

Sampling Point	Miles from Source		pH	Suspended Solids	Chloride (Cl.)	F & S Ammonia (N)	Nitrates (N)	4 hrs. P.V.	5 day B.O.D.	D.O. % Saturation	Water Temp. °C	Flow m.g.d.
Fotheringhay	59	Average Value	—	9	50	0.60	5.8	4.0	4.3	102.0	13.0	
		Maximum Value	8.45	19	56	1.25	9.2	5.6	5.9	116.5	18.5	
		Minimum Value	7.7	5	47	0.20	trace	2.4	2.0	86.0	7.0	
Willow brook at Fotheringhay	—	Average Value	—	12	104	1.55	7.4	4.2	7.4	94.5	11.0	18.7
		Maximum Value	8.35	21	128	3.55	9.6	5.8	11.0	116.0	18.0	22.6
		Minimum Value	7.65	5	86	0.20	trace	3.4	5.0	81.5	2.5	13.7
Wansford Old A.1 Bridge	66	Average Value	—	8	57	0.55	6.2	4.1	4.4	100.5	12.5	
		Maximum Value	8.5	11	72	1.20	9.2	6.2	6.0	109.0	18.5	
		Minimum Value	7.8	5	48	0.20	trace	2.4	3.2	93.0	6.5	
Peterborough Bridge	77	Average Value	—	9	54	0.50	6.0	4.6	4.3	108.5	14.0	206.5
		Maximum Value	8.5	17	67	1.00	9.0	6.8	5.8	125.5	20.5	332.0
		Minimum Value	7.7	5	47	0.20	trace	2.8	3.1	94.5	7.0	92.0
Dog-in-a-Doulet Upstream of Sluice	82	Average Value	—	13	55	0.55	6.1	4.6	5.0	116.5	13.5	
		Maximum Value	8.6	34	74	1.10	9.0	7.0	10.0	201.0	20.0	
		Minimum Value	7.75	5	45	0.20	trace	3.2	2.5	91.0	6.5	
<b>Tidal Sampling Points</b>												
Dog-in-a-Doulet Road Bridge	82	Average Value	—	43	60	0.45	4.6	4.9	5.1	96.5	14.5	
		Maximum Value	8.5	165	86	0.75	9.2	8.8	7.0	125.0	20.0	
		Minimum Value	7.7	5	45	nil	trace	3.2	2.8	87.0	6.5	
Guyhirn Road Bridge	91	Average Value	—	101	86	0.85	5.2	7.4	7.0	88.0	14.0	
		Maximum Value	8.15	190	98	1.20	9.6	10.2	8.3	115.5	19.5	
		Minimum Value	7.6	60	68	nil	1.4	5.6	5.1	73.5	6.5	
Wisbech Town Bridge	97	Average Value	—	119	105	0.80	6.0	7.8	7.0	80.0	14.0	
		Maximum Value	8.3	230	140	1.30	8.3	12.0	8.3	113.0	19.5	
		Minimum Value	7.35	80	70	nil	3.9	5.2	4.7	52.5	7.0	
Sutton Bridge	105	Average Value	—	157	250	0.60	4.6	8.1	6.8	70.5	13.5	
		Maximum Value	7.9	230	525	1.35	7.7	9.2	9.15	92.5	18.5	
		Minimum Value	7.35	100	64	nil	1.3	6.8	5.0	39.5	7.0	

## RIVER WELLAND—ANALYTICAL RESULTS

Lubenham/Marston Trussel Road	4	Average Value	—	38	34	0.4	1.9	3.5	3.7	101.0	10.0	
		Maximum Value	8.1	95	41	0.5	3.1	4.0	5.0	119.0	14.0	
		Minimum Value	7.6	5	27	0.3	0.8	2.8	2.5	86.0	5.5	
A.427 Road Bridge downstream of Market Harborough	7½	Average Value	—	63	42	0.3	2.1	5.2	4.1	116.0	10.0	
		Maximum Value	8.3	180	46	0.6	3.7	8.4	4.9	138.0	14.5	
		Minimum Value	7.8	5	38	0.15	1.0	3.6	3.4	86.5	5.0	
Welham	12	Average Value	—	14	45	1.25	3.4	5.1	5.2	69.0	11.0	
		Maximum Value	8.25	45	58	2.1	6.7	7.6	12.0	127.0	19.0	
		Minimum Value	7.3	5	34	0.65	0.8	3.2	2.6	24.5	3.0	
Ashley	15	Average Value	—	12	40	0.35	2.3	2.9	4.3	103.0	10.5	
		Maximum Value	8.4	20	49	0.5	3.0	3.2	5.0	123.5	15.0	
		Minimum Value	7.5	5	36	0.2	1.0	2.8	3.4	90.0	5.0	
Rockingham	21½	Average Value	—	12	44	0.25	3.3	3.3	3.5	107.0	10.5	
		Maximum Value	8.45	20	50	0.4	4.9	4.4	4.5	135.5	14.5	
		Minimum Value	7.6	5	36	0.15	2.0	2.4	2.9	90.0	5.0	
Eyebrook at Caldecott	—	Average Value	—	6	31	0.25	0.2	3.2	3.0	93.0	12.0	
		Maximum Value	8.2	10	36	0.4	0.9	4.4	3.4	96.5	16.0	
		Minimum Value	7.65	5	28	0.15	nil	2.0	2.3	87.5	4.5	
Gretton, Upstream of Sluice	24½	Average Value	—	10	41	0.35	3.1	3.9	3.0	94.1	11.0	
		Maximum Value	8.6	20	52	0.6	7.3	7.0	4.9	108.5	19.5	
		Minimum Value	7.6	5	34	trace	1.5	2.4	1.8	67.0	3.0	

Sampling Point	Miles from Source		pH	Suspended Solids	Chloride (Cl.)	F & S Ammonia (N)	Nitrates (N)	4 hrs. P.V.	5 day B.O.D.	D.O. % Saturation	Water Temp. °C	Flow m.g.d.
Wakerley/Barrowden		Average Value	—	14	39	0.4	3.9	3.3	2.5	100.0	7.0	
		Maximum Value	8.3	30	48	0.7	7.5	4.4	3.1	107.0	13.0	
		Minimum Value	7.8	5	34	nil	2.6	2.6	1.8	92.5	3.5	
Collyweston Bridge	39	Average Value	—	8	41	0.1	2.5	2.5	3.3	115.5	10.5	
		Maximum Value	8.6	15	44	0.2	3.2	2.8	5.3	139.5	15.0	
		Minimum Value	7.9	trace	38	trace	1.3	2.0	1.9	97.5	5.0	
River Chater at Station Road Ketton		Average Value	—	10	33	0.2	4.2	1.8	2.6	114.0	11.5	
		Maximum Value	8.35	25	36	0.4	5.7	2.4	4.8	129.0	15.5	
		Minimum Value	7.7	trace	30	trace	1.8	1.2	1.7	93.0	5.0	
Stamford Swimming Pool	43½	Average Value	—	8	40	0.10	3.3	2.3	3.0	113.0	10.5	
		Maximum Value	8.6	15	44	0.20	3.7	2.6	4.3	140.5	15.5	
		Minimum Value	7.95	5	36	0.05	2.8	2.2	2.2	96.5	4.5	
River Gwash, Upstream of Confluence with Welland		Average Value	—	14	33	0.25	3.7	1.8	3.1	115.5	9.0	
		Maximum Value	8.4	22	38	0.50	5.7	2.6	7.8	136.5	15.0	
		Minimum Value	8.15	5	28	0.05	1.1	1.0	0.8	95.0	4.5	
Uffington	46½	Average Value	—	9	38	0.20	4.2	2.7	3.2	107.5	11.5	
		Maximum Value	8.4	20	44	0.55	8.7	4.0	4.6	134.5	19.0	
		Minimum Value	7.7	trace	33	nil	2.3	2.0	2.1	86.5	5.0	
Deeping St. James Crown and Anchor	53	Average Value	—	9	39	0.20	4.6	2.8	2.7	111.0	10.5	
		Maximum Value	8.35	15	44	0.55	8.5	4.4	3.7	144.5	19.0	
		Minimum Value	8.0	5	33	nil	3.0	1.8	1.9	96.0	4.5	
Crowland Bridge	59	Average Value	—	11	43	0.2	3.5	3.0	4.2	107.0	11.5	
		Maximum Value	8.4	20	52	0.6	8.7	5.4	7.6	132.0	18.5	
		Minimum Value	7.9	trace	37	nil	1.3	2.0	1.9	92.5	4.5	
Inlet to Coronation Channel, Spalding	67½	Average Value	—	15	40	0.4	2.9	2.4	5.0	132.0	8.0	
		Maximum Value	8.4	25	42	0.45	3.6	2.8	8.0	166.5	12.0	
		Minimum Value	8.1	5	38	0.3	2.2	2.0	2.0	97.5	4.0	
Tidal Sluice Coronation Channel	70	Average Value	—	17	45	0.4	2.6	3.9	4.6	108.0	9.0	
		Maximum Value	8.4	23	50	0.7	3.9	5.6	8.1	161.0	16.5	
		Minimum Value	8.1	10	41	0.25	0.9	2.6	1.9	82.0	3.5	

## RIVER ISE—ANALYTICAL RESULTS

Clipston and Oxendon Station	3	27.7.66	7.2	10	42	1.35	0.6	8.6	5.9	44.0	14.0	
		14.12.66	7.9	15	25	0.35	4.7	2.4	1.9	94.0	4.5	
Arthingworth		27.7.66	7.4	10	38	0.3	nil	5.4	2.45	93.0	14.5	
		14.12.66	7.8	15	27	0.45	4.3	3.4	2.25	90.5	4.0	
Newbottle Bridge	6	27.7.66	7.45	5	36	0.25	trace	4.8	1.7	70.5	15.0	
		14.12.66	7.9	10	25	0.45	4.4	2.8	1.8	92.0	4.0	
Rothwell/Desborough Road Bridge	8	27.7.66	7.6	trace	36	0.2	trace	4.2	2.25	111.5	16.0	
		14.12.66	7.9	10	28	0.45	5.2	3.6	2.0	93.0	4.0	
Rushton Bridge	10	27.7.66	7.5	5	48	1.0	2.0	3.8	4.2	68.5	15.5	
		14.12.66	7.9	15	28	0.45	5.2	3.6	3.2	93.0	4.5	
Barford Bridge	11½	27.7.66	7.5	5	46	0.15	2.7	3.0	3.7	83.0	15.0	
		14.12.66	7.85	10	31	0.45	4.8	3.6	2.8	91.0	4.5	
Geddington A.43 Road Bridge	13½	27.7.66	7.7	trace	44	0.10	3.5	3.2	2.3	112.5	15.0	
		14.12.66	7.85	15	32	0.65	5.2	4.2	3.0	93.0	4.5	
Warkton Bridge	15	27.7.66	7.6	5	44	trace	3.5	2.2	4.05	111.0	15.5	
		14.12.66	8.0	25	31	0.6	4.9	3.8	2.3	95.0	4.5	



Sampling Point	Miles from Source	pH	Suspended Solids	Chloride (Cl.)	F & S Ammonia (N)	Nitrates (N)	4 hrs. P.V.	5 day B.O.D.	D.O. % Saturation	Water Temp. °C	Flow m.g.d.
Barton Seagrave	17	27.7.66 14.12.66	7.8 8.1	trace 30	46 34	trace 0.35	3.4 5.2	1.8 3.0	3.25 2.7	129.5 94.0	15.5 4.5
Slade Brook Pythley Road A.504	—	27.7.66 14.12.66	7.9 8.0	5 25	52 37	0.9 0.5	3.7 5.3	5.0 2.6	5.55 3.1	98.0 94.5	15.0 5.0
Burton Latimer	18½	27.7.66 14.12.66	7.9 8.05	5 25	46 36	trace 0.5	2.2 5.7	3.0 4.6	3.55 3.0	106.0 95.5	16.5 5.0
Finedon Station	19½	27.7.66 14.12.66	7.85 8.05	5 25	42 34	0.05 0.5	1.3 5.8	3.8 2.6	3.2 3.1	113.0 98.0	17.5 5.0
Harrowden Road	21	27.7.66 14.12.66	7.7 7.95	10 25	58 39	0.15 0.9	5.7 6.6	5.0 5.0	3.9 3.3	102.5 95.0	17.5 5.0 8.3 62.4
Finedon Road	22	27.7.66 14.12.66	7.7 7.95	trace 20	54 39	0.25 0.45	4.2 6.6	3.8 3.8	4.25 3.8	85.5 95.0	17.5 5.0
Morris Motors Wellingborough	22½	27.7.66 14.12.66	7.7 8.0	5 20	56 38	0.1 0.65	4.4 7.0	3.8 3.8	3.6 4.5	88.5 95.5	17.0 5.0

## WILLOW BROOK—ANALYTICAL RESULTS

Northern Stream, Weldon Lodge	—	Average Value Maximum Value Minimum Value	— 7.3 6.8	28 50 15	328 350 288	14.25 14.9 12.9	sl. tr. sl. tr. nil	13.9 16.4 9.0	> 21 > 27 12	54.5 60.5 47.5	9.0 12.0 6.0
Central Stream, Water Lane	—	Average Value Maximum Value Minimum Value	— 8.5 7.75	17 20 15	118 132 104	10.75 15.5 8.6	5.8 8.8 3.9	8.3 9.6 6.4	11 > 14 6.7	50.5 60.5 44.5	17.0 20.5 14.5
Southern Stream, Great Weldon Road Bridge	5	Average Value Maximum Value Minimum Value	— 8.1 7.6	22 35 15	149 175 130	4.25 4.85 3.35	14.0 17.3 11.7	6.7 7.2 6.0	8.9 16.0 4.5	85.5 86.5 84.0	9.0 13.5 5.5
Deene Lake Downstream Bridge	8	Average Value Maximum Value Minimum Value	— 7.8 7.7	8 10 5	157 165 149	7.25 8.25 5.95	8.5 11.2 6.4	4.9 5.6 4.4	7.6 14.0 4.0	82.5 92.0 74.5	8.5 15.0 4.0
Bulwick A.43 Road Bridge	9	Average Value Maximum Value Minimum Value	— 7.85 7.8	15 20 10	139 150 133	5.80 6.40 4.80	8.2 10.8 6.0	4.7 5.2 4.4	5.9 9.0 3.8	87.0 91.0 82.0	8.5 14.5 4.0
Blatherwycke Bridge	10½	Average Value Maximum Value Minimum Value	— 7.9 7.8	12 15 5	130 131 130	5.50 6.25 4.35	7.9 10.5 5.6	4.2 4.8 3.4	6.3 8.4 4.8	81.5 85.0 78.0	8.5 14.5 3.5
Kingscliffe Bridge	13½	Average Value Maximum Value Minimum Value	— 7.95 7.85	12 15 10	123 152 100	3.05 4.9 1.95	8.2 10.2 6.0	4.2 5.2 3.6	10.1 17.0 6.3	85.5 88.5 83.5	7.5 14.5 2.0
Apethorpe Bridge	15	Average Value Maximum Value Minimum Value	— 8.0 7.75	13 20 10	115 134 96	2.50 4.30 1.55	8.2 10.3 5.8	3.9 4.4 3.2	9.8 17.0 5.4	85.5 92.0 82.5	7.5 14.0 3.0
Woodnewton Bridge	17	Average Value Maximum Value Minimum Value	— 8.0 7.85	15 20 10	109 128 93	2.00 3.75 0.95	7.6 10.1 6.0	3.9 4.0 3.8	7.2 > 10.0 5.8	95.0 105.0 88.0	7.5 14.0 3.0
Fotheringhay Bridge	19	Average Value Maximum Value Minimum Value	— 8.35 7.65	12 21 5	104 128 86	1.55 3.55 0.20	7.4 9.6 trace	4.2 5.8 3.4	7.4 > 11.0 5.0	94.5 116.0 81.5	11.0 18.0 2.5 18.7 22.6 13.7

Sampling Point	Miles from Source	pH	Suspended Solids	Chloride (Cl.)	F & S Ammonia (N)	Nitrates (N)	4 hrs. P.V.	5 day B.O.D.	D.O. % Saturation	Water Temp. °C	Flow m.g.d.
HARPER'S BROOK—ANALYTICAL RESULTS											
Pipewell	2½	5.1.67	8.05	5	36	0.15	4.6	2.2	1.5	92.5	3.0
Spread Eagle A.6003 Road Bridge	4	5.5.66 5.1.67	8.2 8.2	15 10	36 36	0.8 0.15	3.9 4.7	4.8 2.2	7.2 1.5	98.5 94.0	10.5 2.5
Little Oakley Bridge	6	5.5.66 5.1.67	8.1 8.0	5 10	38 38	nil 0.2	3.9 3.7	3.2 4.0	8.3 1.0	111.5 84.5	10.5 3.0
Brigstock, Grafton Road Bridge	10	5.5.66 5.1.67	8.05 7.9	5 15	40 40	nil 0.2	4.4 3.9	0.8 2.0	8.4 1.5	101.0 92.5	10.0 4.0
Sudborough	12	5.5.66 5.1.67	8.2 8.0	5 5	36 40	nil 0.2	3.6 4.0	2.0 2.4	7.4 2.2	112.5 98.0	9.5 3.5
Lowick	13½	5.5.66 5.1.67	8.1 7.9	5 5	42 39	nil 0.2	4.7 4.7	2.0 2.0	7.3 1.9	103.0 98.0	10.0 3.5
A.6116 Road Bridge	14½	5.5.66 5.1.67	8.1 7.9	5 10	40 38	nil 0.4	4.9 5.0	2.0 2.4	7.0 2.6	115.0 99.0	10.0 3.0 7.0 9.4

## SOUTH HOLLAND MAIN DRAIN—ANALYTICAL RESULTS

Shell Bridge	9½	28.7.66 22.2.67	8.0 7.95	90 10	1180 880	0.35 0.25	nil 5.2	8.6 6.0	4.75 2.0	87.5 96.0	18.0 6.0
Clifton's Bridge	6½	28.7.66 22.2.67	7.9 8.0	95 20	1180 710	0.45 0.55	nil 3.9	6.8 6.8	5.8 1.6	77.0 92.5	17.0 6.0
Foreman's Bridge	4½	28.7.66 22.2.67	8.0 8.0	25 60	1700 1220	0.5 0.55	nil 4.1	7.6 6.4	5.5 2.15	81.5 91.0	18.0 6.5
A.1101 Road Bridge	2	28.7.66 22.2.67	8.1 8.0	15 20	1100 1060	0.65 0.60	nil 3.1	7.4 6.6	5.9 2.2	108.0 95.5	17.5 6.5

## RIVER GWASH—ANALYTICAL RESULTS

Manton, A.6003 Road Bridge (S. Gwash)	—	6.7.66 11.1.67	7.85 7.9	5 15	33 34	0.20 0.45	1.1 2.6	5.0 2.0	5.25 2.3	102.0 96.5	15.5 3.5
Normanton Park (S. Gwash)	—	6.7.66 11.1.67	7.7 7.9	10 10	32 37	0.25 0.7	3.4 3.9	6.2 2.2	4.75 2.6	69.0 97.5	16.5 4.0
Fox Bridge (N. Gwash)	14	6.7.66 11.1.67	7.7 7.9	20 10	44 53	0.35 0.2	nil 3.6	7.4 1.8	6.0 0.9	67.0 96.0	17.5 3.5
Bull Bridge (N. Gwash)	12	6.7.66 11.1.67	7.8 7.9	30 40	36 50	trace 0.3	nil 3.5	8.2 2.4	7.3 1.3	79.0 92.5	16.5 3.5
Church Bridge Empingham	10	6.7.66 11.1.67	7.7 8.0	5 15	40 42	0.2 0.35	2.7 4.5	4.2 1.8	2.0 1.5	92.0 96.5	16.0 4.0
North Brook at Empingham	—	6.7.66 11.1.67	7.85 8.0	10 20	26 28	0.2 0.1	2.5 5.7	4.2 0.6	6.05 1.6	106.0 103.0	16.5 7.0
Gt. Casterton	6	6.7.66 11.1.67	7.9 8.05	trace 20	27 35	0.05 0.2	2.8 5.6	3.4 2.2	7.0 2.4	119.0 101.5	15.5 6.0
Upstream of Ryhall Village	3	6.7.66 11.1.67	8.0 8.15	trace 10	28 36	0.05 0.15	3.0 5.6	5.6 1.2	1.9 1.5	124.5 105.0	16.5 6.0
Downstream of Ryhall Village	2	6.7.66 11.1.67	8.15 8.3	trace 75	30 36	0.05 0.35	2.9 5.4	3.4 4.6	0.7 2.1	124.0 102.0	17.0 5.0
Upstream of Con- fluence with Welland	—	6.7.66 11.1.67	8.25 8.35	5 22	31 34	0.10 0.25	3.0 5.7	4.2 1.0	2.4 0.8	132.5 101.0	17.5 5.0



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. % Satura-tion	Water Temp. °C	Flow m.g.d.
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RAM DYKE—ANALYTICAL RESULTS

Helpston	4½	Average Value	—	83	40	0.95	—	25.6	91.0	80.0	14.0
		Maximum Value	8.6	340	68	5.90	—	100.8	>405.0	123.5	21.0
		Minimum Value	7.0	18	22	nil	—	7.6	14.0	38.5	8.0
Helpston Road Glington	2½	Average Value	—	60	53	0.35	5.2	13.5	39.0	60.0	12.0
		Maximum Value	8.3	255	61	1.00	8.0	53.6	210.0	146.5	21.0
		Minimum Value	7.15	9	41	nil	2.7	4.0	5.0	11.0	3.5
Deeping Gate Road Peakirk	¾	Average Value	—	25	73	0.35	7.4	7.4	16.5	65.0	11.0
		Maximum Value	8.1	100	98	1.15	9.5	29.6	140.0	150.0	20.5
		Minimum Value	7.1	10	56	nil	4.6	2.8	2.0	17.0	2.5

BOURNE EAU—ANALYTICAL RESULTS

Sluice below Mill Pool, Bourne	3¼	21.9.66	7.95	20	40	0.10	1.4	1.2	3.3	118.0	15.0
Black House	1½	21.9.66	8.2	5	58	trace	1.7	2.0	4.3	170.0	16.0
Tongue End	0	21.9.66	8.4	trace	52	trace	1.5	1.6	4.3	191.0	17.0

GENERAL INFORMATION

1. RECREATIONAL FACILITIES

(a) Fishing

Fishing rights in the following waters are vested in, or controlled by the Authority.

*Bugbrook Trout Water:* In 1959 the Nene River Board took leases for twelve years from the several riparian owners of the fishing rights on three miles of the upper Nene between Heyford and Harpole, above Northampton. Coarse fish are removed periodically for restocking elsewhere, and brown trout are released in the water as necessary. Some 1,950 9/10 inch fish were purchased at a price of £361 and placed there in the past year. Permits are available at 10s. 0d. a day, and the number is limited to ten in any day. There had been a steady decline in the popularity of the water since it was first opened to the public in 1961, but it is pleasing to record that in the past year the downward trend was reversed as a result of more vigorous restocking and some publicity. Three hundred and seventy-five permits were issued, being almost three times the number of the previous year in spite of the fact that there was no fishing for five weeks due to C. Columnaris. The heaviest fish reported was 2lb. 13oz., and it is believed that those who fished the water were generally satisfied with their sport. The Bugbrooke water is thought to be the only trout stream available to the public in a large part of the Midland Counties.

*River Nene-North Bank d/s Peterborough:* Fishing rights on the North Bank of the River Nene between Fitzwilliam Bridge and Dog-in-a-Doublet are vested in the Authority. Three hundred and ninety-four permanently pegged places may be reserved on payment of a pegging fee of six pence each, and certain defined lengths are left free for the individual angler. The water is very popular with anglers from many parts of the North and Midlands. A report on the fishing appears on page 42.

*River Welland—Crowland to Spalding and the Coronation Channel:* Fishing rights on the 9 miles of the River Welland and on the 2½ miles of the Coronation Channel are vested in the Authority. There are some 869 permanently pegged places on the Welland, and a further 240 places can be pegged on the Coronation Channel on reservation.

Complaints have been received that the water is monopolised by match anglers, and that there is not sufficient provision for the individual angler. Space for about 120 anglers is unreserved, and peg numbers which are not booked are published on notice boards. It is possible for any individual to make sure of a place by reserving a peg. This is probably one of the most popular and consistent waters in the East Midlands. A report on the fishing appears on page 42. Individual anglers may fish on obtaining a Welland permit costing 5 shillings a season, or a shilling a day.

*Folly River. Maxey Cut. Greatford Relief Channel:* Fishing rights in these artificial water-courses are vested in the Authority. No reservations are made, but individuals may fish on obtaining a Welland permit.

Reservoir trout fishing is provided by the Mid-Northamptonshire Water Board and Pitsford Reservoir, and by the Corby (Northants) & District Water Company at Eye Brook Reservoir.



### (b) Pleasure Navigation

A small number of pleasure craft are to be found on the lower Welland, and there is a sailing club at Spalding, but other than by controlling moorings and by maintaining Fulney Lock to give access to the tidal river the Authority undertake no administrative work in respect of pleasure navigation.

In the past year 401 locally owned pleasure craft have been registered for use on the Nene, and owners of a further 68 craft have been supplied with keys for the navigation locks to make limited journeys, or for limited periods. The registered craft increased by 91 from the previous year, and the popularity of the river appears to be steadily growing. The two Marinas have been extended.

Good relations have been maintained with the five officially recognised cruising and yachting clubs.

Three youths canoeing on the river were drowned. It is believed that two of them were attempting to "shoot" a weir, and the third ventured into the turbulent water below an overfall. It can not be emphasized strongly enough that those in canoes should wear life jackets and should keep to the navigable channel away from all rough or fast flowing water. It is desirable that people should be encouraged to enjoy the amenities of the river, but they should be adequately trained in handling frail craft, and those who organise these activities have a responsibility to ensure that there is proper supervision. At the suggestion of H.M. Coroner for East Northants, 33 notices were erected warning that it was dangerous for river craft to use the subsidiary channels, but the river is potentially dangerous at all places if proper care is not used, and such notices may only encourage the adventurous to investigate the danger.

Life belts are provided at some of the locks where it is feared that there may be special danger, and it is regrettable to have to record that they are frequently damaged and the ropes are cut.

## 2. COMMERCIAL NAVIGATION

Thirty-one sea-going vessels, totalling 6,118 net registered tons, came up the lower Welland to the warehouse at Fosdyke. At the request and expense of the owners of the warehouse the swinging berth was improved to enable larger boats to turn around.

The Authority are the navigation authority for the lower Welland, and have continued to provide a pilotage service, although that is the responsibility of the Boston & Spalding Pilotage Authority. The Authority are pleased to see the rivers used by shipping which adds to the commercial prosperity of the Area, but it has been necessary to advise the Pilotage Authority and those trading from Fosdyke that the Authority may have to discontinue the pilotage service at any time if it proves impracticable to maintain a suitable Pilot boat at Fosdyke, or when the present pilot is no longer available.

One of the last survivors of the Thames sailing barges has carried grain up the Nene to Peterborough, but the traffic came to an end in August and the tolls in four months amounted to £110. The barge has recently been offered for sale. It is regrettable that this may mark the end of this picturesque commercial traffic from the sea to Peterborough.

Narrow boats carry grain from London via the Grand Union Canal and down the Nene to Wellingborough. In the past year the tolls amounted to £204. It is also to be regretted that the use of the country's inland waterways is decreasing, and that these colourful boats, and the people who man them, are fast disappearing.

Wisbech Corporation are the Port and Harbour Authority for the River Nene from Bevis Hall above the town to the sea. According to statistics kindly supplied by the Town Clerk, 290 vessels used the port, of a total of 60,927 net registered tons. The imports amounted to 116,973 tons, of which petrol, timber and pig-iron were the principal items, and exports amounted

to 30,897 tons of which barley was the principal item. It is satisfactory to note that this shewed a substantial increase on the trade for the previous year.

## 3. COMPULSORY SUPERANNUATION SCHEME FOR MANUAL WORKERS

It had been the practice of the Nene River Board to pay gratuities under section 18 of the Local Government Act 1953 to those of the manual workers who had had upwards of ten years service. The Welland River Board had also made some provision for retired employees.

The Authority decided to extend the provision of the Superannuation Act to all employees, other than labourers and those generally employed on minimum standard wage rates, provided they were not over 55 years of age and had completed one full year's continuous service. The statutory resolution was effective from 1st January 1966. Although the scheme is "compulsory", it is subject to employees submitting a satisfactory medical certificate, and some employees have declined to have a medical examination. Labourers had been excluded on the grounds that their employment tends to be transitory, and that if they remain for any length of time they cease to be employed on minimum rate. But following complaint by the Unions it was decided on the 8th September to extend the scheme to include all employees, as from the 1st January 1966.

The response from employees has been disappointing, and only some 26 of the 90 eligible have so far submitted medical certificates.

Those employees who are ineligible to join the superannuation scheme will be considered for gratuities under section 18 of the 1953 Act, but it has been emphasized that no such payments will be made to those who failed to take advantage of the scheme.

## 4. ESTATE MANAGEMENT

The Authority took over from the two River Boards a substantial area of river banks and adjoining land, most of it in the fenland; that in the Nene Sub-Catchment being divided into 61 lots and that in the Welland Sub-Catchment being divided into 128 lots. The records were not satisfactory, there had been no comprehensive estate management, and in some cases the rents had not been reviewed for a number of years. It was therefore decided to employ Surveyors and Valuers to schedule the properties, and advise on the management. Their report has been received, and their recommendations are to be carried out.



## Part VIII—Information about

TABLE 1—

## Statement of Income and Expenditure on Loan and

Item	EXPENDITURE	Revenue Account £	Loan Account £	Grand Total £
<b>Capital Transactions</b>				
<i>Grant-Aided Works</i>				
1	Hydrometric Works (for details see Table 3)	20,092	—	20,092
2	Contributions to other Authorities under Section 91 of the Water Resources Act, 1963	—	—	—
<i>Non Grant-aided Works</i>				
3	Water Conservation Works (for details see Table 3)	—	—	—
4	Contributions to other Authorities under Section 91 of the Water Resources Act, 1963	—	—	—
5	Other items	—	—	—
		20,092	—	20,092
<b>Revenue Transactions</b>				
6	Water Conservation Works	—	—	—
	Loan Charges:	—	—	—
	Principal repaid	—	—	—
	Interest	—	—	—
	Contributions to Sinking Fund	—	—	—
7	Hydrometric Works	—	—	—
	Loan Charges:	—	—	—
	Principal repaid	—	—	—
	Interest	—	—	—
	Contribution to Sinking Fund	—	—	—
8	Maintenance of Works	2,671	—	2,671
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	8,675	—	—
	Office accommodation	—	—	—
	Office expenses	1,246	—	—
	Legal and Parliamentary costs, etc.	—	—	—
	Other items	500	—	—
	Proportion of General Administrative Charges	6,064	—	16,485
18	Proportion of General Charges	282	—	282
19	Contribution to Reserve Fund	—	—	—
20	Contribution to Replacement Fund	—	—	—
21	Other items	—	—	—
	Total—Water Resources Account	39,530	—	39,530
22	Balance—Income in excess of Expenditure for the year	—	—	—
		39,530	—	39,530

## Expenditure and Income

## WATER RESOURCES

## Revenue Accounts—Year ended 31st March, 1967

Item	INCOME	Revenue Account £	Loan Account £	Grand Total £
<b>Capital Transactions</b>				
<i>Grant-Aided Works</i>				
1	Loans raised	—	—	—
2	Exchequer Grants	13,701	—	13,701
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	—	—	—
		13,701	—	13,701
<b>Revenue Transactions</b>				
10	Licence Fees	3,510	—	3,510
11	Charges for water	778	—	778
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 actions for derogation of protected rights under section 50 of the Water Resources Act, 1963	—	—	—
15	Income from 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	12	—	12
22	Precepts (for details see Table 5)	19,995	—	19,995
	Total—Water Resources Account	37,996	—	37,996
23	Balance—Expenditure in excess of Income for the year	1,534	—	1,534
		39,530	—	39,530

TABLE 2—INFORMATION ABOUT EXPENDITURE AND

## Statement of Income and Expenditure on Loan and

Item	EXPENDITURE	Revenue Accounts £	Loan Account £	Grand Total £
<b>LAND DRAINAGE</b>				
<b>Capital Transactions</b>				
1	Grant Aided Works etc. (for details see Table 4)	180,308	7,839	188,147
2	Non Grant Aided Works etc. (for details see Table 4)	52,237	—	52,237
		232,545	7,839	240,384
<b>Revenue Transactions</b>				
3	New Works and Improvement Schemes: Loan Charges:			
	Principal Repaid	107,333	—	—
	Interest	84,000	—	191,333
4	Maintenance of Works	94,862	—	94,862
5	Contributions to Water Resources account under section 83(2) (b) of the Water Resources Act, 1963	—	—	—
6	Contributions to Internal Drainage Boards	220	—	220
7	Prior Charges	—	—	—
8	Subsidiary Accounts (e.g. Motor Vehicle and Plant, Oncost, etc. Accounts) balance of expenditure	—	—	—
	Deduct—amount transferred to other accounts in excess of expenditure for the year	Cr.4,349	—	Cr.4,349
9	Estates	1,133	—	1,133
10	Administrative Charges:			
	Salaries and Allowances	44,066	—	—
	Office Accommodation	1,778	—	—
	Office Expenses	5,545	—	—
	Legal and Parliamentary Costs, Stamp Duty, etc.	—	—	—
	Items other than shown above	432	—	—
	Proportion of General Administrative Charges (see Item 27 Income)	15,693	—	67,514
11	Proportion of General Charges (see Item 30)	Cr.6,908	—	Cr.6,908
12	Other Items			
	Emergency Pumping Equipment	741	—	—
	Contributions Sea Defence Works	1,761	—	—
	Bourne Eau Pumping Station	412	—	2,914
	<b>Total—LAND DRAINAGE</b>	<b>£579,264</b>	<b>7,839</b>	<b>587,103</b>

## INCOME (OTHER THAN FOR WATER RESOURCES)

## Revenue Accounts—Year ended 31st March, 1967

Item	INCOME	Revenue Accounts £	Loan Account £	Grand Total £
<b>LAND DRAINAGE</b>				
<b>Capital Transactions</b>				
<b>Grant Aided Works:</b>				
1	Loans raised (for details see Table 4)	—	39,702	39,702
2	Contributions from Local Authorities, Private Frontagers, etc.	—	—	—
3	Exchequer Grants—Schemes financed from Revenue	140,896	—	140,896
4	Other items	—	—	—
<b>Non Grant Aided Works:</b>				
5	Loans Raised (for details see Table 4)	—	—	—
6	Contributions from Local Authorities, Private Frontagers etc	—	—	—
7	Other Items	—	—	—
	Sale of Property	12,045	—	12,045
		152,941	39,702	192,643
<b>Revenue Transactions</b>				
8	New Works and Improvement Schemes: Exchequer Grant towards Loan Charges	128,944	—	128,944
9	Maintenance of Works: Contributions from Local Authorities, Private Frontagers etc.	—	—	—
	Commutation Fund—Interest	1,803	—	1,803
	Other items	—	—	—
10	Contributions by Local Authorities under section 17 of the Land Drainage Act, 1961	—	—	—
11	Contributions from Water Resources Account under section 83(3) (b) of the Water Resources Act, 1963	—	—	—
12	Estates—Rents, Wayleaves, etc.	7,210	—	7,210
13	Administrative Charges: Recovered through Rechargeable Works, Fees, etc. Apportioned to and excluded in Capital Expenditure and Subsidiary Revenue Accounts	1,064	—	1,064
14	Other items: Navigation dues	710	—	—
	Miscellaneous Income	930	—	1,640
	<b>Total—LAND DRAINAGE</b>	<b>£293,602</b>	<b>39,702</b>	<b>333,304</b>



**FISHERIES**

<b>Capital Transactions</b>									
13	Non Grant Aided Works	..	..	..	..	—	—	—	—
<b>Revenue Transactions</b>									
14	Loan Charges:								
	Principal Repaid	..	..	..	..	—	—	—	—
	Interest	..	..	..	..	—	—	—	—
15	Hatcheries	..	..	..	..	—	—	—	—
16	Water Bailiffs and Inspectorate	..	..	..	..	2,485	—	2,485	—
17	Maintenance and Development of Fisheries (including Provision and Maintenance of Equipment)	..	..	..	..	2,644	—	2,644	—
18	Contribution to Water Resources Account under section 83(2) (b) of the Water Resources Act, 1963	..	..	..	..	—	—	—	—
19	<b>Administrative Charges</b>								
	Salaries and Allowances	..	..	..	..	1,122	—	—	—
	Office Accommodation	..	..	..	..	406	—	—	—
	Legal and Parliamentary Costs, Stamp Duty, etc.	..	..	..	..	—	—	—	—
	Other items	..	..	..	..	—	—	—	—
	Proportion of General Administrative Charges (see Item 27 Income)	..	..	..	..	3,846	—	5,374	—
20	Proportion of General Charges (see Item 26 Income)	..	..	..	..	354	—	354	—
21	Other Items	..	..	..	..	1,395	—	1,395	—
<b>Total—FISHERIES</b>						<b>12,252</b>	<b>—</b>	<b>12,252</b>	<b>—</b>

**POLLUTION PREVENTION**

<b>Capital Transactions</b>									
22	Non Grant Aided Works (for details see Table 4)	..	..	..	..	5,196	—	5,196	—
<b>Revenue Transactions</b>									
23	Loan Charges:								
	Principal Repaid	..	..	..	..	—	—	—	—
	Interest	..	..	..	..	—	—	—	—
24	Laboratories:								
	Maintenance and Upkeep of Buildings	..	..	..	..	—	—	—	—
	Staff Salaries and Allowances	..	..	..	..	2,866	—	—	—
	Other Expenses	..	..	..	..	747	—	3,613	—
25	Analyst's Fees	..	..	..	..	—	—	—	—
26	Water Bailiffs and Inspectorate	..	..	..	..	5,022	—	5,022	—
27	<b>Administrative Charges:</b>								
	Salaries and Allowances	..	..	..	..	3,274	—	—	—
	Office Accommodation	..	..	..	..	—	—	—	—
	Office Expenses	..	..	..	..	115	—	—	—
	Legal and Parliamentary Costs, Stamp Duty etc.	..	..	..	..	—	—	—	—
	Other items	..	..	..	..	—	—	3,389	—
	Proportion of General Administrative Charges (see Item 27 Income)	..	..	..	..	3,347	—	3,347	—
28	Proportion of General Charges (see Item 26 Income)	..	..	..	..	374	—	374	—
29	Other items	..	..	..	..	406	—	406	—
<b>Total—POLLUTION PREVENTION</b>						<b>21,347</b>	<b>—</b>	<b>21,347</b>	<b>—</b>

**30 GENERAL CHARGES**

	Interest, Bank Commission, etc.	..	..	..	..	—	—	—	—
	Subscriptions	..	..	..	..	286	—	—	—
	Members' Allowances and Chairman's Remuneration	..	..	..	..	1,517	—	—	—
	Insurance	..	..	..	..	550	—	—	—
	Audit Stamp Duty	..	..	..	..	420	—	—	—
	Other Items	..	..	..	..	88	—	2,861	—
	<b>Allocation to Main Services:</b>								
	Land Drainage (see Item 11)	..	..	..	..	6,908	—	6,908	—
<b>Total—GENERAL CHARGES</b>						<b>9,769</b>	<b>—</b>	<b>9,769</b>	<b>—</b>

**31 GENERAL ADMINISTRATIVE CHARGES**

Not directly allocated to Services									
	Salaries and Allowances	..	..	..	..	24,834	—	—	—
	Office accommodation	..	..	..	..	2,472	—	—	—
	Office Expenses	..	..	..	..	3,568	—	—	—
	Legal and Parliamentary Costs, Stamp Duty, etc.	..	..	..	..	77	—	—	—
	Other Items	..	..	..	..	119	—	31,070	—
<b>Total—GENERAL ADMINISTRATIVE CHARGES</b>						<b>31,070</b>	<b>—</b>	<b>31,070</b>	<b>—</b>

**FISHERIES**

<b>Capital Transactions</b>									
15	Non Grant Aided Works	..	..	..	..	—	—	—	—
<b>Revenue Transactions</b>									
16	Fishery Licences:								
	Salmon	..	..	..	..	—	—	—	—
	Trout	..	..	..	..	1,257	—	—	—
	Freshwater Fish	..	..	..	..	11,726	—	—	—
	Fishery Permits	..	..	..	..	1,456	—	14,439	—
17	Contributions assessed on private Fisheries	..	..	..	..	—	—	—	—
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	..	..	..	..	—	—	—	—
21	Other items	..	..	..	..	1,273	—	1,273	—
<b>Total—FISHERIES</b>						<b>15,712</b>	<b>—</b>	<b>15,712</b>	<b>—</b>

**POLLUTION PREVENTION**

<b>Capital Transactions</b>									
22	Details to be given								
<b>Revenue Transactions</b>									
23	Rechargeable Services	..	..	..	..	—	—	—	—
24	Administrative Charges recovered	..	..	..	..	—	—	—	—
25	Other Items	..	..	..	..	—	—	—	—

**26 GENERAL CHARGES**

	Interest	..	..	..	..	8,759	—	—	—
	Other items	..	..	..	..	—	—	—	—
	<b>Allocation to Main Services, etc.</b>								
	Land Drainage (see Item 11 Expenditure)	..	..	..	..	—	—	—	—
	Fisheries	..	..	..	..	354	—	—	—
	Pollution Prevention (see Item 28 Expenditure)	..	..	..	..	374	—	—	—
	Water Resources (see Item 18 Table 1)	..	..	..	..	282	—	9,769	—
<b>Total—GENERAL CHARGES</b>						<b>9,769</b>	<b>—</b>	<b>9,769</b>	<b>—</b>

**27 GENERAL ADMINISTRATIVE CHARGES**

	Nene Commissioners (First District)	..	..	..	..	840	—	—	—
	Nene Commissioners (Second District)	..	..	..	..	1,280	—	—	—
	<b>Allocated to Main Services, etc.</b>								
	Land Drainage (see Item 10 Expenditure)	..	..	..	..	15,693	—	—	—
	Fisheries (see Item 19 Expenditure)	..	..	..	..	3,846	—	—	—
	Pollution Prevention (see Item 27 Expenditure)	..	..	..	..	3,347	—	—	—
	Water Resources (see Item 17 Table 1)	..	..	..	..	6,064	—	—	—
	Other Accounts	..	..	..	..	—	—	31,070	—
<b>Total—GENERAL ADMINISTRATIVE CHARGES</b>						<b>31,070</b>	<b>—</b>	<b>31,070</b>	<b>—</b>

GENERAL				
32	Rechargeable Works (including Proportion of Administrative Charges, etc.)	3,750	—	3,750
	Total—GENERAL	3,750	—	3,750
	GRAND TOTALS	£616,613	7,839	624,452
33	Balance—Income in excess of Expenditure for the year	—	31,863	—

£616,613 39,702

GENERAL				
28	Rechargeable Works	3,750	—	3,750
29	Replacement Fund			
	Contributions credited during the year	13,516	—	—
	Other items	737	—	14,253
30	Precepts:			
	Councils of Counties and County Boroughs (for details see Table 5)	214,157	—	—
	Internal Drainage Boards (for details see Table 5)	56,603	—	270,760
31	Drainage Charges:			
	General (for details see Table 6)	—	—	—
	Special (for details see Table 6)	—	—	—
	Total—GENERAL	288,763	—	288,763
	GRAND TOTALS	598,077	39,702	637,779
32	Balance—Expenditure in excess of Income for the year	18,536	—	—

£616,613 39,702