

Example for Year 1929 PA 1

1

	Time		15-May	1-Jun
	Time Wt		5.4	5.9
Reach RM	Reach Wt			
	298	46.4	0	0
	296	46.1	1	1
	284	6.7	14	28
	275	0.3	18	32
	271	0.2	32	35
	266	0.2	37	37
	257	0.1	40	38

2

	0	0
	0.054	0.059
	0.756	1.652
	0.972	1.888
	1.728	2.065
	1.998	2.183
	2.16	2.242

3

Reach RM	Reach Wt	
298	46.4	0.345
296	46.1	1.248
284	6.7	39.089
275	0.3	39.026
271	0.2	39.299
266	0.2	38.799

257

0.1

37.244

Match Model

9-Jun	16-Jun	24-Jun	1-Jul	9-Jul	16-Jul	24-Jul
7.8	13.3	16	15.9	14.2	10.4	6.7
0	0	0	0	0	0	0
1	1	0	1	1	1	1
36	40	43	43	43	41	40
39	40	41	42	41	41	40
40	40	40	40	40	40	40
39	39	39	39	39	39	39
37	37	37	37	37	37	37

0	0	0	0	0	0	0
0.078	0.133	0	0.159	0.142	0.104	0.067
2.808	5.32	6.88	6.837	6.106	4.264	2.68
3.042	5.32	6.56	6.678	5.822	4.264	2.68
3.12	5.32	6.4	6.36	5.68	4.16	2.68
3.042	5.187	6.24	6.201	5.538	4.056	2.613
2.886	4.921	5.92	5.883	5.254	3.848	2.479

0.16008
 0.575328
 2.618963
 0.117078
 0.078598
 0.077598



These are the days redds werer above 53.5 water temperature for each river reach weigthed by temporal and spatial distributic

0.037244

3.664889



This is the annual estimate of time redd exposed to temperatures above 53 wiegthed by river mile and timing of construction

NOTE: we could have weighted by spac and then time and would get the exact answer.

1-Aug	16-Aug
3.1	1.4
3	18
6	19
40	39
40	40
40	39
39	38
37	36

These are the days redds were at water temperature for each river reach time point.

These are the days redds were at temperature for each river reach weighted by the timing distribution

0.093	0.252
0.186	0.266
1.24	0.546
1.24	0.56
1.24	0.546
1.209	0.532
1.147	0.504

0.345
1.248
39.089
39.026
39.299
38.799
37.244

This is the sum of the values in the table above which is used in the

F
on

ls were
3.5
redd

ce first
: same

above 53.5 F
er reach and

bove 53.5 F water
h and time point
ution of redds.

ne time weighted redds,
ne calculation below to