

Spalding Rural District

In August the Victory Drain and the North Drove Drain (to which it leads) were polluted by a discharge of silage liquor overflowing from a blocked off ditch during heavy rain. A flow of fresh water was passed to the head of the North Drove Drain to effect some dilution, and a dam was constructed between the ditch and the drainage system.

The drains were polluted over a distance of 4½ miles, although only a few dead fish were seen. The farmer responsible was subsequently prosecuted and was fined £15.

Pollution occurred at Moulton by a discharge of effluent from a slaughterhouse, but arrangements have been made for the waste to be passed to the new Moulton sewage disposal works.

A fish mortality in the South Holland Main Drain in August was attributable to thionazin. Extensive enquiries were made, and it was found that a pesticide containing thionazin had been used on one farm, but the facts were not considered sufficient to justify a prosecution.

Spalding Urban District

When the waste disposal plant at a large fruit and vegetable packing station broke down it was again necessary to tip waste vegetables on adjoining land, causing pollution of the adjacent drain. Preventative measures were taken, but eventually the water in the drain had to be pumped to the public sewer. The case is still under investigation.

Spalding Council are preparing a comprehensive scheme of sewerage and sewage disposal for submission to the Ministry.

Stamford Municipal Borough

The Stamford Corporation completed Stage I of a scheme of sewerage and sewage disposal, and Stage II (the construction of the sewage disposal works) is in preparation. Planning permission has been refused, but it is understood that an appeal is to be made.

Thorney Rural District

The new Thorney sewage disposal works produced effluent of a satisfactory quality.

Uppingham Rural District

It is hoped that the Belton and Allexton sewerage and sewage disposal scheme will be submitted to the Ministry in 1970.

Wellingborough Rural District

The Council approved a scheme to pump sewage from Mears Ashby to an extended Earls Barton sewage disposal works. Two effluent lagoons at Earls Barton should shortly be in operation.

Phase II of the Irchester sewerage scheme was considered by the Ministry. It provides for the exclusion of surface water from the Irchester foul sewers, the provision of new sewerage, and a sewage pumping station at Knuston whereby sewage could be pumped either to the proposed Wellingborough District sewage disposal works or to a new Irchester sewage disposal works.

Two new filters were constructed at the Wollaston sewage disposal works, but the crude sewage has increased in strength, and a satisfactory effluent is very rarely discharged.

Wellingborough and District Sewerage and Sewage Disposal Scheme

It is very disappointing that no apparent progress was made on the proposed District Scheme, and some of the Councils concerned in the discussion may be less willing to co-operate. Higham Ferrers Borough Council and Irthlingborough Urban District Council are producing

improved effluent, but in each town a discharge of polluting tannery waste is discharged to the river, although Notices under the Public Health (Drainage of Trade Premises) Act, 1937, have been served on the two Councils. The need to obviate discharges of difficult tannery effluents to watercourses was one of the prime reasons for the proposals, first referred to as a Regional Scheme, but now more appropriately described as a District Scheme.

A Public Inquiry is to be held at an early date regarding a works for Wellingborough Urban District, which is likely to be the basic treatment works for the District Scheme.

Wellingborough Urban sewage effluent continued to be of high quality.

Oil pollution of the River Ise was caused by contaminated track drainage at Wellingborough Railway Station. Arrangements were made by British Rail for the installation of an oil interceptor.

West Kesteven Rural District

An extended aeration plant for Ingoldsby and Lenton was commissioned, and produced satisfactory effluent.

Improvement at the Ropsley sewage disposal works is expected following work on the filter. The County Planning Officer was asked to refuse planning applications for housing development which would further overload Ropsley sewage disposal works until extensions have been made.

Wisbech Municipal Borough

The Ministry of Housing and Local Government held a formal inquiry in October into the Corporation's proposals for a new sewage disposal works for Wisbech and part of the Wisbech Rural District. No decision has yet been reached.

5. REMEDIAL ACTION

Remedial action which has been taken in various cases is referred to in paragraph 4.

6. STATISTICS RELATING TO POLLUTION CONTROL

DISCHARGES INTO STREAMS REQUIRING CONSENT UNDER SECTION 7 OF THE 1951 ACT

	<i>Consents and notices issued during year</i>	<i>Refusals during year</i>
(a) Effluents from local authority sewage disposal works and other domestic sewage effluents ..	34	nil
(b) Effluents from storm sewage overflows and storm sewage tanks	13	nil
(c) Effluents from trade premises	2	nil
(d) Farm effluents	2	nil
Totals	51	nil

**DISCHARGES INTO TIDAL WATER REQUIRING CONSENT UNDER
SECTION 7 OF THE 1951 ACT AS EXTENDED BY
SECTION 1 OF THE 1960 ACT**

	<i>Consents and notices issued during year</i>	<i>Refusals during year</i>
(a) Effluents from local authority sewage disposal works and other domestic sewage effluents ..	nil	nil
(b) Effluents from storm sewage overflows and storm sewage tanks	nil	nil
(c) Effluents from trade premises	nil	nil
(d) Farm effluents	nil	nil
Totals	nil	nil

**REVIEWS OF CONDITIONS OF CONSENT UNDER
SECTION 5 OF THE 1961 ACT**

	<i>Consents reviewed during year</i>	<i>Consents varied during year</i>
(a) Effluents from local authority sewage disposal works and other domestic sewage effluents ..	8	nil
(b) Effluents from storm sewage overflows and storm sewage tanks	2	nil
(c) Effluents from trade premises	nil	nil
(d) Farm effluents	nil	nil
Totals	10	nil

**DISCHARGES INTO UNDERGROUND STRATA REQUIRING CONSENT UNDER
SECTION 72 OF THE 1963 ACT**

	<i>Consents issued during year</i>	<i>Refusals during year</i>
(a) Effluents from local authority sewage disposal works and other domestic sewage effluents ..	30	nil
(b) Effluents from storm sewage overflows and storm sewage tanks	nil	nil
(c) Effluents from trade premises	nil	nil
(d) Farm effluents	nil	nil
(e) Other miscellaneous discharges	nil	nil
Totals	30	nil

**EXISTING DISCHARGES INTO STREAMS UNDER SECTION 1
OF THE 1961 ACT**

<i>Consents and notices issued during year</i>	<i>Refusals during year</i>
32	nil
8	nil
nil	nil
nil	nil
Totals	40
	nil

7. RESEARCH

No research work was carried out.

RIVER NENE—ANALYTICAL RESULTS

<i>Sampling Point</i>	<i>Miles from Source</i>	<i>pH</i>	<i>Sus-pended Solids</i>	<i>Chloride (Cl.)</i>	<i>F & S Ammonia (N.)</i>	<i>Nitrates (N.)</i>	<i>4 hrs. P.V.</i>	<i>5 day B.O.D.</i>	<i>D.O. %</i>	<i>Water Temp. °C</i>	<i>Water Satura-tion</i>	<i>Flow cumec</i>
1. Non Tidal Sampling Points												
Dodford Road Bridge	5	Average Values —	12	23	0.13	3.3	1.6	2.7	107	12	23	4
		Maximum Values 8.4	27	30	0.30	4.45	2.4	4.5	121	12	23	
		Minimum Values 7.8	7	18	trace	2.25	0.8	1.2	100			
Weedon A.45 Road Bridge	—	Average Values —	11	57	0.35	4.9	2.4	3.5	121	12	23	
		Maximum Values 8.75	20	140	0.62	5.8	3.0	5.5	187			
		Minimum Values 7.75	5	33	trace	3.6	1.0	2.0	89			4
Kislingbury	12	Average Values —	11	42	0.66	4.7	2.4	3.9	104	12	24	2.09
		Maximum Values 8.5	18	78	0.99	6.25	3.2	4.9	129			
		Minimum Values 7.7	5	31	0.30	2.55	1.6	3.4	78			0.50
Boughton Crossing	—	Average Values —	35	42	0.35	8.8	3.4	4.0	98	12	23	1.50
		Maximum Values 8.15	149	54	0.76	10.05	8.4	5.0	115			6.16
		Minimum Values 7.4	10	38	trace	7.0	1.2	2.7	86			0.30
Nunn Mills	—	Average Values —	9	50	0.34	5.4	1.7	2.9	93	12	24	
		Maximum Values 8.45	13	69	0.76	8.0	2.8	5.1	113			
		Minimum Value 7.6	5	40	0.10	4.3	0.2	1.4	78			3
Billing Bridge	22	Average Values —	12	57	0.31	5.9	2.1	3.1	107	14	24	4.47
		Maximum Values 8.5	22	88	0.59	8.45	3.0	4.4	145			
		Minimum Values 7.7	5	42	0.01	3.4	1.4	1.7	84			1.01
White Mills	25	Average Values —	9	69	2.7	6.5	3.2	5.4	82	14	24	
		Maximum Values 8.55	12	110	5.60	8.10	5.0	8.3	124			
		Minimum Values 7.5	5	48	0.09	4.0	2.0	1.5	38			7
Hardwater Mill	27	Average Values —	7	73	3.0	7.1	4.1	4.6	81	13.5	24	
		Maximum Values 8.0	11	110	6.40	9.75	7.0	6.2	94			
		Minimum Values 7.4	3	50	0.74	4.0	2.6	1.7	58			6
Wollaston Mill	—	Average Values —	7	74	2.81	7.7	3.8	4.8	73	13.5	24	
		Maximum Values 8.0	12	112	4.60	10.35	4.8	6.9	98			
		Minimum Values 7.35	5	52	0.16	4.0	2.6	2.4	33			6

Sampling Point	Miles from Source	pH	Sus-pended Solids	Chloride (Cl.)	F & S Ammonia (N.)	Nitrates (N.)	4 hrs. P.V.	5 day B.O.D.	D.O. %	Water Satura-tion °C	Flow cumec
Wellington Road Bridge	30	Average Values —	7	73	2.35	7.65	3.3	5.0	93	13.5	
		Maximum Values 8.3	12	102	4.40	10.5	4.6	7.5	139	24	
		Minimum Values 7.3	4	51	0.11	4.5	2.4	1.9	61	5.5	
River Ise Wellingborough	—	Average Values —	30	66	1.03	7.05	6.0	7.8	87	12	1.22
		Maximum Values 8.3	58	92	3.00	8.45	10.0	13.9	121	22	4.38
		Minimum Values 7.3	10	48	0.04	5.6	2.2	3.8	48	4.5	0.30
Ditchford Mill	32	Average Values —	9	70	2.04	7.8	4.0	4.9	85	13	
		Maximum Values 8.1	15	96	4.40	10.0	5.4	7.4	122	24	
		Minimum Values 7.25	5	50	0.03	5.8	2.8	2.0	45	5.5	
Irlingborough Old A6 Bridge	34½	Average Values —	12	79	2.02	7.5	4.4	5.8	86	13	
		Maximum Values 8.1	18	110	4.60	10.0	5.6	8.5	103	23	
		Minimum Values 7.4	5	53	0.01	3.1	3.6	3.5	62	6	
Ringstead Lower Lock	38	Average Values —	10	84	2.3	7.80	4.2	5.4	89	13	
		Maximum Values 8.2	14	115	5.90	9.45	6.0	6.7	117	23	
		Minimum Values 7.3	5	54	0.08	5.8	2.4	3.2	56	5	
Thrapston	42	Average Values —	13	82	2.0	7.9	3.9	5.4	83	12.5	
		Maximum Values 8.05	15	106	5.6	9.45	5.8	7.9	107	23	
		Minimum Values 7.4	5	36	0.04	6.7	1.8	2.8	60	4.5	
Oundle New Bridge	55	Average Values —	12	83	1.5	7.2	4.0	4.9	96	12	
		Maximum Values 8.1	22	112	5.9	8.75	6.4	9.4	107	22	
		Minimum Values 7.6	5	50	0.11	5.3	2.4	2.1	82	3	
Fotheringay	59	Average Values —	11	81	1.2	7.3	3.8	4.2	96	12	
		Maximum Values 8.2	16	124	4.9	8.45	5.2	7.2	105	22	
		Minimum Values 7.65	5	51	0.04	5.4	2.2	1.65	84	3	
Elton Lock	—	Average Values —	12	81	1.2	7.5	3.7	4.4	94	12	
		Maximum Values 8.15	25	130	4.4	8.95	5.4	7.6	100	22	
		Minimum Values 7.5	5	50	0.08	5.4	2.4	1.8	87	3	
Willow Brook, Fotheringhay	—	Average Values —	10	143	1.6	7.65	2.8	5.3	102	11.5	0.99
		Maximum Values 8.2	18	171	4.7	8.95	3.8	9.6	112	20	1.86
		Minimum Values 7.4	5	116	0.02	6.0	1.6	1.4	91	3	0.70
Elton/Nassington Road Bridge	—	Average Values —	11	93	1.2	7.7	3.0	3.8	98	12	
		Maximum Values 8.1	16	132	4.1	9.4	4.6	5.3	105	22	
		Minimum Values 7.6	5	60	0.06	5.8	1.6	1.2	91	3	
Wansford Old A1 Bridge	66	Average Values —	10	92	1.1	7.55	3.1	4.3	99	12	
		Maximum Values 8.2	18	130	3.9	8.45	4.6	6.0	108	22	
		Minimum Values 7.6	5	60	0.11	5.6	1.8	0.9	89	3	
Peterborough Bridge	77	Average Values —	11	94	0.97	7.65	3.6	5.0	96	13	0.46
		Maximum Values 8.15	17	145	1.5	8.45	6.4	7.8	111	23	1.16
		Minimum Values 7.65	10	60	0.09	5.8	2.4	2.8	89	3	0.22
Dog-in-a-Doublet Upstream of Sluice	82	Average Values —	11	91	0.8	7.55	2.9	4.2	96	12.5	
		Maximum Values 8.35	16	142	2.4	8.95	4.0	5.6	124	23	
		Minimum Values 7.6	5	85	0.07	5.8	1.4	2.1	71	5	
Tidal Sampling Points Dog-in-a-Doublet Road Bridge	82	Average Values —	16	63	0.54	7.4	2.9	4.0	95	11.5	
		Maximum Values 8.2	22	93	0.92	9.4	3.6	4.6	109	18	
		Minimum Values 8.05	12	51	0.19	5.2	1.8	3.6	81	2	
Guyhirn Road Bridge	91	Average Values —	45	290	0.58	7.45	3.8	5.9	89	11.5	
		Maximum Values 8.25	70	960	0.77	9.4	5.0	8.9	110	18	
		Minimum Values 7.9	23	55	0.16	5.85	2.4	4.1	73	2	
Wisbech Town Bridge	97	Average Values —	70	408	0.54	7.85	4.6	7.1	91	11	
		Maximum Values 8.2	121	1000	0.97	9.9	6.4	13.6	105	17	
		Minimum Values 7.7	35	62	0.31	6.75	3.2	4.2	83	2	
Sutton Bridge	105	Average Values —	53	1160	0.38	6.8	4.5	4.1	71	11.5	
		Maximum Values 8.1	69	3800	0.82	8.45	4.8	5.0	92	18	
		Minimum Values 7.6	34	204	0.20	4.9	4.0	3.2	32	2	

RIVER WELLAND—ANALYTICAL RESULTS

Sampling Point	Miles from Source	pH	Sus-pended Solids	Chloride (Cl.)	F & S Ammonia (N.)	Nitrates (N.)	4 hrs. P.V.	5 day B.O.D.	D.O. %	Water Satura-tion °C	Flow cumec
Lubenham/Marston Trussel Road Bridge	4	Average Values —	16	30	0.26	1.1	2.70	3.8	105	12.5	
		Maximum Values 8.2	20	39	0.45	3.25	5.0	4.9	125	17	
		Minimum Values 7.6	10	24	0.03	trace	0.6	2.6	75	8	
A427 Road Bridge downstream of Market Harborough	7½	Average Values —	16	41	0.25	1.9	3.5	4.0	134	13	
		Maximum Values 8.6	22	52	0.45	3.4	6.2	4.4	192	17	
		Minimum Values 7.7	12	34	0.03	trace	1.2	3.4	69	8	
Welham	12	Average Values —	15	51	0.97	6.4	7.4	6.6	96	13	
		Maximum Values 8.2	20	62	2.9	10.05	13.8	8.9	142	17	
		Minimum Values 7.7	11	35	0.06	trace	2.8	4.2	66	8	
Ashley	15	Average Values —	17	52	0.63	7.40	4.8	5.5	110	13	
		Maximum Values 8.3	25	66	1.5	10.65	5.8	7.4	142	17	
		Minimum Values 7.75	10	39	0.04	4.75	3.4	4.0	72	8.5	
Rockingham	21½	Average Values —	10	42	0.32	6.1	3.8	3.4	108	13	
		Maximum Values 8.4	14	50	0.72	7.85	5.8	4.0	131	17	
		Minimum Values 7.8	5	28	0.06	5.0	2.2	2.3	79	7.5	
Eyebrook at Caldecote	—	Average Values —	5	31	0.19	1.0	2.5	2.4	94	13	
		Maximum Values 8.4	8	36	0.37	3.0	3.0	3.1	117	17	
		Minimum Values 7.6	3	26	0.01	trace	1.6	1.9	82	7.5	
Gretton, Upstream Of Sluice	24½	Average Values —	9	41	0.57	4.95	3.3	4.8	109	13	

Sampling Point	Miles from Source	pH	Sus-pended Solids	Chloride (Cl.)	F & S Ammonia (N.)	Nitrates (N.)	4 hrs. P.V.	5 day B.O.D.	D.O. %	Water Satura-tion	Temp. °C	Flow cumec
Inlet to Coronation Channel	67½	Average Values —	17	45	0.22	5.4	2.4	4.8	118	13		
		Maximum Values	8.4	26	0.41	6.4	2.8	7.7	148	17		
		Minimum Values	7.9	9	0.06	4.35	2.0	3.1	99	9		
Tidal Sluice Coronation Channel	70	Average Values —	22	81	0.27	5.1	2.70	6.4	121	13		
		Maximum Values	8.35	26	0.56	6.4	4.0	9.6	166	17		
		Minimum Values	7.95	13	0.01	3.7	0.8	3.8	83	9		
Fosdyke Bridge (Tidal Section)	—	Average Values —	134	4681	0.23	2.1	7.1	15.70	69	13		
		Maximum Values	8.05	330	0.3	6.3	13.2	40.0	113	17		
		Minimum Values	7.3	24	0.13	Nil	4.0	3.4	6	9		

RIVER ISE—ANALYTICAL RESULTS

Clipston and Oxendon Station	3	31.7.69	7.2	19	41	1.2	3.75	6.6	3.5	67	12	
Newbottle Bridge	6	31.7.69	7.3	15	28	0.63	1.35	6.4	2.6	72	14	
Rushton Bridge	10	31.7.69	7.2	8	34	0.87	2.0	6.4	2.6	67	13	
Geddington A43 Road Bridge	13½	31.7.69	7.4	11	30	0.41	1.35	6.0	2.3	85	14.5	
Warkton	15	31.7.69	7.4	8	30	0.37	1.95	6.0	2.6	89	15	
Barton Seagrave	17	31.7.69	7.5	11	30	0.38	1.75	6.0	2.6	89	14.5	
Slade Brook A504 Road Bridge	—	31.7.69	7.6	22	53	0.53	6.2	3.2	2.2	78	15	
Finedon Station	19½	31.7.69	7.6	11	38	0.62	3.05	5.4	2.4	82	15	
Harrowden Road Bridge	21	31.7.69	7.2	20	51	1.10	6.5	6.6	5.8	77	17	1.83
Finedon Road Bridge	22	31.7.69	7.3	18	46	0.68	5.8	6.0	4.2	77	16	
British Leyland Wellingborough	22½	31.7.69	7.25	17	47	0.68	4.85	4.8	3.0	75	16	

HARPER'S BROOK—ANALYTICAL RESULTS

Pipewell	2½	23.4.69 8.10.69	8.0 7.65	20 12	39 45	0.46 2.4	1.15 nil	6.4 3.8	6.0 4.3	102 43	9.5 14.0	
Spread Eagle A6003 Road Bridge	4	23.4.69 8.10.69	8.15 7.85	23 16	42 49	0.3 0.22	trace trace	4.2 6.2	3.8 4.8	104 70	9 14	
Little Oakley Road Bridge	6	23.4.69 8.10.69	8.2 7.75	13 9	43 37	0.19 0.40	trace nil	3.4 2.2	4.9 4.4	124 84	8.5 14	
Brigstock, Grafton Road Bridge	10	23.4.69 8.10.69	8.05 7.6	10 7	43 43	0.15 0.09	1.45 3.2	2.8 1.2	4.4 1.8	132 78	9.5 13	
Sudborough	12	23.4.69 8.10.69	8.35 7.85	8 10	42 49	0.14 0.11	1.95 3.45	2.8 1.8	5.0 1.7	154 93	9.5 14	
Lowick	13½	23.4.69 8.10.69	8.0 7.8	8 9	42 43	0.61 0.11	1.9 2.6	2.6 1.4	4.3 1.6	113 85	9.5 14	
A6116 Road Bridge	14½	23.4.69 8.10.69	8.2 7.95	12 7	45 42	1.0 0.07	2.3 3.35	4.4 1.6	7.5 2.6	137 112	10 14.5	0.35 0.10

WILLOW BROOK—ANALYTICAL RESULTS

Sampling Point	Miles from Source	pH	Sus-pended Solids	Chloride (Cl.)	F & S Ammonia (N.)	Nitrates (N.)	4 hrs. P.V.	5 day B.O.D.	D.O. %	Water Satura-tion	Temp. °C	Flow cumec
Northern Stream, Weldon Lodge	—	Average Values —	25	508	16.7	0.70	10.3	7.3	59	11.5		
		Maximum Values	7.45	44	24.3	2.15	13.4	8.4	80	15.5		
		Minimum Values	6.6	16	6.0	trace	7.2	5.5	47	7		
Central Stream, Water Lane	—	Average Values —	14	107	7.8	3.3	10.3	8.9	52	19		
		Maximum Values	8.9	18	13.0	5.8	20.0	16.0	64	23		
		Minimum Values	7.9	10	2.9	2.05	4.0	5.4	34	15.5		
Southern Stream, Great Weldon Road Bridge	5	Average Values —	24	174	4.7	18.4	7.5	12.1	71	10.5		
		Maximum Values	7.7	34	212	7.7	34.5	8.4	16.5	83	16	
		Minimum Values	6.95	17	107	3.0	6.25	6.8	7.7	53	4.5	
Deene Lake Outlet	8	Average Values —	11	174	6.9	8.3	10.2	11.8	84	10.5		
		Maximum Values	7.95	22	218	10.7	12.5	16.4	15.0	97	16	
		Minimum Values	7.5	4	124	2.1	5.8	5.0	7.5	76	4.5	
Gretton Brook, Hollow Bottom Lodge	—	Average Values —	12	50	0.13	2.8	1.0	1.9	107	9.5		
		Maximum Values	7.8	17	57	0.18	4.9	1.2	2.5	113	14	
		Minimum Values	7.7	8	44	Nil	0.8	1.0	100	100	4	
Bulwick A43 Road Bridge	9	Average Values —	21	162	6.7	7.9	7.1	12.4	88	10.5		
		Maximum Values	7.95	31	184	8.8	11.0	11.6	15.0	93	16	
		Minimum Values	7.35	7	129	2.1	5.35	4.6	7.0	84	4	
Blatherwycke Bridge	10½	Average Values —	44	166	7.0	7.95	8.3	13.3	73	10.5		
		Maximum Values	7.85	75	181	10.2	10.65	11.6	17.0	90	16	
		Minimum Values	7.25	27	142	1.9	5.8	5.6	6.6	53	4.5	
Kingscliffe Bridge	13½	Average Values —	8	156	3.6	8.25	4.5	8.1	97	10		
		Maximum Values	8.5	34	169	9.75	5.20	12.4	113	16		
		Minimum Values	7.55	9	138	0.17	6.70	3.2	3.3	87	3	
Apethorpe Bridge	15	Average Values —	18	143	2.9	8.4	3.7	7.1	94	9.5		
		Maximum Values	8.45	33	156	5.6	9.3	4.4	10.9	100	16	
		Minimum Values	7.5	7	126	0.11	7.15	2.6	2.4	86	3	
Woodnewton Bridge	17	Average Values —	18	141	2.3	7.3	3.6	8.4	113	10		
		Maximum Values										

Sampling Point	Miles from Source	RIVER CHATER—ANALYTICAL RESULTS									
		pH	Sus-pended Solids	F & S Chloride (Cl.)	Ammonia (N.)	Nitrates (N.)	4 hrs. P.V.	5 day B.O.D.	D.O.% Satura-tion	Water Temp. °C.	Flow cumec
Ridlington	5½	6.5.69	7.2	1,094	14	0.81	9.9	28.2	8.4	85	9
Manton Station	8	6.5.69	7.2	1,002	18	0.76	10.8	24.2	9.1	85	9
North Luffenham Bridge	11½	6.5.69	7.4	676	18	0.59	8.25	20.2	6.6	84	9
North Luffenham Station	12½	6.5.69	7.5	632	18	0.59	8.5	21.4	8.9	83	9
A6121 Road Bridge	13½	6.5.69	7.6	712	15	0.55	4.85	21.2	9.4	86	9
Station Road, Ketton	15½	6.5.69	7.6	668	16	0.40	3.65	21.0	8.2	85	9 9.27

RIVER GWASH—ANALYTICAL RESULTS

Sampling Point	Miles from Confluence	RIVER GWASH—ANALYTICAL RESULTS									
		pH	Sus-pended Solids	F & S Chloride (Cl.)	Ammonia (N.)	Nitrates (N.)	4 hrs. P.V.	5 day B.O.D.	D.O.% Satura-tion	Water Temp. °C.	Flow cumec
Manton A6003 Road Bridge (S. Gwash)	—	29.5.69	8.25	10	20	0.03	1.5	4.6	2.1	112	14
Normanton Park (S. Gwash)	—	29.5.69	8.2	16	24	0.02	3.0	4.4	2.4	113	14
Fox Bridge (N. Gwash)	14	29.5.69	8.2	13	38	0.24	4.3	5.8	3.6	110	14
Bull Bridge (N. Gwash)	12	29.5.69	8.3	13	35	0.03	4.5	4.6	3.0	117	14
Church Bridge, Empingham	10	29.5.69	8.15	20	29	0.03	4.1	4.2	2.2	105	14
North Brook, Empingham	—	29.5.69	8.3	28	30	0.05	6.9	3.2	4.4	115	14
Great Casterton	6	29.5.69	8.0	25	28	0.02	5.7	2.4	3.2	108	14
Upstream of Ryhall	3	29.5.69	8.0	30	28	0.05	5.6	4.0	2.7	106	14
Downstream of Ryhall	2	29.5.69	8.15	40	31	0.03	5.5	3.2	3.2	109	14 1.92
Upstream of Confluence with Welland	—	29.5.69	8.15	36	30	0.02	5.2	3.6	3.0	114	14

RAM DYKE—ANALYTICAL RESULTS

Sampling Point	Miles from Confluence	RAM DYKE—ANALYTICAL RESULTS									
		pH	Sus-pended Solids	F & S Chloride (Cl.)	Ammonia (N.)	Nitrates (N.)	4 hrs. P.V.	5 day B.O.D.	D.O.% Satura-tion	Water Temp. °C.	Flow cumec
Helpston	4½	Average Values	—	41	56	0.86	3.3	19.8	54.0	93	15
		Maximum Values	7.7	114	118	2.9	10.55	52.8	138.0	145	22
		Minimum Values	6.4	12	32	0.23	Nil	5.6	9.0	68	7
Helpston Road, Glinton	2½	Average Values	—	20	49	0.46	5.85	8.7	19.3	82	12.5
		Maximum Values	7.8	48	72	1.3	14.9	28.4	76.0	127	21
		Minimum Values	6.8	5	34	0.05	Nil	1.6	2.4	29	4
Deeping Gate Road, Peakirk	¾	Average Values	—	15	60	0.30	7.7	3.5	6.5	97	10.5
		Maximum Values	8.15	51	93	1.0	13.8	8.8	14.0	163	20
		Minimum Values	7.4	5	45	Nil	1.2	2.7	40	4	

GENERAL INFORMATION

1. RECREATIONAL FACILITIES

(a) Fishing

The fishing rights vested in or controlled by the Authority are as stated in the Second Annual Report. The statistics for the past year are included in Part V.

(b) Pleasure Navigation

The position relating to the lower Welland is as stated in the Second Annual Report.

Five hundred and seven locally owned pleasure craft (an increase of 9) were registered for use on the Nene, and owners of a further 97 craft have been supplied with keys for the navigation locks to make limited journeys, or for limited periods.

2. COMMERCIAL NAVIGATION

Wisbech Corporation are the Port and Harbour Authority for the River Nene from Bevis Hall above the town to the sea. According to the statistics kindly supplied by the Town Clerk, 288 vessels used the port, of a total of 67,457 net registered tons. The imports amounted to 126,523 tons, of which petrol, timber and potash were the principal items, and exports amounted to 17,834 tons, of which peas accounted for over 9,000 tons.

3. EAST OF ENGLAND SHOW EXHIBIT

Prompted in particular by the need for publicity as to the reasons for and the consequences of Empingham Reservoir, it was decided to mount an exhibit at the East of England Show. The Water Resources Board's exhibit was included. It was the first attempt at "show business". The Stand was visited by H.R.H. the Duchess of Gloucester, H.R.H. Prince Richard of Gloucester, the President of the National Farmers' Union, and in all 7,198 people passed through.

The Authority were awarded a Special Prize:

"For the Trade Stand of most outstanding merit by reason of originality, educational or instructional value ingenious construction or other outstanding feature."

Many visitors took great interest in the exhibit and were impressed by what they saw. It proved to be a very worthwhile exercise in public relations.

Part VIII—Information about

TABLE 1—

Statement of Income and Expenditure on Loan and

Year 1968/69			Year 1969/70		
Revenue Account	Loan Account	Grand Total Item	Revenue Account	Loan Account	Grand Total
£	£	£	£	£	£
Capital Transactions					
<i>Grant-Aided Works</i>					
18,139	—	18,139	1 Hydrometric Works (for details see Table 3) ..	17,745	— 17,745
—	—	—	2 Contributions to other Authorities under section 91 of the Water Resources Act, 1963 ..	—	—
3,397	36,924	40,321	3 Water Conservation Works (for details see Table 3) ..	1,464	31,719 33,183
—	—	—	4 Contributions to other Authorities under section 91 of the Water Resources Act, 1963 ..	—	—
1,744	—	1,744	5 Other items ..	—	—
23,280	36,924	60,204		19,209	31,719 50,928
Revenue Transactions					
6 Water Conservation Works					
Loan Charges:					
Principal repaid ..					
Interest ..					
Contributions to Sinking Fund ..					
7 Hydrometric Works					
Loan Charges:					
Principal Repaid ..					
Interest ..					
Contributions to Sinking Fund ..					
3,371	3,371	8 Maintenance of Works ..	2,972	—	2,972
9 Compensation for revocation or variation of a Licence under					
(a) Section 46 of the Water Resources Act, 1963 ..					
(b) Section 47 of the Water Resources Act, 1963 ..					
10 Payments arising under actions for derogation of protected rights under Section 50 of the Water Resources Act, 1963 ..					
11 Expenditure on prevention of pollution under section 68 of the Water Resources Act, 1963 ..					
12 Expenditure on special measures for improving the quality of water resources under section 77 of the Water Resources Act, 1963 ..					
13 Payments to other accounts under section 83 (3) (b) of the Water Resources Act, 1963 ..					
14 Provision of recreational facilities ..					
15 Contributions to other Authorities under section 91 of the Water Resources Act, 1963 ..					
16 Estates ..					
17 Administrative Charges:					
Salaries and allowances ..					
Office accommodation ..					
Office expenses ..					
Legal and Parliamentary costs, etc. ..					
Other items ..					
18,070	—	Proportion of General Administrative Charges ..	15,026	—	34,748
56	—	18 Proportion of General Charges ..	2,249	—	2,249
1,236	—	19 Contribution to Reserve Fund ..	—	—	—
2,656	—	20 Contributions to Replacement Fund ..	—	—	—
11,925	33,943	21 Other items ..	—	—	—
763	763	Total—Water Resources Account ..	59,178	31,719	90,897
—	—	22 Balance—Income in excess of Expenditure for the year ..	1,928	—	1,928
61,357	36,924		61,106	31,719	92,825

Expenditure and Income

WATER RESOURCES

Revenue Accounts—Year ended 31st March, 1970

Year 1968/69			Year 1969/70		
Revenue Account	Loan Account	Grand Total Item	Revenue Account	Loan Account	Grand Total
£	£	£	£	£	£
Capital Transactions					
<i>Grant-Aided Works</i>					
9,839	—	9,839	1 Loans raised ..	..	..
—	—	—	2 Exchequer Grants ..	..	..
—	—	—	3 Contributions from other Authorities under Section 91 of the Water Resources Act, 1963 ..	..	..
—	—	—	4 Contributions from Reserve Fund ..	..	..
<i>Non-Grant-Aided Works</i>					
—	—	—	5 Loans raised ..	..	..
—	—	—	6 Contributions from other Authorities, etc. ..	..	..
—	—	—	7 Contributions from Reserve Fund ..	..	..
—	—	—	8 Contributions from Replacement Fund ..	..	..
—	—	—	9 Other items ..	..	..
9,839	—	9,839			8,638
Revenue Transactions					
3,089	—	3,089	10 Licence Fees ..	..	..
264	—	264	11 Charges for water ..	..	..
—	—	—	12 Estates—Rents, Wayleaves, etc. ..	..	..
—	—	—	13 Contributions by Minister towards Compensation for revocation or variation of Licences under		
—	—	—	(a) Section 51(2) of the Water Resources Act, 1963 ..	..	..
—	—	—	(b) Section 51(3) of the Water Resources Act, 1963 ..	..	..
—	—	—	14 Contributions by Minister under section 51(1) of the Water Resources Act, 1963 towards payments arising under action for derogation of protected rights under		
—	—	—	section 50 of the Water Resources Act, 1963 ..	..	..
—	—	—	15 Income for the provision of recreational facilities ..	..	..
—	—	—	16 Contributions from other accounts under section 83(2) of the Water Resources Act, 1963 ..	..	..
—	—	—	17 Contributions from Water Resources Board under section 90 of the Water Resources Act, 1963 ..	..	..
—	—	—	18 Contributions from other Authorities under section 91 of the Water Resources Act, 1963 ..	..	..
—	—	—	19 Contributions from Replacement Fund ..	..	..
—	—	—	20 Contributions from Reserve Fund ..	..	..
—	—	—	21 Other Income ..	..	..
45,300	—	45,300	22 Precepts (for details see table 5) ..	..	..
58,514	—	58,514	Total—Water Resources Account ..	..	61,106
2,843	36,924	39,767	23 Balance—Expenditure in excess of Income for the year ..	..	31,719
61,357	36,924	98,281			92,825

TABLE 2—INFORMATION ABOUT EXPENDITURE AND

Statement of Income and Expenditure on Loan and

Year 1968/69			Year 1969/70		
Revenue Account	Loan Account	Grand Total Item	Revenue Account	Loan Account	Grand Total
£	£	£	£	£	£
LAND DRAINAGE					
Capital Transactions					
252,770	3,289	256,059	1 Grant Aided Works etc. (for details see Table 4) ..	347,792	— 347,792
12,416	—	12,416	2 Non Grant Aided Works etc. (for details see Table 4) ..	50,669	— 50,669
265,186	3,289	268,475		398,461	— 398,461
Revenue Transactions					
3 New Works and Improvement Schemes:					
90,686	—	—	Loan Charges:		
79,084	—	169,770	Principal Repaid	85,577	— —
101,642	—	101,642	Interest	75,694	— 161,271
191	—	191	4 Maintenance of Works	122,286	— 122,286
—	—	—	5 Contributions to Water Resources account under section 83(2)(b) of the Water Resources Act, 1963 ..	—	—
—	—	—	6 Contributions to Internal Drainage Boards ..	191	— 191
—	—	—	7 Prior Charges	—	—
—	—	—	8 Subsidiary Accounts (e.g. Motor Vehicle and Plant, On Cost etc. Accounts) balance of expenditure ..	—	—
—	—	—	Deduct—amount transferred to other accounts in excess of expenditure for the year	—	—
2,197	—	2,197	9 Estates	1,661	— 1,661
48,137	—	—	10 Administrative Charges	—	—
1,762	—	—	Salaries and Allowances	55,684	— —
3,888	—	—	Office Accommodation	1,632	— —
—	—	—	Office Expenses	4,419	— —
22,397	—	76,184	Legal and Parliamentary Costs, Stamp Duty, etc. ..	—	—
Cr. 4,003	—	Cr. 4,003	Items other than shown above	617	— —
—	—	—	Proportion of General Administrative Charges (see Item 27 Income)	29,962	— 92,314
686	—	—	11 Proportion of General Charges (see Item 30) ..	.. Cr. 5,346	— Cr. 5,346
319	—	—	12 Other Items	—	—
4,545	—	—	Navigation dues refunded	586	— —
1,443	—	6,993	Emergency Pumping Equipment	375	— —
618,160	3,289	621,449	Contributions Sea Defence Works	611	— —
			Crowland Bank Charges	4,545	— —
			Bourne Eau Pumping Station	801	— 6,918
			Total—LAND DRAINAGE	777,756	— 777,756

INCOME (OTHER THAN FOR WATER RESOURCES)

Revenue Accounts—Year ended 31st March, 1970

Year 1968/69			Year 1969/70		
Revenue Account	Loan Account	Grand Total Item	Revenue Account	Loan Account	Grand Total
£	£	£	£	£	£
LAND DRAINAGE					
Capital Transactions					
Grant-Aided Works					
—	—	—	1 Loans raised (for details see Table 4)	—	—
10,970	—	10,970	2 Contributions from Local Authorities, Private Front-agers, etc.	16,489	— 16,489
192,173	—	192,173	3 Exchequer Grants—Schemes financed from Revenue	192,992	— 192,992
—	—	—	4 Other items	—	—
—	—	—	Non Grant-Aided Works		
—	—	—	5 Loans Raised (for details see Table 4)	—	—
—	—	—	6 Contributions from Local Authorities, Private Front-agers, etc.	—	—
—	—	—	7 Other Items		
4,027	—	4,027	Sale of Property	98	— 98
207,170	—	207,170		209,579	— 209,579
Revenue Transactions					
8 New Works and Improvement Schemes:					
122,550	—	122,550	Exchequer Grant towards Loan Charges	117,748	— 117,748
9 Maintenance of Works:					
3,000	—	3,000	Contributions from Local Authorities, Private Front-agers, etc.	—	—
1,774	—	1,774	Commutation Fund—Interest	1,736	— 1,736
—	—	—	Other Items	—	—
—	—	—	10 Contributions by Local Authorities under section 17 of the Land Drainage Act, 1961	—	—
9,330	—	9,330	11 Contributions from Water Resources Account under section 83(3)(b) of the Water Resources Act, 1963	—	—
1,409	—	1,409	12 Estates—Rents, Wayleaves, etc.	7,810	— 7,810
—	—	—	13 Administrative Charges:		
179	—	179	Recovered through Rechargeable Works, Fees, etc.	354	— 354
820	—	820	Apportioned to and excluded in Capital Expenditure and Subsidiary Revenue Accounts	—	—
—	—	—	14 Other items		
—	—	—	Navigation Dues	5	— 5
—	—	—	Miscellaneous Income	3,479	— 3,479
346,232	—	346,232	Total—LAND DRAINAGE	340,711	— 340,711

Year 1968/69			Year 1969/70					
FISHERIES								
Capital Transactions								
273	—	273	13 Non Grant-Aided Works — — —					
Revenue Transactions								
		14	Loan Charges:					
			Principal Repaid — — —					
			Interest — — —					
2,974	—	2,974	15 Hatcheries 3,425 — 3,425					
2,867	—	2,867	16 Water Bailiffs and Inspectorate 3,097 — 3,097					
		17	Maintenance and Development of Fisheries (including Provision and Maintenance of Equipment)					
		18	Contribution to Water Resources Account under section 83(2)(b) of the Water Resources Act, 1963					
1,103	—		19 Administrative Charges					
29	—		Salaries and Allowances 1,208 — —					
566	—		Office Accommodation 37 — —					
			Office Expenses 661 — —					
			Legal and Parliamentary Costs, Stamp Duty, etc.					
			Other items					
2,649	—	4,347	Proportion of General Administrative Charges (see Item 27 Income) 3,435 — 5,341					
405	—	405	Proportion of General Charges (see Item 26 Income) 1,864 — 1,864					
1,316	—	1,316	Other Items 1,297 — 1,297					
12,182	—	12,182	Total—FISHERIES 15,024 — 15,024					

Year 1968/69			Year 1969/70					
FISHERIES								
Capital Transactions								
		15	Non Grant-Aided Works — — —					
Revenue Transactions								
		16	Fishery Licences:					
			Salmon — — —					
			Trout — — —					
			Freshwater Fish — — —					
1,524	—	1,524	10,276 — 10,276	1,470	— —			
1,363	—	1,363	13,163 — 13,163	10,571	— —			
			17 Contributions assessed on private Fisheries	1,299	— 13,340			
			18 Hatcheries (including Sale of Fish)	—	—			
			19 Contribution from Water Resources Account under Section 83 (3)(b) of the Water Resources Act, 1963	—	—			
			20 Administrative Charges recovered	2,311	— 2,311			
1,564	—	1,564	21 Other items	2,311	— 2,311			
14,727	—	14,727	Total—FISHERIES	15,651	— 15,651			

POLLUTION PREVENTION

Capital Transactions					
22 Non Grant-Aided Works (for details see Table 4)					
Revenue Transactions					
23 Loan Charges:					
Principal Repaid — — —					
Interest — — —					
24 Laboratories:					
Maintenance and Upkeep of Buildings — — —					
Staff Salaries and Allowances 5,182 — —					
Other Expenses 1,921 — 7,103					
25 Analyst's Fees — — —					
26 Water Bailiffs and Inspectorate 5,899 — 5,899					
27 Administrative Charges:					
Salaries and Allowances 3,809 — —					
Office Accommodation 611 — —					
Office Expenses 114 — —					
Legal and Parliamentary Costs, Stamp Duty, etc.					
Other Items — — —					
Proportion of General Administrative Charges (see Item 27 Income) 4,062 — 8,596					
Proportion of General Charges (see Item 26 Income) 1,852 — 1,852					
Other items — — —					
23,411	—	23,411	Total—POLLUTION PREVENTION 23,450 — 23,450		

POLLUTION PREVENTION

Capital Transactions					
22 Capital Transactions Details to be given					
Revenue Transactions					
23 Rechargeable Services — — —					
24 Administrative Charges recovered — — —					
25 Other items — — —					
711	—	711	Total—POLLUTION PREVENTION	711	— 711

GENERAL CHARGES

30 GENERAL CHARGES		
Interest, Bank Commission, etc. — — —		
Subscriptions 627 — —		
Members' Allowances and Chairman's Remuneration 1,005 — —		
Insurance 478 — —		
Audit Stamp Duty 460 — —		
Other Items 6,075 — —		
Allocation to Main Services:		
Land Drainage (see Item 11) 5,346 — 13,991		
Total—GENERAL CHARGES 13,991 — 13,991		

26 GENERAL CHARGES

5,157	—	5,157	Interest — — —	..	8,026	—	8,026
			Other Items — — —	..	—	—	—
			Allocation to Main Services, etc.				
			Land Drainage (see Item 11 Expenditure) .. .. ..	..	—	—	—
			Fisheries (see Item 20 Expenditure) .. .. ..	..	1,864	—	—
			Pollution Prevention (see Item 28 Expenditure) .. .. ..	..	1,852	—	—
			Water Resources (see Item 18 Table 1) .. .. ..	..	2,249	—	5,965
6,718	—	6,718	Total—GENERAL CHARGES .. .. ..	..	13,991	—	13,991