Example for Year 1929 PA H

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

Hatch 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 a
water temperature for each rive
time point.

These are the days redds werer al
temperature for each river reach
weighted by the timing distribu

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 th
which is used in th

F

on

ds 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