

TOTAL COUNTS OF LIVE FISH - WILLIAMS, 1953 - stream surveys.

pencilled numbers = number estimated + fish on which number presence or absence of tags could not be discerned.
 ** - not surveyed

TOTAL LIVE FISH
 (including tags)

DATE

SECTION	Aug 10	Aug 17	Aug 26	Sept 3	Oct 1	T
I	27	46	218 ¹⁹	87 ⁵	0 ⁰	428
II	1116 ²³⁸	1905 ²⁶⁶	1487 ⁸⁵	526 ¹⁰	102 ⁰	5136
III	935 ⁸⁸	1346 ⁷³	1022 ⁰	183 ⁰	6 ^{**} 21 ⁰	3507
IV	601 ¹⁴	1535 ⁸⁹	1212 ³	385 ⁰	2 ⁰	3735
TOTAL	2679 ⁵⁴⁰	4882 ⁶⁰⁸	3939 ¹⁰⁷	1181 ¹⁵	125	

ELIZA
 Dead

**	69	**	**	**	**
1	47 ⁴	259 ¹⁴³	252 ¹⁴⁷	**	**

pencilled numbers = number in total not estimated for tags

TAG RETURNS

RxW (recovered at Williams, tagged at River)

SECTION	I	II	III	IV	TOTAL	ELIZA Dead
I	1	2	2	0	0	5
II	10	11	15	6	0	42
III	6	6	10	3	0	25
IV	3	7	12	2	0	24
TOTAL	20	28	39	11	0	96
ELIZA Dead	**	3	**	**	**	**
	0	1 (ELIZ)	1	6	**	**

WX? - only one side seen - could be WXR or WXW

SECTION	I	II	III	IV	TOTAL	ELIZA
I	0	0	0	0	0	**
II	9	1	3	0	0	**
III	0	2	0	0	0	**
IV	0	5	0	1	0	**
TOTAL	9	8	3	1	0	21
ELIZA	**	0	**	**	**	**

w x w - tagged at river, recovered at Williams.

SECTION	Aug 10	Aug 17	Aug 26	Sept 3	Oct 1	T
<u>I</u>	0	0	0	0	0	0
<u>II</u>	3	2	8	0	0	13
<u>III</u>	5	5	8	1	0	19
<u>IV</u>	5	6	0	1	0	12
TOTAL	13	13	16	2	0	44
ELIZA	**	0	**	**	**	
Dead.	0	0	0	0	**	

shwxw - shoulder tags - tagged at Williams, recovered at Williams

SECTION						Prepn.
<u>I</u>	1	3	6	1	0	11 .0027
<u>II</u>	1	3	15	0	0	19 .0042
<u>III</u>	0	2 4	5	0	0	16 .0038
<u>IV</u>	0	18	16	1	0	35 .0096
TOTAL	2	35	42	2	0	81
ELIZA	**	0	**	**	**	
Dead.			3	1	**	

Pwxw - peduncle tags - tagged @ Williams, recovered @ Williams

SECTION						
<u>I</u>	0	0	1	0	0	1 .0024
<u>II</u>	12	10	2	0	0	24 .0053
<u>III</u>	11	1	4	0	0	16 .0038
<u>IV</u>	6	5	2	0	0	13 .0036
TOTAL	29	16	9	0	0	54
ELIZA	**	0	**	**	**	
Dead	0	0	1	2	**	

P 0x0 - peduncle tags - tagged @ Williams, recovered @ Williams.

SECTION	Aug 10	Aug 17	Aug 26	Sept 3	Oct 1
<u>I</u>	2	2	1	0	0
<u>II</u>	1	3	23	0	0
<u>III</u>	3	1	3	0	0
<u>IV</u>	0	4	0	0	0
TOTAL	6	10	27	0	0
ELIZA	**	1	**	**	**
Dead	0	0	0	0	**

Box 0 posterior to dorsal tagged @ Williams, recovered @ Williams

SECTION						ALL Williams tags (comb.)				
	Shww	Pww	Poxo	Bww	T	Shww	Pww	Poxo	Bww	T
<u>I</u>	0	0	0	0	0	11	1	5	14	31
<u>II</u>	0	0	1	0	0	19	24	7	28	78
<u>III</u>	0	0	0	0	0	16	16	7	17	56
<u>IV</u>	0	0	0	0	0	35	13	4	12	54
TOTAL	0	0	1	0	0					
ELIZA	**	0	**	**	**					
Dead	0	0	0	0	**					

B w w - posterior to dorsal, tagged @ Williams, recovered @ Williams

SECTION	Shww	Pww	Poxo	Bww	T
<u>I</u>	0	1	9	4	0
<u>II</u>	0	2	21	5	0
<u>III</u>	0	0	16	1	0
<u>IV</u>	0	0	8	4	0
TOTAL	0	3	54	14	0
ELIZA	**	0	**	**	**
Dead	0	0	1	2	**

Total number of live fish inspected for tags.

	Aug 10	Aug 17	Aug. 26	Sept. 3	Oct. 1					
Section <u>I</u>	27	96	199	82	0	404				
<u>II</u>	878	1639	1402	516	102	4537				
<u>III</u>	847	1273	1822	183	21	4146				
<u>IV</u>	587	1466	1209	385	2	3649				
	2339	4474	4632	1166	125	8736				

Total no. River tags ^{Rxw} _{wx?}, wxw. on live fish.

Section <u>I</u>	1	2	2	0	0	5	.012
<u>II</u>	22	14	26	6	0	68	.015
<u>III</u>	11	13	18	4	0	46	.011
<u>IV</u>	8	18	12	4	0	42	.011
	42	47	58	14	0	161	

Proportion of River Tags seen among live fish

	.037	.021	.010	0	0
	.025	.0086	.0185	.012	0
	.013	.010	.010	.020	0
	.014	.012	.010	.011	0

Prop. ^{sh} wxw. tags on live fish

<u>I</u>	-	.031	.030	-	-
<u>II</u>	-	.018	.017	-	-
<u>III</u>	-	.086	.002	-	-
<u>IV</u>	-	.123	.013	-	-

Prop. P wxw tags on live fish

<u>I</u>	0	0	-	-	-
<u>II</u>	.014	.006	-	-	-
<u>III</u>	.013	.0009	-	-	-
<u>IV</u>	.010	.003	-	-	-

Prop B. wxw tags on live fish

<u>I</u>		.045		
<u>II</u>		.015		
<u>III</u>		.008		
<u>IV</u>		.006		

ESTIMATED NO. OF TAGS PRESENT IN WILLIAMS
ON DIFFERENT SURVEY DAYS
(No. tags passing into creek in 15 days preceding
survey)

	Rxw	wxw.	Pwxw	Pono	P _{rxr}	Shwxw	Bwxw
AUG 10 th	53	15	52	53	0	0	0
AUG 17 th	124	35	52 [✓]	53	7	120 [✓]	22
AUG 26 th	100	24	0	a few	a few	102	127
SEPT 3 rd	26	2	0	0		0	105

No tags seen on surveys.

AUG 10 th	20	13	29	6	0	2	0
AUG 17 th	26	13	16 [✓]	10	0	35 [✓]	3
AUG 26 th	39	16	(9)	(7)	0	42 [✓]	54 [✓]
SEPT 3 rd	11	(2)	0	0	0	(2)	(14)

Ratio tags seen : actual number.

AUG 10 th	.38	.86	.56	(.11)	0	?	-
AUG 17 th	.21	.37	.31	.19	0	.29	.135
AUG 26 th	.39	.67	?	?	0	.41	.42
SEPT 3 rd	.40	1.00	?	?	0	?	(.13)

seems to break down
toward end of run
(as in 1052)

LINKING - Let 5/10 ratio for AUG 10th = 100

100	100	100	-	-
55	43	55	* 55	* 55
102	78		78	171
105	106		-	

* ON OTHER DAYS LINK OTHER TAGS WITH RAO