'C' platform towed out from Stord, Norway; on location 18th June, emplaced 19th June. Swedish car/passenger ferry <i>Stena Germanica</i> chartered to transport personnel from Aberdeen to Brent Area, where accommodation of 2800 beds was available.
	Heather	Drilling of first production well commenced June 17th.
	Ninian	'Northern' steel platform (12,600 tonnes) tow-out from Nigg Bay. On location 30th June. Piling done by crane barge <i>Pearl Marine</i> .
ly	Brent	'B' platform back on stream after shutdown since June 1977 to instal compression modules. 'D' platform back on stream after June 1978 shutdown. 5 accommodation units now in Brent vicinity: <i>Nordraug</i> on Brent 'A'; <i>Vildkat</i> on Brent 'B'; <i>Haakon Magnus</i> on Brent 'D'; <i>Treasure Finder</i> on Cormorant 'A' and <i>Nortroll</i> on Dunlin 'A'. The Brent complex had 22,000 aircraft movements in July; Heathrow had 26,000 in the same month.
	Beryl	Shutdown for planned engineering works.
	Ninian	Offshore labour force now over 2000 on this field alone.
ugust	Dunlin	Oil production began from this field. Peak production expected by 1982.
	North Cormorant	Steel platform design contract awarded by Shell to CJB Earl and Wright for £500 million development project. Production startup possibly 1982.
ptember	Brent	Pipeline system blockage in the Cormorant Pipeline delays startup of transportation of Dunlin oil to Sullom Voe.
tober	Heather	First oil left this field, via Ninian pipeline system, en route for Sullom Voe. Expected to take 45 days to reach terminal.
	Brent	Shell find 5 feet long tear in pipeline system 47 miles from Sullom Voe. Delay of startup of Dunlin oil flow by one month.
ovember	Dunlin	First oil ashore at Sullom Voe via Brent pipeline system: 25th November. Tanker <i>Donovania</i> exports first oil from Sullom Voe on 30th November.
ecember	Heather	First oil ashore through Ninian Pipeline reached Sullom Voe on 3rd December.
	Ninian	Ninian Field came on stream. Oil piped to Sullom Voe.
	Magnus	Department of Energy consents to BP development plan of £1.25 billion for this field. Development expected to commence 1979/80, with oil being transported through Ninian pipeline system to Sullom Voe.

1978 DEVELOPMENT POSITION IN SHETLAND WATERS

1. No. of Named Oilfields with Development Plans Announced: 12
Beryl, Brent, Cormorant, Dunlin, Frigg, Heather, Magnus, Murchison, Ninian, North Cormorant, Thistle and Statfjord.
2. No. of Fixed Platforms Installed: 16.
Brent 4, Thistle 1, Frigg 3, Beryl 1, Heather 1, Ninian 3, Dunlin 1, Cormorant 1, Statfjord 1.
3. No. of Development Wells required on Fields with Plans Announced: 460 (excluding Frigg and Statfjord).
4. No. of Named Fields with no Development Plans Announced: 7
Tern, Lyall, Alwyn, Hutton, North West Hutton*, North Beryl*, North Thistle*.
* Plans are expected to be announced in 1979.
5. No. of Un-named Finds of Interest: 9.
2/10a, 3/4, 3/7, 3/9a, 3/28, 206/8†, 210/15, 211/13, 211/19 - 6.
† The structure here straddles Blocks 206/7, 206/8, 206/9, 206/12 and 206/13.
6. Total No. of operating Companies with Licence Block Interests around Shetland: 28.

ONSHORE

Onshore facilities fall into the following categories:

1. An oil terminal for the storage, treatment and exporting of oil and associated gas from the Brent and Ninian pipeline systems.
2. Oil Service Bases.
3. Air Services.

1. THE OIL TERMINAL

The Terminal is situated at Calback Ness on a site of approximately 1000 acres, on Sullom Voe (31 miles north of Lerwick). Construction of facilities for a throughput of 1.39 million barrels of oil per day began in February 1975. This throughput figure of 1.39 million barrels was upgraded in May 1978 to 1.41 million barrels, and the completion date of the Terminal construction extended to 1981. The facilities include the following features:

- (a) **Surface crude Storage Tanks:** 18 of these are being constructed. Tank capacity: 100,000 cubic metres gross, approximately 90,000 cubic metres working; diameter:— 76 metres; height:— 22 metres (with floating roofs).
- (b) **Ballast Water Storage Tanks:** 3 tanks of 60,000 cubic metres capacity will be built (a fourth may also be added); diameter:— 62 metres; height:— 22 metres + 1 metre wind skirt.
- (c) **Power Station:** Initially 96 megawatt capacity.

Steam Boilers:	Total number:— 5
	2 x 75 tonne/hour units.
	3 x 110 tonne/hour waste heat boilers.

- (d) **Process Facilities:**
 1 surge tank for Brent pipeline } each has capacity of 200,000 barrels
 1 surge tank for Ninian pipeline }
 5 stabilisation trains: each rated at 330,000 barrels per day.
 6 high pressure compression trains.
 5 low pressure compression trains.
 3 refrigeration and fractionation trains.
 1 spare refrigeration train.
 3 gas and liquid drying trains.
- (e) **LPG Facilities:**
 3 LPG chilldown trains.
 5 fixed roof storage tanks: each has capacity of 30,000 cu. metres or 20,000 tonnes.
- (f) **Flare System:** One 120 metres multiple flare stack on Hill of Garth; minor flares at surge tanks and LPG storage area.
- (g) **Effluent Treatment Plant:** Capable of treating an effluent throughput of 5000 cu. metres/hour. Facilities include 2 interceptors, 2 slop tanks, 5 sand filters, 3 emulsion break tanks.
 Average oil density in water at outfall: 10.15 PPM.
- (h) **Throughput of Terminal:** In excess of 800,000 barrels/day 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 barrels per day 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 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. An option still exists for the Hutton Field to be linked into the Brent system should this field be developed.

The Ninian and Heather Fields have been linked into the 105 mile long Ninian pipeline system to Sullom Voe.

1978 Oil Production Figures through Brent and Ninian Pipelines:

Pipeline System	Cubic Metres	Barrels	Tonnes
Brent	1015565	6,390,950	855,105.7 *
Ninian	108103	680,292	91,779.4 †

Notes: 1 barrel: 35 Imperial Gallons
 1 cu. metre: 1 barrel ÷ 6.293
 1 million barrels per day: 50 million tons per year.

* Presuming density of Brent : 0.842/cu. metre.
 † Presuming density of Ninian: 0.849/cu. metre.

- (i) **Harbour Facilities:** 1 construction jetty – used for the transportation of materials for the site development. There are 4 tanker loading jetties – 3 purely for the loading of crude oil, the fourth for the loading of oil or liquefied petroleum gas.

Total number of tankers loaded 1978: 11.

Total oil exported: 5,583,996 barrels (874,622 cubic metres)

(For oil Shipping figures and other Harbour statistics, see Transport Section.)

- (j) **Accommodation Facilities:** 2 construction villages have been provided to accommodate the larger part of the 5750 construction workers now working at Sullom Voe.

The first village at Firth was completed in 1976, and houses 1137 workers. The second village at Toft was completed in 1978, and houses 1908 workers. Planning provisions for 2 accommodation vessels to be moored at Sullom Voe were agreed by the Shetland Islands Council in 1978. The first vessel, *Rangatira*, housing 340 construction workers was emplaced by October 1978 in Garths Voe. The second vessel of similar capacity, the *Stena Baltica*, was due to be emplaced in 1979.

Oil Spills in Sullom Voe 1978*

Total Number: 1.

Date	Amount (Tonnes)	Type of Oil	Ship's Name
30th December	1174	Bunker C	<i>Esso Bernicia</i>

* Oil spills on land or into the 'Houb' are not considered here.

2. OIL SERVICE BASES

Five service Bases are operational in Shetland at the present time, 4 in Lerwick Harbour, and one at Sandwick, 17 miles south of Lerwick.

Base	Area in Acres	Berths Available
Shell	10	2
BP	24	2
Norscot	40	9
Ocean Inchcape (Shetland) Ltd.	14 (approx.)	3
Hudsons Offshore, Sandwick	10	2

There is also berthage for one supply boat at Scalloway where facilities at Blacksness Pier are expected to be developed further.

Oil Service Vessels visiting Shetland:

	1972	1973	1974	1975	1976	1977	1978
Lerwick	151	328	838	1581	1679	1724	1827
Sandwick	0	34	110	99	114	53	27
Scalloway	32	1	16	7	16	40	25

Marine Service Base Employment (9/78): 332. (includes Lerwick Harbour Trust)
 This includes 220 locals (195m, 25f).

3. AIR SERVICES

All air services continued to expand in 1978. (See Transport statistics)

At Sumburgh Airport a new £16 million heliport development due for completion in the summer of 1979, was begun.

In July 1978, at Sullom Voe, Scatsta Airfield was recommissioned at a cost of approximately £2 million, in order to allow HS748 passenger carrying aircraft to transport construction workers direct from Glasgow.

At Baltasound in Unst, a £1 million development commenced, to allow the airfield to act as an oil rig passenger transfer point from fixed wing/helicopter/ fixed wing aircraft.

Helicopters based in Shetland serviced vessels concerned with the continuing exploration and development of resources offshore Shetland. The helicopters serviced both rigs doing exploration drilling on short term charters, and on long term charters installations requiring regular servicing such as the six platforms on the Beryl, Frigg, Brent, Thistle, Dunlin, Cormorant, Heather and Ninian Fields, as well as other vessels on these fields. As the production phase progresses, still further expansion is envisaged.

A book, *Shetland's Oil Era - Phase 2*, is available from the Research and Development Department, Shetland Islands Council, explaining the oil related developments in greater detail.

Transport

INTERNAL TRANSPORT

Location	Type of Transport	Type of Service	Surface Type and Dimensions of Airstrip
Unst	Air	S	Bituminous (610 x 23m)
	SIC Vehicle Ferry	S	
Yell	SIC Vehicle Ferry	S	
Fetlar	Air	S	Soft Gravel (457 x 18m)
	SIC Vehicle Ferry	S	
Skerries	Air	C	Grass (381 x 18m)
	SIC Ferry	S	
Whalsay	Air	S	Rolled Gravel (Firm) (457 x 18m)
	SIC Vehicle Ferry	S	
Scatsta	Air	S	Bituminous (960 x 23m)
Bressay	SIC Vehicle Ferry	S	
Tingwall	Air	S	Bituminous (740 x 18m)
Fair Isle	Air	S	Rolled Gravel (Firm) (457 x 18m)
	Ferry Boat (P)	S	
Papa Stour	Ferry Boat (P)	S&C	
Vaila	Ferry Boat (P)	C	
Foula	Air	C	Soft Gravel (457 x 18m)
	Ferry Boat (P)	S	
Burra & Trondra	Bridge link to Mainland		
Muckle Roe	Bridge link to Mainland		

P - Privately Owned S - Scheduled C - Charter

All internal scheduled air services 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
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 Vehicle Ferry Traffic:

Island	1975		1976		1977		1978	
	No. of Veh.	No. of Pass.						
Yell	28284	52195	33333	62626	35670	68963	36210	86789
Unst/Fetlar ..	16618	30760	16920	33460	17300	30733	19715	31397
Bressay	—	—	14817	71615	13877	71991	14100	75676
Whalsay	—	—	10117	23110	14876	26777	17445	34631
Skerries	—	—	—	—	—	430	—	606

1976 Whalsay figures are from 8/2/76.

EXTERNAL FERRIES

P&O Ferries Services:

Passengers & accompanied cars:

1978	Passenger Journeys*	Accompanied motor Vehicle Journeys
January	2043	236
February	1067	165
March	1647	235
April	2494†	306
May	4239†	412
June	6850†	792
July	7831	1137
August	9432†	1251
September	6585†	685
October	4562†	467
November	1665	254
December	2407	358
TOTALS: ..	50822	6298
1977	45352	5164
1974	29465	n/a
1971	22693	n/a

* — Each passenger journey is counted as one-way (Aberdeen - Lerwick or Lerwick - Aberdeen)

† — Figures include Mini Cruise passengers on return journeys.

Freight 1978:

Type of Freight	Tons
Groupage	35048
Self-propelled commercial vehicles	3566
Commercial Trailers	2129

SHIPPING IN LERWICK HARBOUR

	1971	1974	1976	1977	1978
General	316	439	470	442	512
H. M. Ships	41	18	33	61	42
Coal	12	9	13	12	12
Oil	51	74	99	125	145
Oil Rig Tenders	79	838	1679	1724	1827
Other Vessels	436	477	723	870	629
British Fishing	1440	901	893	727	593
Foreign Fishing	1580	1275	1357	742	473
Total All Shipping	3955	4031	5267	4703	4233
Net Registered Tonnage..	624233	823276	1442672	1612515	1602245

Foreign Fishing Vessels:

Country	1971	1974	1976	1977	1978
Bulgaria	—	—	—	—	1
Denmark	374	314	416	261	216
Faroe	242	220	203	156	52
Finland	6	1	7	—	—
France	16	8	11	23	13
Germany	3	7	4	3	5
Iceland	215	232	86	7	1
Ireland	—	—	—	3	—
Netherlands	12	4	13	5	2
Norway	551	397	524	247	170
Poland	1	39	37	14	4
Spain	—	—	—	5	—
Sweden	100	26	43	10	5
USSR	60	27	13	8	4
TOTALS:	1580	1275	1357	742	473

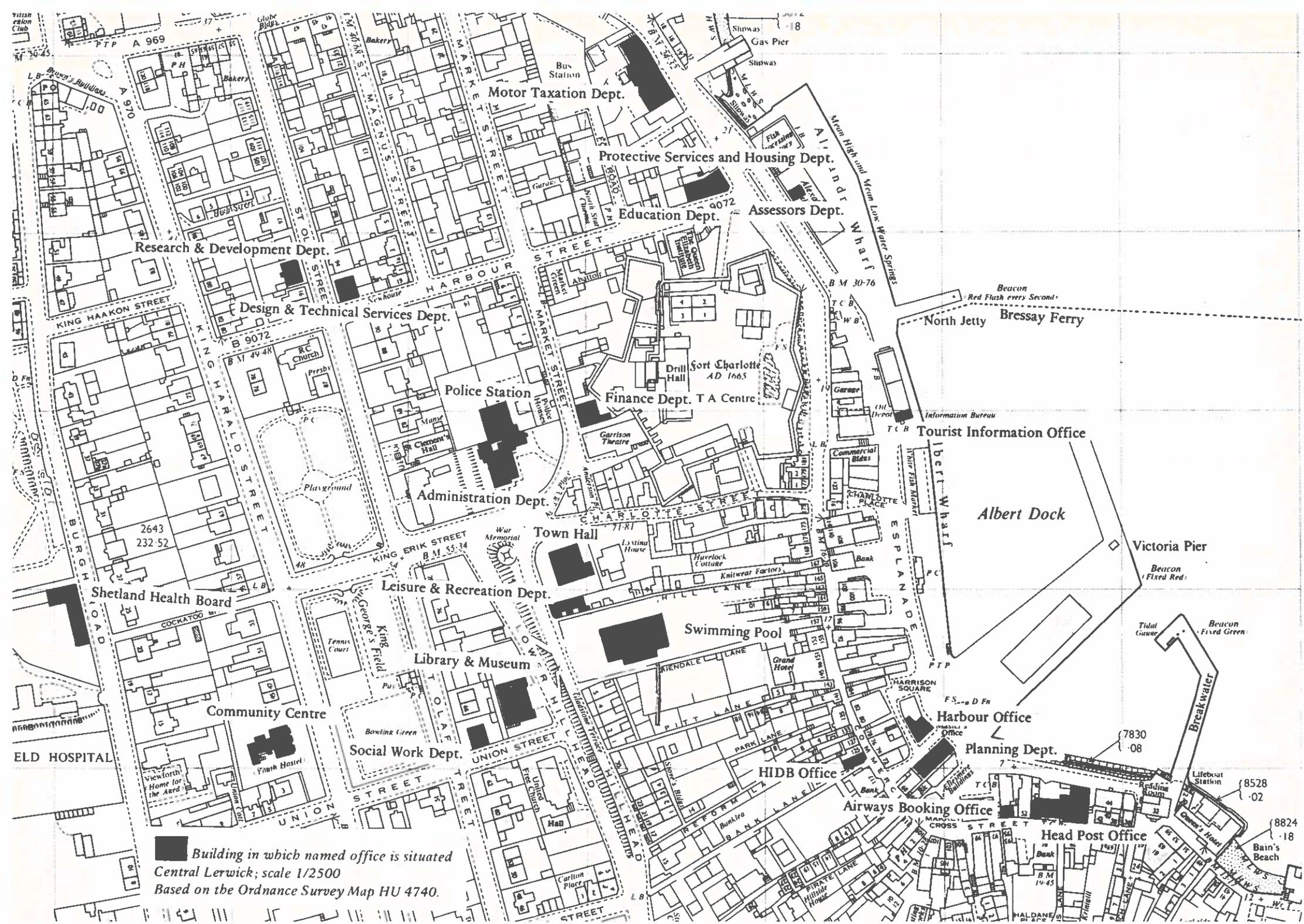
Total tonnage handled, Lerwick Harbour (tonnes):

	1971	1974	1976	1977	1978
General Cargo Imports	45760	109049	147762	173702	219962
General Cargo Exports	44191	35098	31997	38349	49057
Oil Related Imports	—	47967	161454	189186	219290
Oil Related Exports	—	52814	317884	184070	265475
TOTALS:	94951	244928	659097	585307	753784

These figures do not include weight of containers.

Lerwick Harbour Trust Revenue:

1971	£ 49,525	1975	£ 760,602
1972	52,218	1976	975,461
1973	112,620	1977	1,171,242
1974	289,227	1978	1,397,778



SULLOM VOE PORT STATISTICS

Imports	Tonnes	Commodity (Tonnes)
Foreign	1,337.931	Mainly miscellaneous.
Coastwise	337,941.66	Building materials and miscellaneous (52652.283)
		Cement (41143.136)
		Iron and Steel (21600.64)
		Non-metallic mineral manufactures (216308.240)

TOTAL IMPORTS: 338,279.591

Exports	Tonnes	Commodity (Tonnes)
Foreign	246,687.67	Crude petroleum
Coastwise	540,412.01	Crude petroleum (533,831.2)
		Road motor vehicles (2791.559)
		Other miscellaneous including building materials (2575.884)

TOTAL EXPORTS 787,099.68

SULLOM VOE CONSTRUCTION JETTY THROUGHPUT* FIGURES:

Year	Vessels	Tonnage	% Roro	Tonnage Roro
1976				
(9 July to 13 Dec)**	105	44683	3.60	1610
1977				
(12 Jan to 27 Dec) †	383	242234	5.62	13607
1978				
(8 Jan to 18 Dec) †	437	365086	3.43	12529

Notes:

* Throughput: total tonnage moved both out and in over the jetty.

** 1976 was startup of operations, hence shorter year.

† Holiday break at Christmas and New Year accounts for days with no cargo in December and January.

Operating Statistics

1. Average cargo per vessel over period of operations: 652 tons.
2. Biggest vessel in: 3800 tons.
3. Jetty Mean Low Water Springs (draught): 19 feet.
4. Jetty dimensions: approx. 300 feet long x 80 feet wide.

SUMBURGH AIRPORT

1978	Passengers	Fixed Wing Scheduled (external) Passengers	Fixed Wing Scheduled (internal) Passengers	Charter Passengers	Helicopter Passengers	
						Total Passengers
Jan.	44822	5475	186	19801	19360	
Feb.	43990	5388	170	21554	16878	
Mar.	60283	7608	212	30211	22252	
Apr.	55790	7058	241	27063	21428	
May	61602	7095	317	30770	23420	
Jun.	66336	8493	413	32492	24938	
Jul.	66203	9267	360	31978	24598	
Aug.	59835	8268	396	27237	23934	
Sept.	58913	8120	339	26700	23754	
Oct.	57437	7880	306	25662	23589	
Nov.	59702	6920	279	26711	25792	
Dec.	50579	5573	237	22972	21797	
TOTAL:		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	

Aircraft Movements and Freight:

1978	Total	Aircraft Movements		Freight (kgs.)
		Fixed Wing	Helicopter	
Jan.	3734	1702	2032	142511
Feb.	3451	1639	1812	148034
Mar.	4155	1960	2195	177739
Apr.	3817	1856	1961	49890
May	3924	2023	1901	197733
Jun.	4559	2246	2313	163268
Jul.	4784	2301	2483	173442
Aug.	4382	2061	2321	171690
Sept.	4757	2220	2537	100942
Oct.	4634	2138	2496	200492
Nov.	4695	1981	2714	212934
Dec.	3774	1716	2058	211612
	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

SCATSTA AIRFIELD TRAFFIC

1978	Total**	Passengers		Aircraft Movements	
		Inwards	Outwards	Fixed Wing	Helicopter
Jul. †	2015	951	1064	70	0
Aug.	6632	3370	3312	300	0
Sept.	6630	3219	3411	270	0
Oct.	9854	4989	4865	405	0
Nov.	10305	5378	4927	429	0
Dec.	7165	2643	4522	312	0
TOTAL:	42601	20550	22101	1786	0

† — First landing made on 25th July, 1978.

** — Most passengers are oil-related charter, although Loganair also operates a scheduled inter-island service to Scatsta.

UNST AIRPORT TRAFFIC 1978

Unst	Total	Passengers		Aircraft Movements		
		Fixed Wing	Helicopter	Total	Fixed Wing	Helicopter
	25711	14041	11670	2691	1758	933

TINGWALL AIRPORT TRAFFIC 1978

Tingwall	Total	Passengers		Aircraft Movements		
		Fixed Wing	Helicopter	Total	Fixed Wing	Helicopter
	3666	3438	238	1442	1328	114

PRIVATE AIRFIELD TRAFFIC 1978

Airfield	Total	Passengers		Aircraft Movements		
		Fixed Wing	Helicopter	Total	Fixed Wing	Helicopter
Skerries	150	150	0	68	64	4
Fetlar	76	76	0	72	72	0
Fair Isle	1021	1021	0	300*	300*	0
Foula	N/A	N/A	0	114	114	0
Whalsay	N/A	N/A	0	116*	116*	0

* — Estimate.

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, as follows:—

Shetland Health Board Population Estimates	Date	No.
	Dec. 1977	20427
	Dec. 1978	21350

Percentage Increase: 4.51%

BIRTHS, DEATHS and MARRIAGES:

	Births (Live)	Deaths	Marriages
1971	296	224	133
1974	279	231	133
1977	316	248	89
1978	325	266	n/a

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

	1931	1951	1961	1971	1974	1978
Unst	1341	1112	1151	1127	1038	1037
Yell	1883	1483	1152	1143	1168	1185
Fetlar	217	161	127	88	94	103
Whalsay	900	859	764	870	963	1005
Skerries	110	127	108	100	98	91
Mavis Grind — North	1343	1054	816	696	694	741
Delting	958	863	701	674	1180	1615
Nesting	822	563	434	380		
Tresta — Bridge of Walls	1562	1225	957	873	938	1042
West of Bridge of Walls	884	687	561	483	539	560
Foula	118	75	54	33	31	41
Papa Stour	100	68	55	24	30	42
Whiteness/Weisdale/Gott/Tingwall	1140	1604	1603	1671	782	986
Scalloway	—	—	—	—	1024	1096
Trondra	91	54	20	17	24	65
Burra	767	648	653	565	672	797
Lerwick	4221	*5538	5908	6127	6214	6885
Bressay	452	335	269	251	275	307
Quarff/Gulberwick	1518	*426	385	171	199	261
Sandwick/Cunningsburgh	1507	1376	1172	1120	1025	1226
Bigton Junction — South	1089	1021	858	848	1264	1630
Fair Isle	108	73	64	65	79	79
TOTAL POPULATION	21421	19352	17812	17327	18331	20794

* — Boundary change.

Figures in Cols. 1 to 4: Population Census.

Figures in Cols. 5 & 6: Shetland Health Board (Estimates).

Population breakdown by age and sex:

Age Group	1971			1977		
	Persons	Males	Females	Persons	Males	Females
0 - 4	1390	710	680	1705	917	788
5 - 9	1395	715	680	1710	913	797
10 - 14	1215	620	595	1636	871	765
15 - 19	1135	585	550	1302	709	593
20 - 24	1125	610	515	1644	887	757
25 - 29	1095	565	530	1617	936	681
30 - 34	975	505	470	1555	847	708
35 - 39	950	485	465	1146	646	500
40 - 44	920	475	445	1078	574	504
45 - 49	1080	565	515	1000	523	477
50 - 54	900	405	495	1016	524	492
55 - 59	1085	530	555	939	430	509
60 - 64	1100	490	610	961	455	506
65 - 69	1020	440	580	1016	435	563
70 - 74	795	345	450	856	351	505
75 - 79	560	205	355	595	235	360
80 - 84	365	120	245	339	106	233
85 +	220	60	160	237	57	180
TOTALS:	17325	8430	8895	20352	10434	9918

1971 Figures: 1971 Census.

1977 Figures: Estimates from General Register Office for Scotland.

Housing

Housing Stock (occupied units):

Type	1970	1972	1974	1976	1978	1979
Shetland Islands Council	1270	1399	1531	1919	2326	2470
Private & Others	4362	4447	4734	4809	4923	5022
Scottish Special Housing Assoc. ..	115	115	115	135	169	169
TOTALS:	5747	5961	6380	6863	7418	7661

Improvement in housing conditions within Shetland:

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

Number of houses closed as "not tolerable" (1978): 16

Number of houses improved to "tolerable standard" (1978): .. 22

Additional new houses (1978): 209

Education

Primary School Rolls as at:

	Jan 1971	Dec 1974	Jan 1977	Jan 1978	Jan 1979
Baltasound Junior High	103	92	111	121	100
Mid Yell Junior High	56	74	73	73	69
Brae Junior High	44	65	89	130	223
Symbister House Junior High ..	125	145	134	148	144
Aith Junior High	67	74	66	63	67
Scalloway Junior High	120	135	135	137	135
Sandwick Junior High	44	75	80	84	89
Haroldswick Primary	38	35	33	32	31
Uyeasound Primary	21	30	27	20	19
Cullivoe Primary	21	20	23	25	26
Burravoe Primary	38	27	34	39	44
Fetlar Primary	14	4	7	8	10
North Roe Primary	17	17	17	21	17
Firth Primary	16	—	—	—	—
Ollaberry Primary	18	14	19	23	23
Urafirth Primary	26	26	35	45	42
Olnafirth Primary	19	32	29	41	35
Lunnasting Primary	20	20	22	28	40
South Nesting Primary	16	17	18	25	25
Skerries Primary	16	13	13	10	13
Sandness Primary	6	4	9	12	9
Foula Primary	4	8	4	4	5
Papa Stour Primary	—	1	—	5	5
Happyhansel Primary	43	39	37	44	41
Gruting Primary	12	9	10	11	9
Skeld Primary	13	25	35	36	35
Whiteness Primary	31	37	70	79	92
Burra Primary	16	—	—	—	—
Hamnavoe Primary	64	57	90	95	101
Gott Primary	41	40	54	50	48
Cunningsburgh Primary	56	68	86	85	88
Dunrossness Primary	123	137	173	188	204
Fair Isle Primary	3	12	12	14	14
Quarff Primary	17	22	20	23	26
Bressay Primary	24	36	32	33	29
Lerwick: Bells Brae Primary ..	722	748	817	571	517
Lerwick: Sound Primary	—	—	—	263	322
TOTALS	2014	2158	2414	2586	2697

Increase in Primary School Roll from 1971 - 1979: 34%

Secondary School Rolls as at:

	Jan 1971	Dec 1974	Jan 1977	Jan 1978	Jan 1979
Anderson High School (Comprehensive)	571	736	809	816	885
Baltasound Junior High	36	44	61	73	63
Mid Yell Junior High	43	62	60	53	54
Brae Junior High	47	60	81	93	134
Symbister House Junior High	36	51	59	58	56
Aith Junior High	35	70	77	77	69
Scalloway Junior High	72	118	132	135	127
Sandwick Junior High	55	86	110	127	113
Skerries	2	6	6	8	6
TOTALS	897	1233	1395	1440	1507

Increase in Secondary School Roll from 1971 - 1979: 68%

Number of Primary and Secondary Teachers in Shetland:

	1971	1974	1977	1978	1979
Primary	91	106	139	145	150
Secondary	88	104	122	130	137
TOTALS	179	210	261	275	287

Increase in Number of Primary and Secondary School Teachers from 1971 - 1979: 60.33%

Health Board

Hospitals - No. of Hospitals: 4

Name	Type	No. of Beds
New Gilbert Bain Hospital	Acute	73
	(including Maternity)	
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: Establishment: 5
In Post: 3

Casualties attending Accident Department, New Gilbert Bain Hospital:

Year	No. of Casualties
1972	1082
1974	1719
1977	2626
1978	3134

Increase from 1972 to 1978: 189%

Crime

Number of Police Stations:

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

Police Manpower:

1971	1972	1973	1974	1975	1976	1977	1978
21	24	23	27	27	28	33	42

Number of Crimes and Offences:

	1972	1974	1976	1977	1978	1978
Detections						
Class 1						
Crimes against the person	17	13	16	24	104	103
Class 2						
Crimes against property with violence	25	28	43	43	40	18
Class 3						
Crimes against property without violence	97	206	177	188	264	202
Class 4						
Malicious injury to property	3	13	32	36	32	26
Class 5						
Forgery and currency crimes	-	-	-	-	3	3
Class 6						
Others not included in above	4	13	11	31	47	45
Class 7						
Miscellaneous	432	1030	1095	2781	1972	1951
(Road Traffic, Litter Act, etc.)						
TOTALS:	578	1303	1374	3103	2462	2348

Lifeboat

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

Lifeboats

	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

Number of launchings and Persons rescued by Lerwick and Aith RNLI:

	1972	1973	1974	1975	1976	1977	1978*
No. of launchings	9	9	10	6	10	14	6
No. of Persons rescued	1	13	11	0	6	8	8

* In 1978 Aith Lifeboat had no launchings for rescue purposes.

Fire Service

Total no. of Fire Units in Shetland 1978:

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	12	Portable Pump				
Bressay	12	" " "				
Fetlar	12	" " "				
Fair Isle	12	" " "				
Hamnavoe	12	" " "				
Hillswick	12	" " "				
Mid Yell	12	" " "				
Mossbank	12	" " "				
Sumburgh	12	1 Light Fire Appliance				
Scalloway	12	Portable Pump				
Sandwick	12	" " "				
Whalsay	12	" " "				
Walls	12	" " "				
TOTAL	196					
Number of Fires Attended:						
	1970	1972	1974	1976	1977	1978
Chimney Fires	22	26	13	21	32	31
Special Services (pumping out boats, properties, etc. road traffic accidents etc.) ..	3	11	2	13	7	14
Property and Small Fires ..	11	18	49	48	39	59
False Alarm, Good Intent ..	1	3	1	4	13	14
False Alarm, Malicious ..	1	1	2	1	4	3
TOTALS:	38	59	67	87	95	121

Unemployment

Unemployment percentage at June each year:

	1970	1971	1972	1973	1974	1975	1976	1977	1978
Shetland	4.1	3.8	3.7	2.2	2.2	2.9	3.5	4.0	2.9
Orkney	4.2	3.9	2.6	2.4	2.3	2.4	3.4	4.8	4.3
Western Isles	15.3	18.0	17.8	12.9	11.9	14.0	14.5	14.0	12.3
Grampian	3.0	3.7	3.6	2.4	1.8	2.3	3.3	4.3	4.3
Strathclyde	4.5	6.7	7.2	5.2	4.5	5.6	7.9	9.8	10.4
Scotland	3.8	5.5	6.0	4.3	3.6	4.7	6.7	8.6	7.6

Electricity

Number of Consumers connected by area:

	Dec. 1970	Dec. 1972	Dec. 1974	Dec. 1976	Dec. 1977	Dec. 1978
Burra/Trondra	255	262	283	330	343	345
Bressay	108	111	116	133	137	157
Unst	305	325	336	412	428	443
Whalsay	238	264	280	305	336	344
Yell	398	412	439	460	469	489
Lerwick	2768	2864	3007	3208	3261	3334
Scalloway	399	419	452	468	460	475
South Mainland	937	969	1092	1210	1279	1309
West Mainland	901	923	989	1090	1115	1154
North Mainland	740	799	853	1013	1192	1306
TOTALS:	7049	7348	7847	8629	9012	9356

Breakdown into categories:

Domestic	5390	6160	6607	7338	7691	7971
Farms	40	41	43	44	44	45
Public Lighting	5	10	11	11	22	28
Shops	210	217	223	220	220	222
Offices	64	66	68	69	70	70
Public Buildings	26	31	30	30	31	32
Hotels & Boarding Houses ..	19	19	20	22	22	22
H. M. Forces	3	4	4	4	4	4
Other Commercial & Public ..	622	727	768	818	837	888
Water, Gas & Drainage	5	9	9	9	10	10
Factories & Workshops	125	64	64	64	64	64
TOTALS:	7049	7348	7847	8629	9012	9356

Electricity cost per unit:

Rate	Shetland	Scottish Mainland
Normal Rate	2.33p	2.33p
Off-peak	1.30p	1.04p

Telecommunications

Number of S.T.B. employees:

	1977	1978
Telephonists	35	37
Engineers	52	58

Number of telephone connections as at 31st December each year:

	1970	1972	1974	1976	1977	1978
Unst	139	154	170	184	202	220
Yell	159	179	204	235	256	291
Fetlar	21	25	27	30	36	35
Northmavine	121	129	142	174	185	202
Delting	135	160	190	290	469	717
Walls & Sandness	126	135	149	162	174	181
Sandsting & Aithsting	164	184	201	220	227	245
Nesting & Lunnasting	76	83	94	107	119	127
Whalsay	189	207	235	267	275	295
Skerries	19	24	29	30	30	31
Tingwall	312	352	414	513	553	581
Bressay	54	59	62	78	86	87
Burra	118	143	156	193	201	214
Dunrossness	387	452	567	696	800	875
Lerwick	1189	1428	1698	2045	2280	2556
TOTALS:	3209	3714	4338	5224	5893	6657

Prior to 1940: All communication outwith the Islands was by telegraph cable.

1940: Shetland Islands connected telephonically with mainland of Scotland for the use of H. M. Services. Members of public only allowed to make calls on matters of extreme urgency.

1945: Trunk calls to mainland allowed.

1975: Automatic telephone exchange provided in Lerwick.

1975: Subscriber Trunk Dialling (STD) introduced throughout Shetland.

1977: International Direct Dialling (IDD) provided for all exchanges served by the Telephone Switching Centre at Lerwick.

(The 7 exchanges served by the Mid Yell switching centre — Baltasound, Burraivoe, Fetlar, Gutcher, Mid Yell, Uyeasound and Westsandwick are programmed to obtain IDD facilities in 1979.)

	Telephones in Lerwick	Telephones in rest of Shetland	Total telephones in Shetland
1940	277	96	373
1950	492	393	885
1960	703	897	1600

Number of Television Licences:

	Dec. 1970	Dec. 1975	Dec. 1976	Dec. 1977	Dec. 1978
Mono ..	4574	5356	5399	3348	2536
Colour ..	—	—	64	2508	3698
TOTALS:	4574	5356	5463	5856	6234

Postal Services

Number of P.O. employees:

	1972	1977	1978
Postal Officers	13	12	12
Postmen (Full-Time)	42	46	45*
Postmen (Part-Time)	41	23	22
Sub Postmasters	59	56	56

* At 31/12/78 there were 6 vacancies unfilled.

Letters and Parcels:

	1972	1977	1978
Letters delivered	61887	n/a	86292
Letters posted	49866	52602	64223
Parcels Delivered	3314	n/a	3993
Parcels Posted	2103	1813	1580

Rating & Valuation

Rate per Pound

	Non-Domestic		Domestic		Water	Total Rateable Value (Town & County)
	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	15,000,000†

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

† Estimate. Domestic £820,000; Non-Domestic £14,180,000.

Sumburgh Airport and Supply Bases Rateable Values are all under appeal.

Revaluations: 15th May, 1971
1st April, 1978

Shetland Islands Council Finance

REVENUE AND CAPITAL ESTIMATES: 1978/79

for period 1st April, 1978, to 31st March, 1979:

EXPENDITURE

	(Net) Revenue £ 000's	Revised Capital £ 000's
Education	4,278	2,439
Highways	1,481	2,775
Housing	442	1,950
Leisure and Recreation	250	183
Lighting	37	14
Miscellaneous Services	501	145
Planning	73	—
Ports and Harbours	(100)	16,526
Protective Services	451	92
Research and Development	112	119
Sewerage	154	361
Social Work	657	118
Transport — Ferries	274	49
Transport — Other	91	9
Water	148	2,070
Contingency	28	—
Balance Brought Forward	—	—
TOTAL	8,877	26,850

Income

Government General Grants	5,164
Electricity Contributions	25
Balance Brought Forward	281
Charged to Rates	3,407
TOTAL	8,877

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

Shetland Islands Council Finance

REVENUE AND CAPITAL ESTIMATES: 1979/80

for period 1st April, 1979, to 31st March, 1980:

	(Net) Revenue £ 000's	Estimated Capital £ 000's
Education	4,982	2,156
Highways	1,447	3,340
Housing	746	4,898
Leisure and Recreation	418	622
Lighting	40	20
Miscellaneous Services	1,779	247
Planning	124	—
Ports and Harbours	—	9,721
Protective Services	584	598
Research and Development	123	240
Sewerage	154	1,453
Social Work	767	59
Transport — Ferries	362	389
Transport — Other	135	106
Water	169	862
Contingency	845	—
Balance Brought Forward	150	—
TOTAL	12,825	24,711

Income

Government General Grants	5,300
Electricity Contributions	25
Balance Brought Forward	—
Charged to Rates	7,500
TOTAL	12,825

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

Electoral Statistics

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 (S.N.P.)	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.

OCTOBER 1974

General Election result in the Orkney & Shetland Parliamentary constituency:

Rt. Hon Jo Grimond (Lib.)	9,877
Howie Firth (S.N.P.)	3,025
Raymond Fraser (Con.)	2,495
Jonathan Wills (Lab.)	2,175
Lib. maj.	6,852

Total electorate: 26,362 (Shetland 13,311; Orkney 13,051)

FEBRUARY 1974

General Election result in the Orkney & Shetland Parliamentary constituency:

Rt. Hon. Jo Grimond (Lib.)	11,491
John Firth (Con.)	4,186
Jonathan Wills (Lab.)	2,865
Lib. maj.	7,305

Total electorate: 26,022 (Shetland 13,083; Orkney 12,939)

Shetland Islands Council

MAY 1978 - MAY 1982

Ward	Councillor
No. 1: Lerwick Sound	LINDSAY S. SMITH, 17 Kantersted Road, Lerwick.
No. 2: Lerwick Clickimin	IAN BYRNE, 2 Westerloch Crescent, Lerwick.
No. 3: Lerwick North	ALEXANDER MORRISON, 7c Brown's Buildings, Commercial Road, Lerwick.
No. 4: Lerwick Central	WILLIAM A. SMITH, 14 Bruce Crescent, Lerwick.
No. 5: Lerwick Harbour	EDWARD THOMASON, 6 Mounthooly Place, Lerwick.
No. 6: Lerwick Twageos	ALEXANDER J. CLUNESS, 5 Twageos Road, Lerwick.
No. 7: Lerwick Breiwick	JOHN C. BUTLER, 20 Hayfield Lane, Lerwick.
No. 8: Unst	WILLIAM PLAYFAIR, Nethaburn, Quarff.
No. 9: Yell North & Fetlar	DAVID J. JOHNSTON, Moreview, North Sandwick, Gutcher, Yell.
No. 10: Yell South	ROBERT S. GRAY, Sunnylea, Burravoe, Yell.
No. 11: Northmavine	CHRISTOPHER J. DOWLE, Ronas Voe, Ollaberry.
No. 12: Delting North	FRASER PETERSON, North House, Brae.
No. 13: Delting South	Dr. JAMES A. HUNTER, Kohima, Gott.
No. 14: Nesting & Lunnasting	PETER B. A. HUNTER, Billister, Bretttabister, Nesting.
No. 15: Bressay	JAMES C. IRVINE, 20 Twageos Road, Lerwick.
No. 16: Scalloway	Mrs. JEMIMA WALTERSON, Greystanes, Berry Road, Scalloway.
No. 17: Tingwall, Whiteness & Weisdale	Mrs. FLORENCE GRAINS, Hoove, Whiteness.

- No. 18: Whalsay & Skerries**
- No. 19: Sandsting & Aithsting**
- No. 20: Walls & Sandness**
- No. 21: Gulberwick, Quarff & Cunningsburgh**
- No. 22: Burra & Trondra**
- No. 23: Sandwick**
- No. 24: Dunrossness North**
- No. 25: Dunrossness South**

HENRY A. STEWART,
2 Gardentown, Symbister, Whalsay.

ALEXANDER I. TULLOCH,
Reawick House, Reawick.

GORDON A. WALTERSON,
Norby, Sandness.

Mrs. JOAN McLEOD,
1 Laxdale Road, Cunningsburgh.

LAURENCE A. WILLIAMSON,
Leagarth, East Voe, Scalloway.

PETER R. WATTS,
Netherton, Levenwick.

WILLIAM TAIT,
Bonavista, East Ireland, Bigton.

RAYMOND R. BENTLEY,
2 Hestingott, Virkie.

Community Councils

Aithsting & Sandsting Mrs. Laurena Fraser,
West Burrafirth, Bridge of Walls.

Bressay Thomas S. Black,
10 Voesside, Bressay.

Delting Alan Lovett,
11 Runafirth, Brae.

Burra & Trondra Mrs. W. Inkster,
Bon-Abri, Hamnavoe.

Dunrossness Mrs N. MacDonald,
Linksvie, Ringesta, Quendale.

Fetlar Mrs. J. M. Coutts,
Funzie, Fetlar.

Gulberwick, Quarff & Cunningsburgh Robert Jarmson,
Meal, Cunningsburgh.

Lerwick Douglas Grant,
29 Kantersted Road, Lerwick.

Nesting & Lunnasting Mrs. Elizabeth Manson,
2 Bellevue Park, Lerwick.

Northmavine Mrs. T. A. Manson,
Urafirth, Heylor.

Sandness & Walls Mrs. B. Isbister,
Foratwatt House, Walls.

Scalloway Mrs. M. Irvine,
Hillside, Port Arthur, Scalloway.

Unst Cedric Auty,
Marypark, Baltasound.

Whalsay & Skerries Henry A. Stewart,
2 Gardentown, Symbister, Whalsay.

Whiteness, Weisdale & Tingwall Mrs. D. Williamson,
11 Queens Place, Lerwick.

Yell D. R. A. Rushton,
Stonganess, Cullivoe.

Sandwick Mrs. Rosemary Inkster,
Taralea, Hoswick.

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

