

Summary of Length Frequencies

	<u>♂</u>	<u>♀</u>	
River fence	62.4	59.8	-
Williams fence (live)	- 66.4	61.0 →	61.0
Williams " (dead)	- 63.2	57.5 →	57.5
Wms Spawning ground	- 61.7	58.5 →	58.5
Wms Dead Jags *	62.4	59.9	-
			<u>1770</u>

* To compare with wms dead on fence

$$\text{Mean } \bar{y} = 1770 \div 3 = 59.0 \text{ cm}$$

$$\text{" } \bar{x} = 1913 \div 3 = 63.7$$

This is to be used for deposition calculations

Length
Tag

Dead on Sp. Grounds

1954

♂

♀

35-15

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

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61.7 27

58.5 48

No of ♂ and females

No of fish in Wms altogether



164

$$\begin{array}{r} 3213 \\ 3576 \\ \hline 6789 \end{array}$$
 } through fence
 below fence

Summary

Length Incentives

	♂	♀	
River	62.4	59.8	
Wms Ave	66.4	61.0	61
Wms Dead	63.2	57.5	57.5
Wms Sp Ground	61.7	58.5	58.5
Wms Dead togs	62.4	59.9	59.9
			3) 1770
			15
			20
			21

Dead sample showed much smaller av length than live sample.
 Assuming the dead sample was accurate what made up the error

♂
 Dead ♂
 (expected live
 Dead x 1.22)
 actual live

♂

Length	Dead	Expected Live	Actual Live	
55-45	33	7	1	6
46	4	1	0	1
47	7	1	0	1
48	14	3	0	3
49	18	3	2	1
50	28	6	0	6
51	22	5	0	5
52	6	1	2	-1
53	11	2	0	2
54	5	1	2	-1
55	10	2	2	-
56	4	1	0	1
57	10	2	2	-
58	10	2	1	1
59	15	3	0	3
60	16	3	2	1
61	22	5	8	3
62	27	6	7	1
63	28	6	1	5
64	25	5	7	2
65	45	10	10	-
66	43	9	7	2
67	46	10	15	5
68	72	16	17	1
69	57	12	15	3
70	51	17	17	6
71	39	9	11	2
72	16	3	8	5
73	9	2	4	2
74	4	1	1	-
75	1	0	1	1
76	1	0	1	1

We got 30% of expected under 55
 " " 81% " " 55-65
 133% " " 65-75

∴ a lot of small ones weren't
 sample going up.

Also ^{extra big ones} lots of big ones were

ie. its not a straight rise of
 not sampling small fish
 or small fish getting through
 the pickets

Tag Returns (tagged at arms)
June 1954
Dead on fence

1853	75.6	♀
3907	67.5	♂
1849	62	♂
3852	65	♂
3997	75.5	♂
3863	59	♀
4691	66	♀
4669	43	♂
4639	64	♀
4689	64	♂
4681	56	♀
3843	57	♀
2964		
4679	62	♀
4646	52	♂
3903	63	♂
3840	60.	♀
2961		
3989	56.5	♀
4680	61	♀
3952	54.5	♀
3879	68	♂
3846	56	♀
4653	59	♀
3964	60.5	♀
4630	65	♂
4648	57	♀
4658	61	♀
3932	54	♀
3884	62.5	♀

av. length females 59.9
av length males 62.4

18 ♀
10 ♂