

River Lemon (Teign Catchment) : Fisheries Survey 1978

AIM : To determine the penetration of Salmon into the River Lemon system and to a lesser degree estimate the population of resident salmonids.

METHOD : Five sections were surveyed being easily accessible and fishable by electro fishing methods. These sections were as follows :

a) Bradley Park -	Grid Ref :	849709
b) Chercombe Bridge (d.s.)	" "	: 834711
c) Mallands Bridge (d.s.)	" "	: 816719
d) Half Way Bridge (d.s.)	" "	: 803719
e) Bow Bridge (d.s.)	" "	: 795724

All fish taken were measured and identified. Since it was not possible to accurately distinguish between the young parr stages of migratory and non migratory trout, salmonid fish were either described as salmon or trout.

Salmon parr and smolts were only found in one section being that at Bradley Park but were relatively plentiful in this area. It must therefore be assumed with accuracy that the weir at Bradley Manor is forming an impassible barrier to the passage of salmon although migratory trout may well ascend it during times of suitable flows.

During the overall survey 74 salmon were noted and measured of which 14 were smolts descending to sea.

Trout were plentiful in all sections fished with a final total of 429 being taken in various sizes, of these it must be assumed likely that a number were immature migratory trout. No adult sea trout or salmon were encountered.

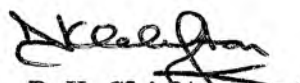
Other fish taken included Eel : 65
Stone Loach : 3
Brook Lamprey : 18
Bullhead : 2

and a small flounder in the Bradley Park section.

Details of individual sections are as per attached sheets and include individual numbers, species and measurements.

Water conditions were low and clear when fishing sections at Bradley, Half Way and Bow but were slightly up although still fairly clear while fishing Chercombe and Mallands bridge.

All fish taken were noted to be in excellent condition and only three mortalities occurred during the survey being one salmon parr and two trout parr.



D.K. Clifton

Warden : Lower Teign 7.5.78

Grid Ref : 849709 Bottom rocky, silt in pools.

BRADLEY PARK : Fast stickle with pools, maximum depth 1.5m. width av. 3 - 5 m.

Section approx. 75 m. long. Very little aquatic vegetation. Approx. area 310 m²

All fish measured in millimetres. (S) = Smolt.

27th April 1978.

1st Fishing		2nd Fishing		3rd Fishing	
Salmon	Trout	Salmon	Trout	Salmon	Trout
136 (S)	186	94	74	74	156
140 (S)	237	181 (S)	203	135 (S)	165
178 (S)	232	123 (S)	214	120 (S)	120
134 (S)	217	97	168	76	93
124 (S)	187	91	102	136 (S)	91
114	108	119	136	87	76
105	203	119	155	113	111
137 (S)	214	71	166	133 (S)	_____
93	203	72	94	115	_____
79	183	76	190	69	7 No.
108	169	120 (S)	153	72	_____
74	168	133 (S)	131	76	_____
	159	87	108	85	_____
114	169	84	174	78	_____
86	134	74	138		
84	188	81	139		
88	192	69	89	14 No.	
92	198	87	96	_____	
119	164	74	145	_____	
74	191	76	154		
76	164	78	131		
82	179	88	126		
74	204	69	124		
77	140	64	127		
88	157	74	111		
81	155	78	108		
84	167	87	89		
85	174		86		
72	183		82		
94	144	27 No.	94		
81	181	_____	102		
	166	_____	90		
74	144		98		
	113				
	129				
33 No.	127		33 No.		
_____	132		_____		
	104				
	104				
	154				
	116				
	134				
	116				
	122				
	97				
	96				
	98				
	109				
	108				
	113				
	109				
	126				
	79				

In addition to the salmonid fish taken as listed 27 Hels. 10 Brook Lamprey and a small flounder were also taken during this sections survey.

Chercombe Bridge : Grid Ref : 834711 Almost all section comprised of large stones or rocky bottom flowing over in fast stickle. Some aquatic moss and slight patches of Water Crowfoot. Three distinctive undercut bank lies. Approx. length 80 m. Average depth to 0.675 m. Average width 2.75 - 3 m. Approx. area 360 m².

All fish measured in millimetres

5th May 1978

1st Fishing	2nd Fishing	3rd Fishing
<u>Trout</u>	<u>Trout</u>	<u>Trout</u>
217 186 182 168 191 174 201 212 189 168 174 193 142 118 206 208 158 117 165 157 144 102 104 107 110 134 108	121 166 112 148 102 109 _____ 6 No. _____	159 157 _____ 2 No. _____
_____ 27 No. _____		In addition to the above listed salmonid species the following species were also taken : Eel 9 Brook Lamprey 2 Stone Loach 4

MALLANDS BRIDGE : Grid Ref : 816719 Rocky bottoms to fast stickle sections with deep pools and sandy/silt banks forming on insides of tight bends. Maximum depth 1.6 m. Average width 3 - 5 m. Approx. length of section 80 m. Approx area 320 m².

Some aquatic moss, but no other water bourne vegetation. Banks overgrown, some sections being heavily shaded.

All fish measured in millimetres

5th May 1978

1st Fishing	2nd Fishing	3rd Fishing
<u>Trout</u>	<u>Trout</u>	<u>Trout</u>
215 95 210 150 129 115 165 90 162 105 105 100 112 115 100 90 96 97 99 181 55 No. 172 200 176 145 171 149 161 192 206 140 135 245 200 195 245 245 180 195 135 230 230 180 245 230 135 195 130 175 105 130 115 120 150 160	260 210 230 230 197 205 225 137 190 245 125 138 187 218 177 125 137 120	98 168 160 153 108 102 179 125 127 135 106
	18 No.	11 No.
		In addition to the above listed salmonid species the following species were also taken :
		Eels 8 Brook Lamprey 1 Bullhead 1

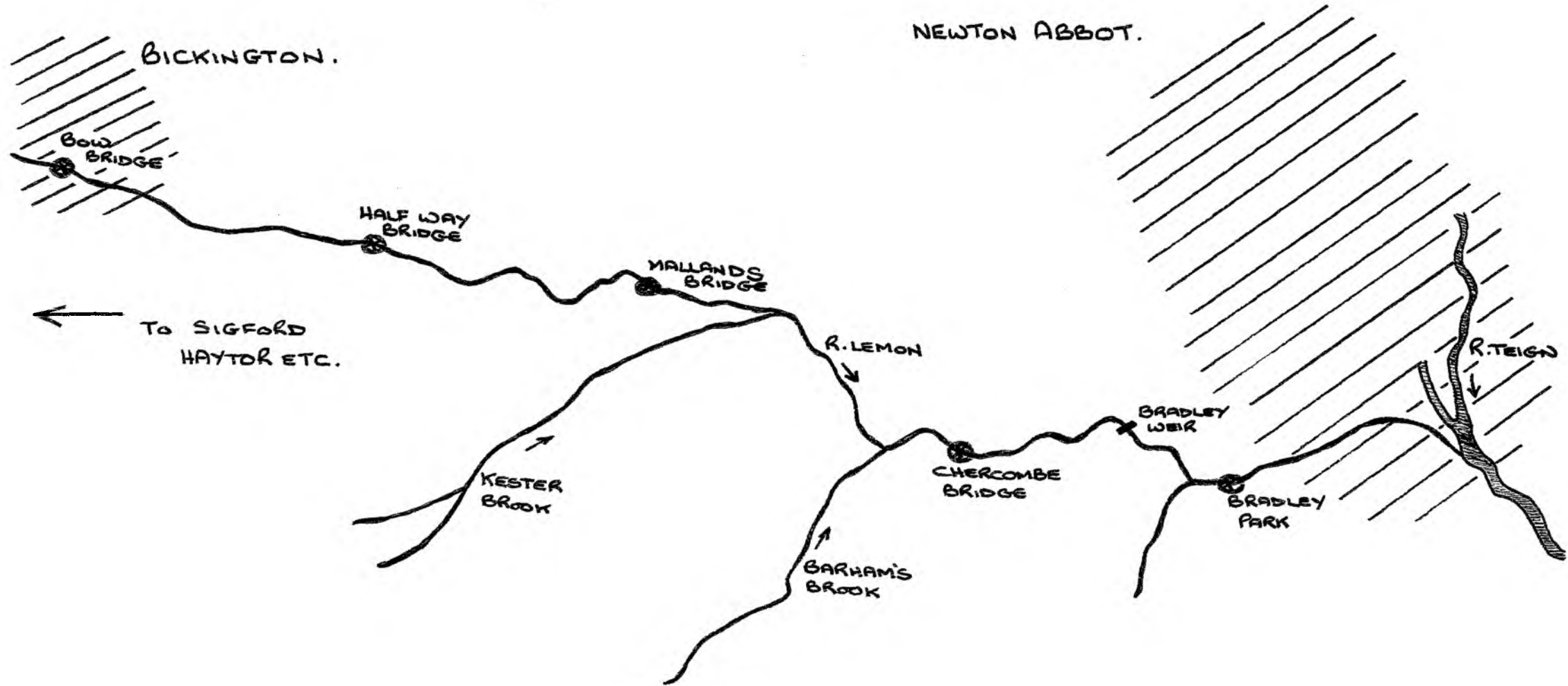
BOW BRIDGE, BICKINGTON. Grid Ref : 795724 Rock bottom on stickles. silt and sand build up in pools and slow stretches. Mainly fast stickle. Max. depth 1.3m. Banks well overgrown, very little aquatic vegetation, width 1 - 3 m. Section approx. 80 m. long. Approx. area 160 m².

All fish measured in millimetres.

27th April 1978

1st Fishing	2nd Fishing	3rd Fishing
<u>Trout</u>	<u>Trout</u>	<u>Trout</u>
210	178	159
182	130	113
229	150	162
163	218	178
186	138	166
197	172	97
166	175	152
147	204	93
2	198	158
180	94	
170	214	
167	189	9 No.
170	205	
229	163	
221	114	
145	157	
266	104	
183	108	
108	160	
211	108	
147	110	
174	177	
166	143	
214	176	
199	89	
176	148	
149	98	
1	204	
246	122	
224	97	
147	107	
148	112	
127	148	
128	97	
111	98	
104	104	
181	87	
97	89	
163	92	
137	98	
161		
218		
148		
161		
183		
227		
90 No.	40 No.	
		In addition to the above salmonid species, the following species were also taken :
		Eels 14
		Brook Lamprey 2
		Bullhead 1

RIVER LEMON : FISHERIES SURVEY 1978



SKETCH MAP SHOWING POSITIONS OF FISHED SECTIONS (NOT TO SCALE).