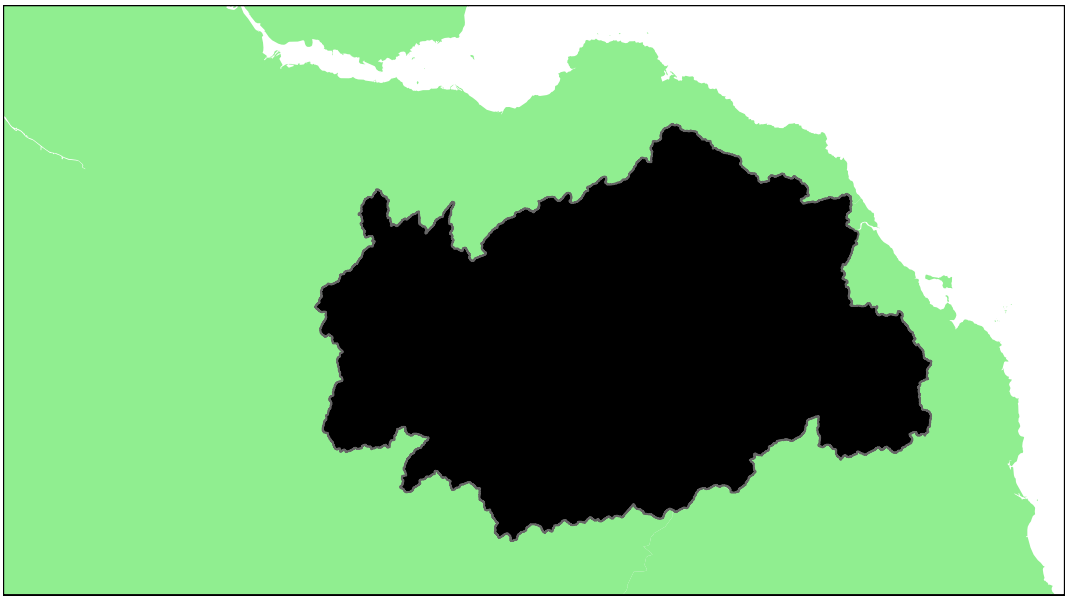
East Region

River Tweed SAC: Grade 1



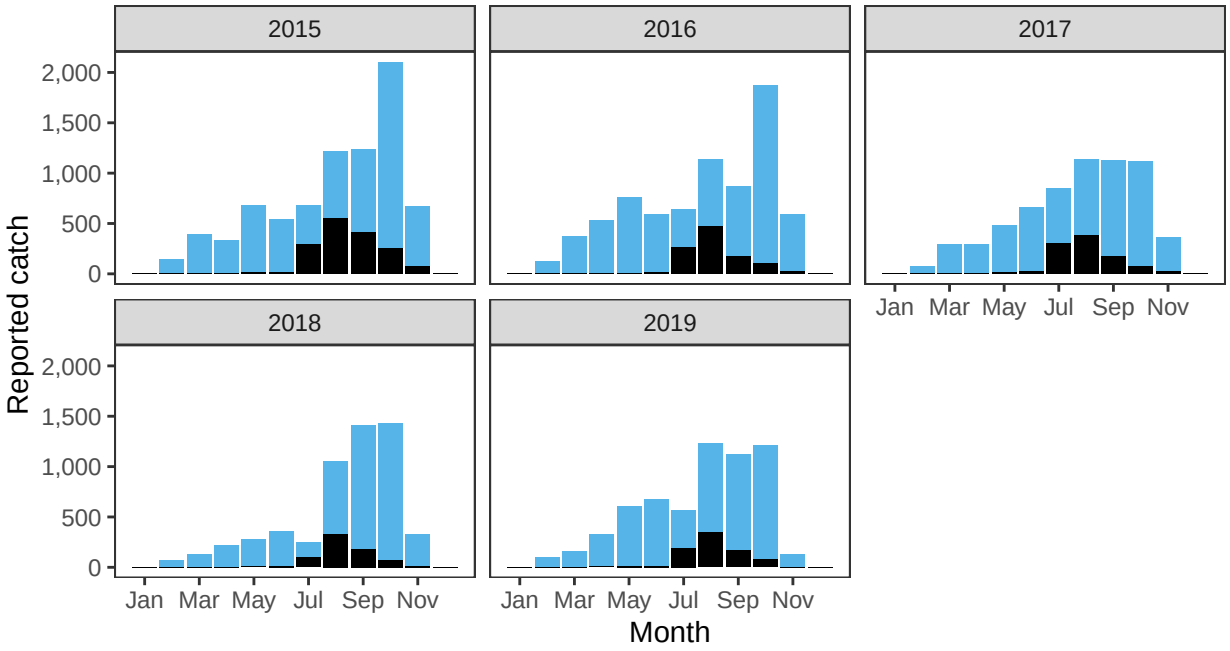
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
2.74	16,229,600	44,499,650	96.99	97.11	96.13	90.06	94.3	94.92	1

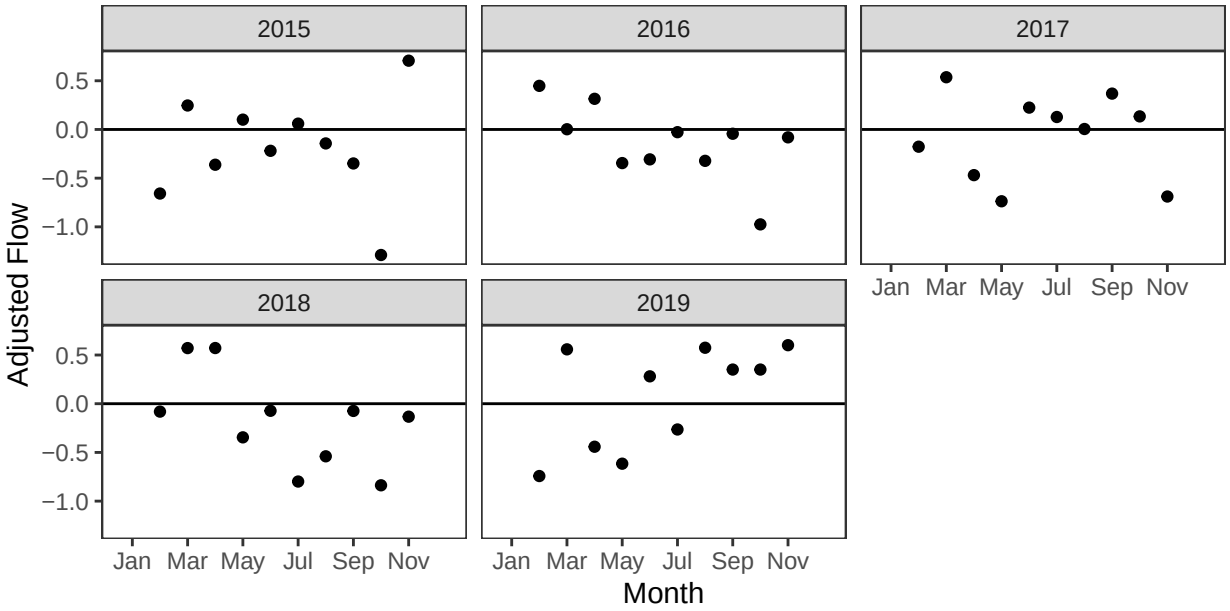
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

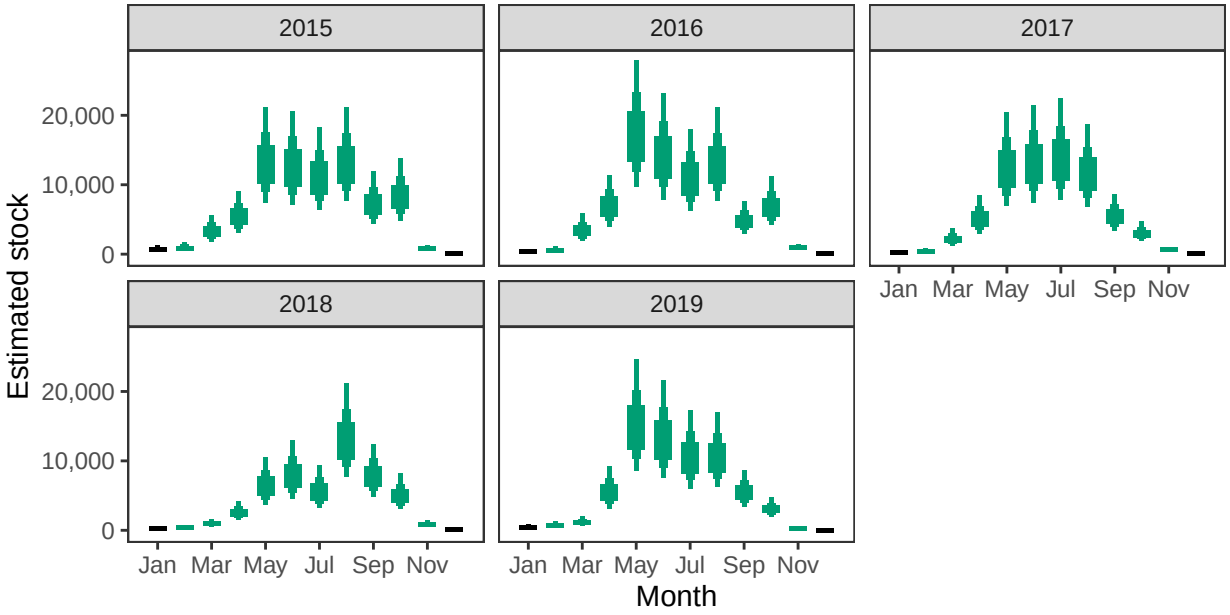
Reported Catches (black = retained, blue = released)



Monthly flow data

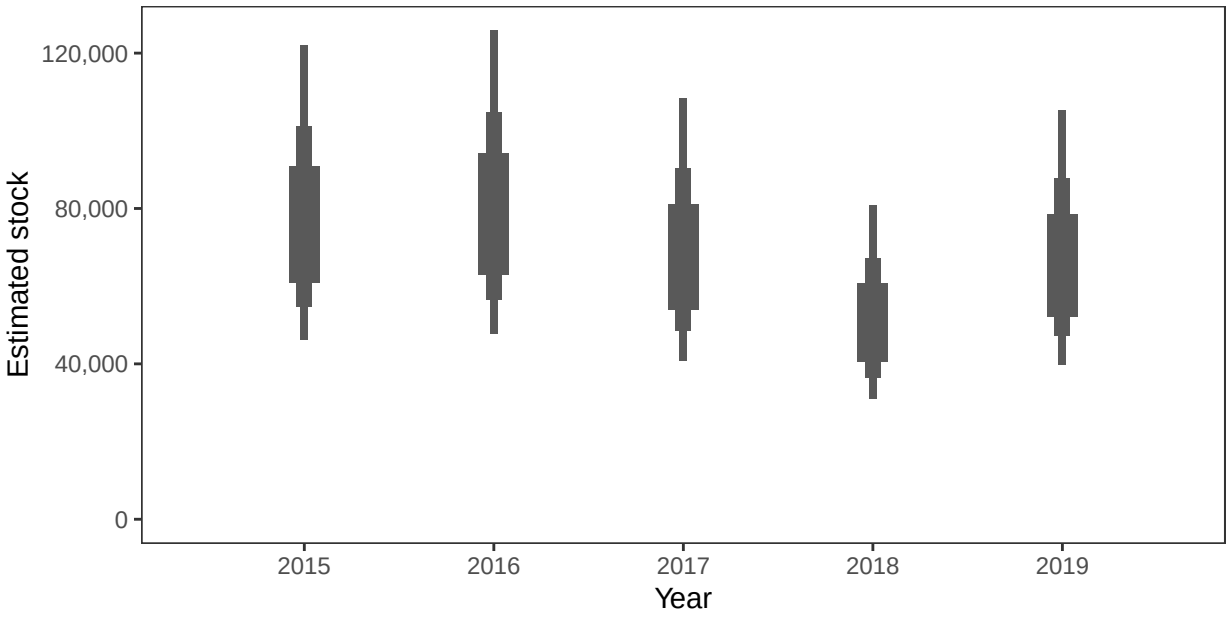


Monthly stock estimates (out of season in black)



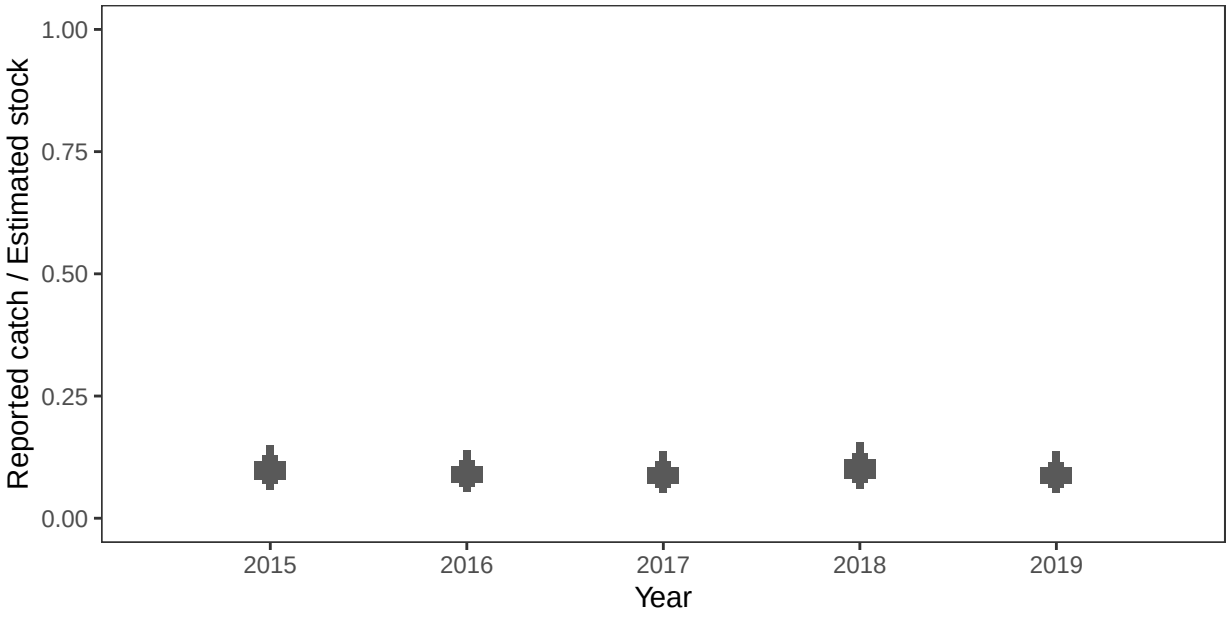
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

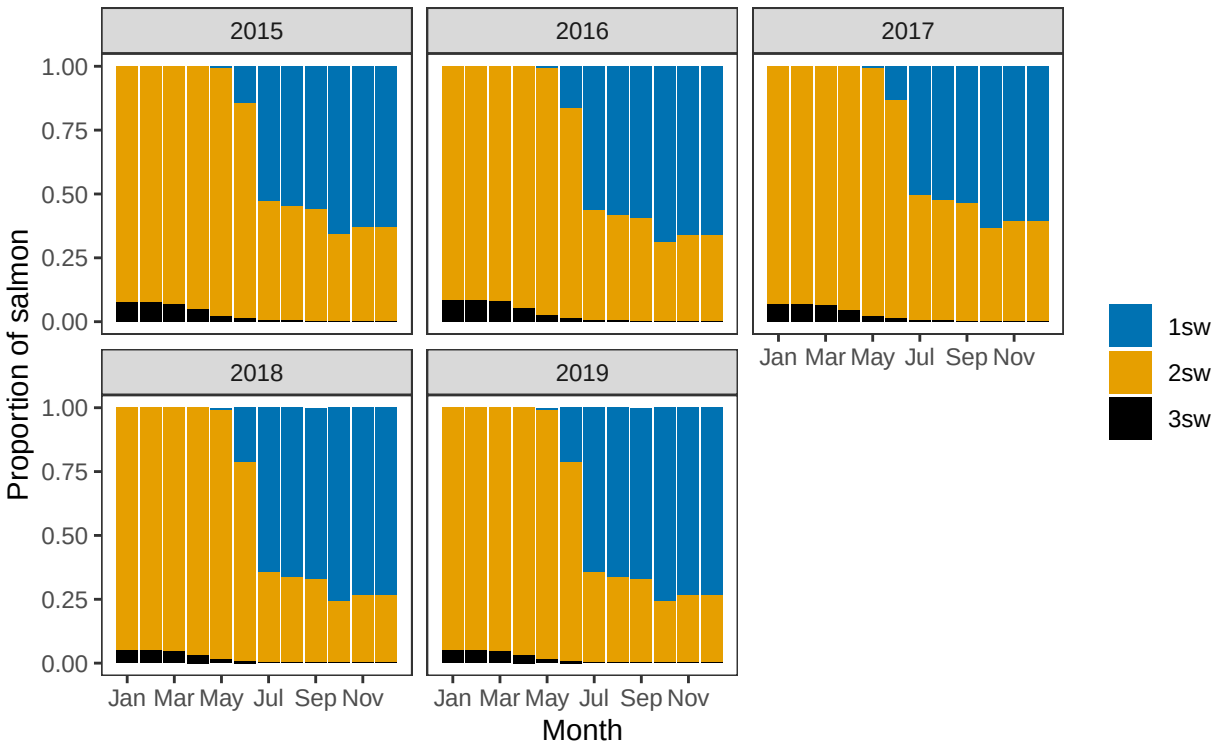
Annual catch as a proportion of stock



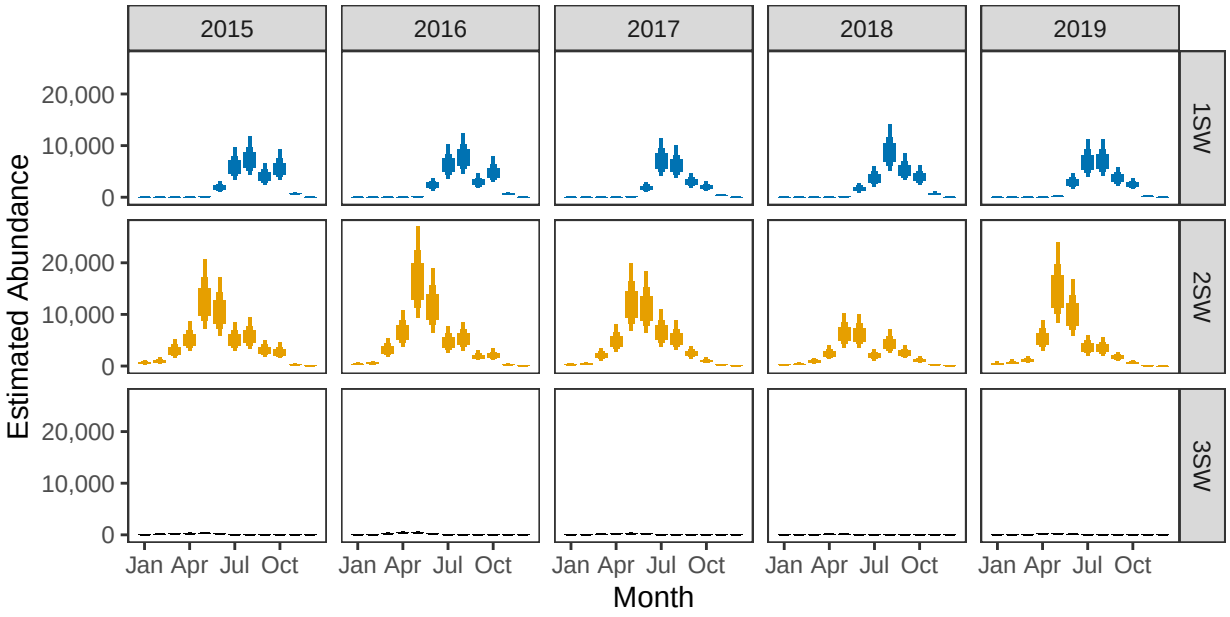
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish



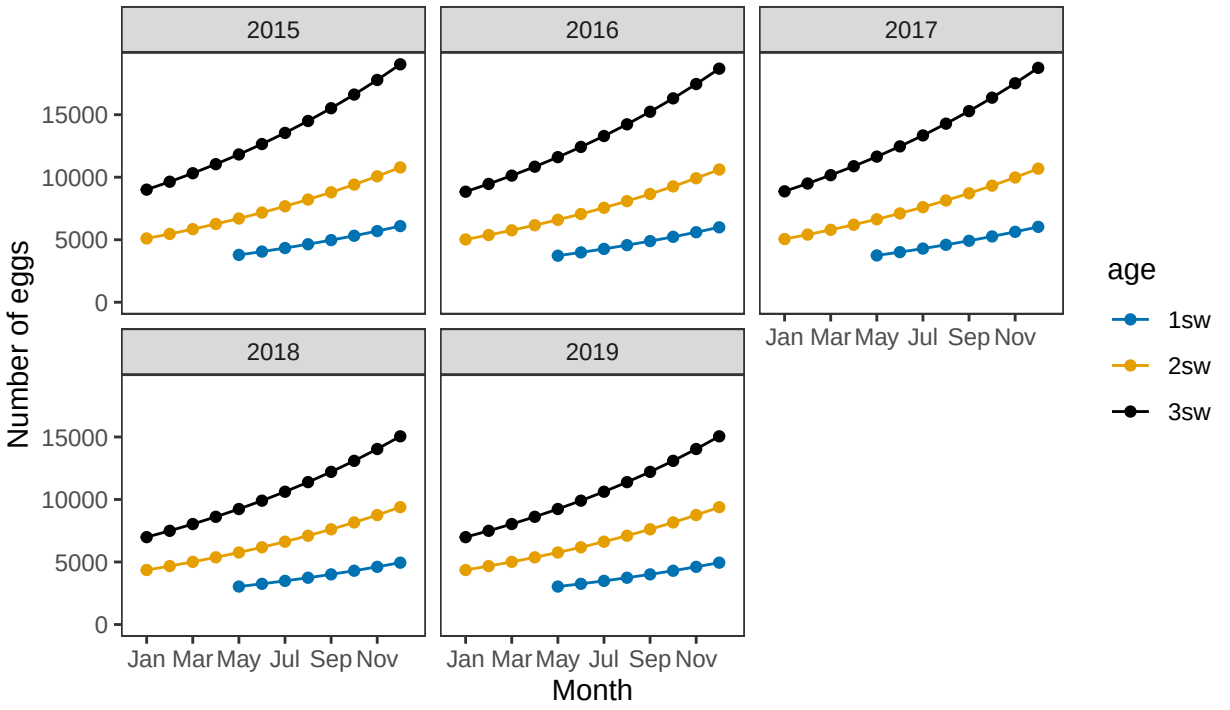
Monthly number of spawning females



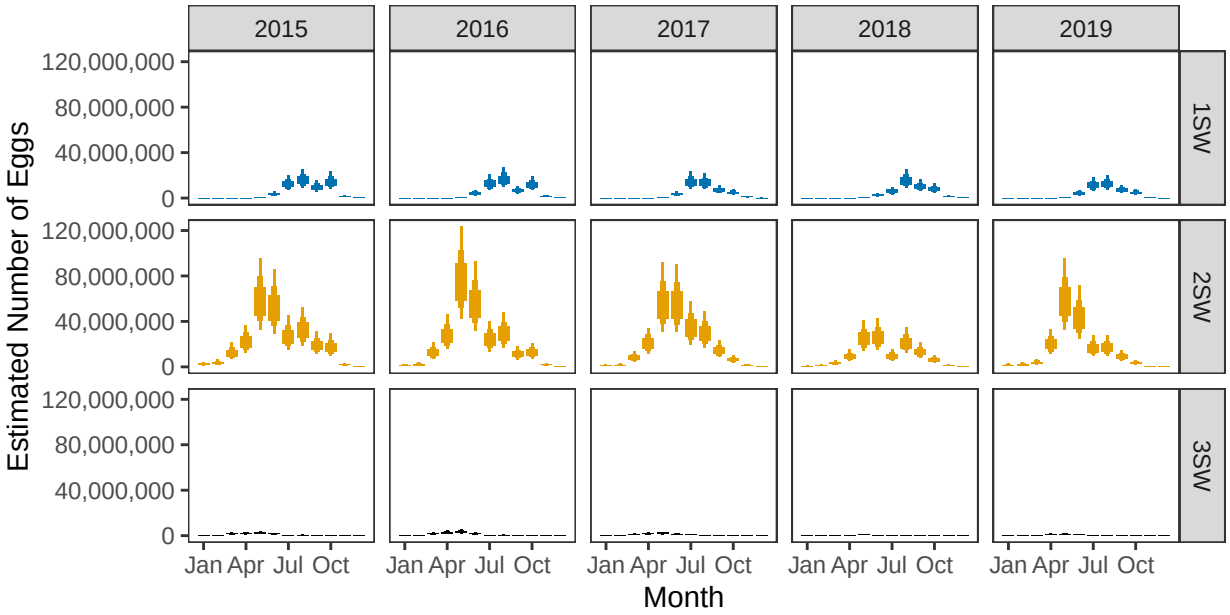
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

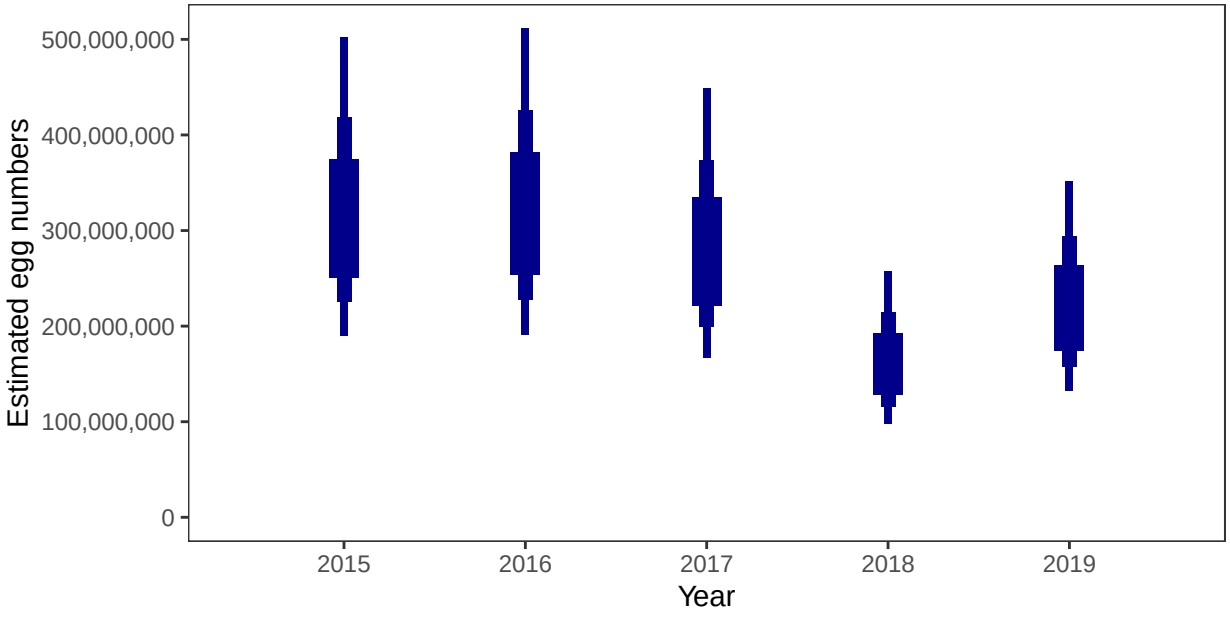


Monthly number of eggs



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Total annual egg numbers



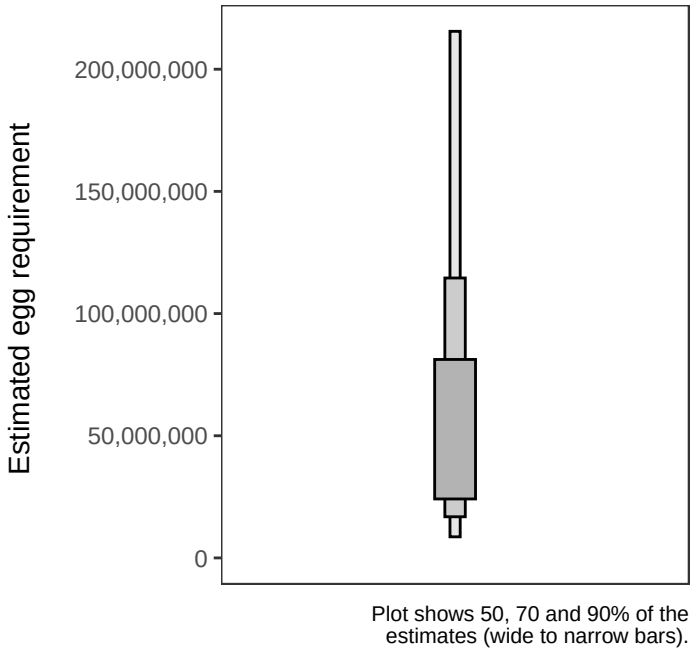
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

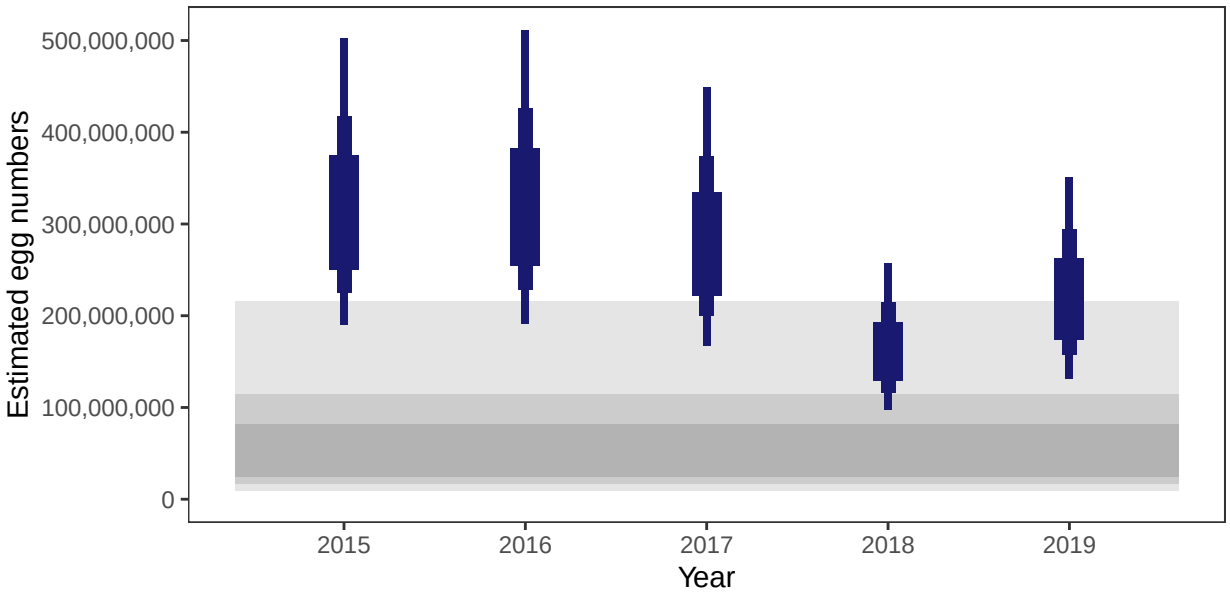
There is an estimated 18,345,025 square meters of known salmon habitat in the River Tweed SAC and a further 97,730 square meters where salmon may be present.

Egg requirement



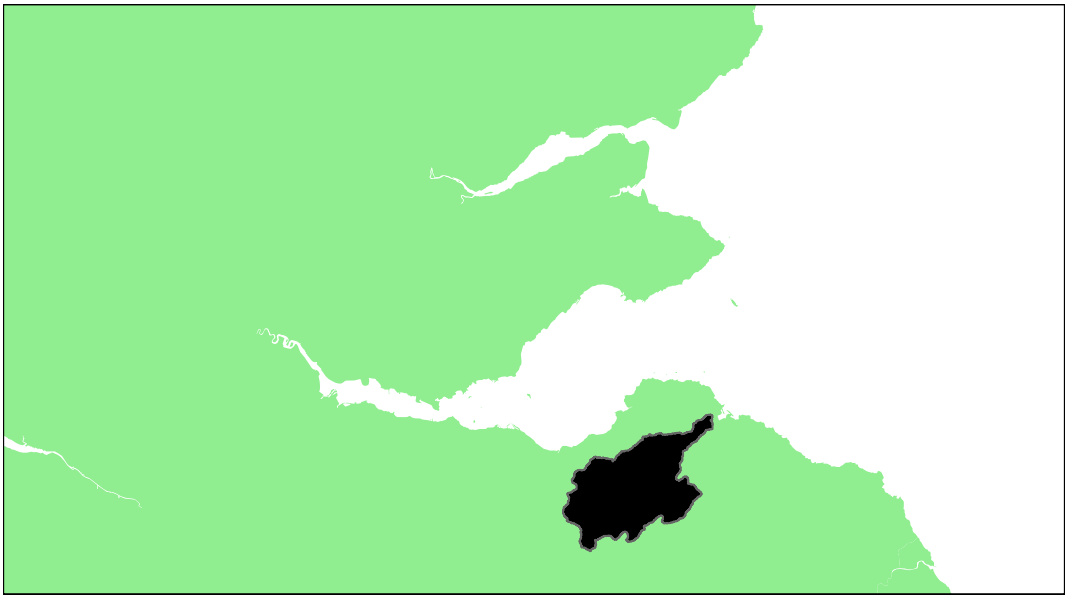
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	96.99
2016	97.11
2017	96.13
2018	90.06
2019	94.30



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Tyne: Grade 3



Detailed information on catches is not publicly available for this assessment area

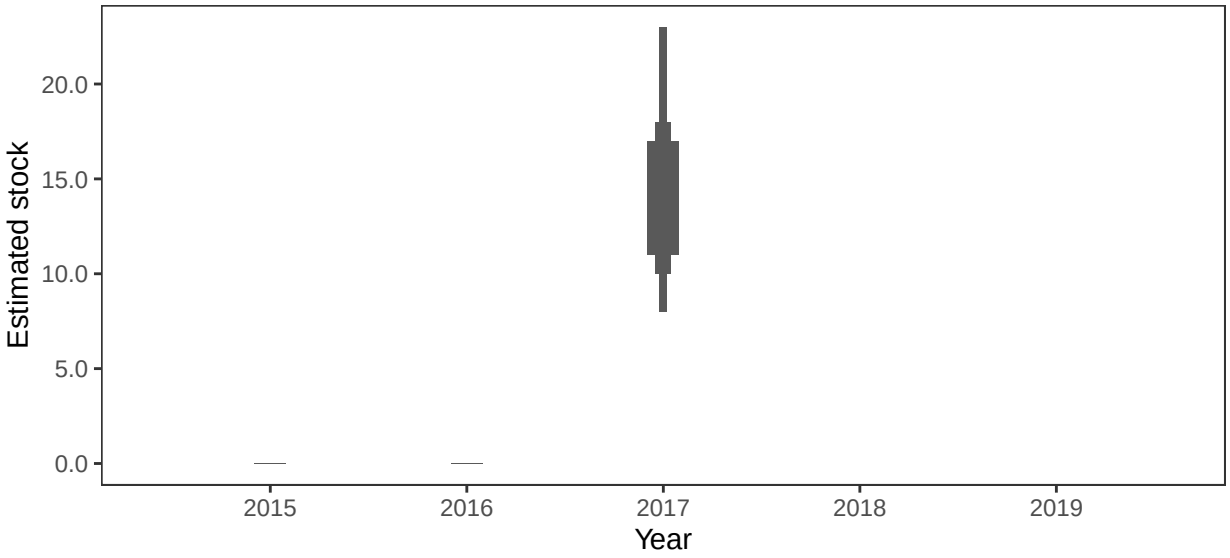
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
1.96	356,800	700,240	0	0	1.52	0	0	0.3	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

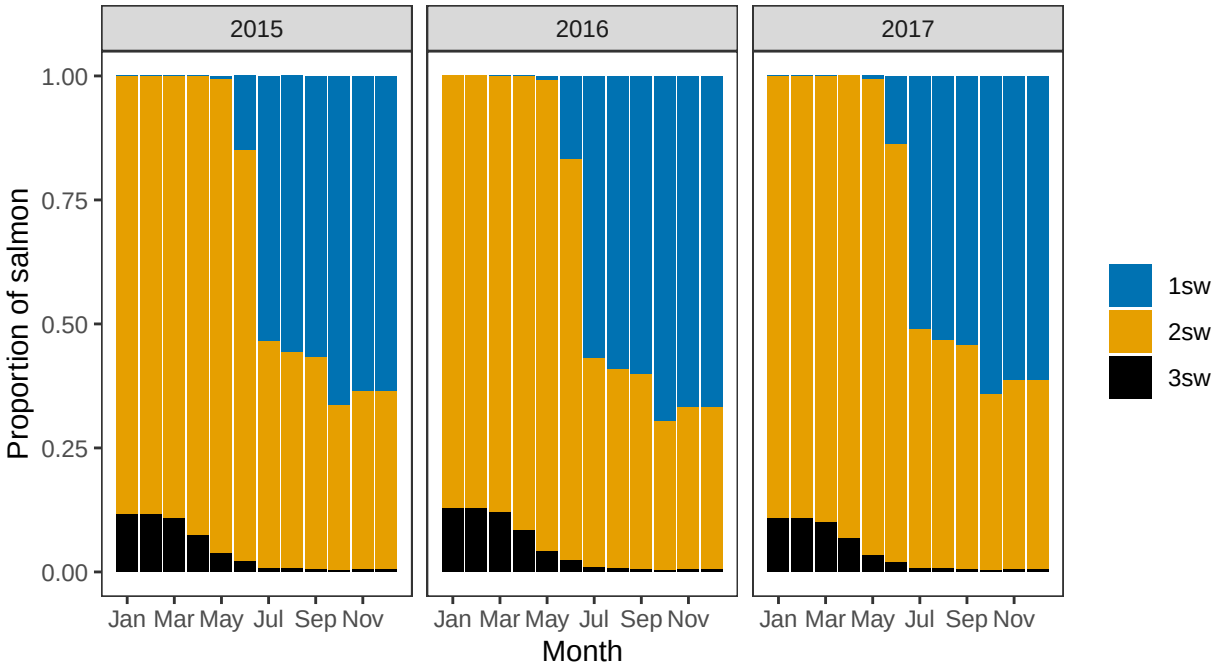
Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

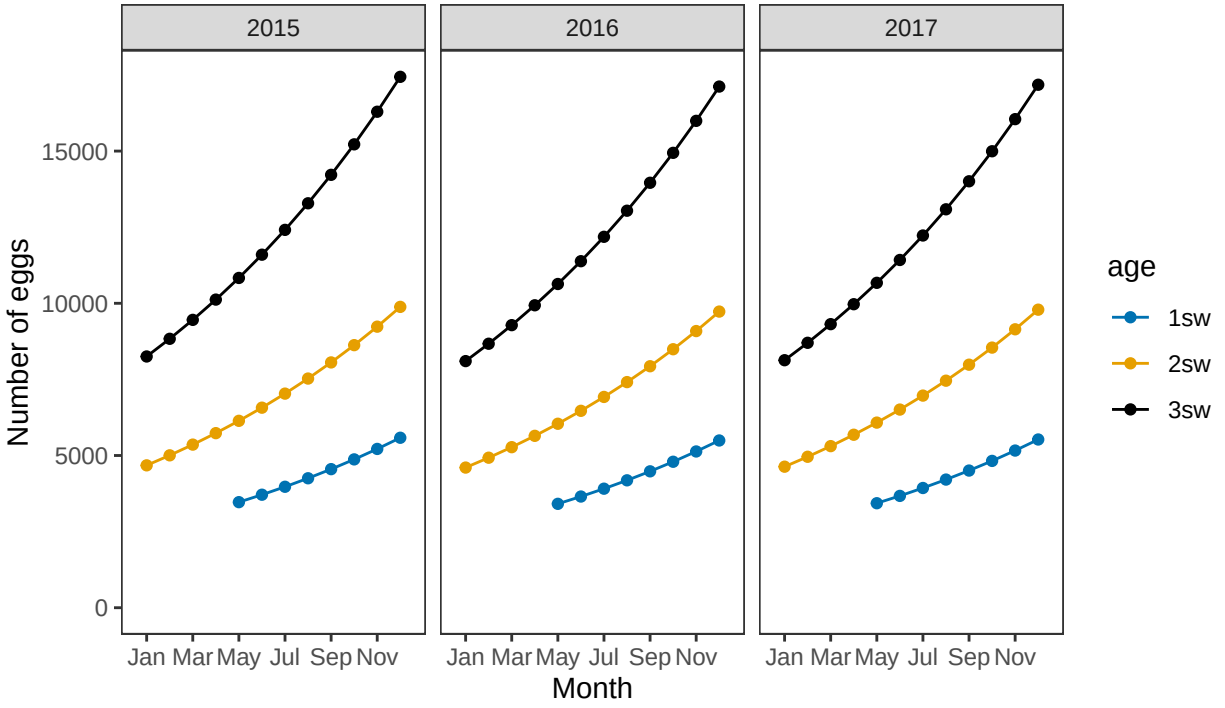
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

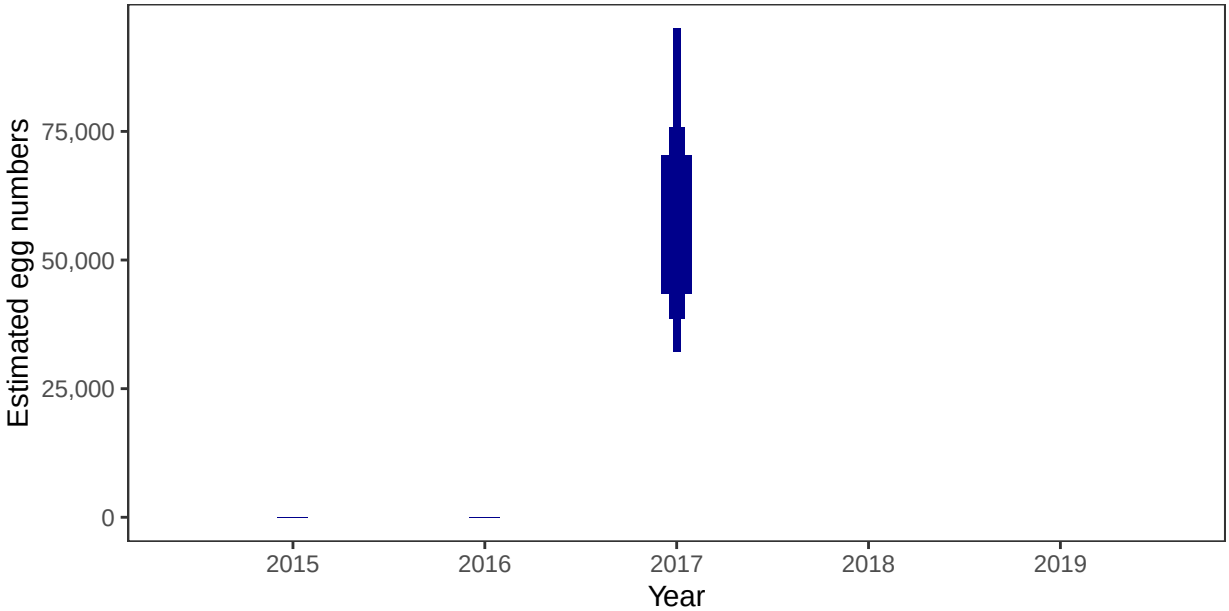


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



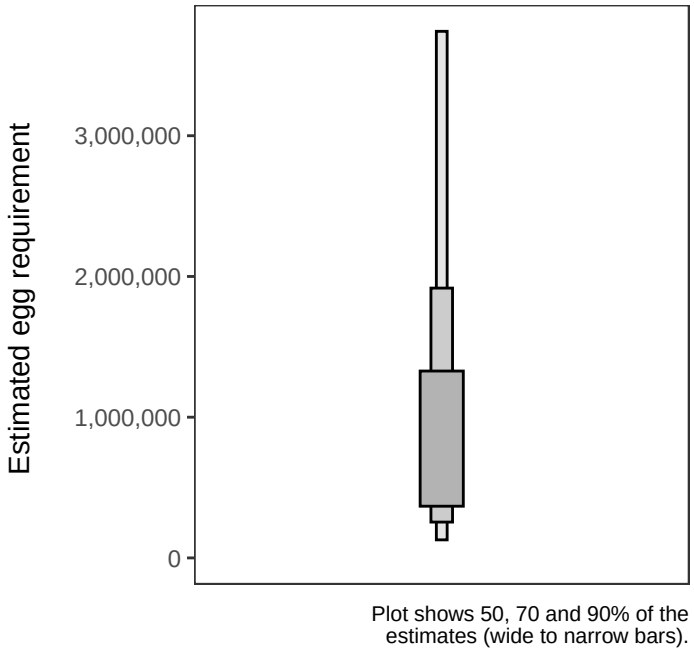
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

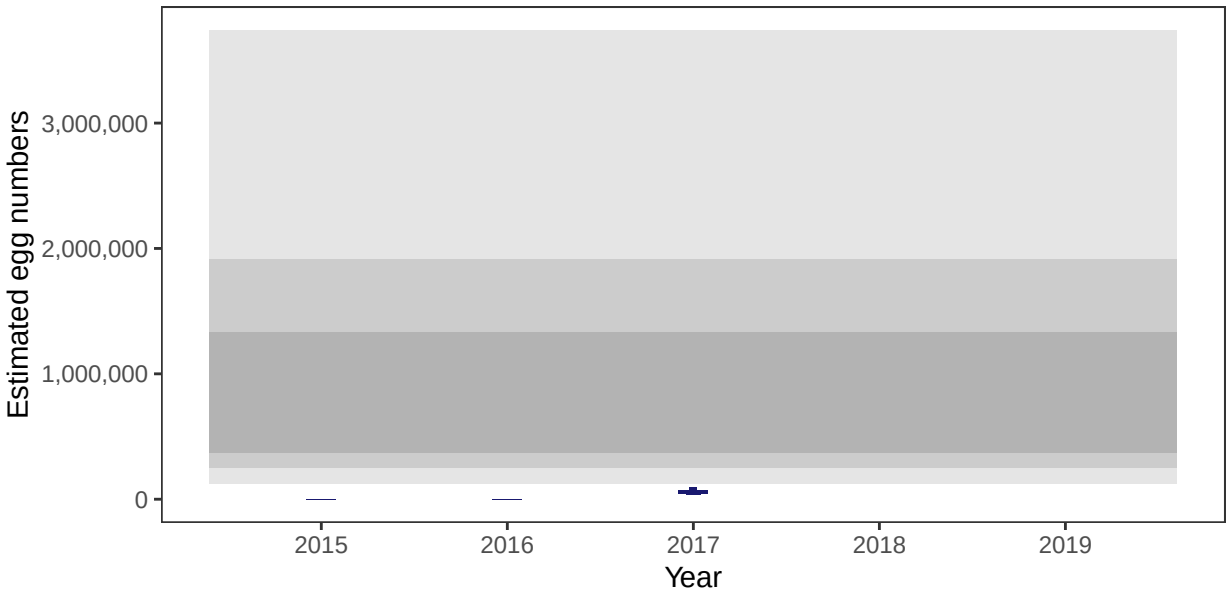
There is an estimated 356,216 square meters of known salmon habitat in the River Tyne and a further 49,277 square meters where salmon may be present.

Egg requirement



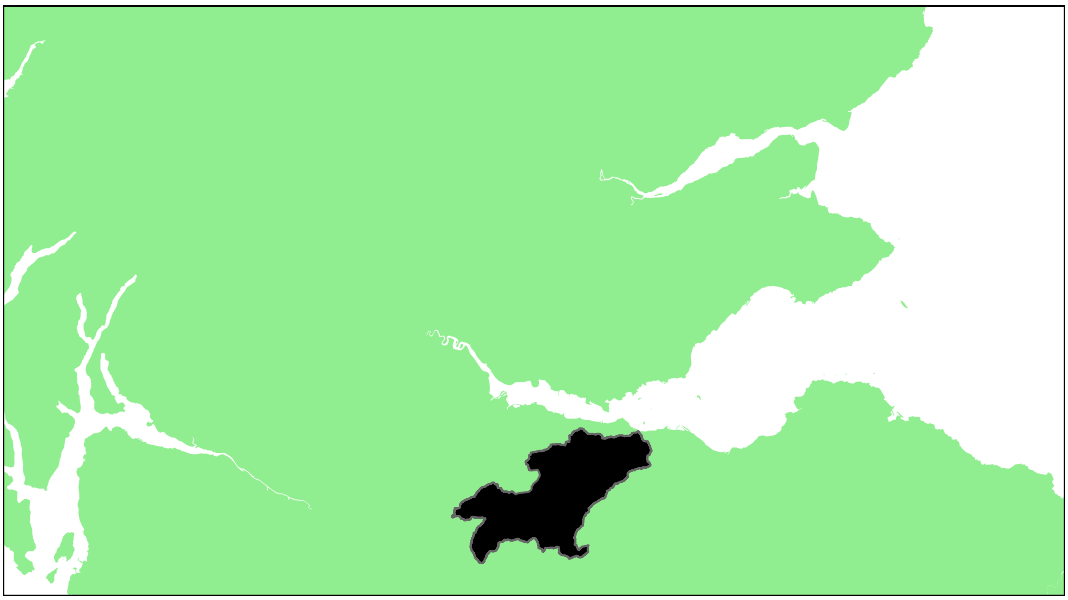
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	-
2016	-
2017	1.52
2018	-
2019	-



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Almond: Grade 3



Detailed information on catches is not publicly available for this assessment area

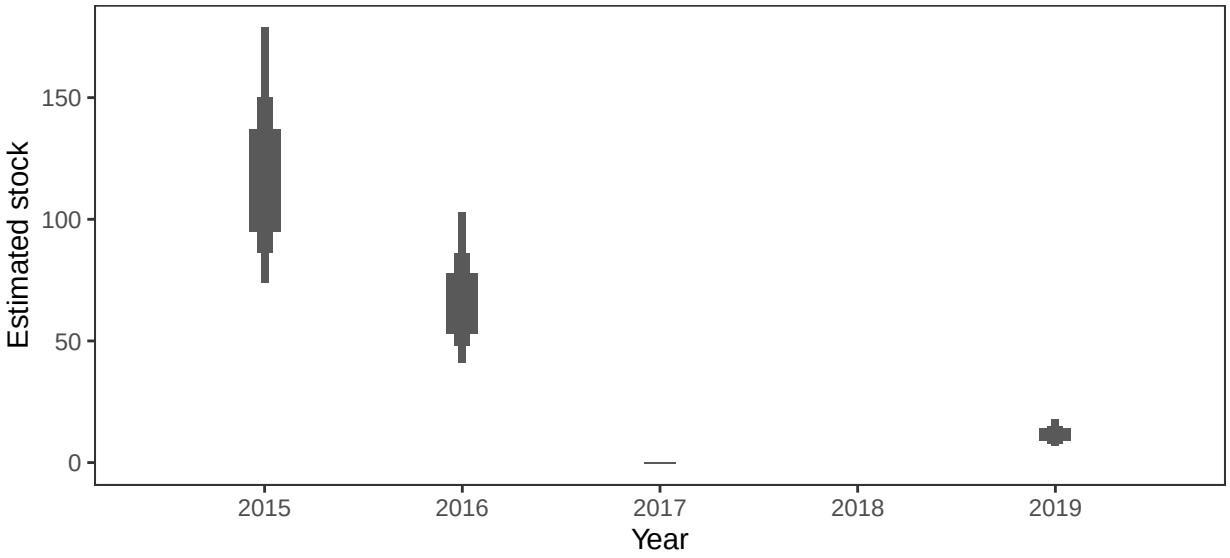
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
1.89	508,600	960,320	17.2	6.46	0	0	0.26	4.78	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

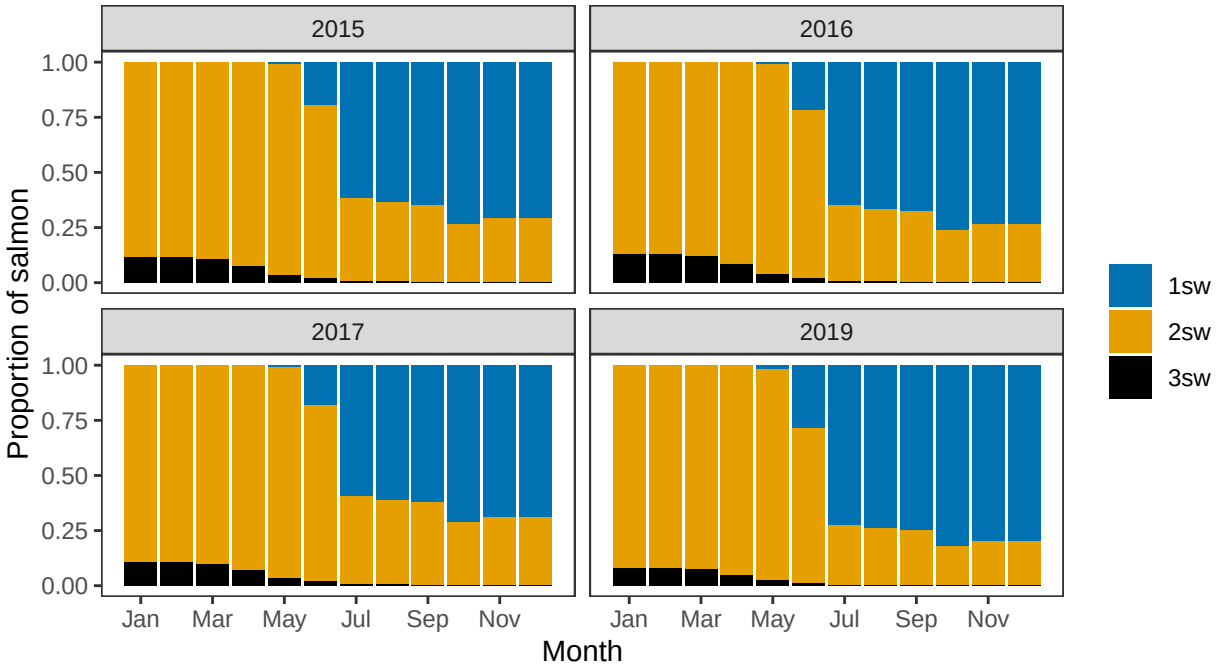
Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

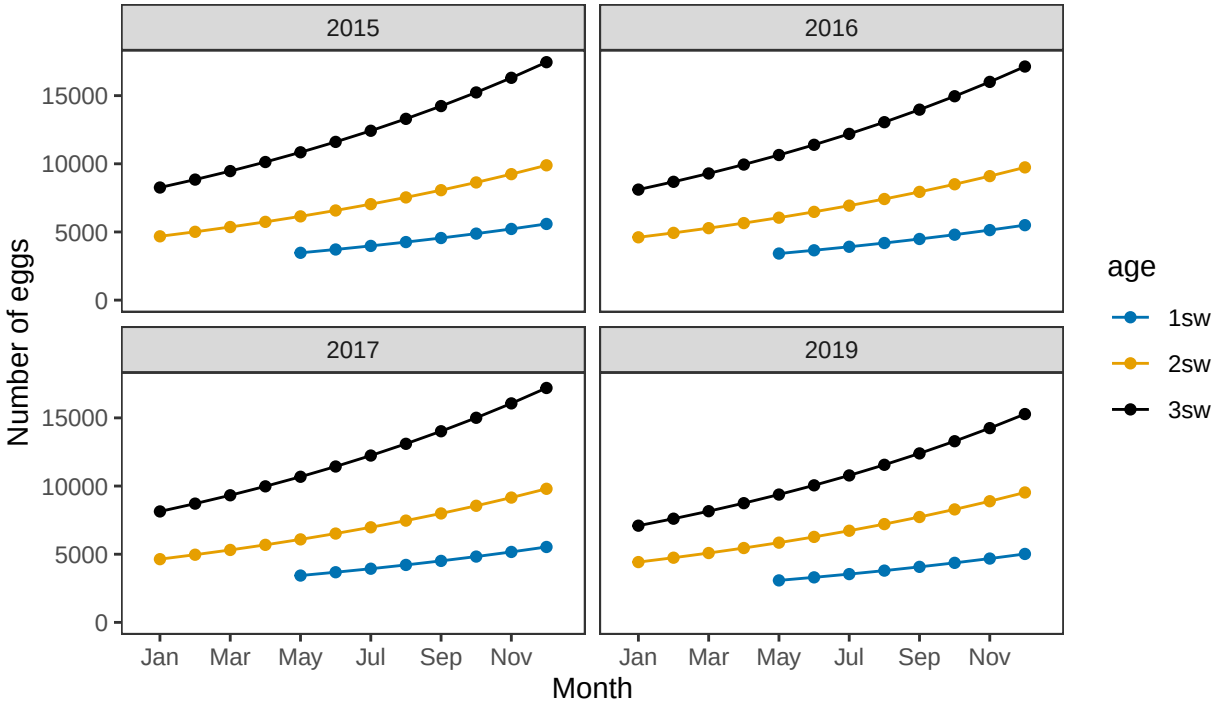
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

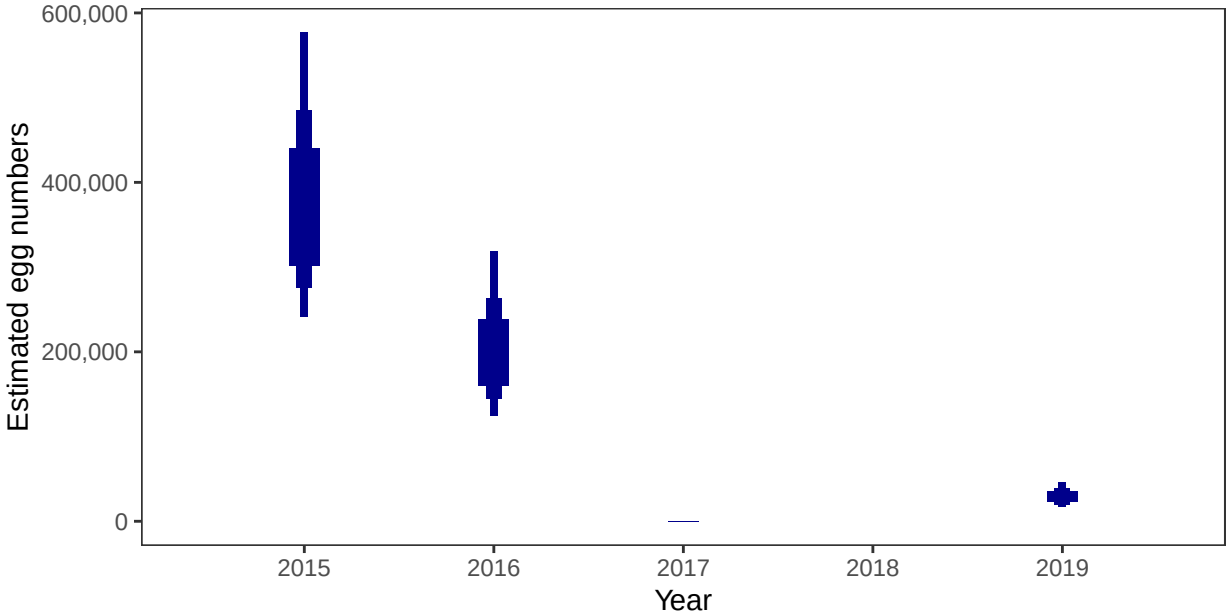


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



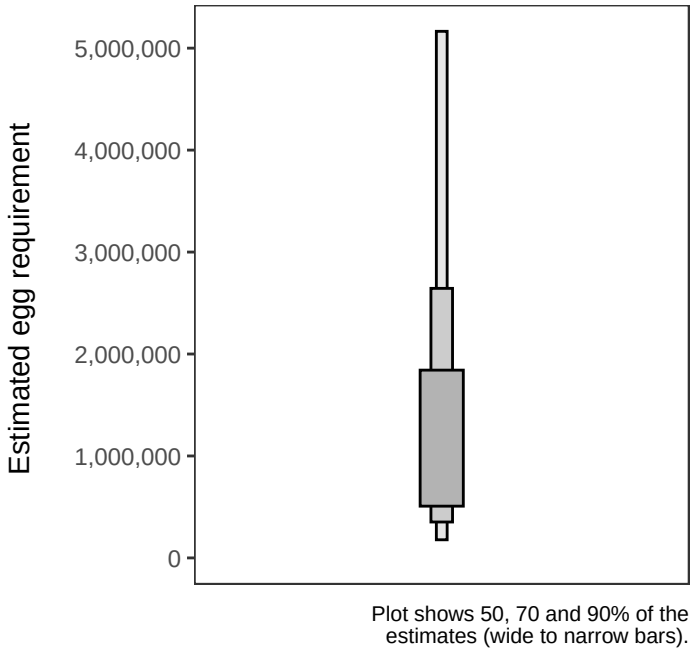
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

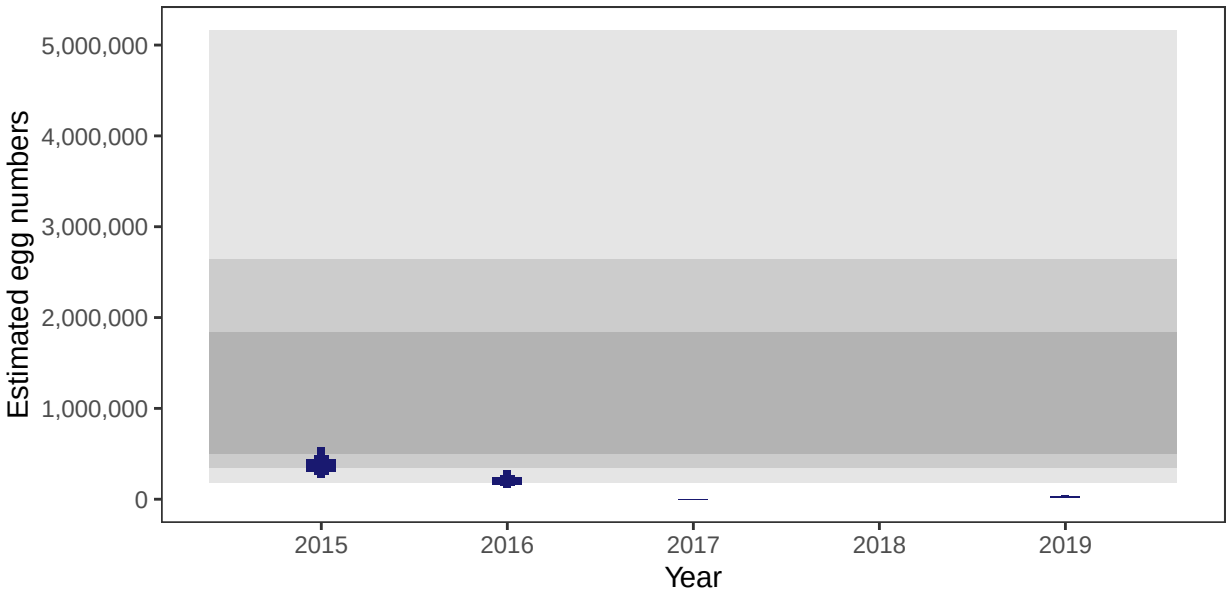
There is an estimated 479,859 square meters of known salmon habitat in the River Almond and a further 98,065 square meters where salmon may be present.

Egg requirement



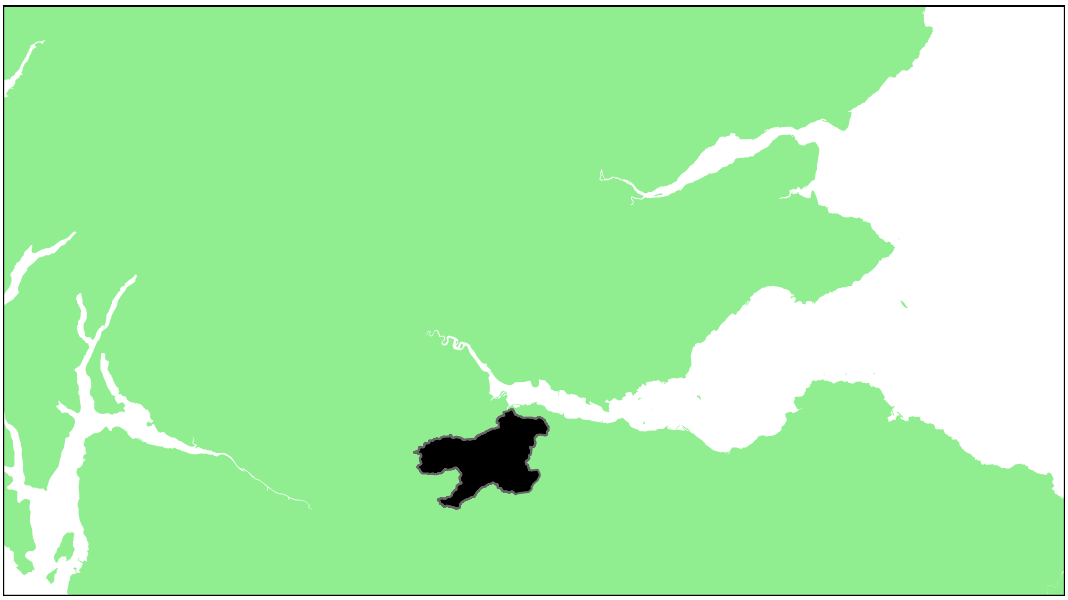
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	17.20
2016	6.46
2017	-
2018	-
2019	0.26



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Avon: Grade 3



Detailed information on catches is not publicly available for this assessment area

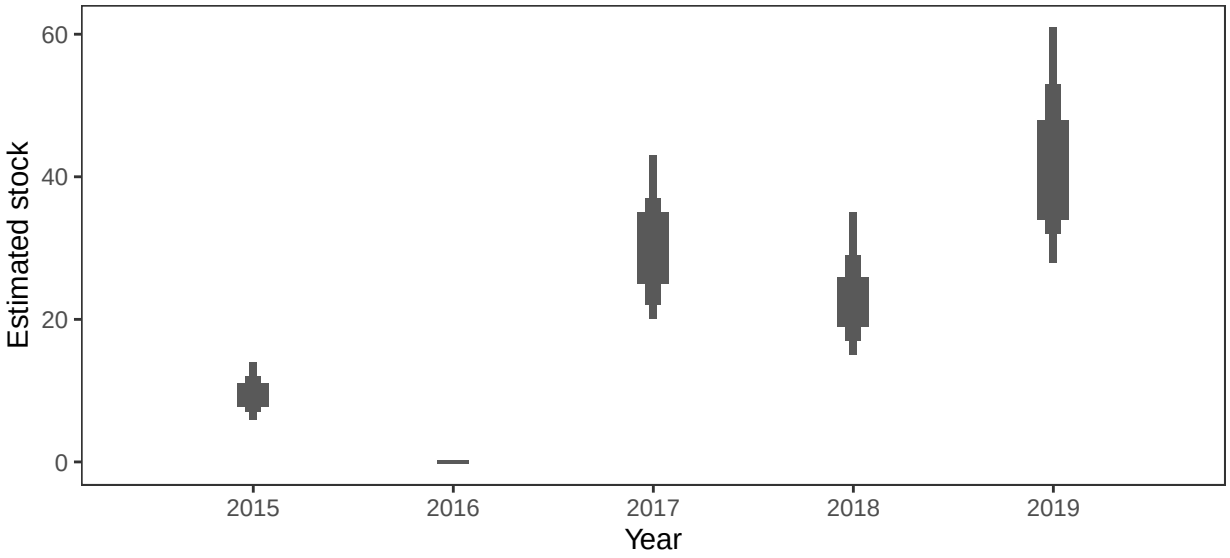
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
1.67	511,500	853,113	0.22	0	2.6	1.02	2.66	1.3	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

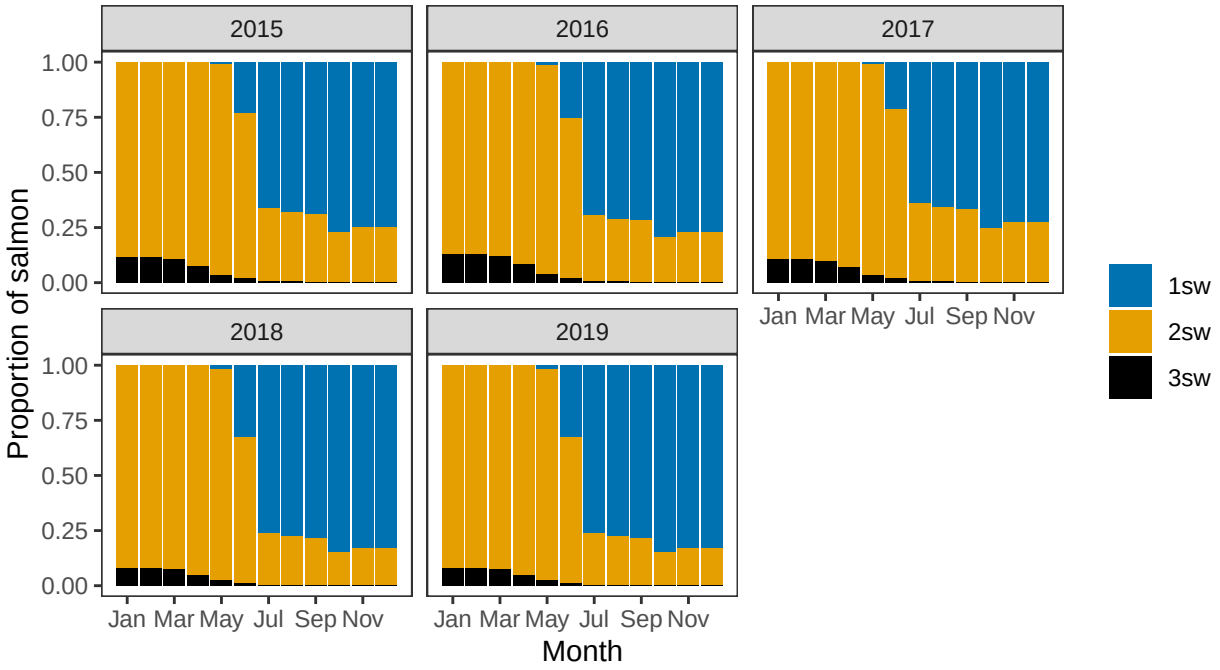
Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

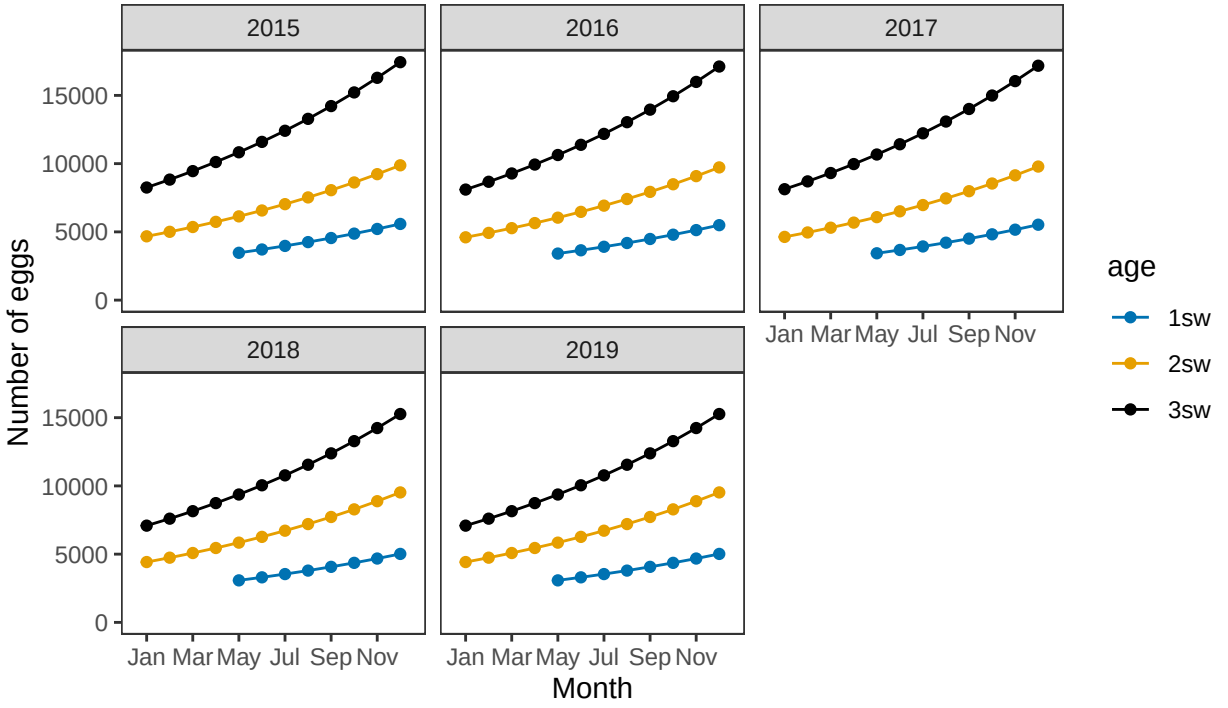
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

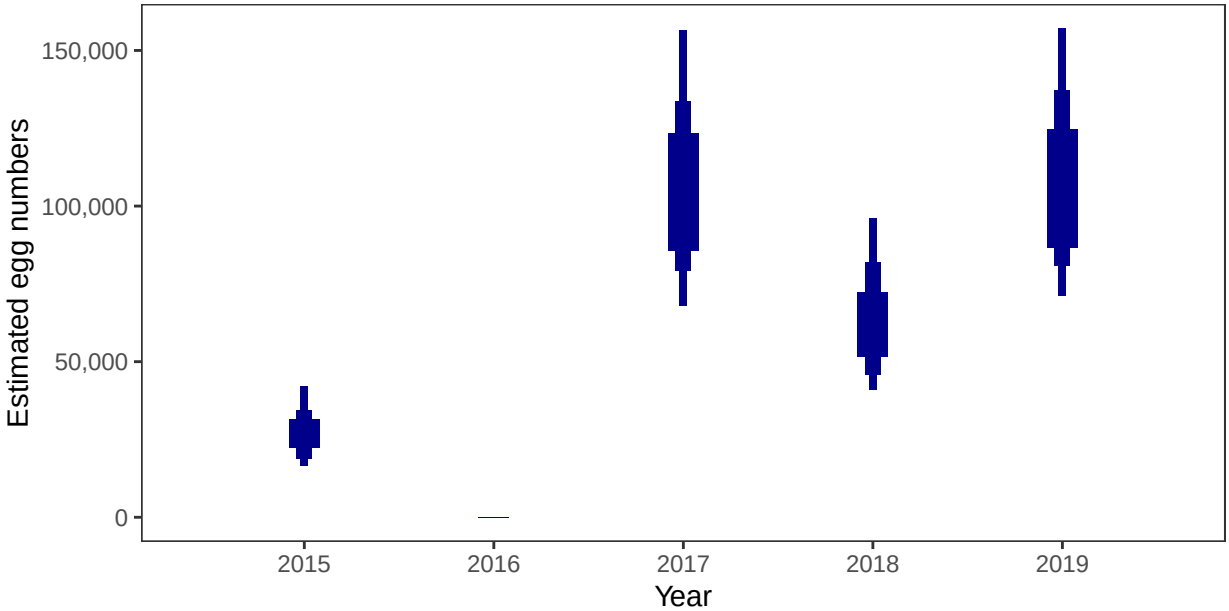


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



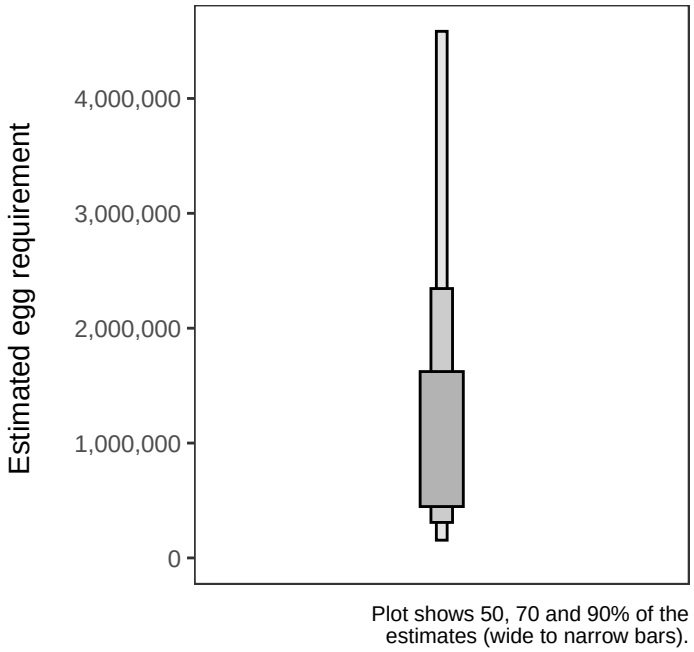
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

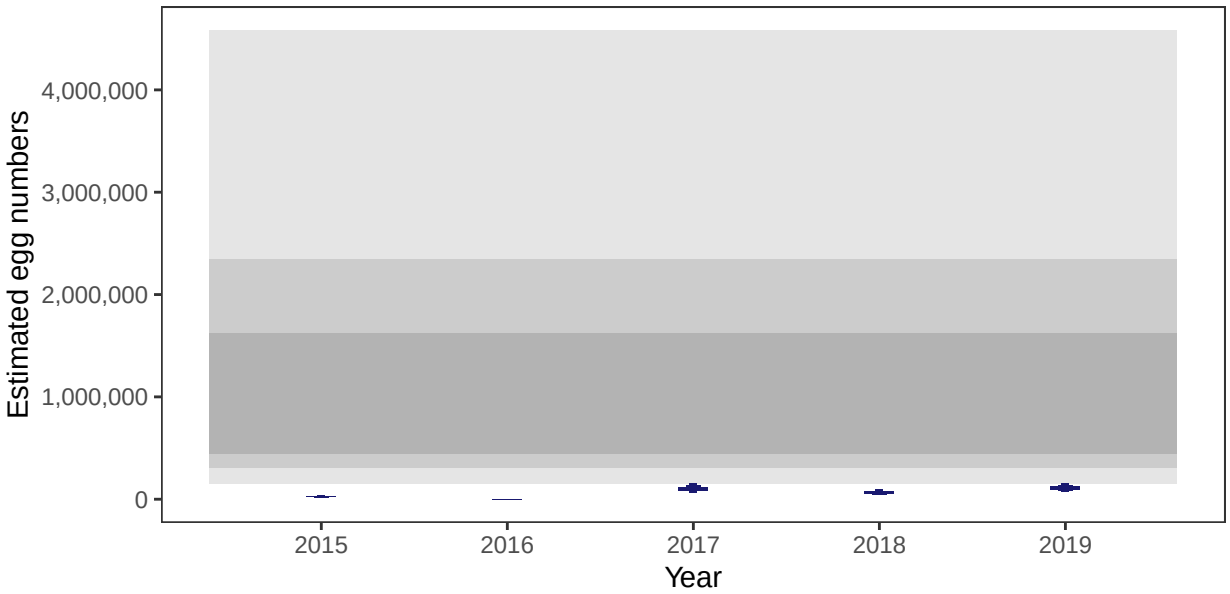
There is an estimated 357,966 square meters of known salmon habitat in the River Avon and a further 223,310 square meters where salmon may be present.

Egg requirement



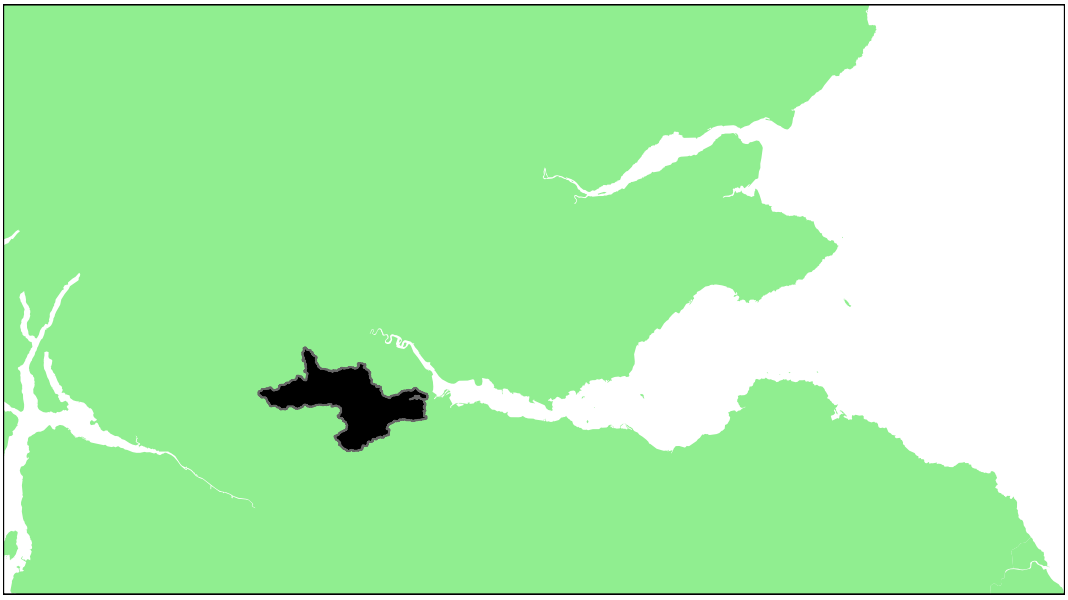
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	0.22
2016	-
2017	2.60
2018	1.02
2019	2.66



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Carron (Grangemouth): Grade 3



Detailed information on catches is not publicly available for this assessment area

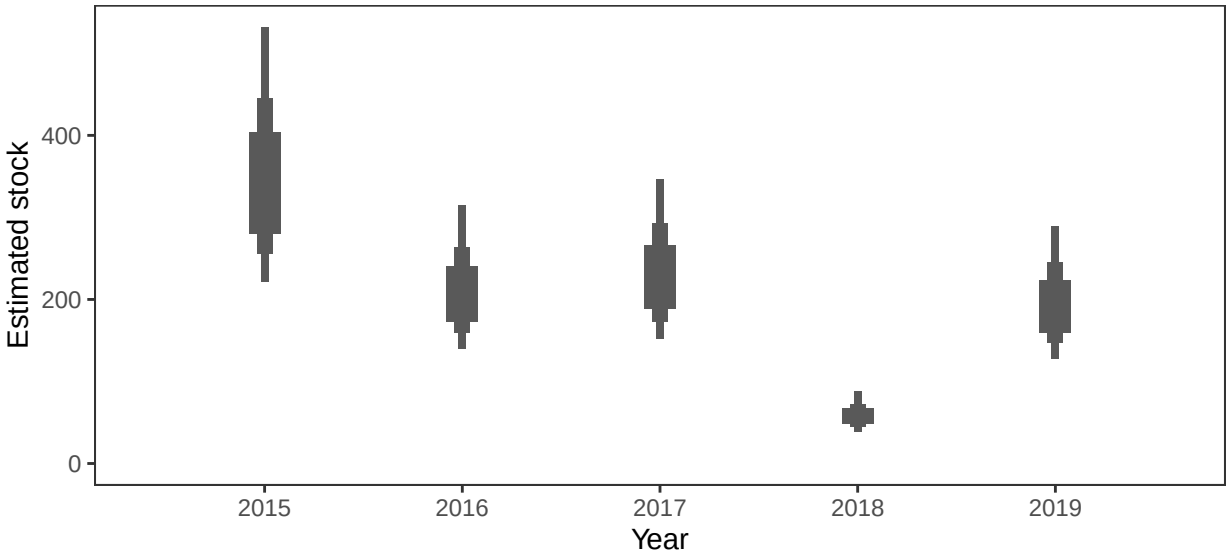
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
1.76	422,900	745,190	67.03	42.8	49.14	6.44	32.72	39.63	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

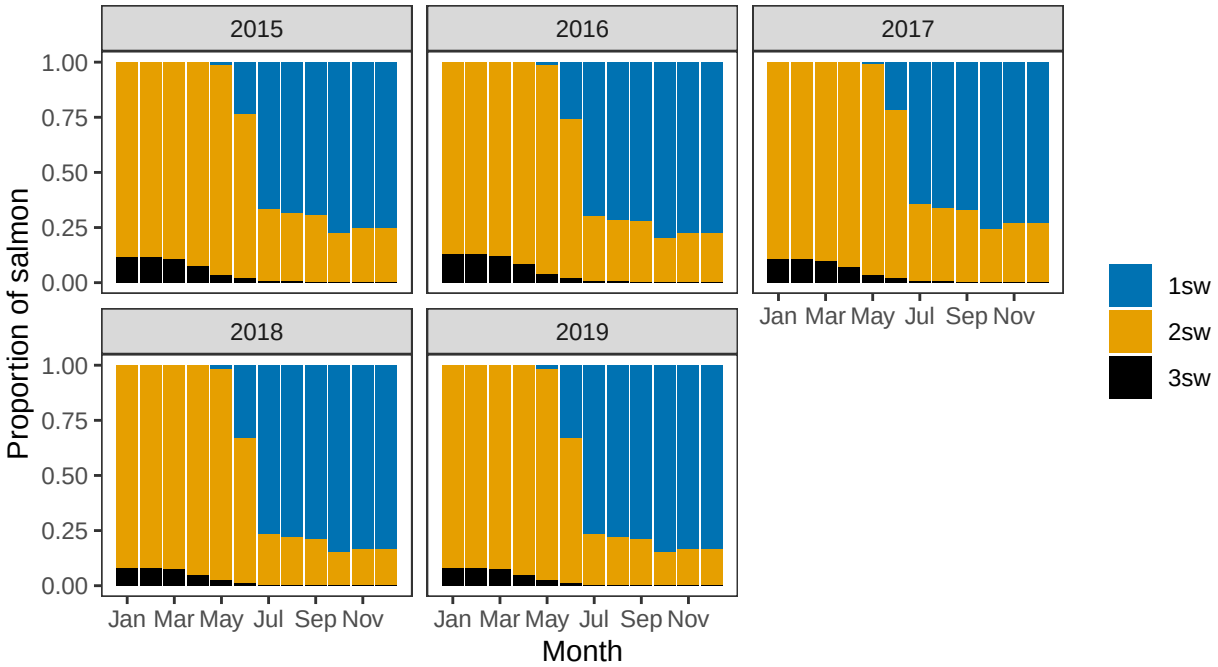
Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

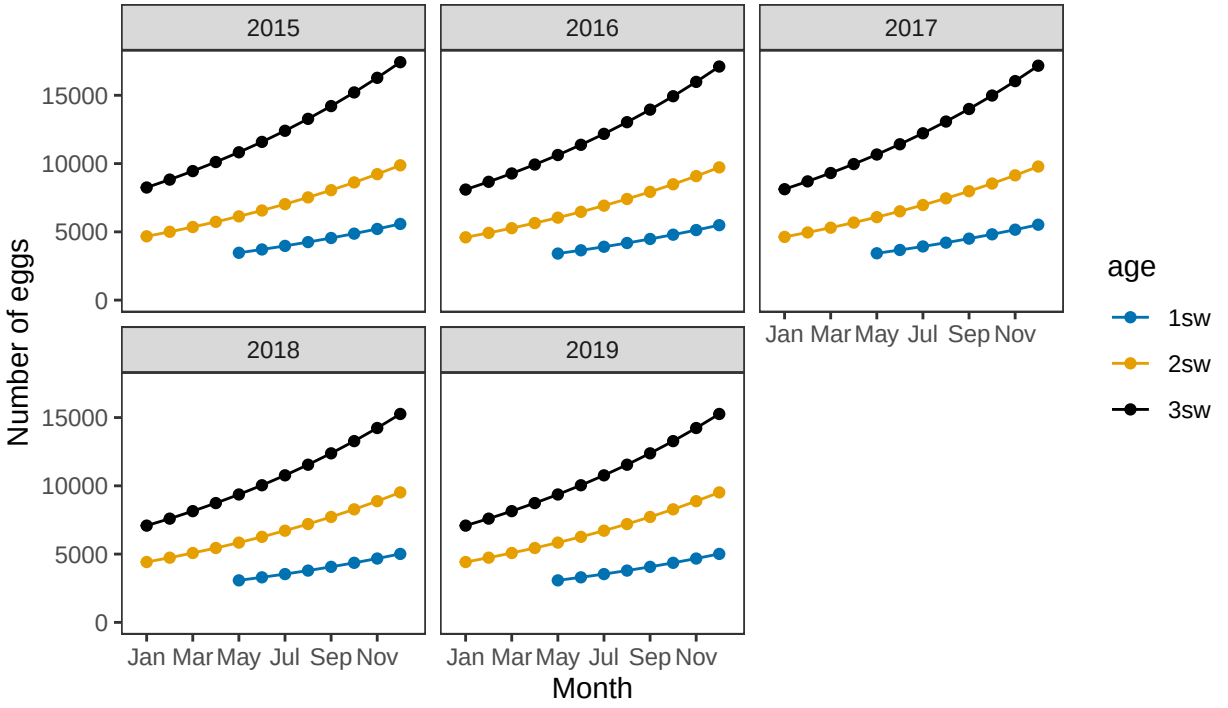
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

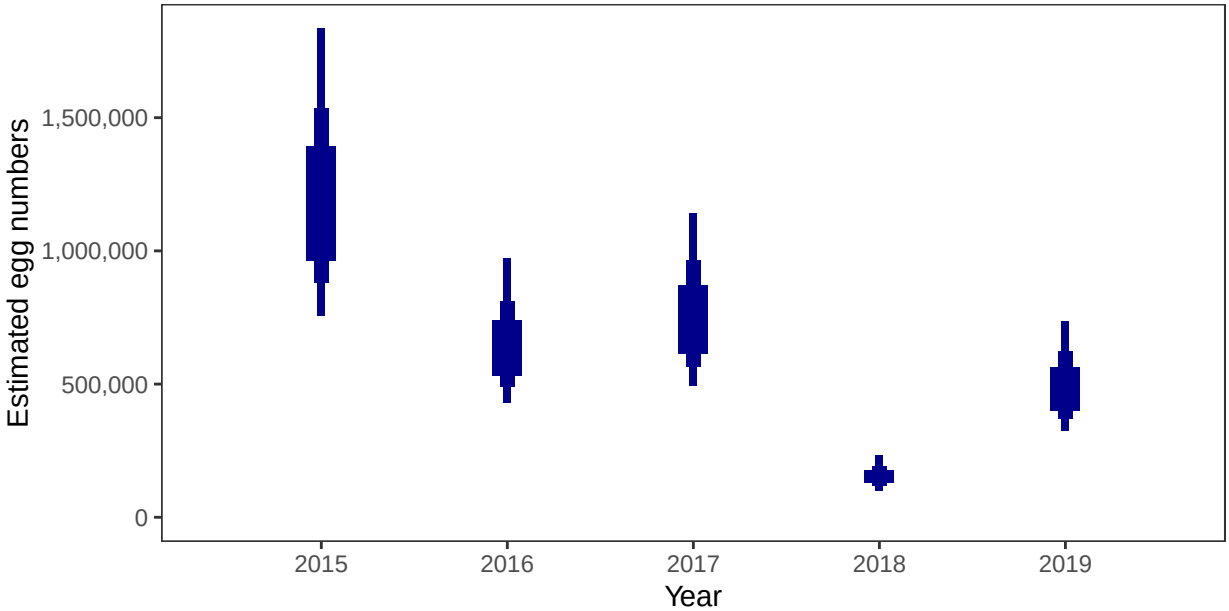


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



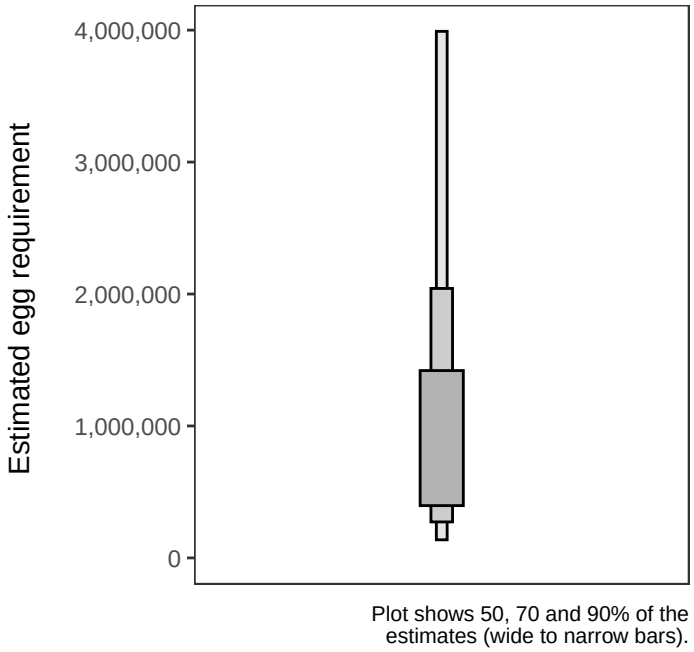
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

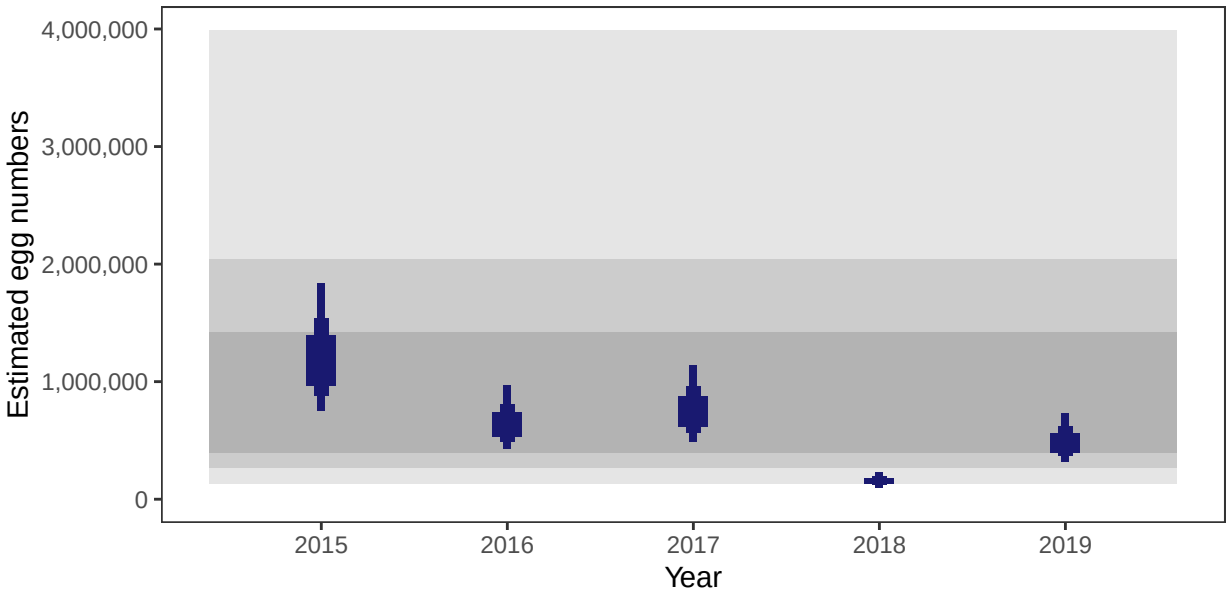
There is an estimated 344,412 square meters of known salmon habitat in the River Carron (Grangemouth) and a further 136,130 square meters where salmon may be present.

Egg requirement



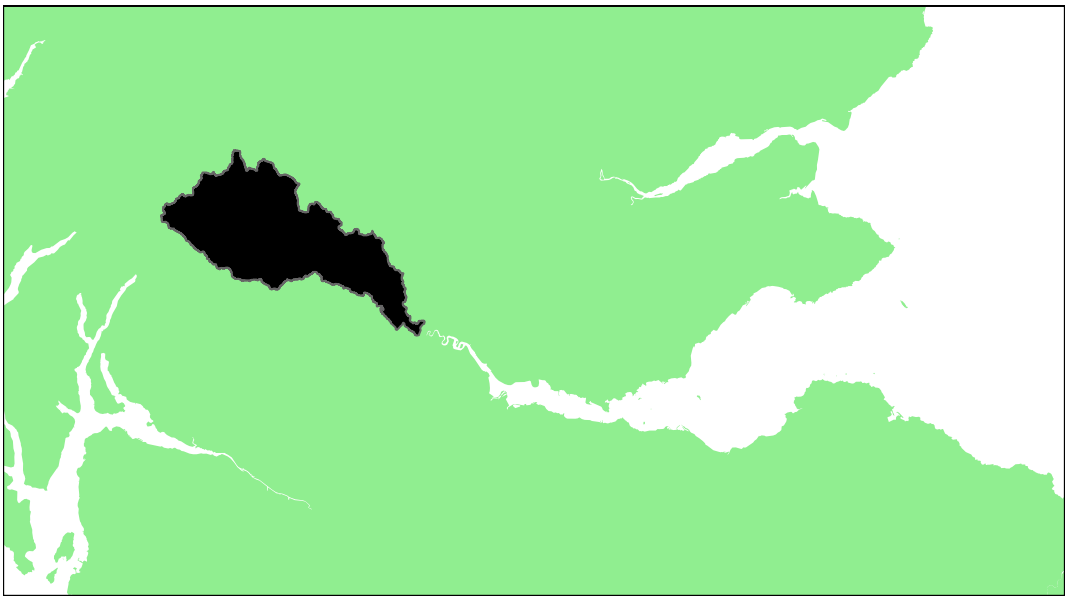
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	67.03
2016	42.80
2017	49.14
2018	6.44
2019	32.72



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Teith SAC: Grade 2



Summary Table

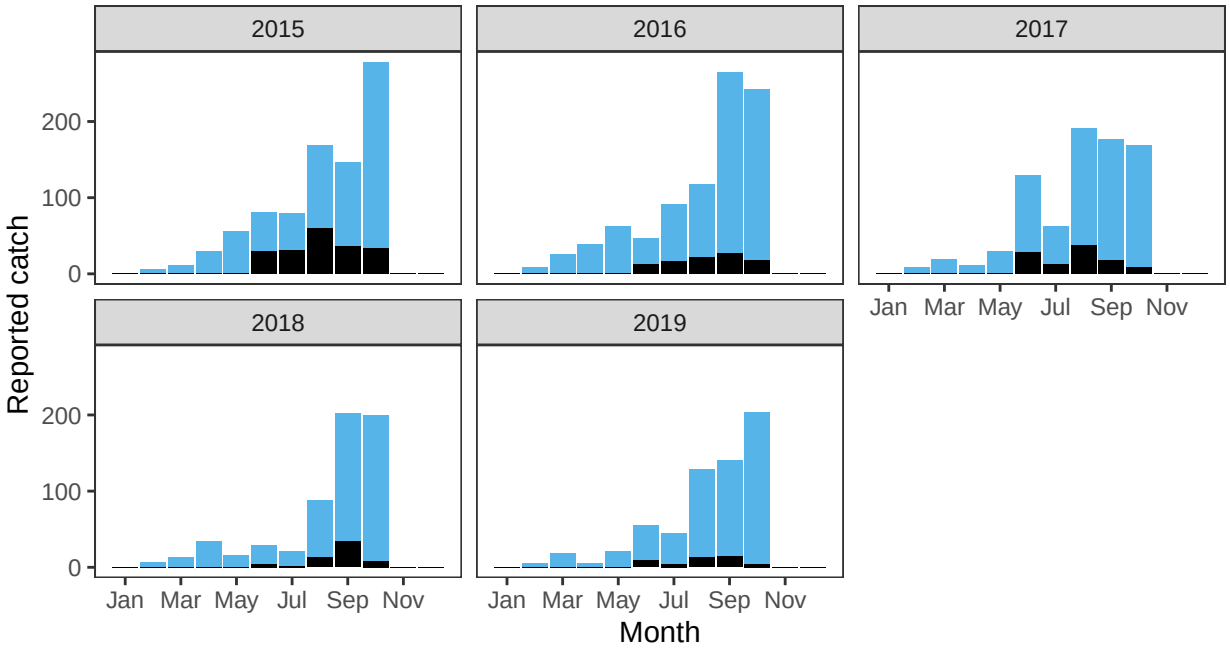
Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
1.99	2,049,300	4,069,038	91.41	92.42	91.08	79.77	80.15	86.97	2

[a] Figures presented are median values

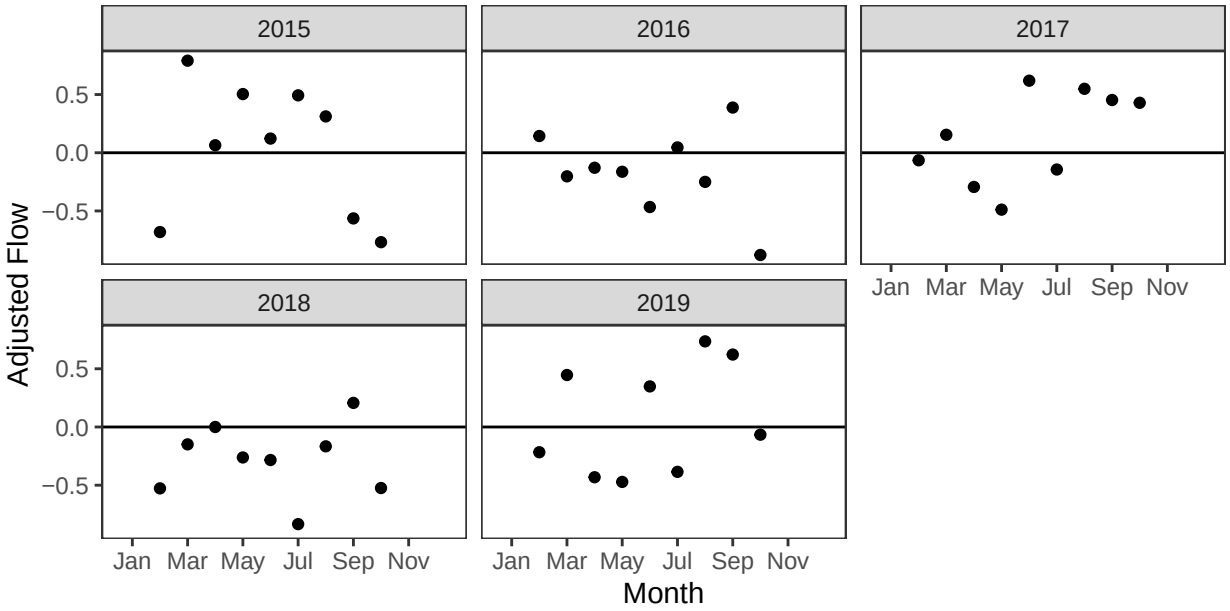
Grade 2 due to the presence of shared areas with River Forth

1. Converting Reported Catches to Numbers of Returning Salmon

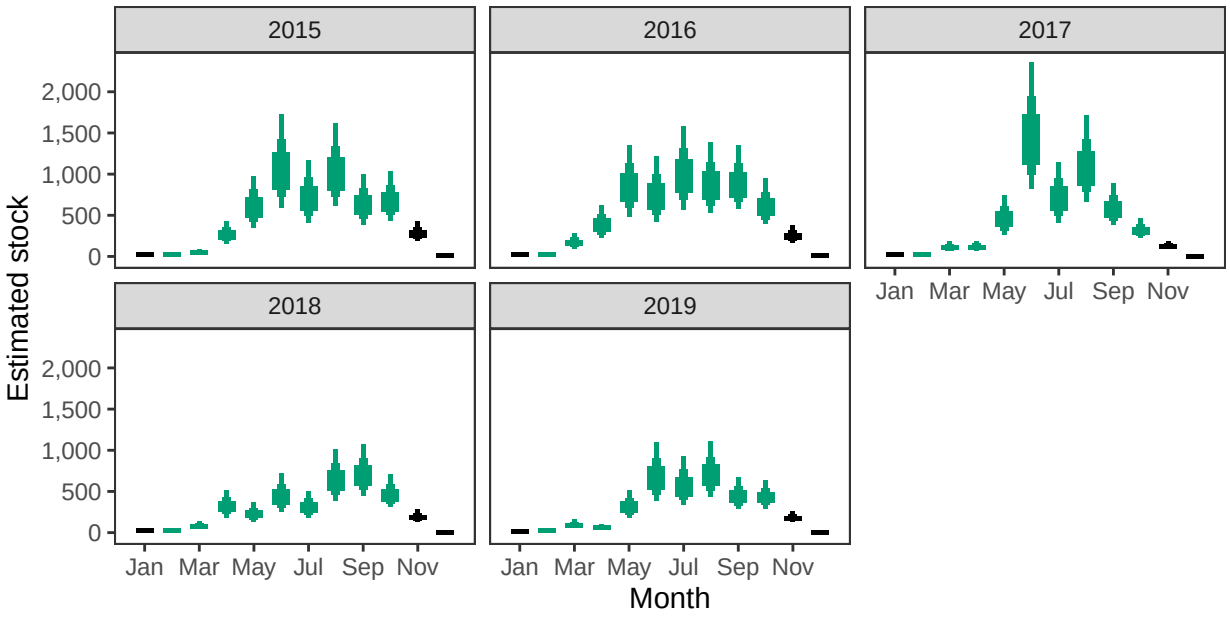
Reported Catches (black = retained, blue = released)



Monthly flow data

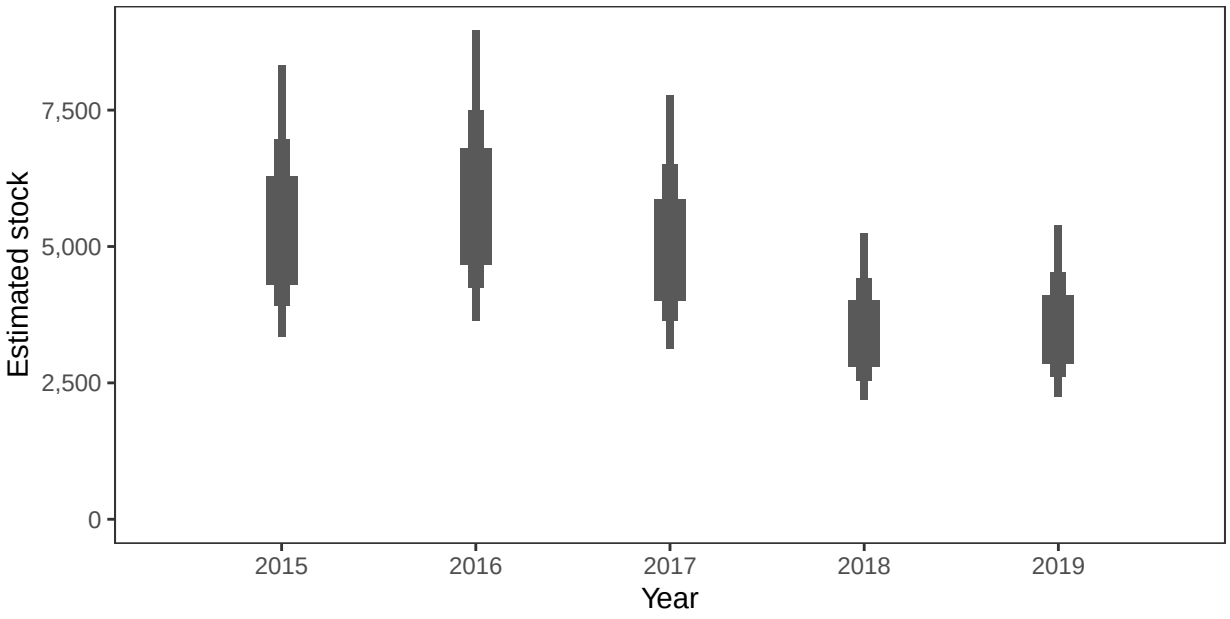


Monthly stock estimates (out of season in black)



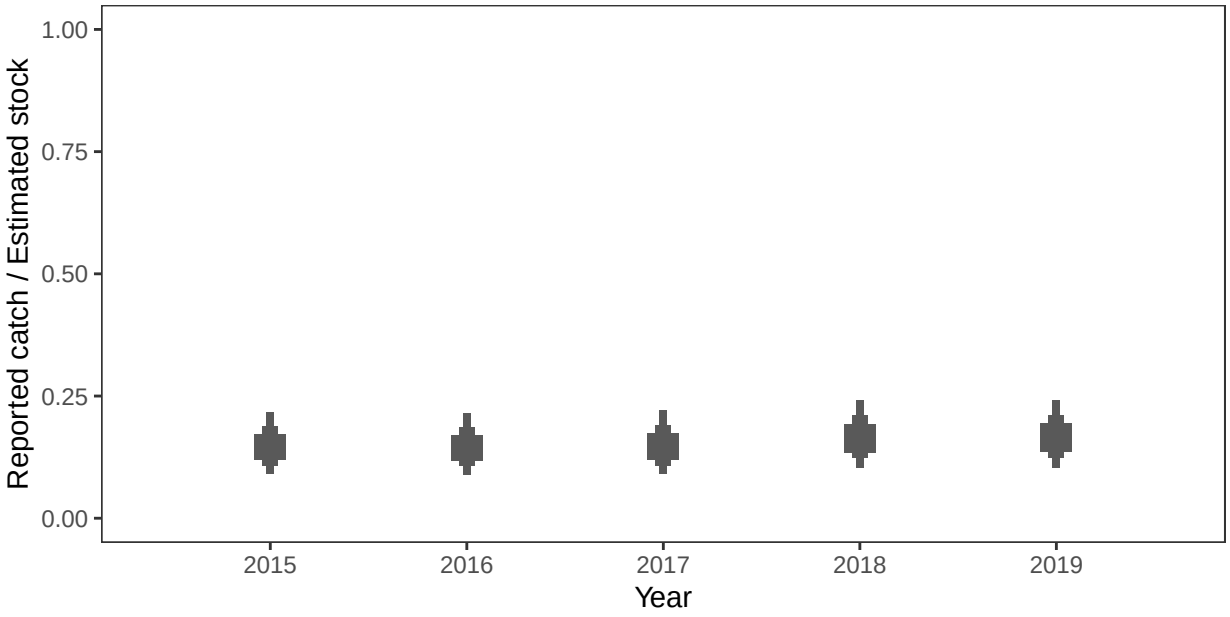
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

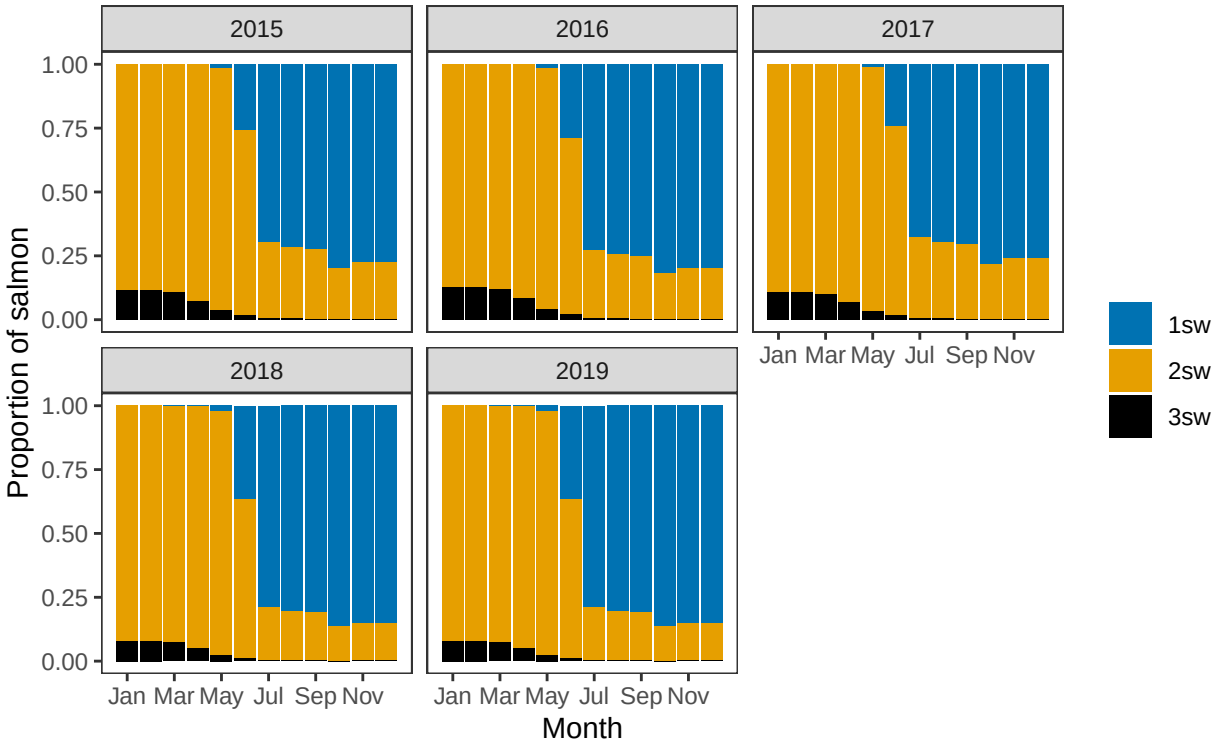
Annual catch as a proportion of stock



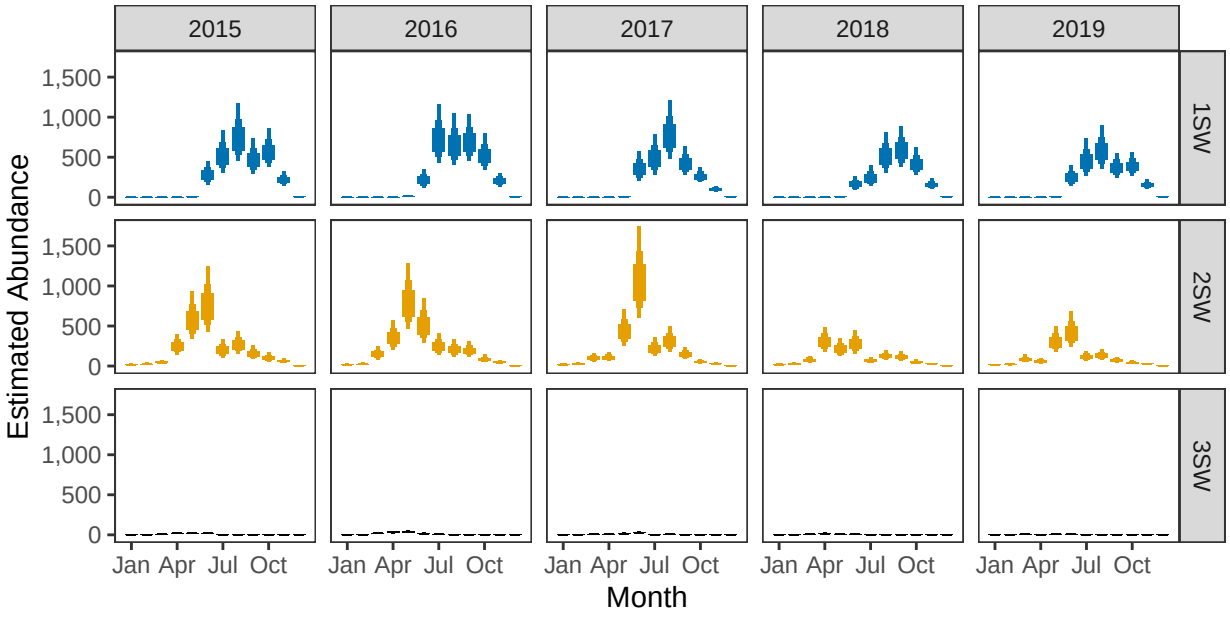
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish



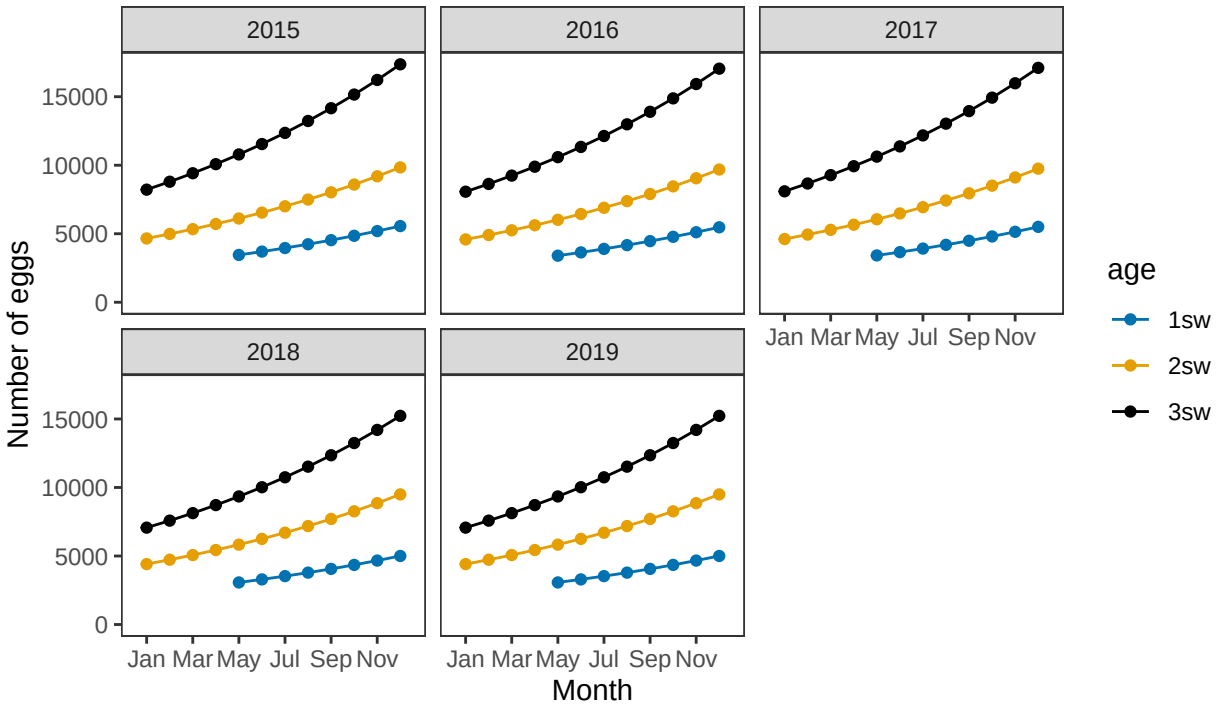
Monthly number of spawning females



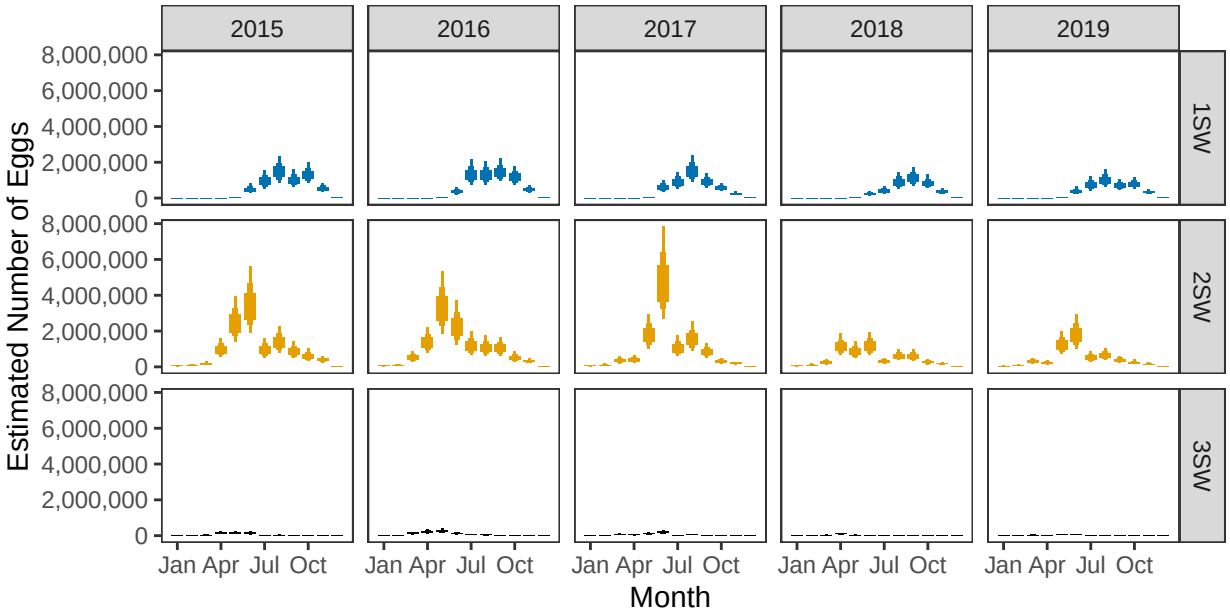
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

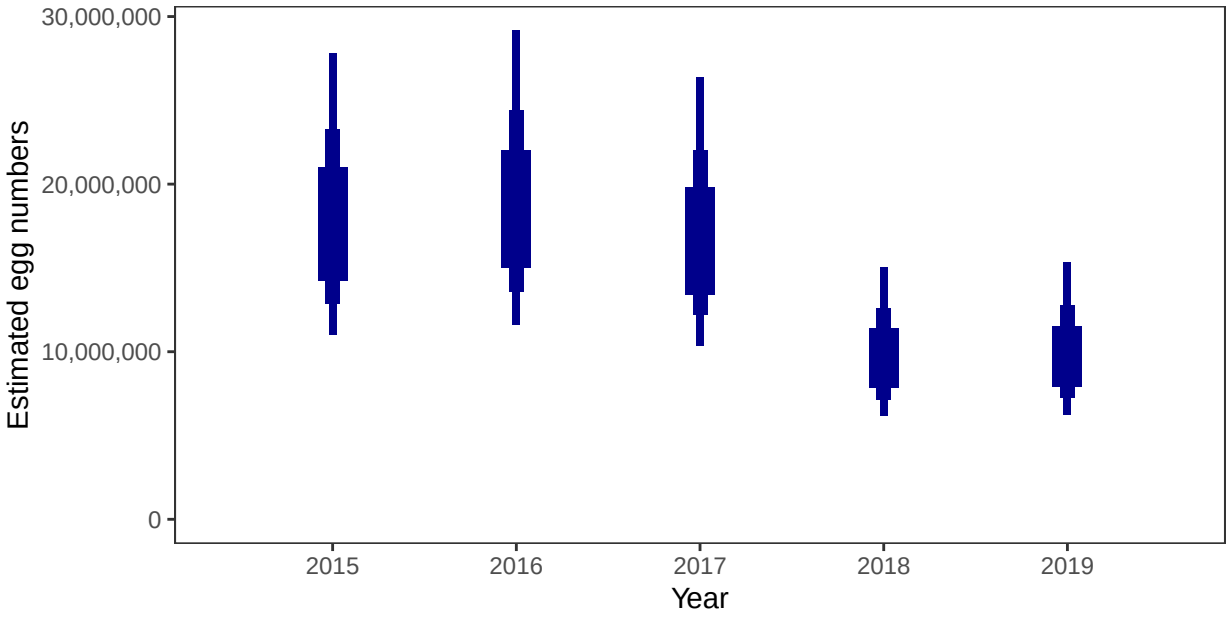


Monthly number of eggs



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Total annual egg numbers



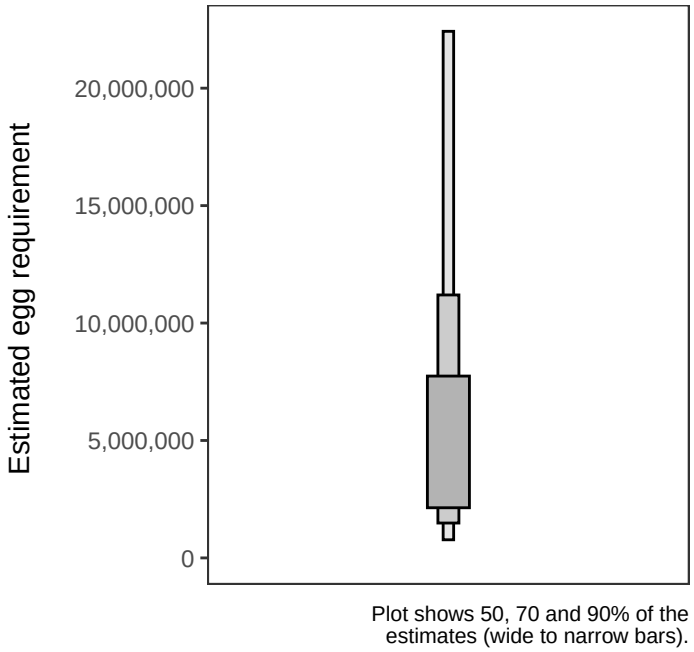
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

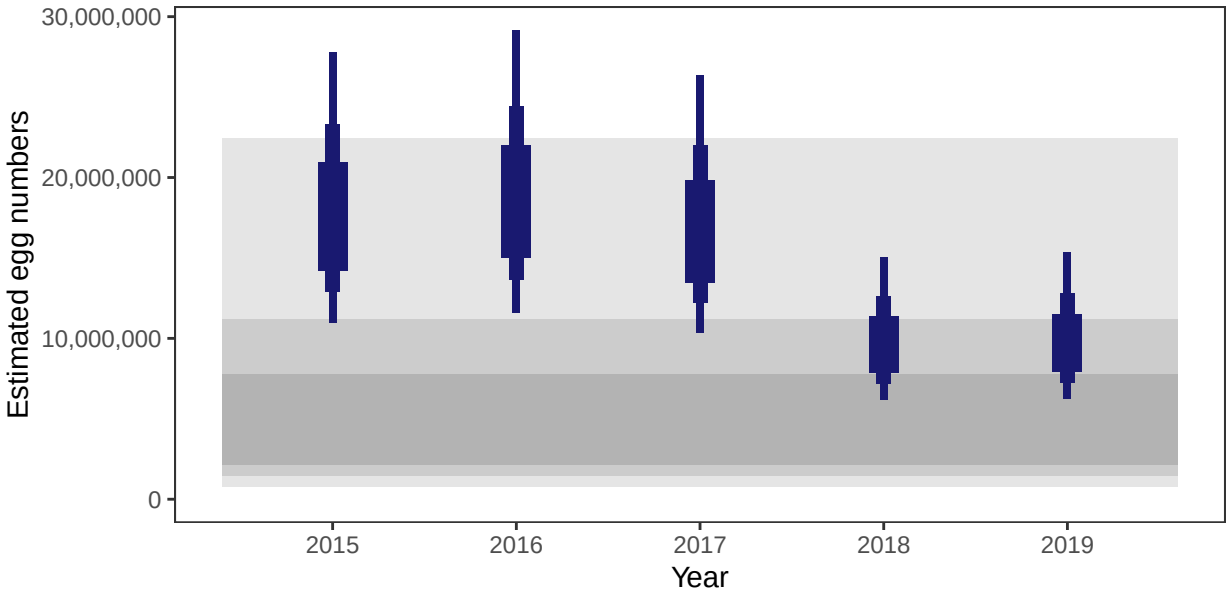
There is an estimated 2,111,034 square meters of known salmon habitat in the River Teith SAC and a further 217,737 square meters where salmon may be present.

Egg requirement



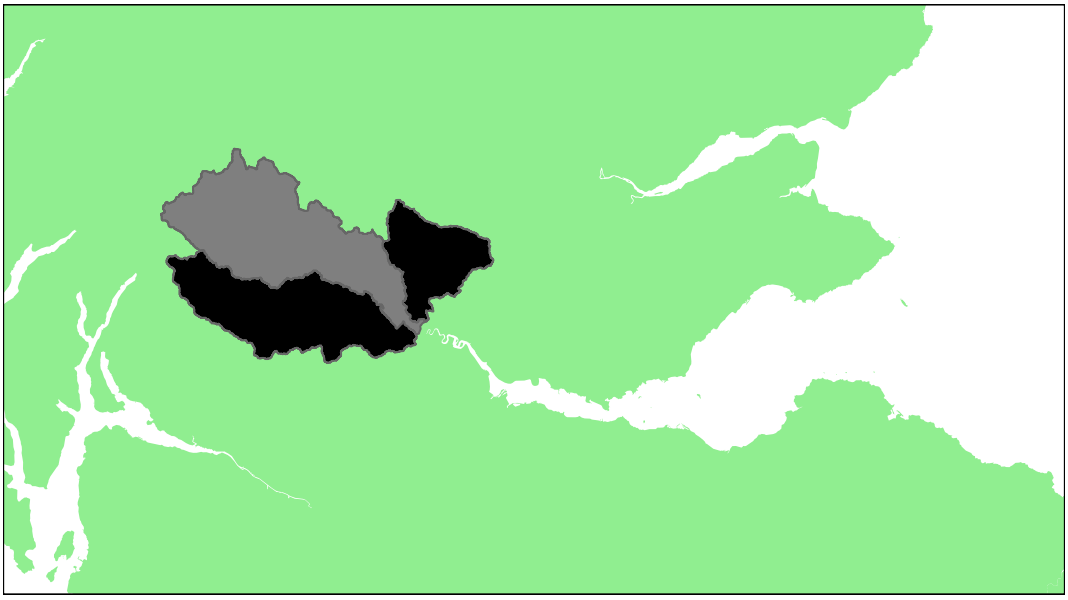
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	91.41
2016	92.42
2017	91.08
2018	79.77
2019	80.15



Grade 2 due to the presence of shared areas with River Forth

River Forth [non-SAC]: Grade 2



NOTE: assessment carried out using information from whole catchment but grading applies only to non-SAC area (shaded black). SAC (shaded grey) graded separately

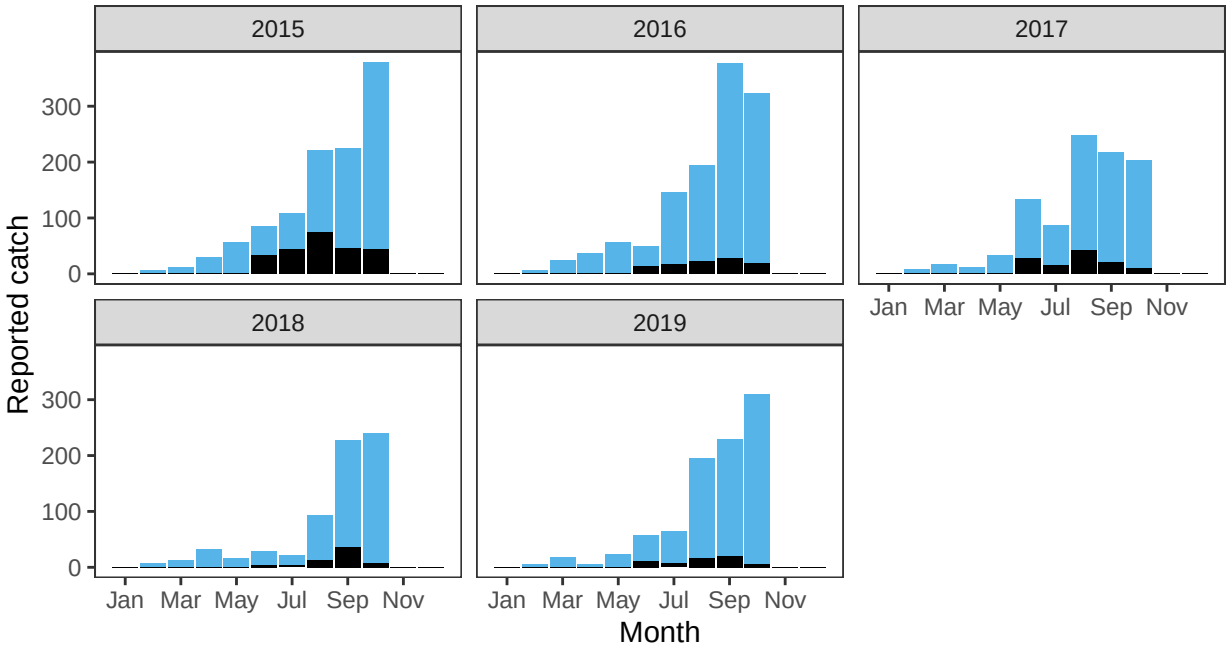
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
1.93	4,720,900	9,118,192	80.74	83.86	77.98	56.73	64.22	72.71	2

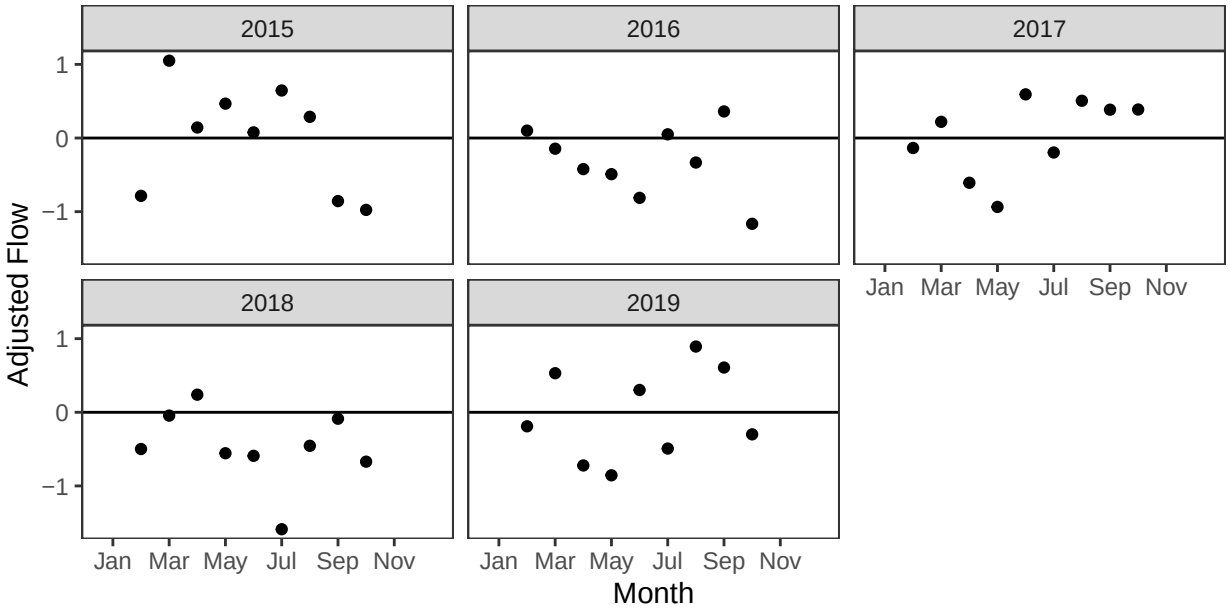
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

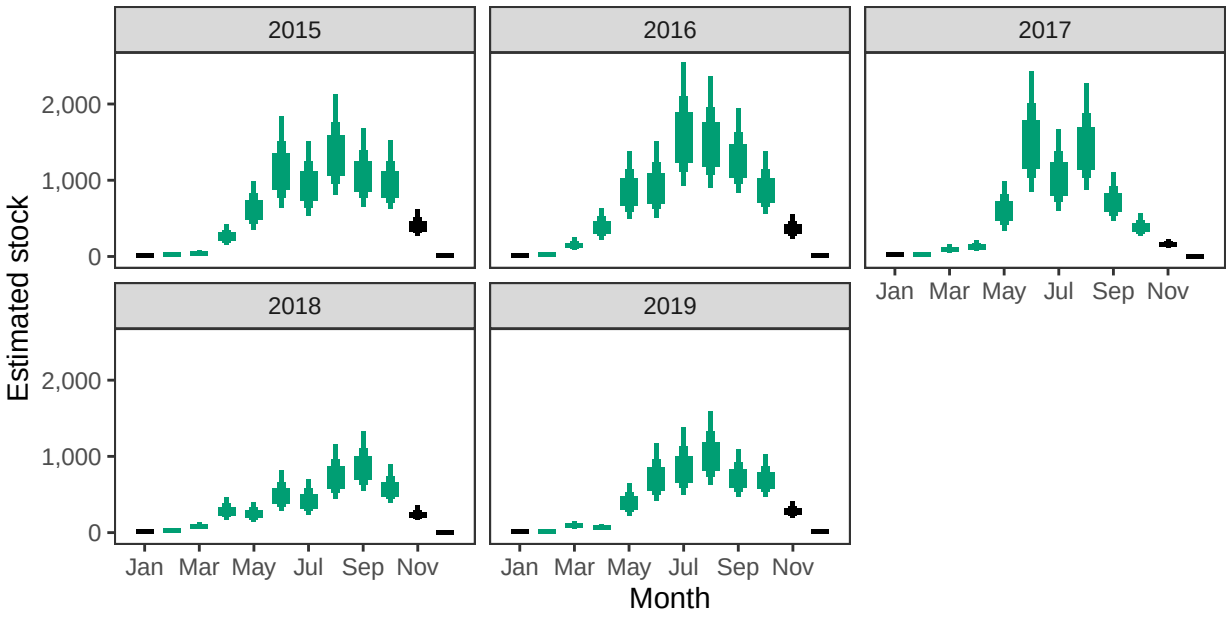
Reported Catches (black = retained, blue = released)



Monthly flow data

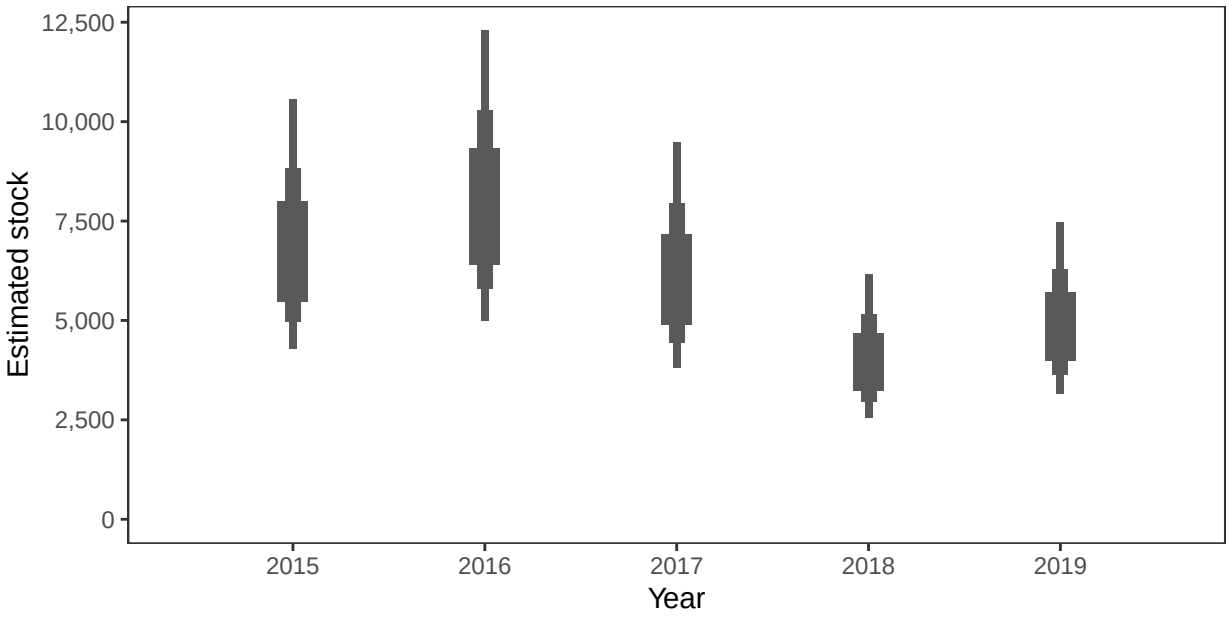


Monthly stock estimates (out of season in black)



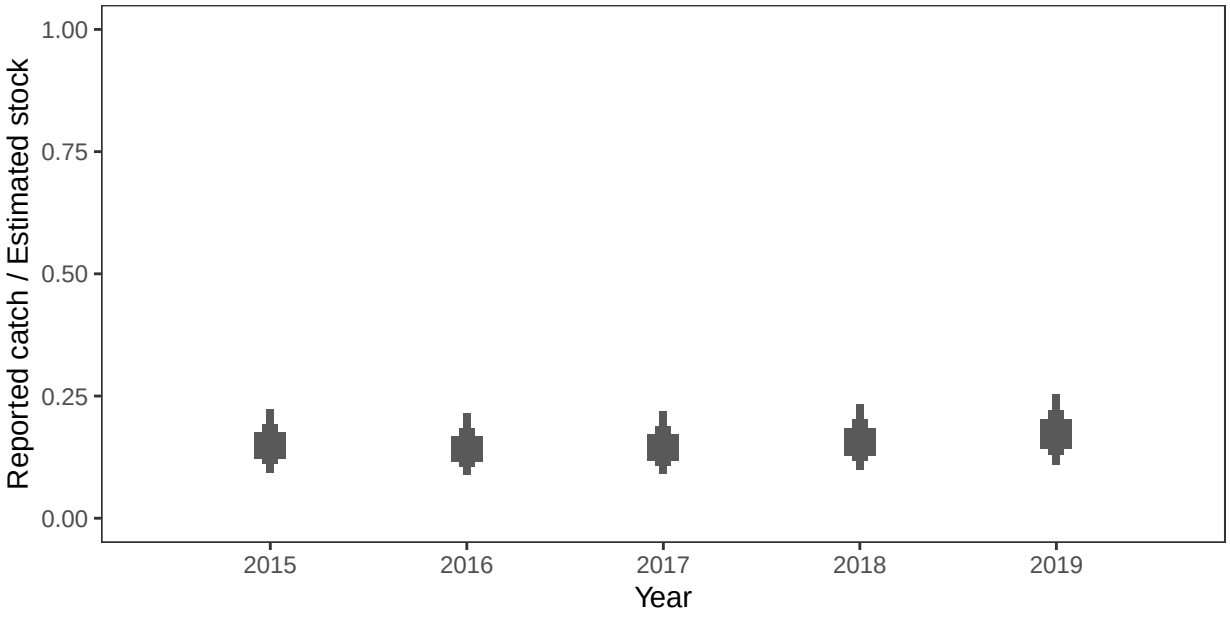
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

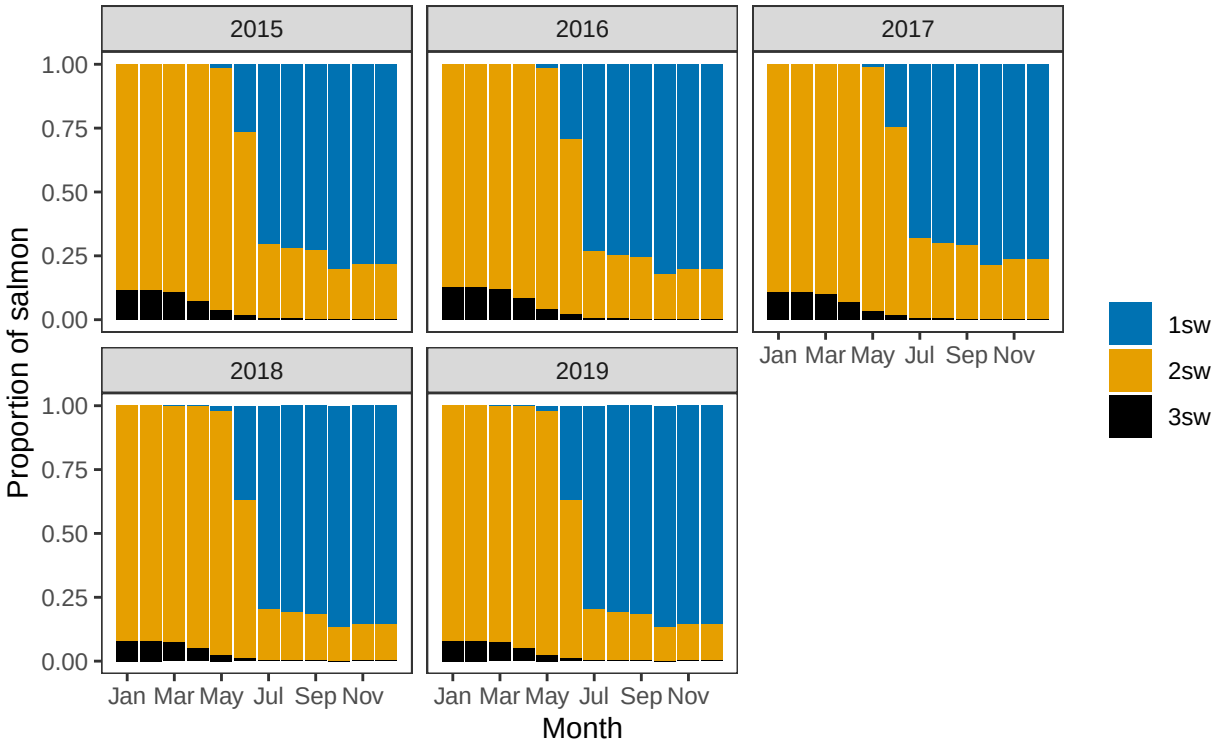
Annual catch as a proportion of stock



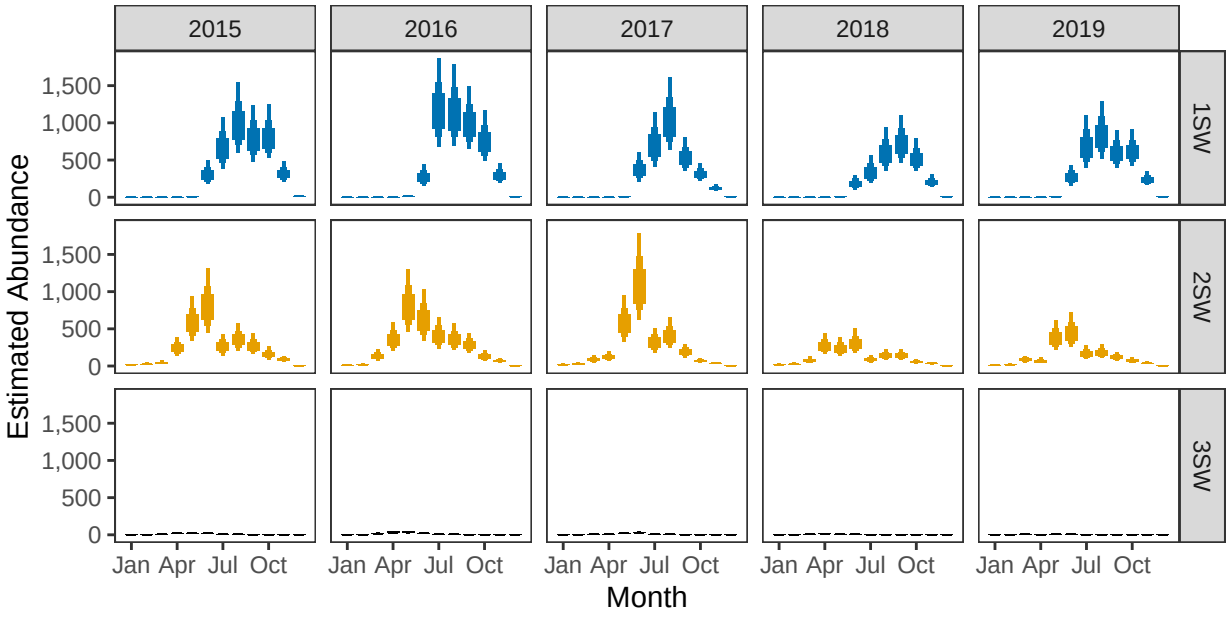
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish



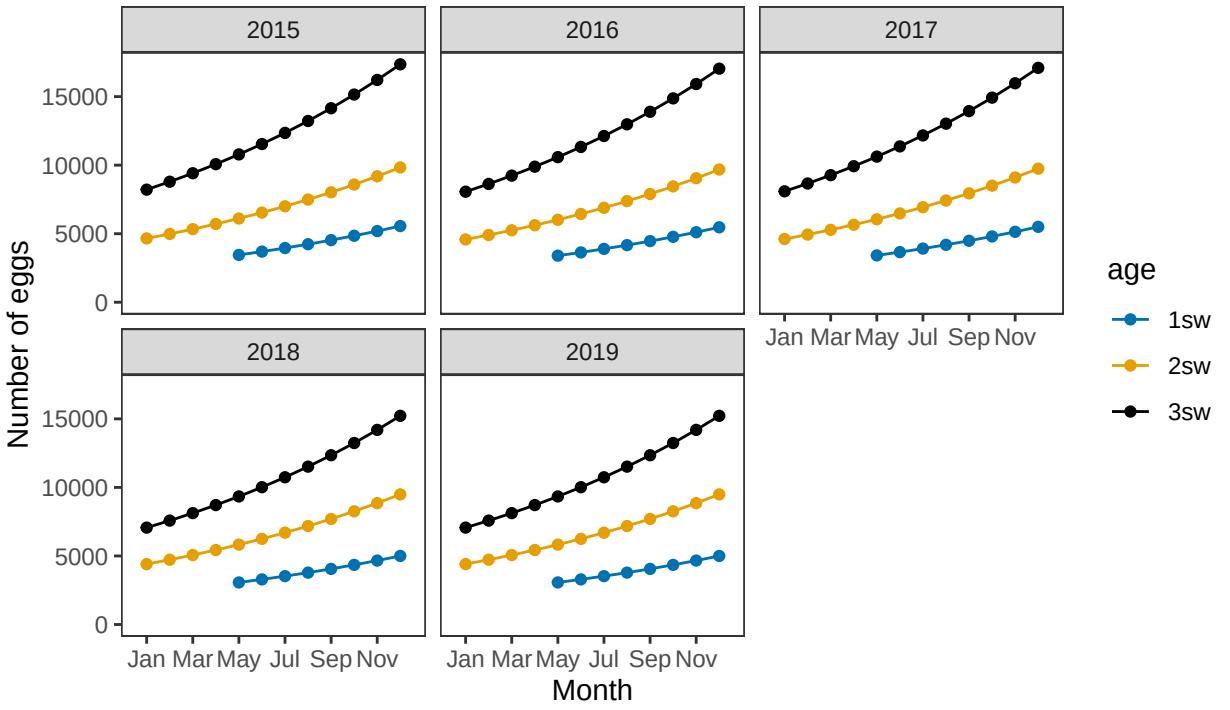
Monthly number of spawning females



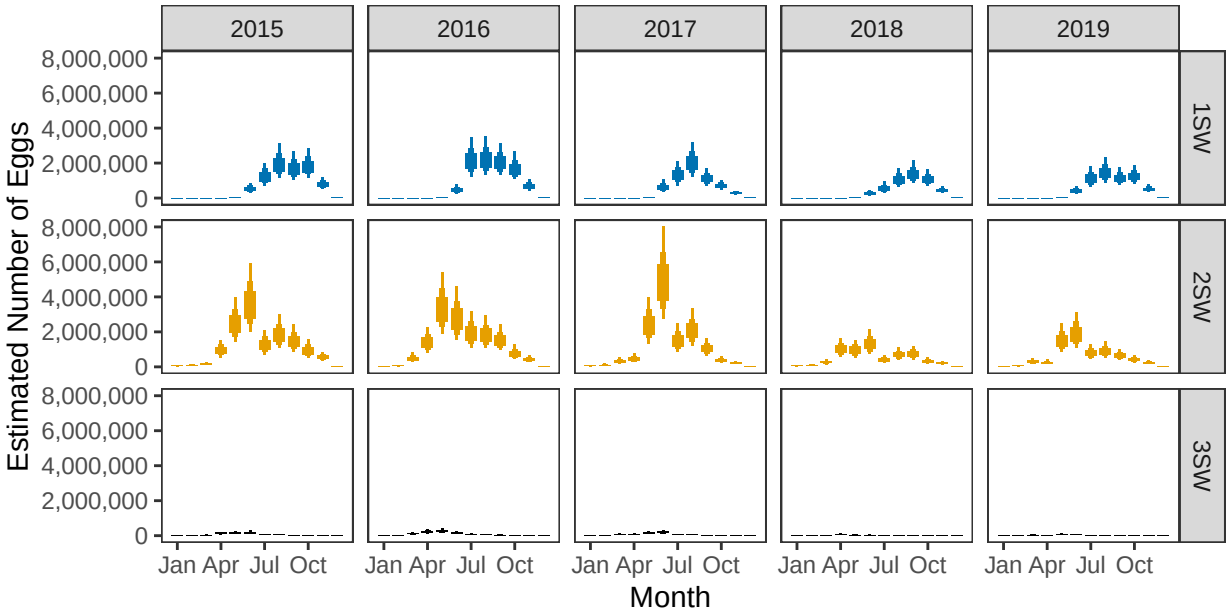
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

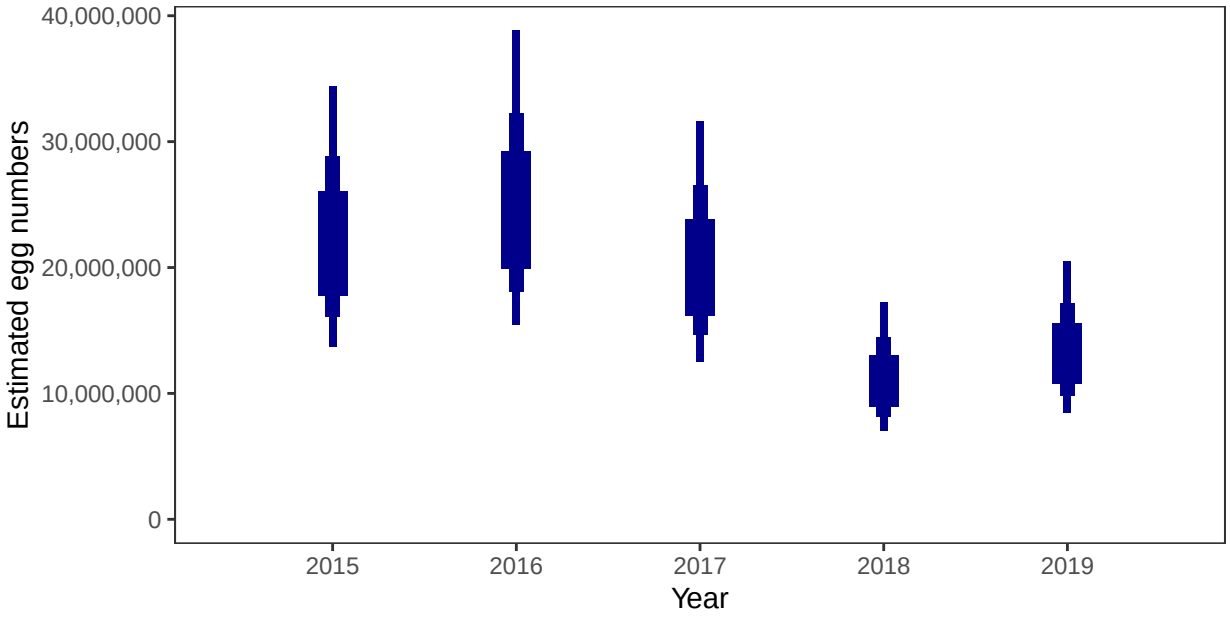


Monthly number of eggs



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Total annual egg numbers



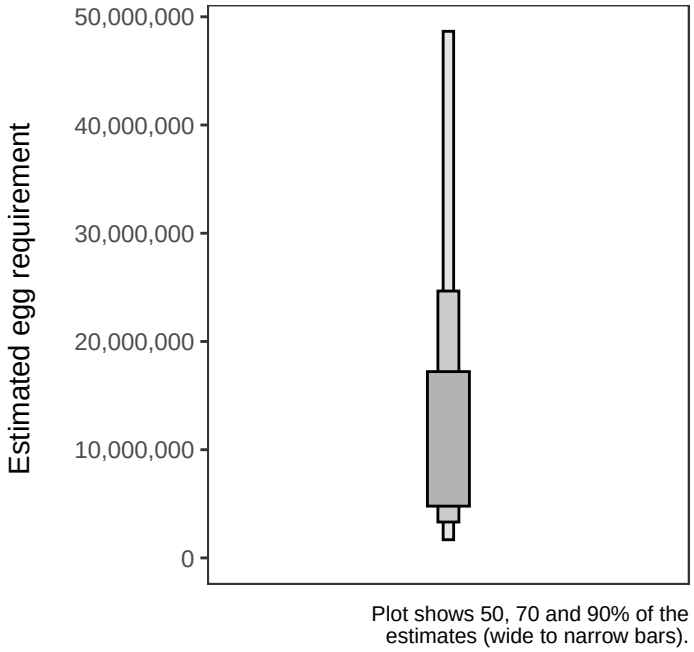
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

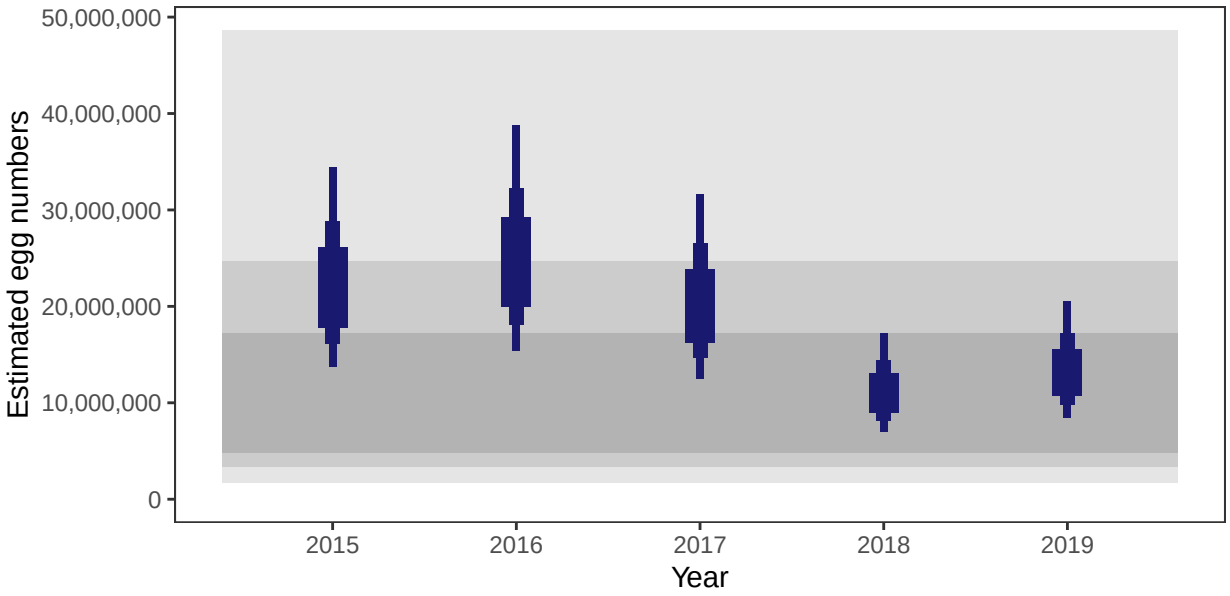
There is an estimated 4,533,173 square meters of known salmon habitat in the River Forth and a further 831,499 square meters where salmon may be present.

Egg requirement



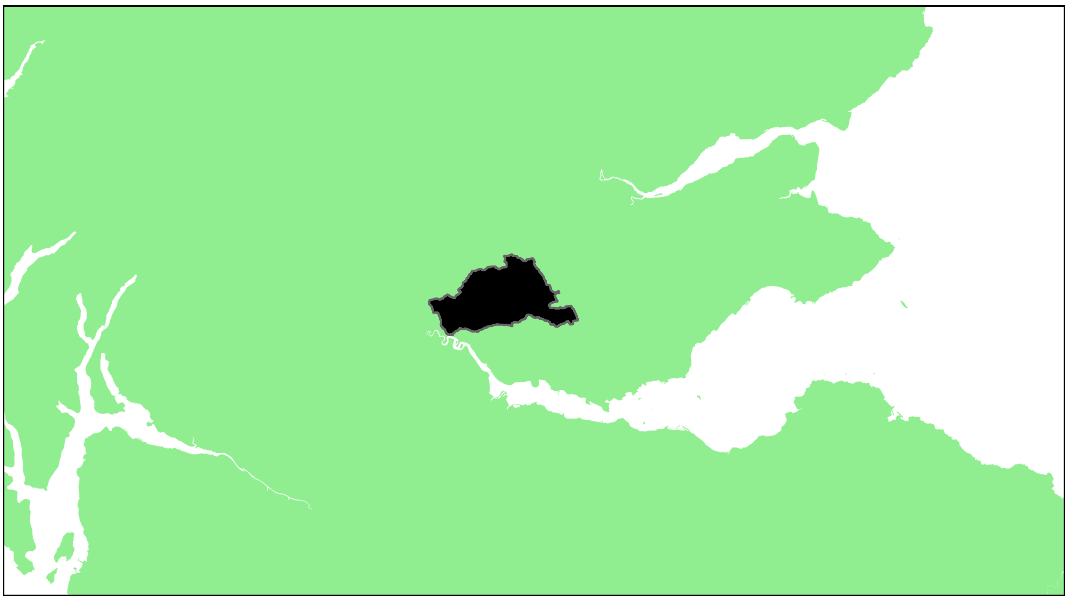
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	80.74
2016	83.86
2017	77.98
2018	56.73
2019	64.22



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Devon: Grade 3



Detailed information on catches is not publicly available for this assessment area

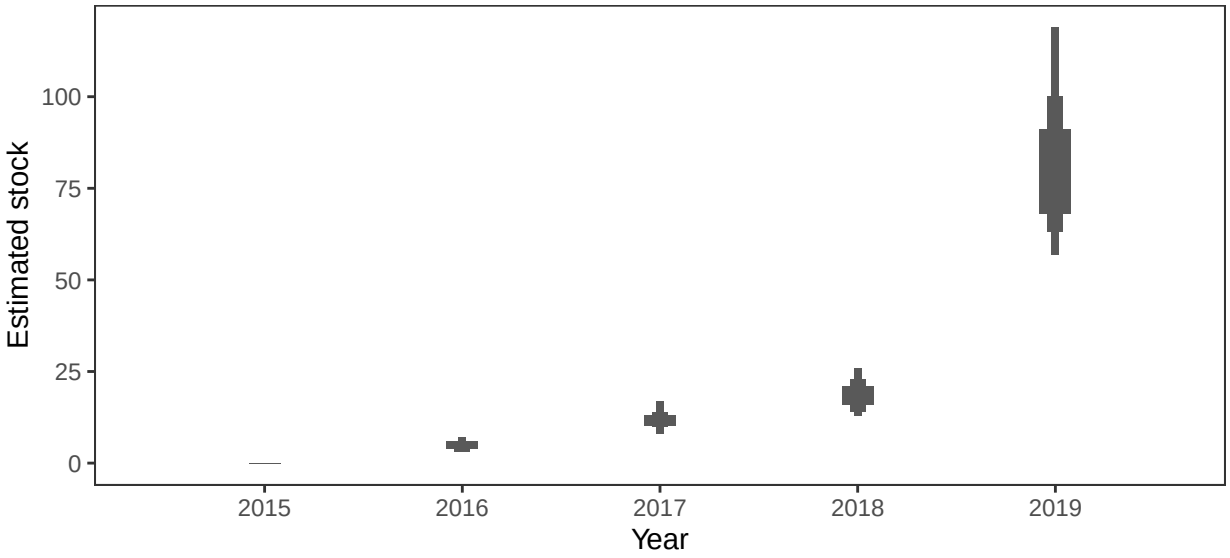
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
1.92	409,300	783,962	0	0.12	0.48	0.78	9.37	2.15	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

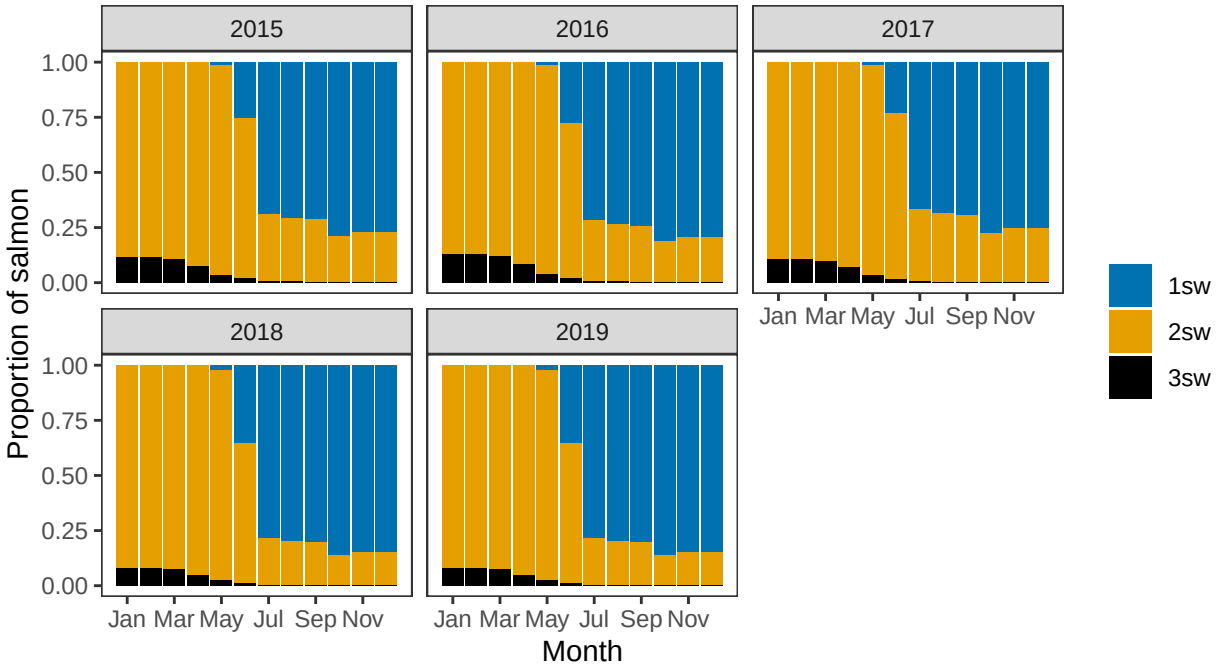
Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

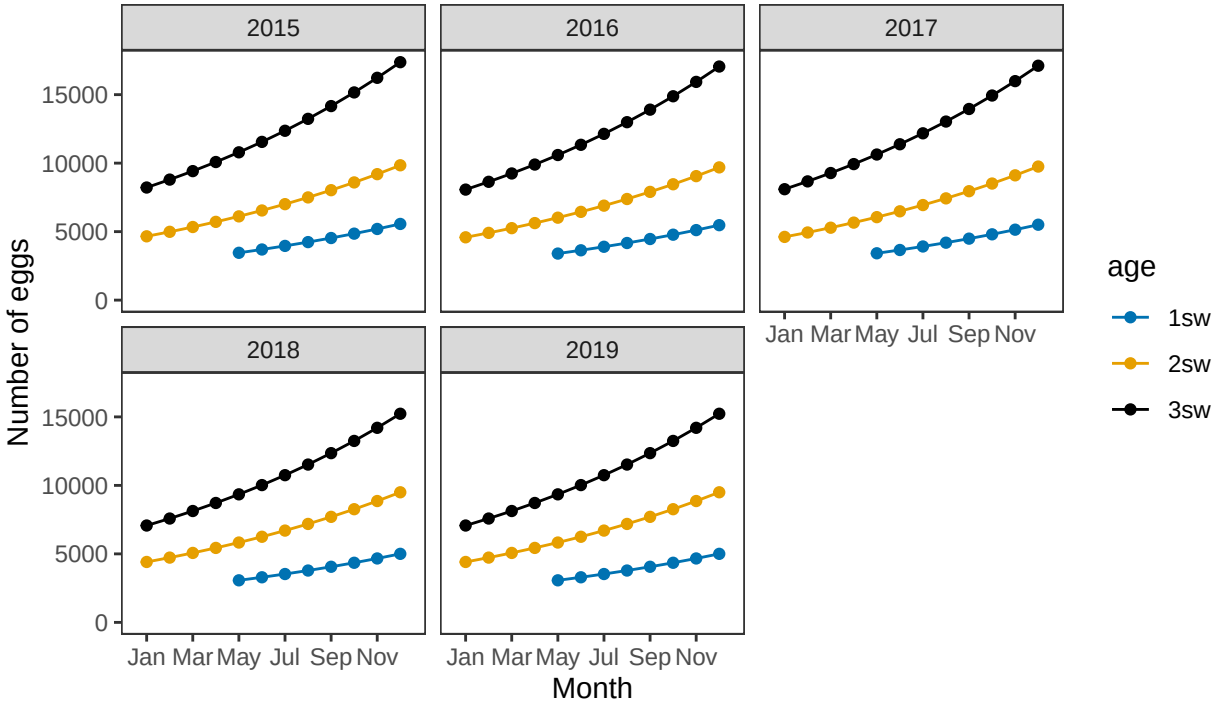
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

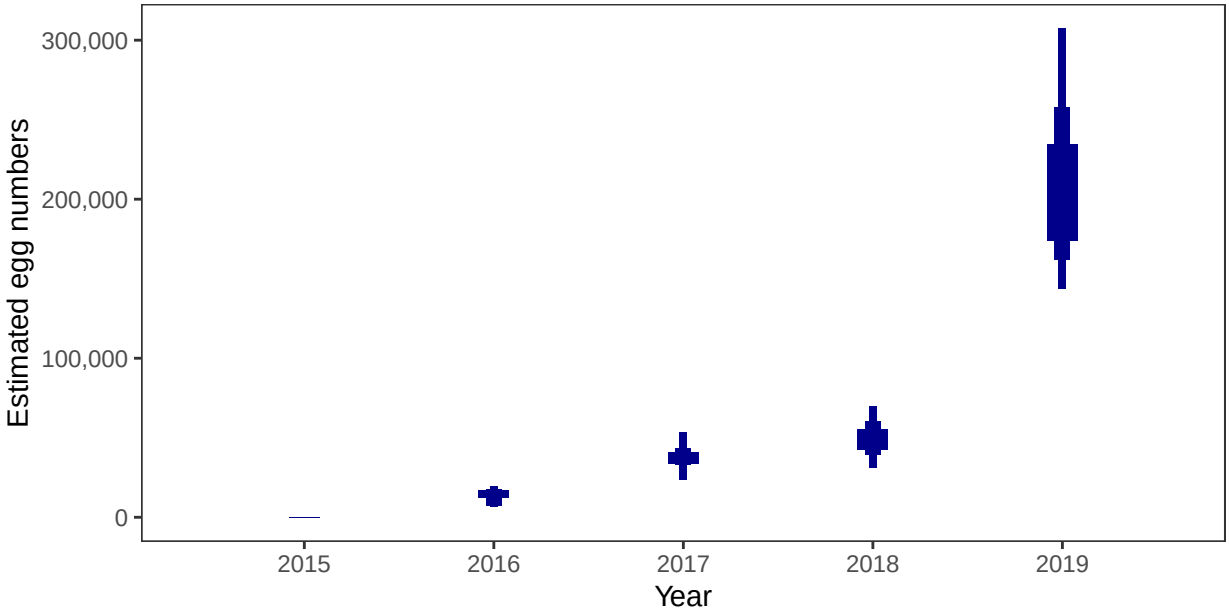


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



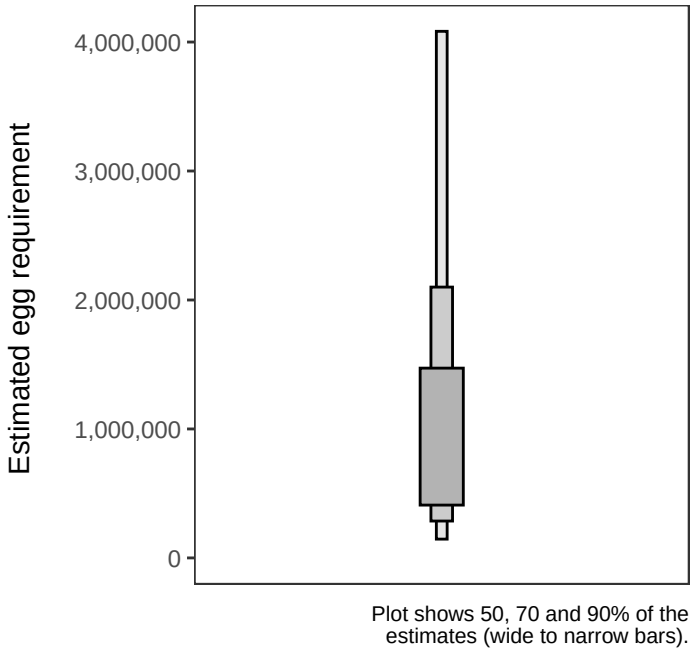
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

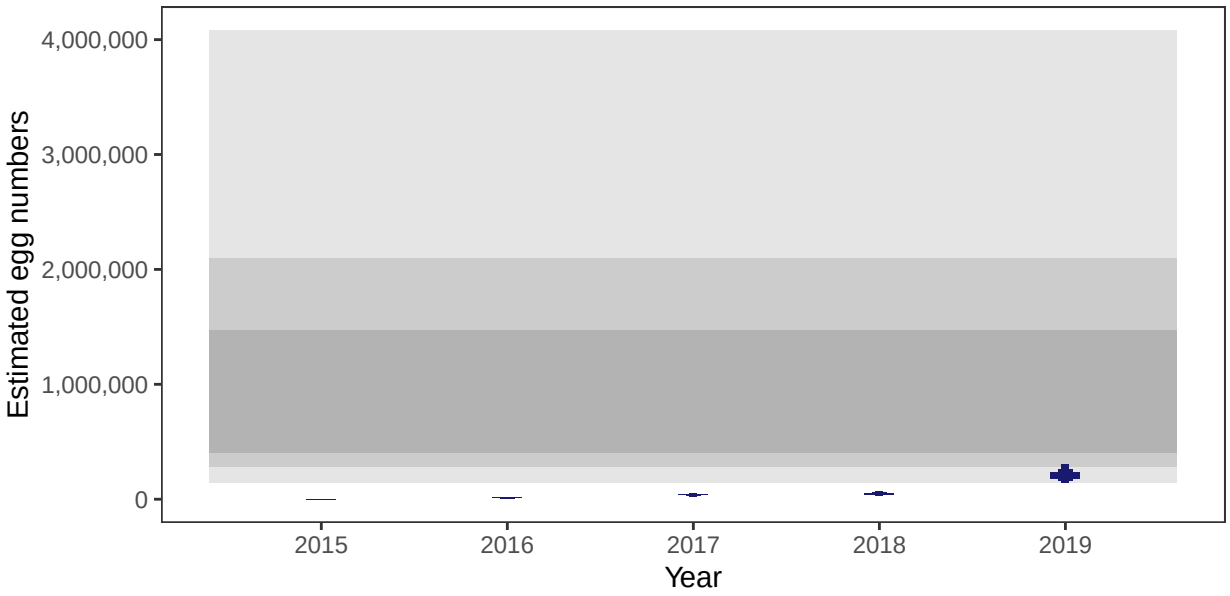
There is an estimated 390,840 square meters of known salmon habitat in the River Devon and a further 74,264 square meters where salmon may be present.

Egg requirement



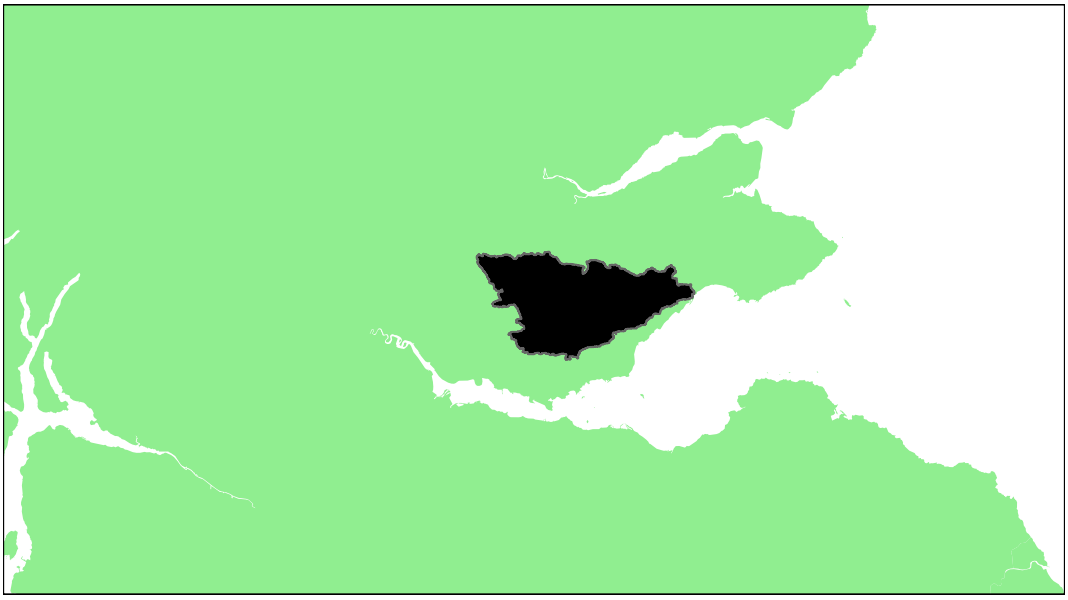
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	-
2016	0.12
2017	0.48
2018	0.78
2019	9.37



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Leven (Fife): Grade 3



Detailed information on catches is not publicly available for this assessment area

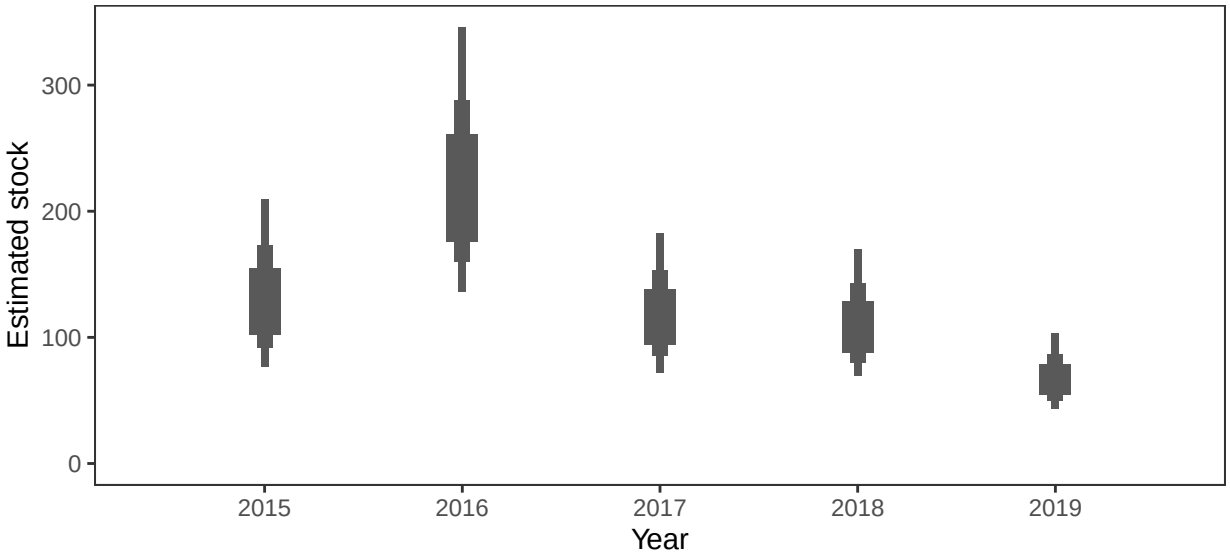
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
1.63	374,900	610,208	36.34	55.27	35.07	25.65	14.69	33.4	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

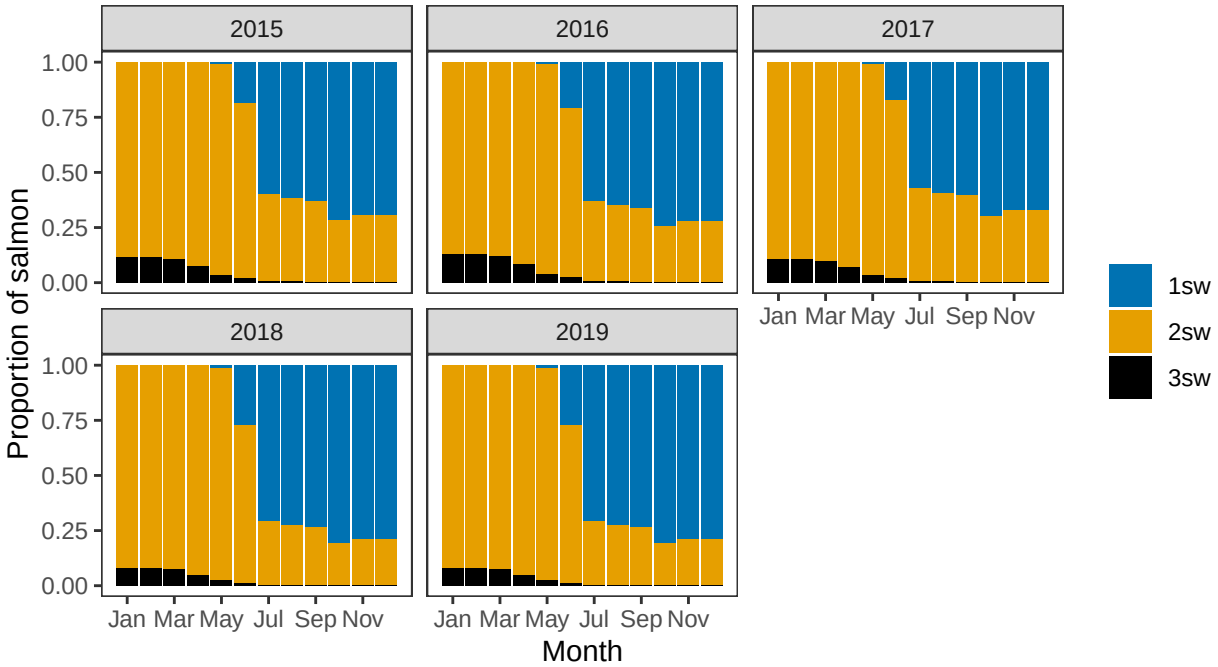
Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

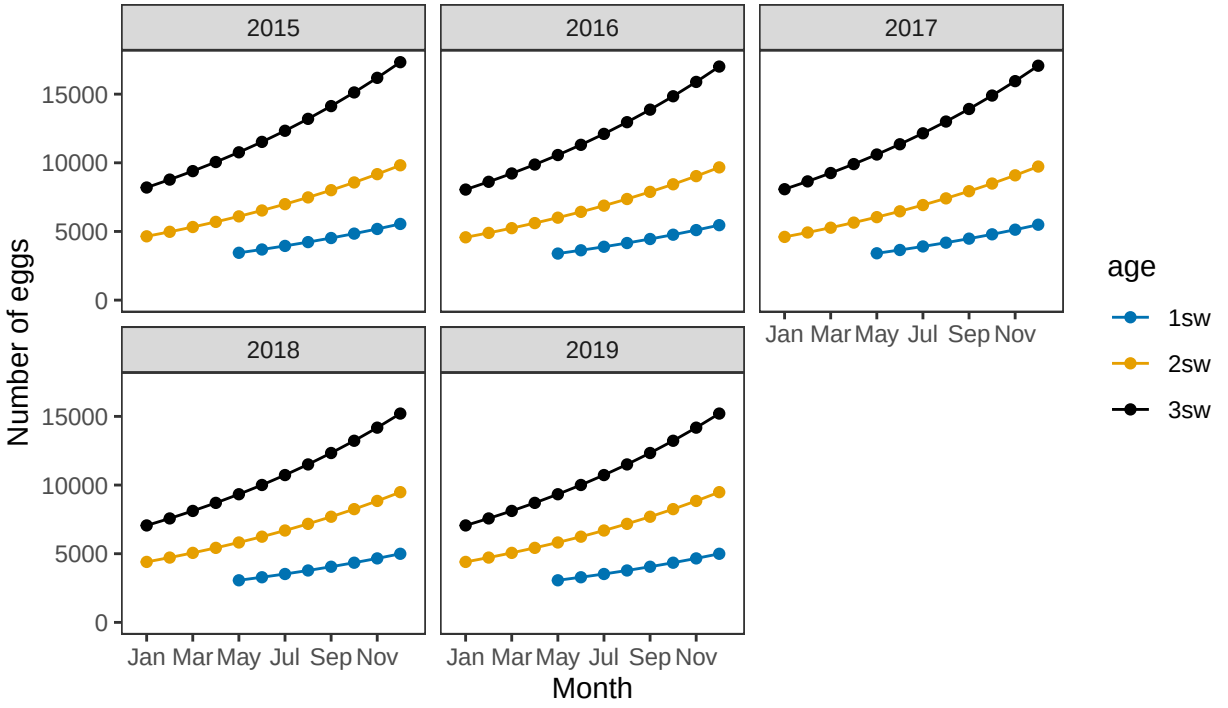
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

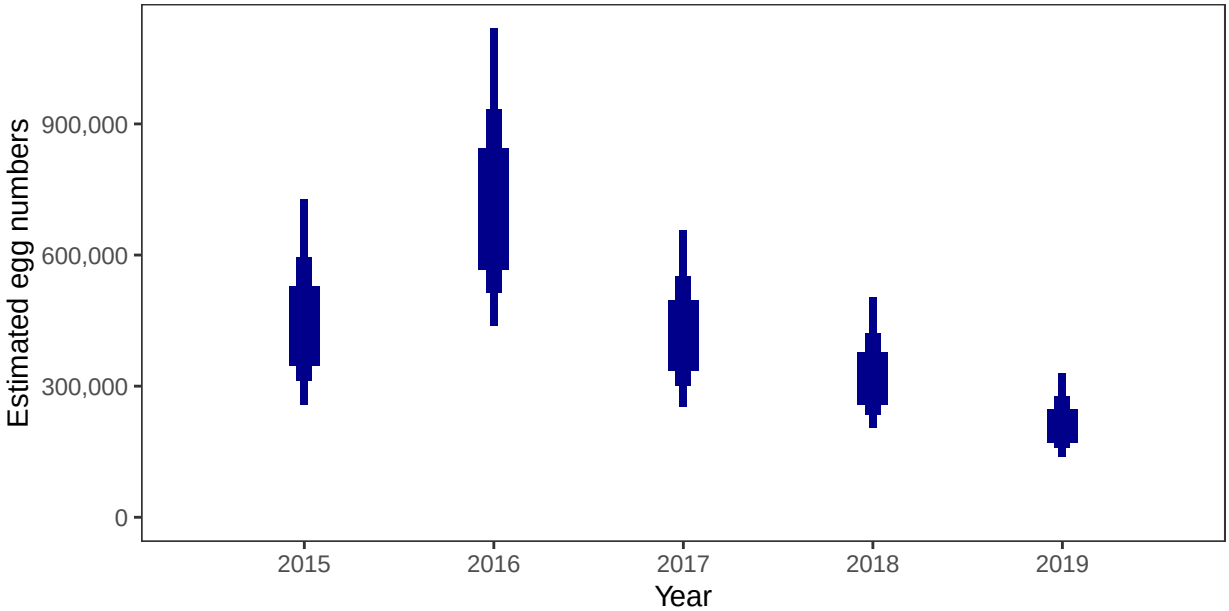


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



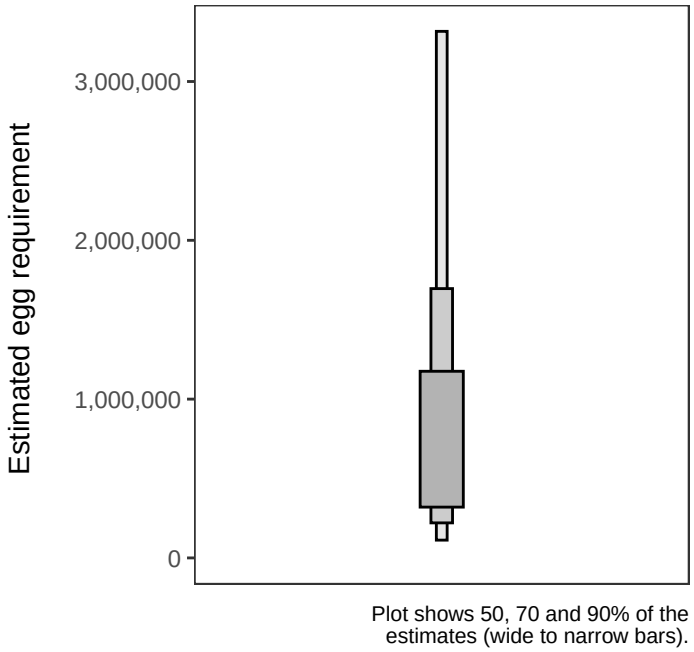
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

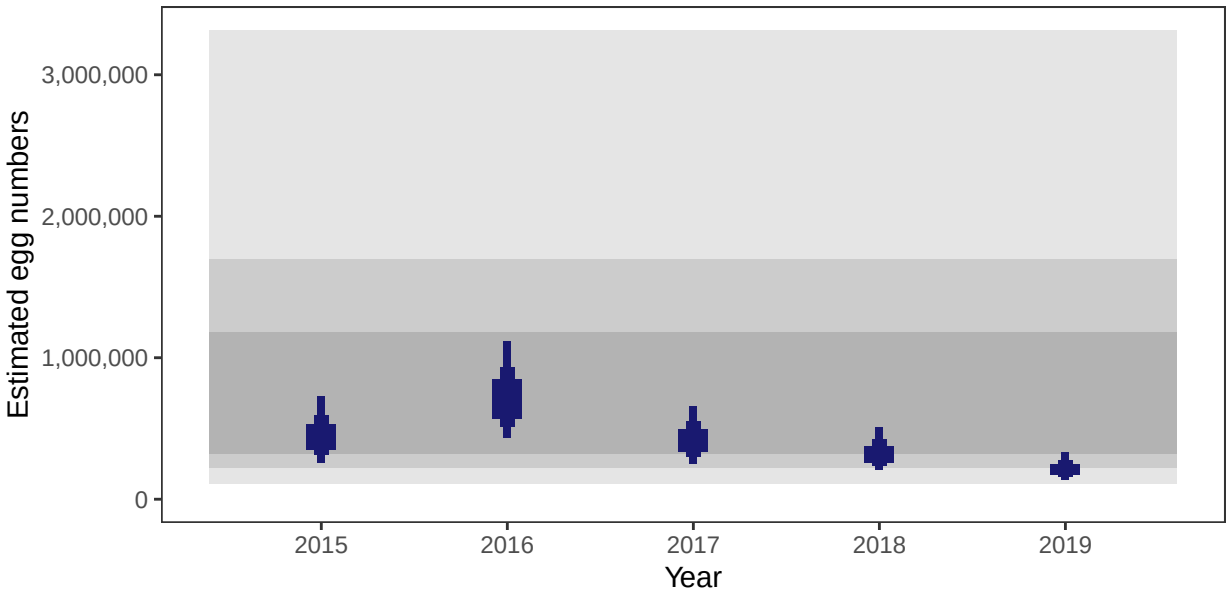
There is an estimated 248,170 square meters of known salmon habitat in the River Leven (Fife) and a further 177,869 square meters where salmon may be present.

Egg requirement



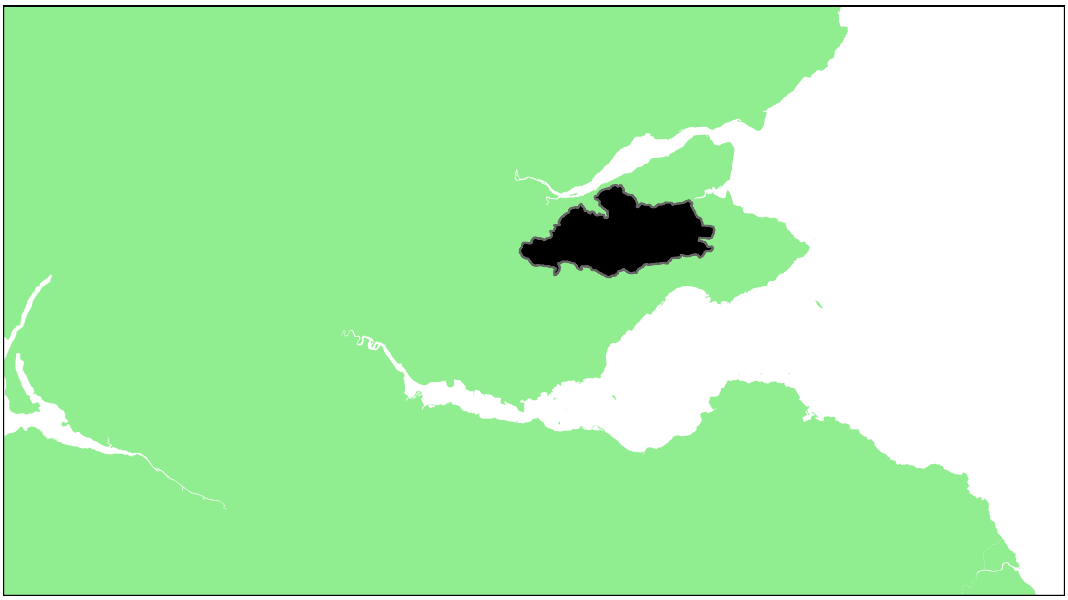
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	36.34
2016	55.27
2017	35.07
2018	25.65
2019	14.69



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Eden: Grade 3



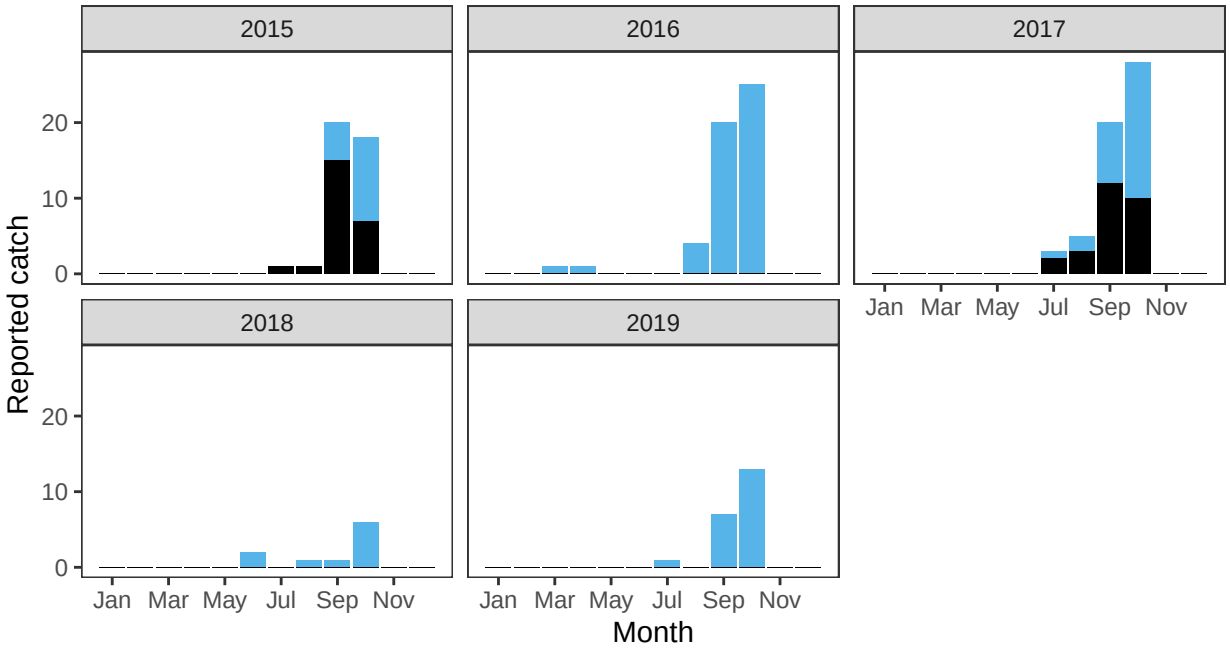
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
2.61	308,500	806,434	26.88	40.9	40.76	8.12	6.84	24.7	3

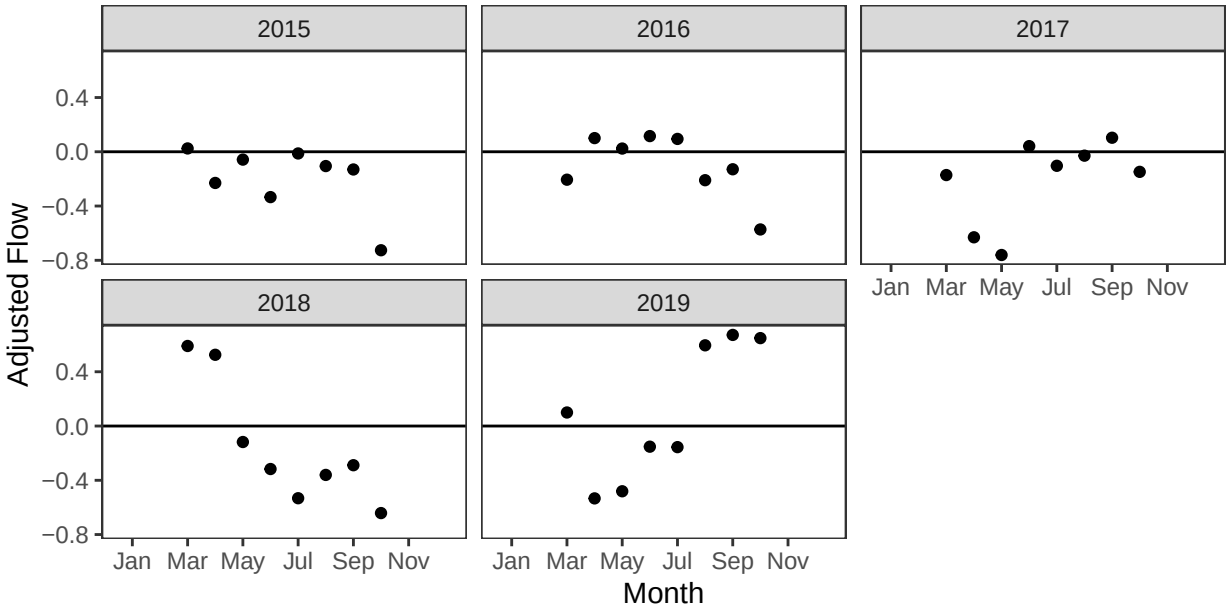
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

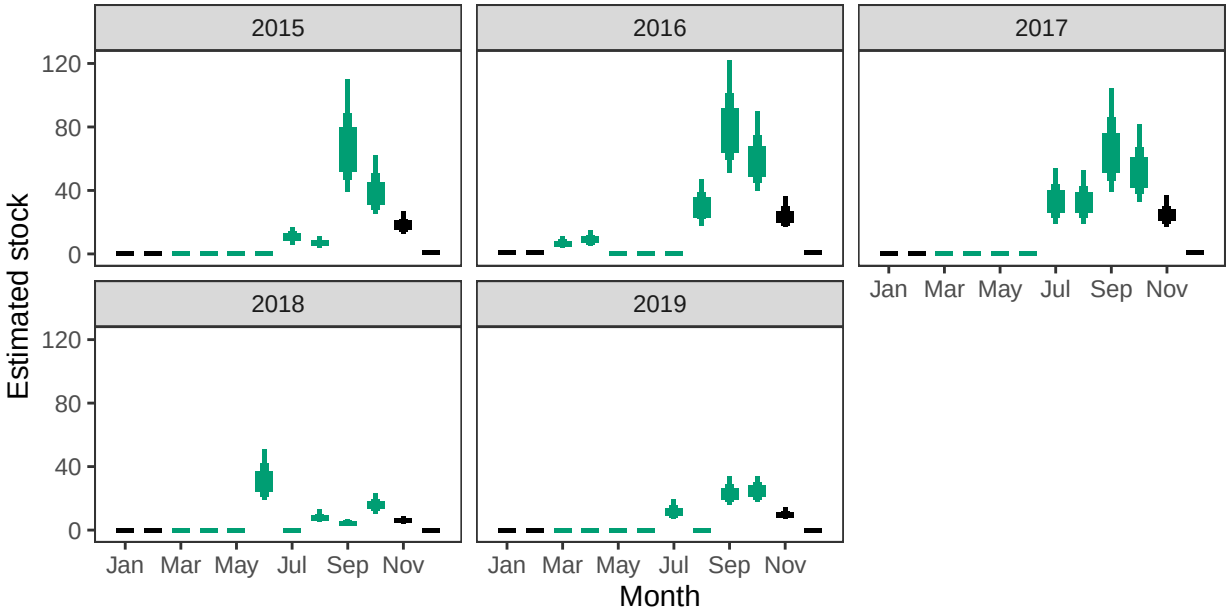
Reported Catches (black = retained, blue = released)



Monthly flow data

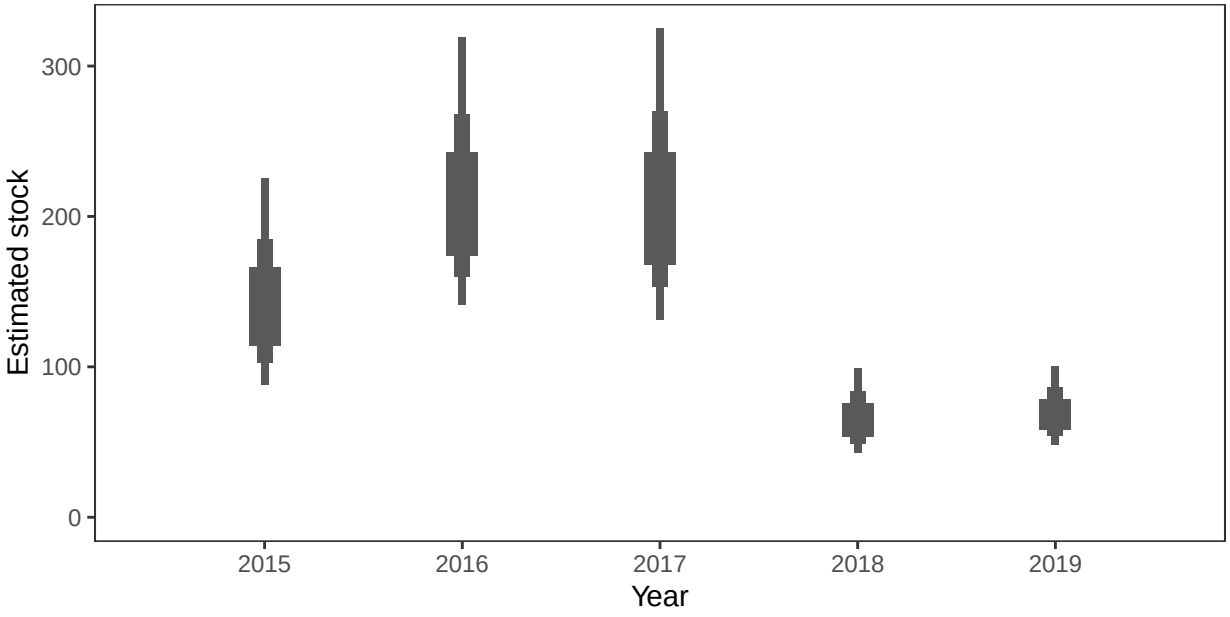


Monthly stock estimates (out of season in black)



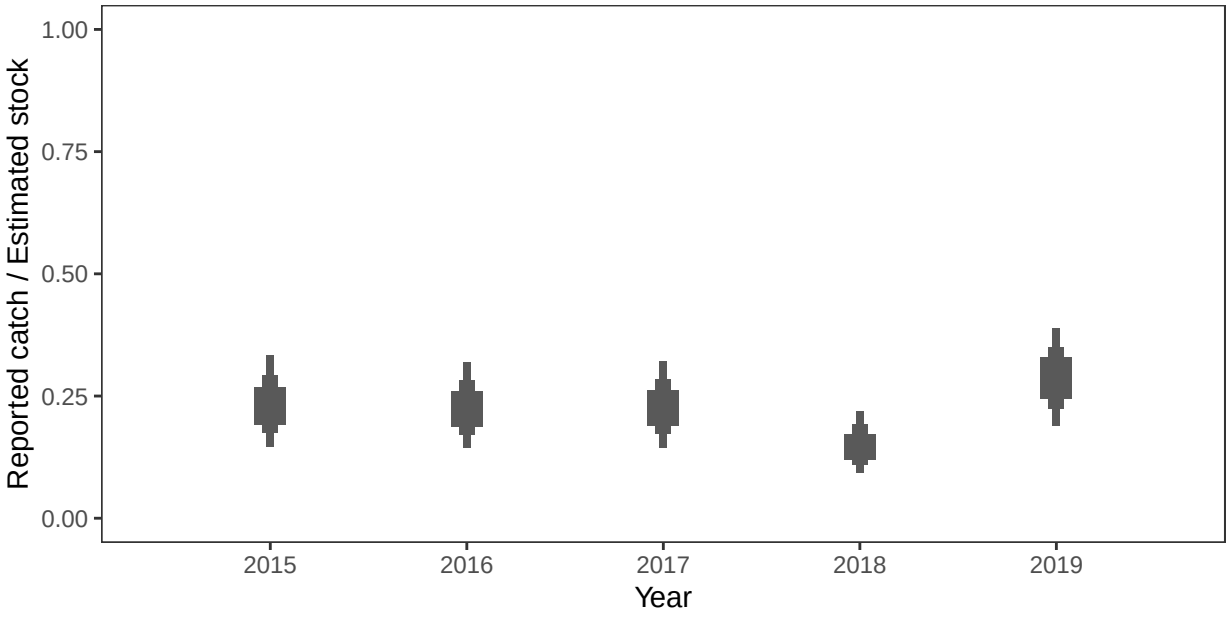
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

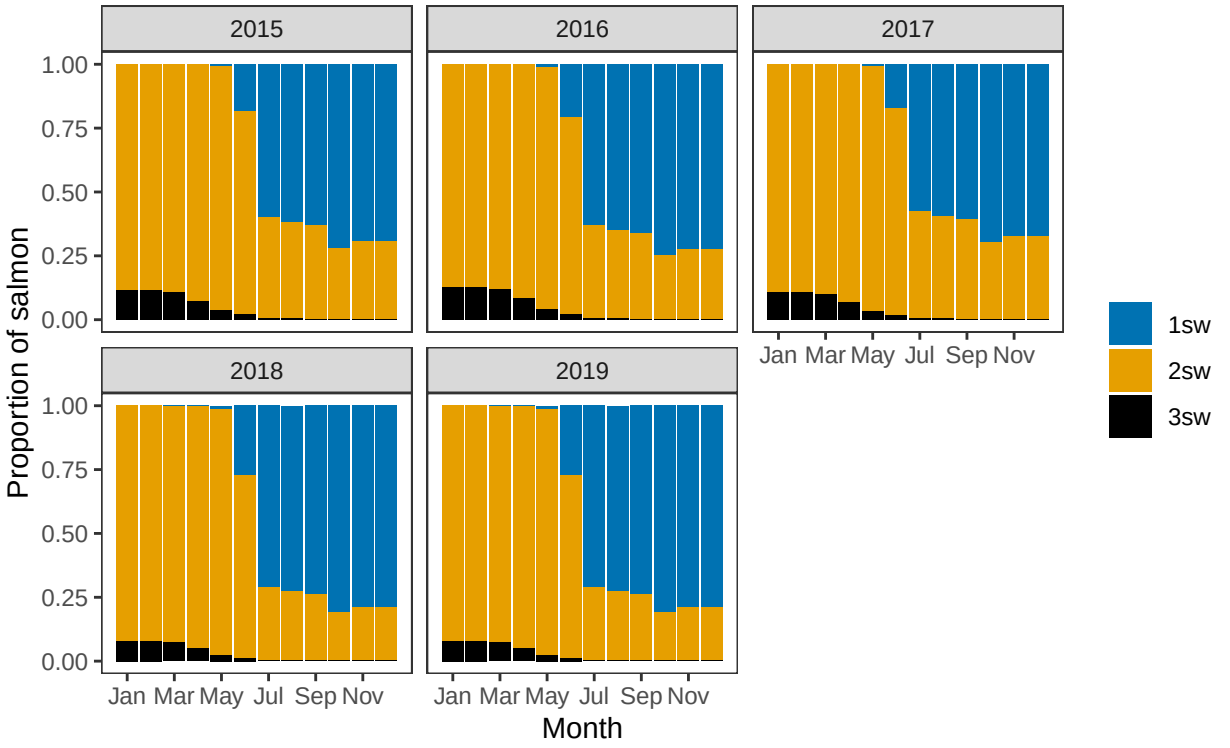
Annual catch as a proportion of stock



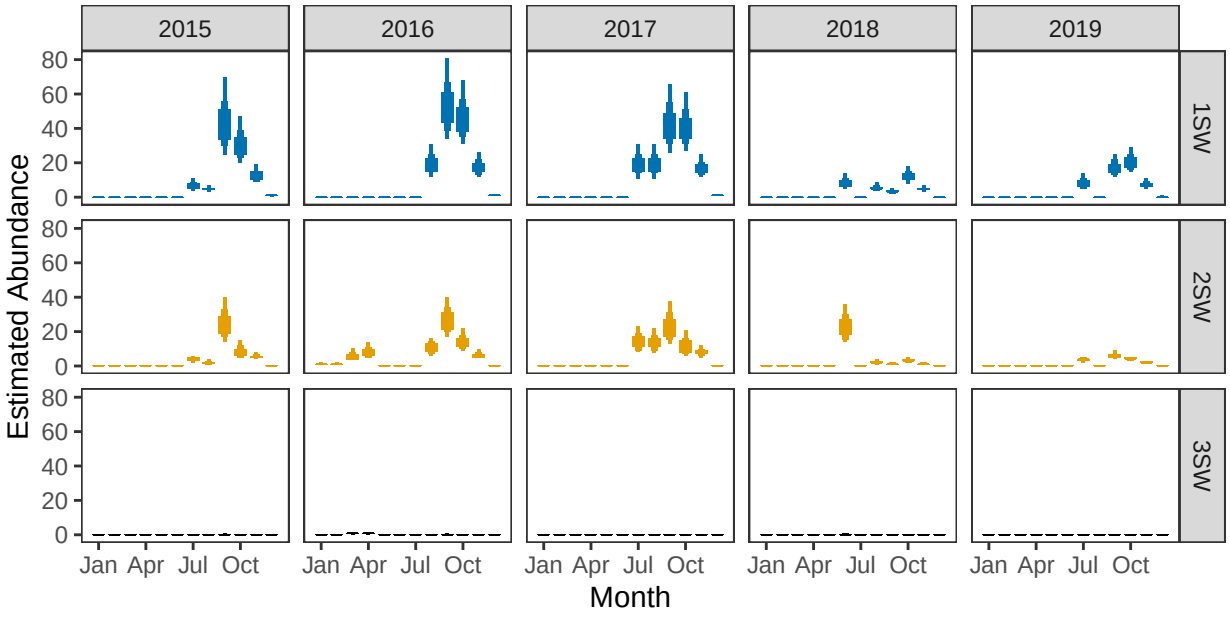
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish



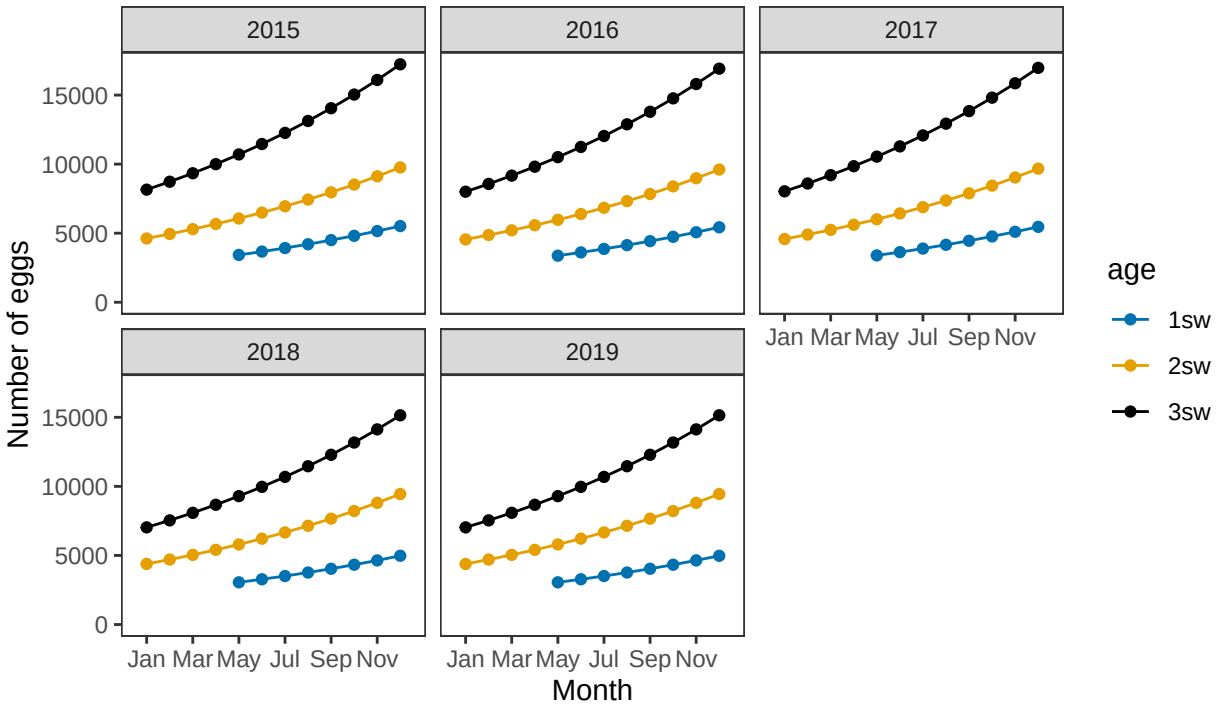
Monthly number of spawning females



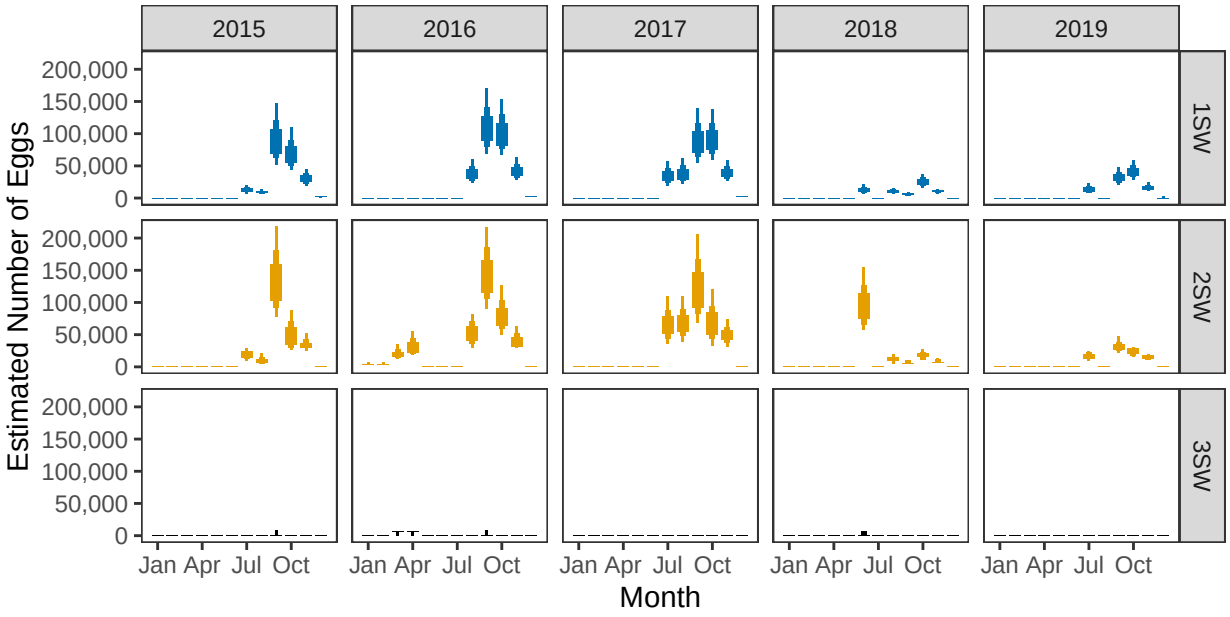
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

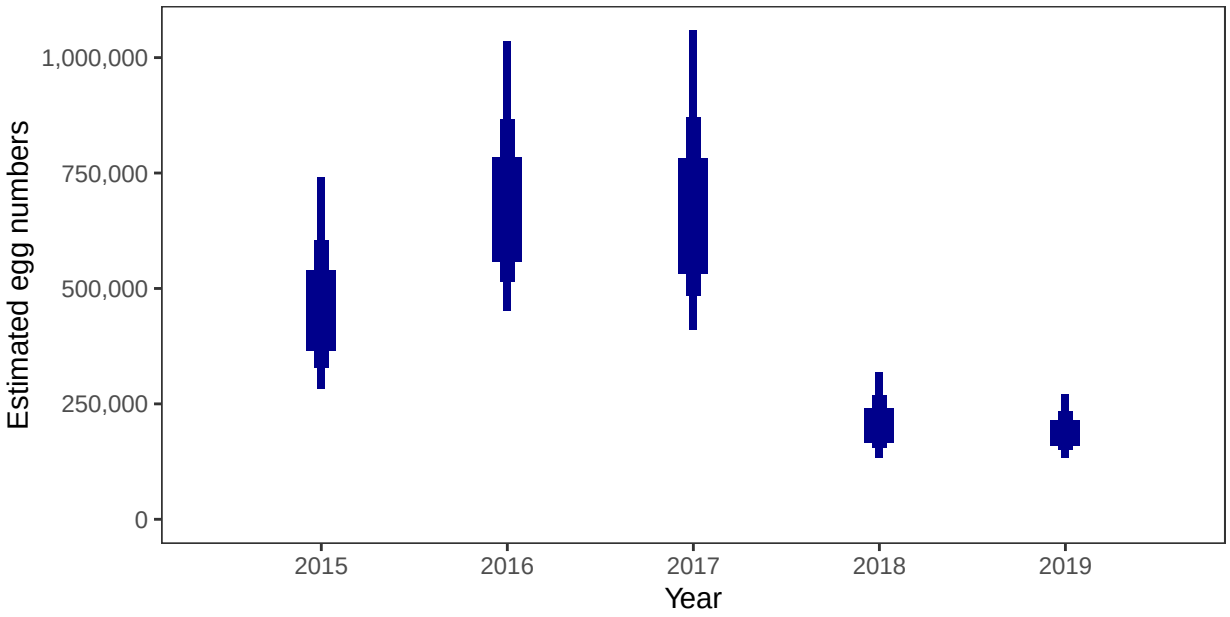


Monthly number of eggs



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Total annual egg numbers



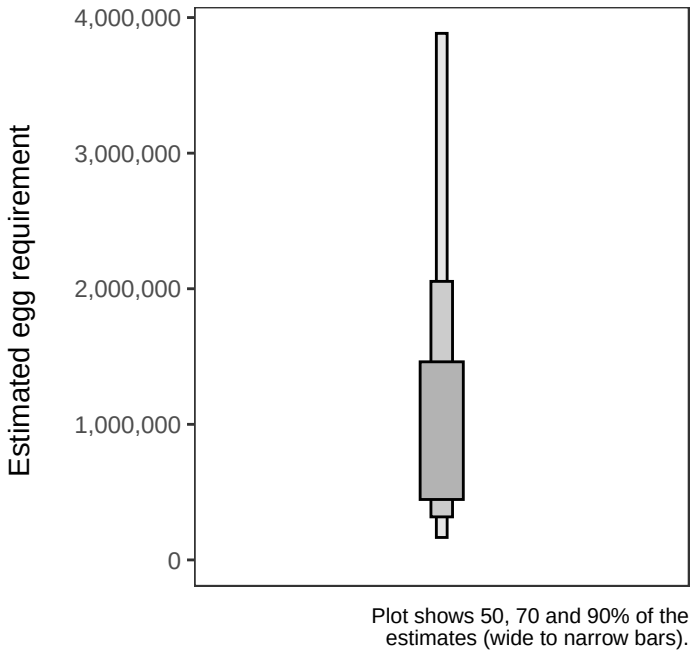
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

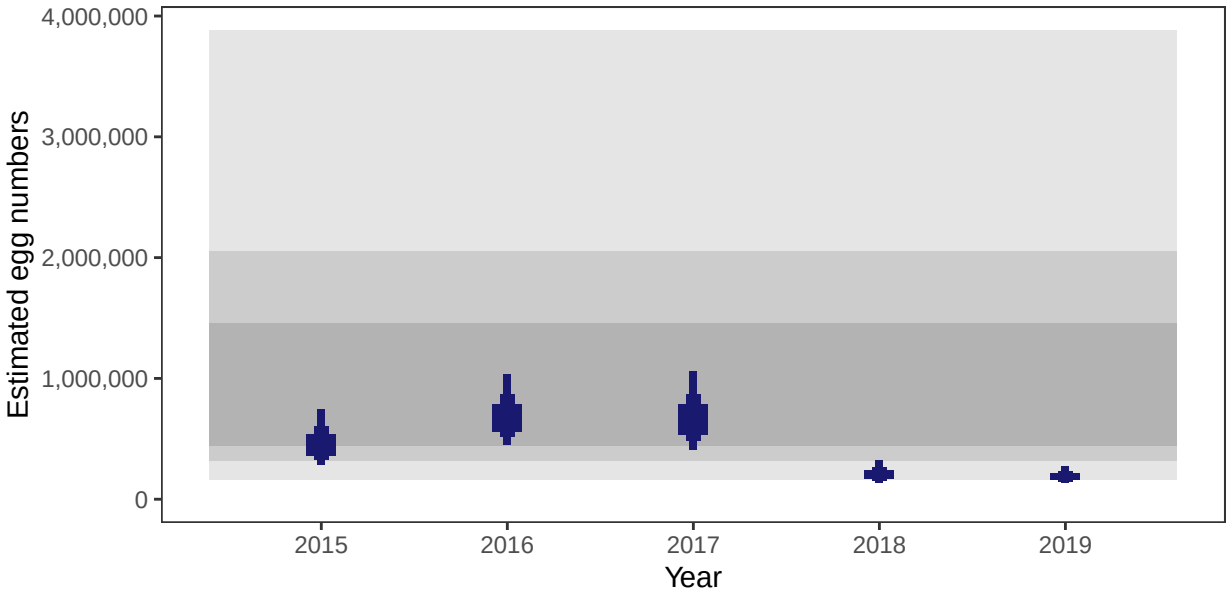
There is an estimated 340,702 square meters of known salmon habitat in the River Eden and a further 9,915 square meters where salmon may be present.

Egg requirement



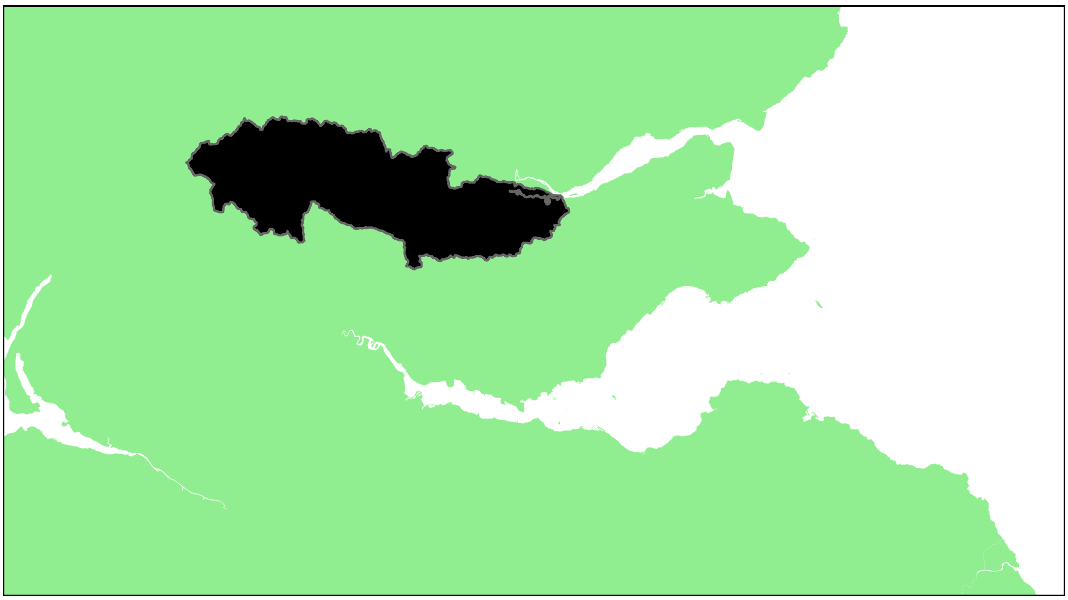
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	26.88
2016	40.90
2017	40.76
2018	8.12
2019	6.84



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Earn: Grade 3



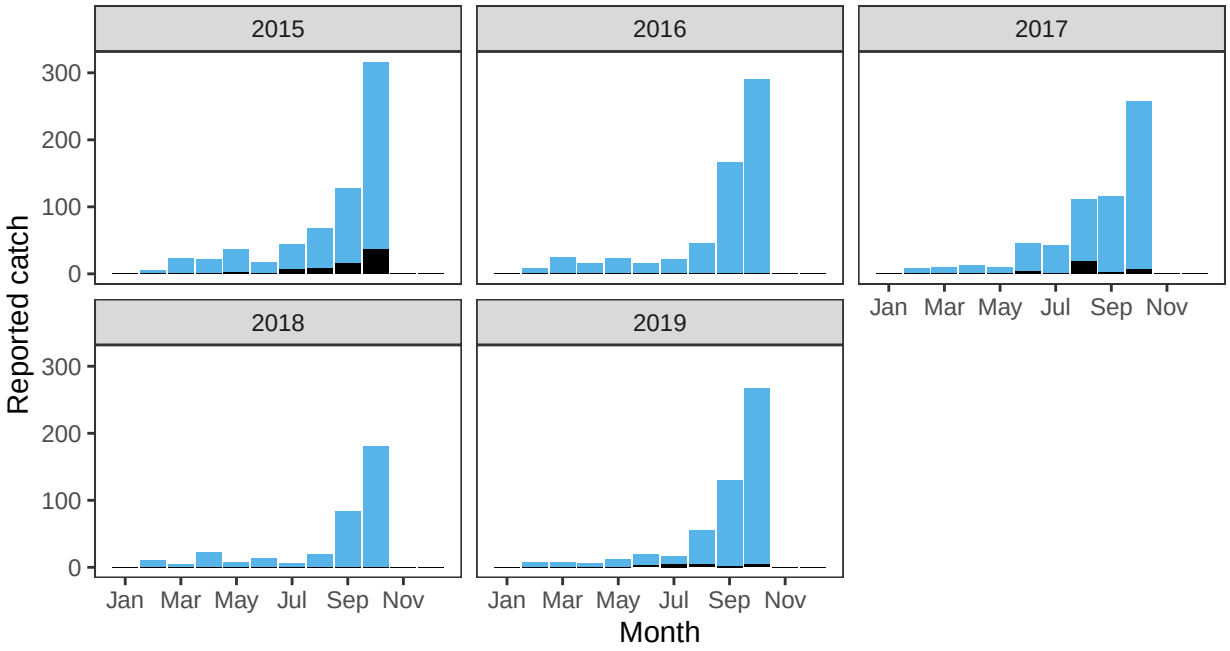
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
2.6	2,707,300	7,047,532	67.84	67.38	67.67	36.84	47.11	57.37	3

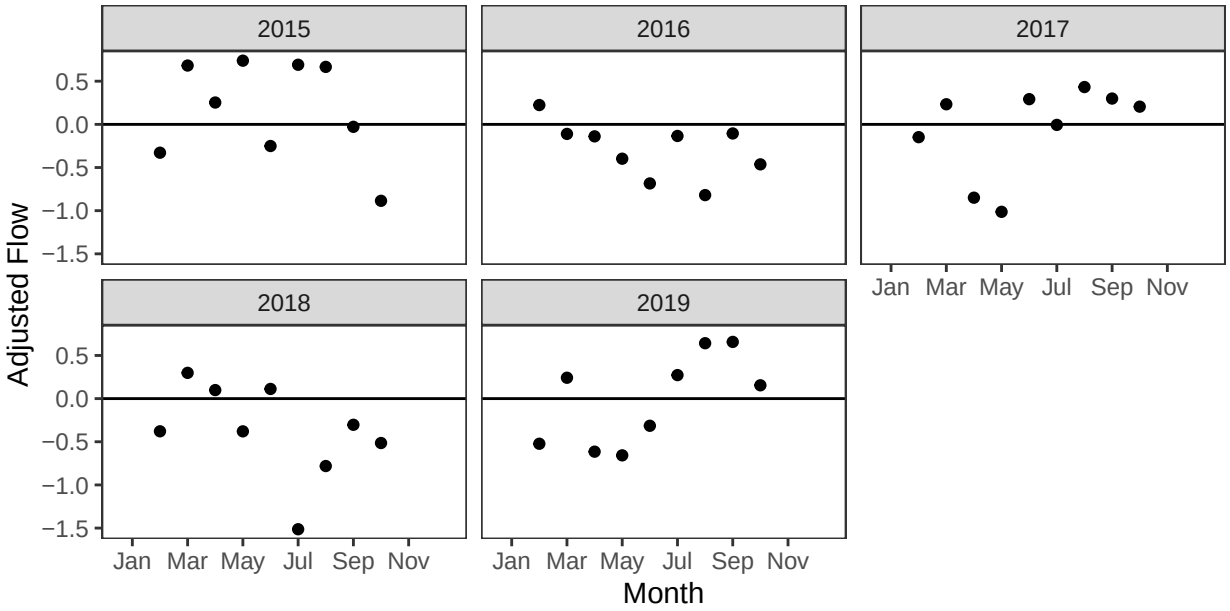
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

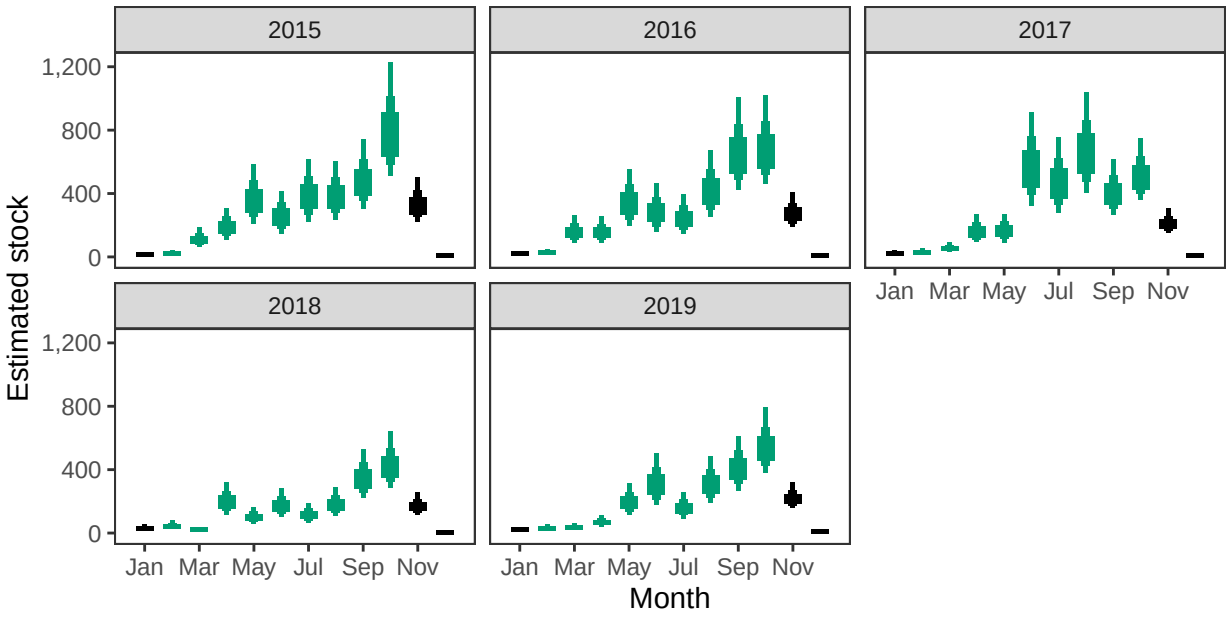
Reported Catches (black = retained, blue = released)



Monthly flow data

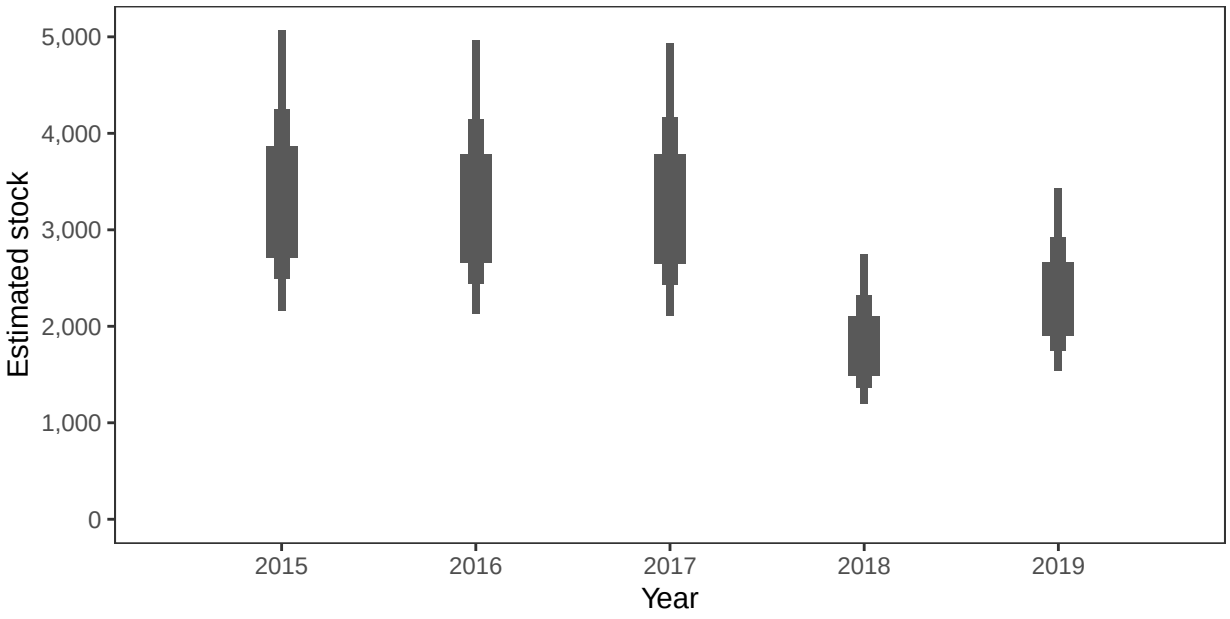


Monthly stock estimates (out of season in black)



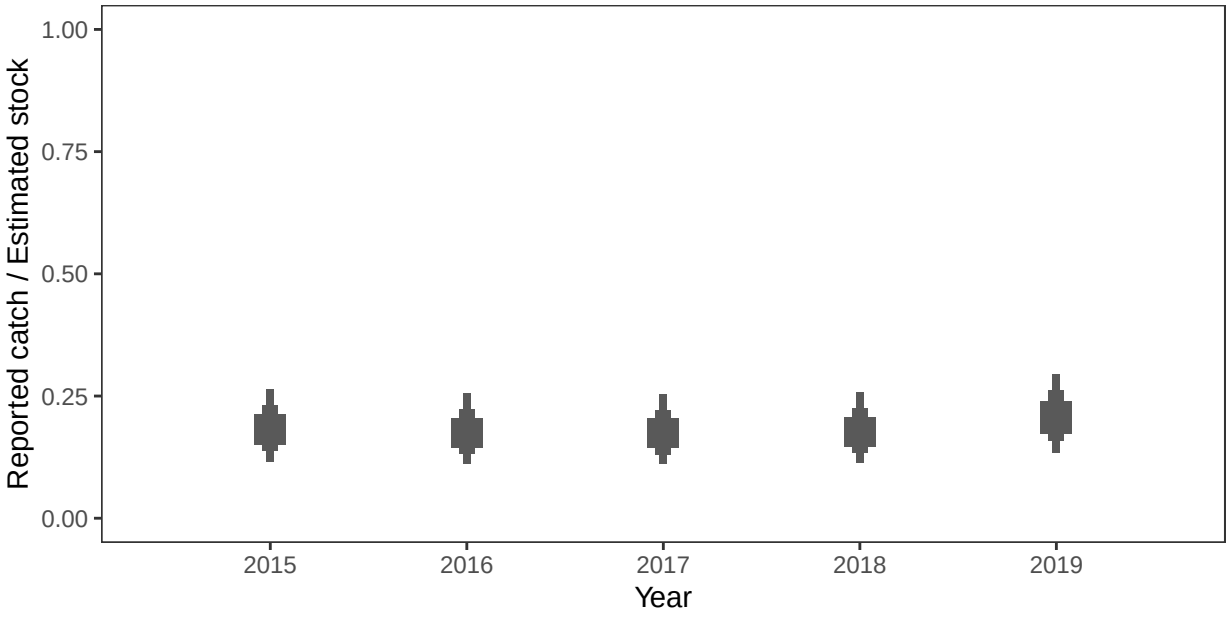
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

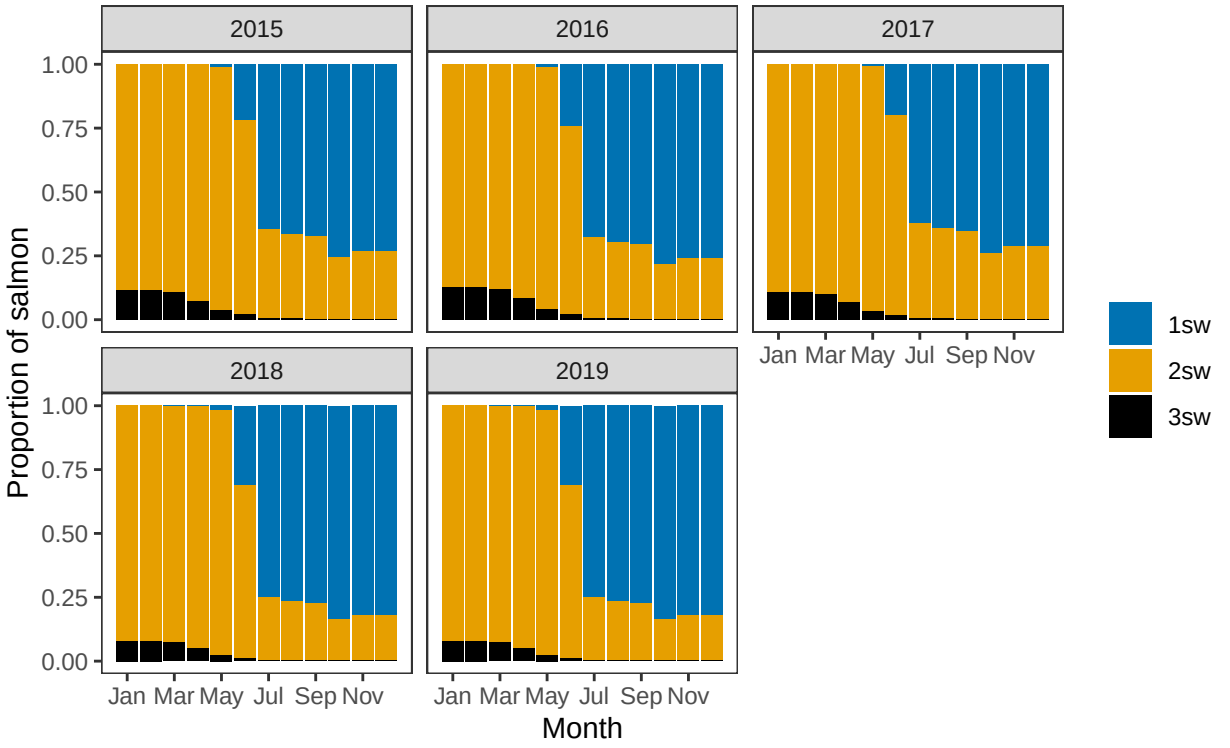
Annual catch as a proportion of stock



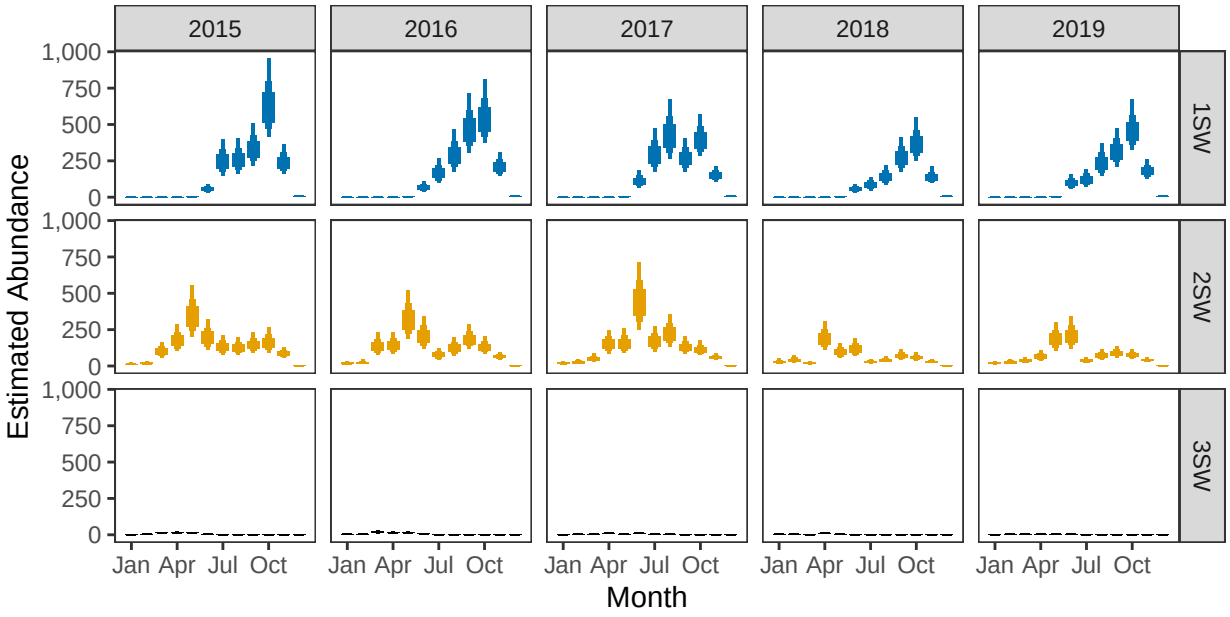
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish



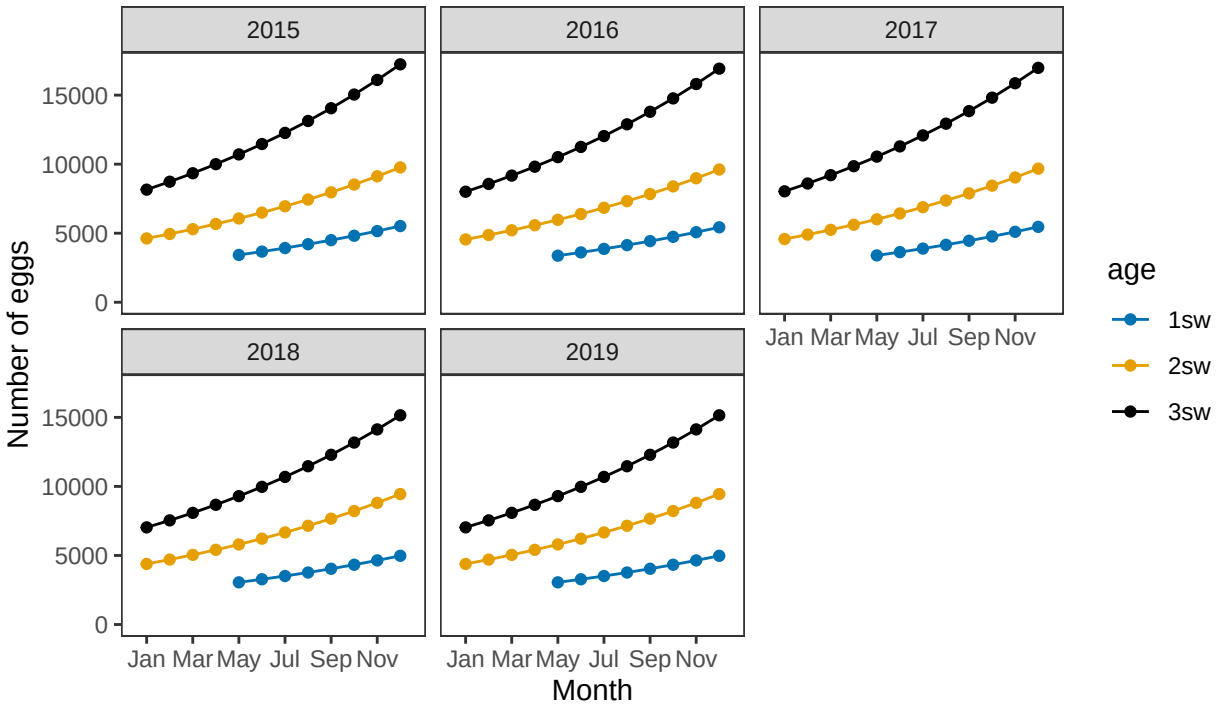
Monthly number of spawning females



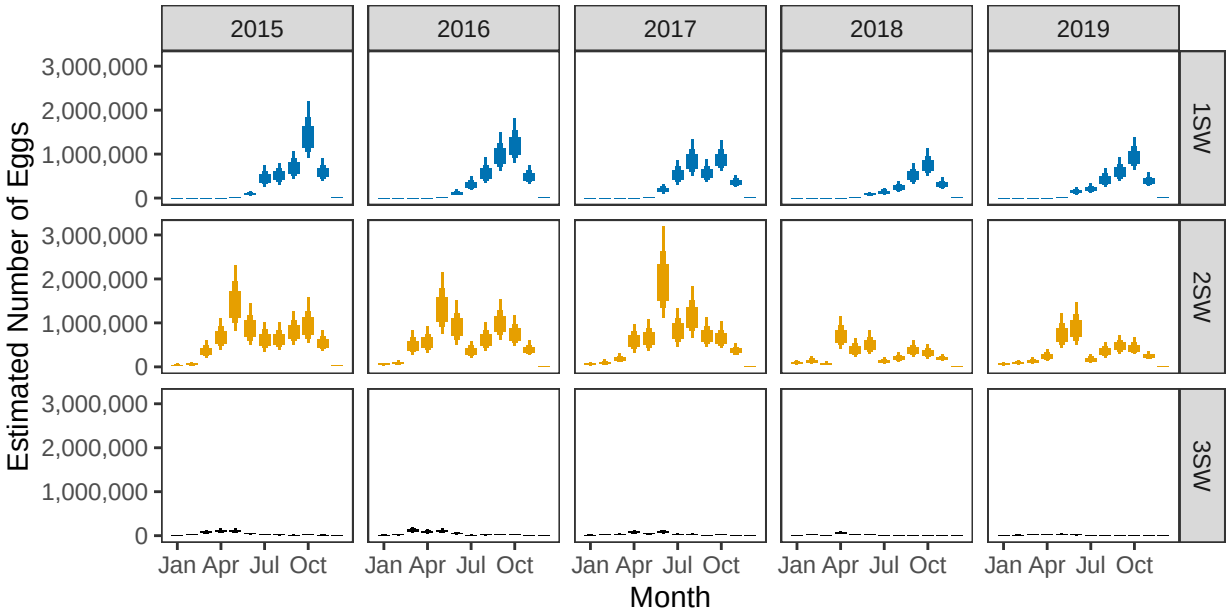
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

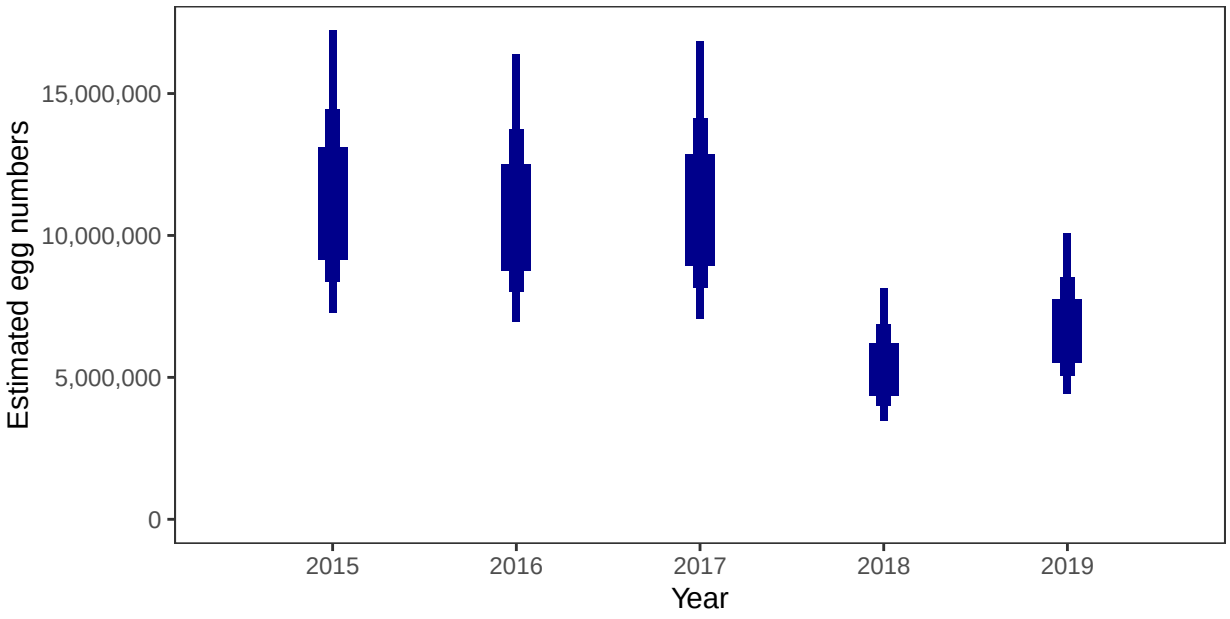


Monthly number of eggs



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Total annual egg numbers



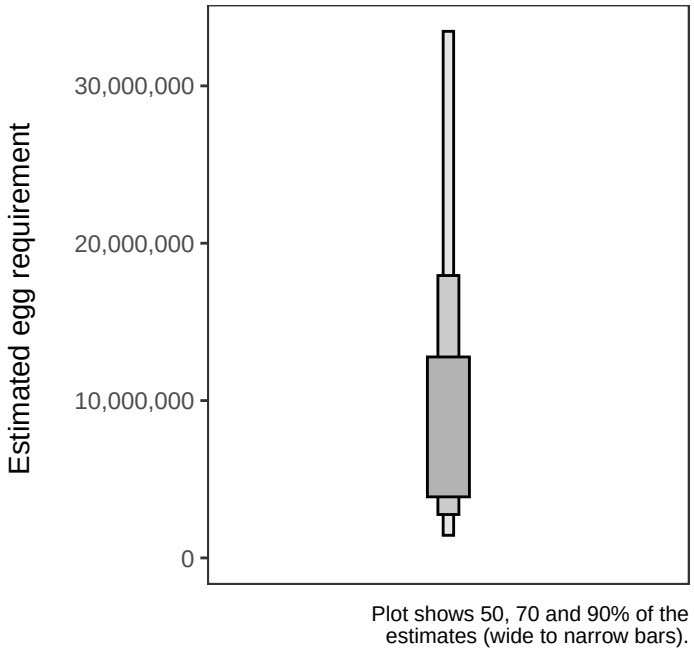
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

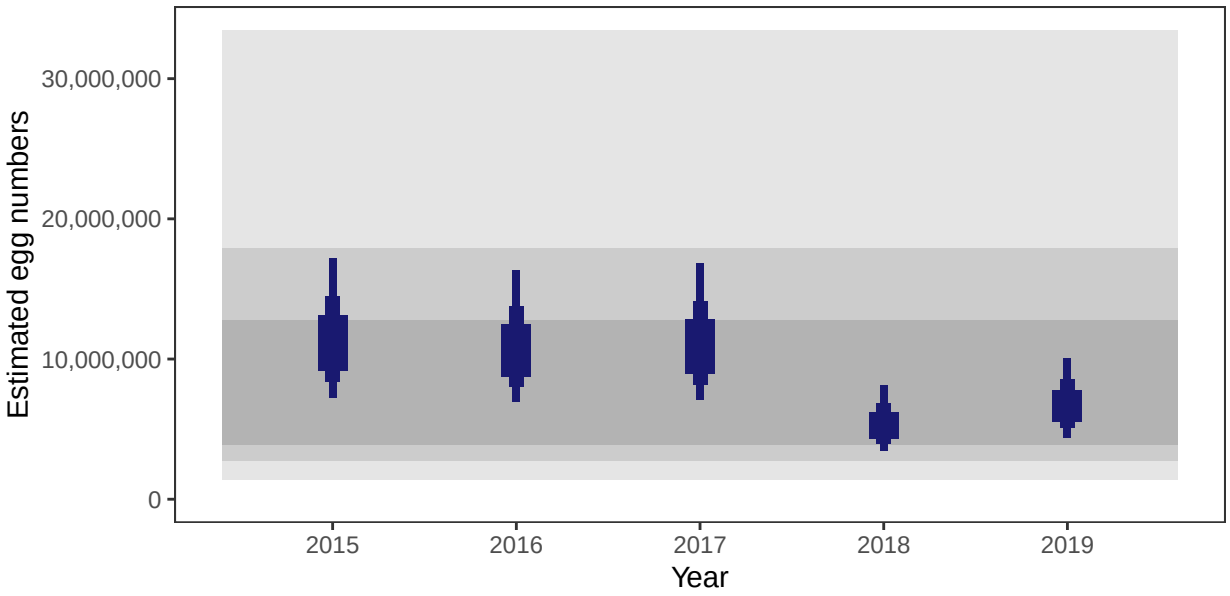
There is an estimated 2,985,147 square meters of known salmon habitat in the River Earn and a further 91,324 square meters where salmon may be present.

Egg requirement



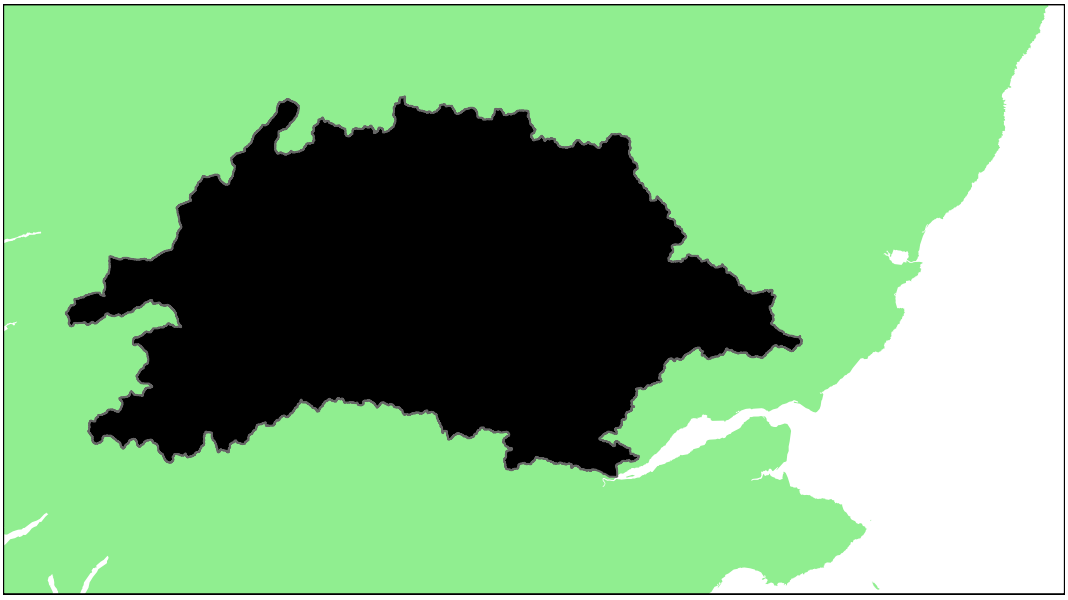
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	67.84
2016	67.38
2017	67.67
2018	36.84
2019	47.11



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)

River Tay SAC: Grade 1



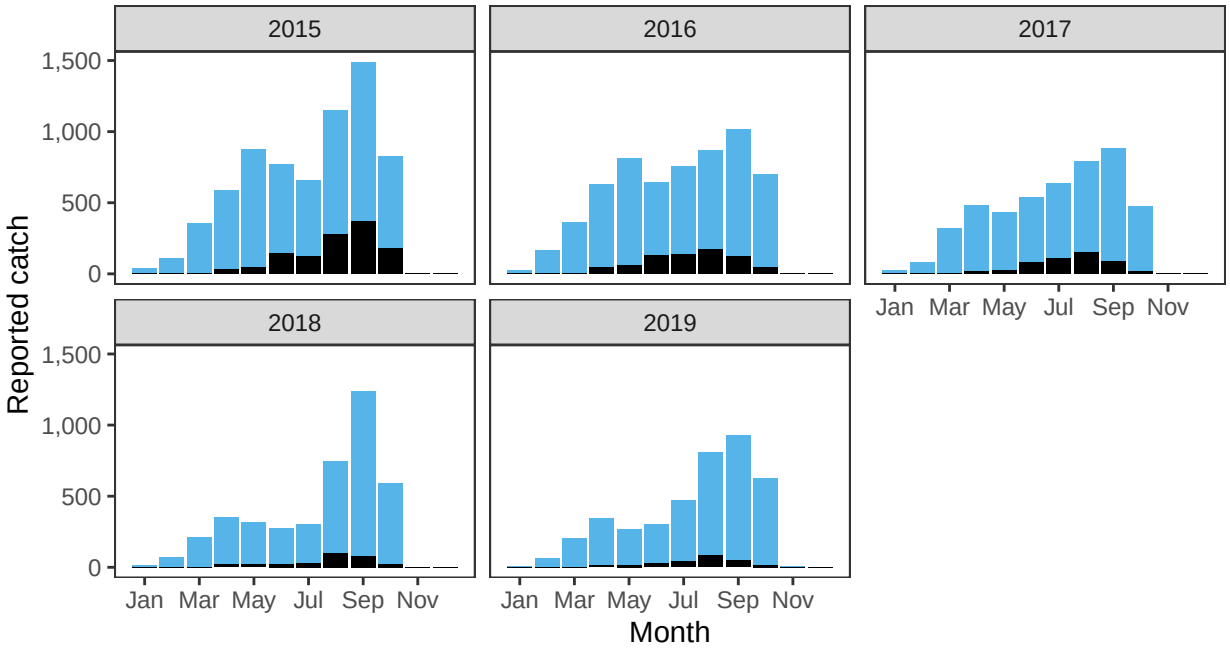
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2015	2016	2017	2018	2019	Overall	
2.62	15,451,100	40,448,258	93.81	93.54	90.14	84.72	81.95	88.83	1

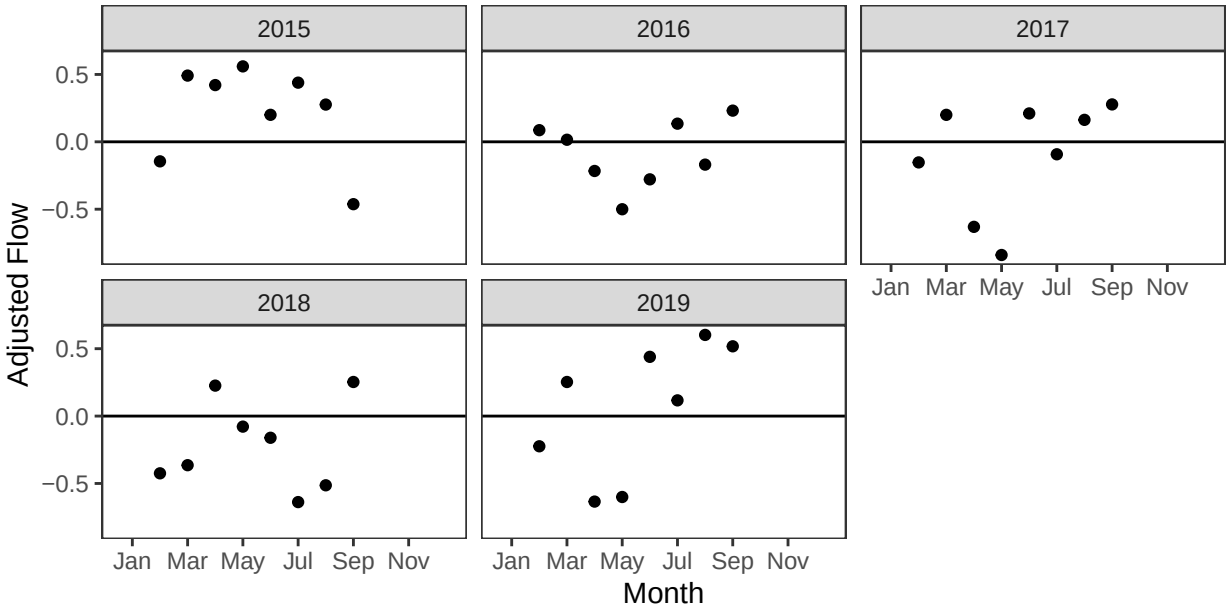
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

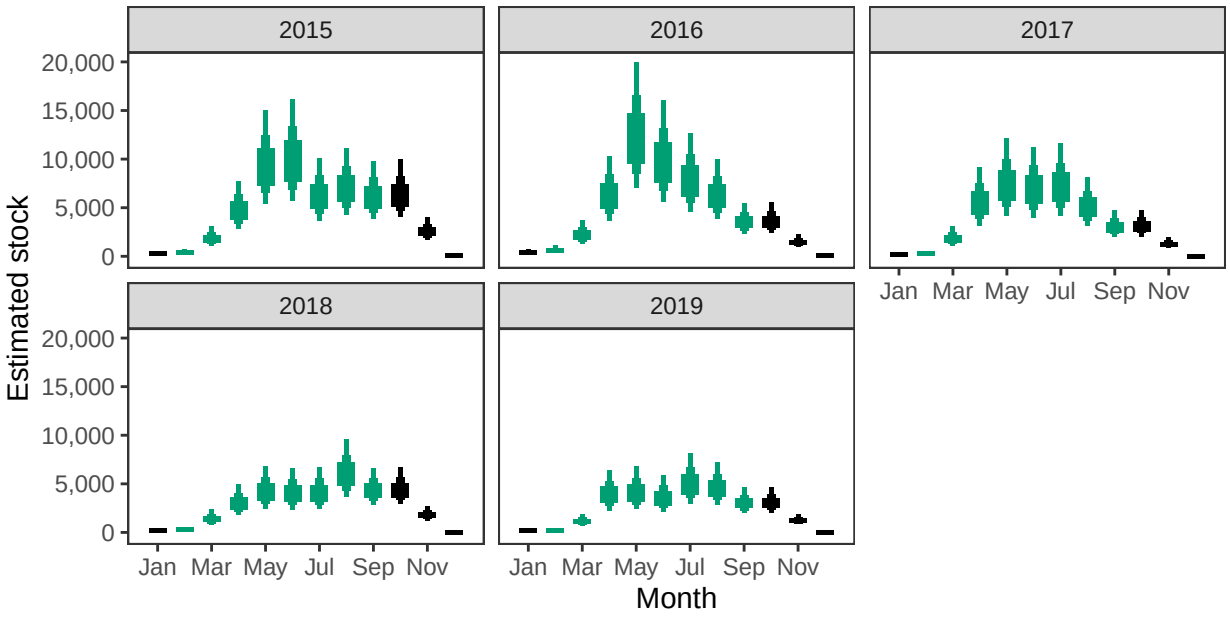
Reported Catches (black = retained, blue = released)



Monthly flow data

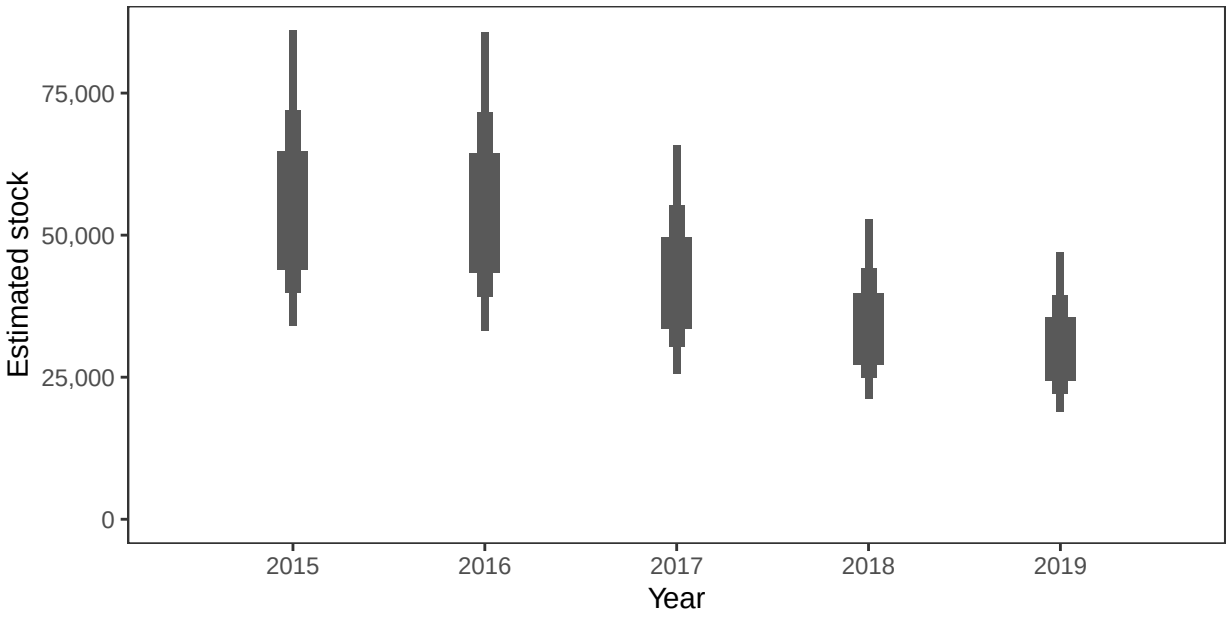


Monthly stock estimates (out of season in black)



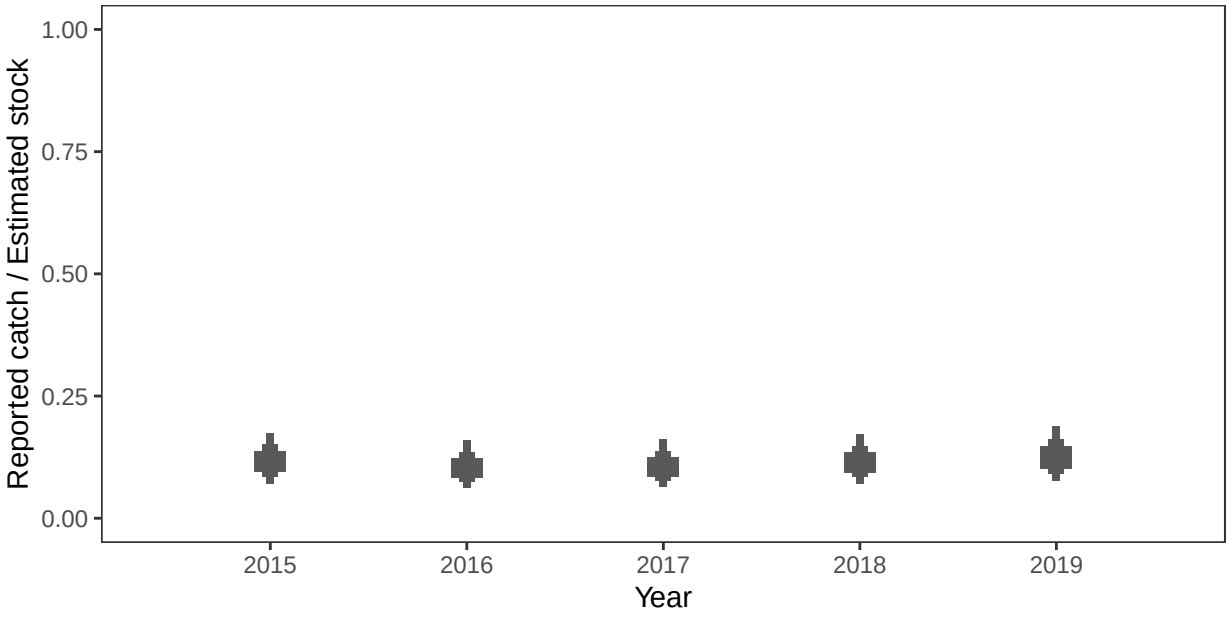
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

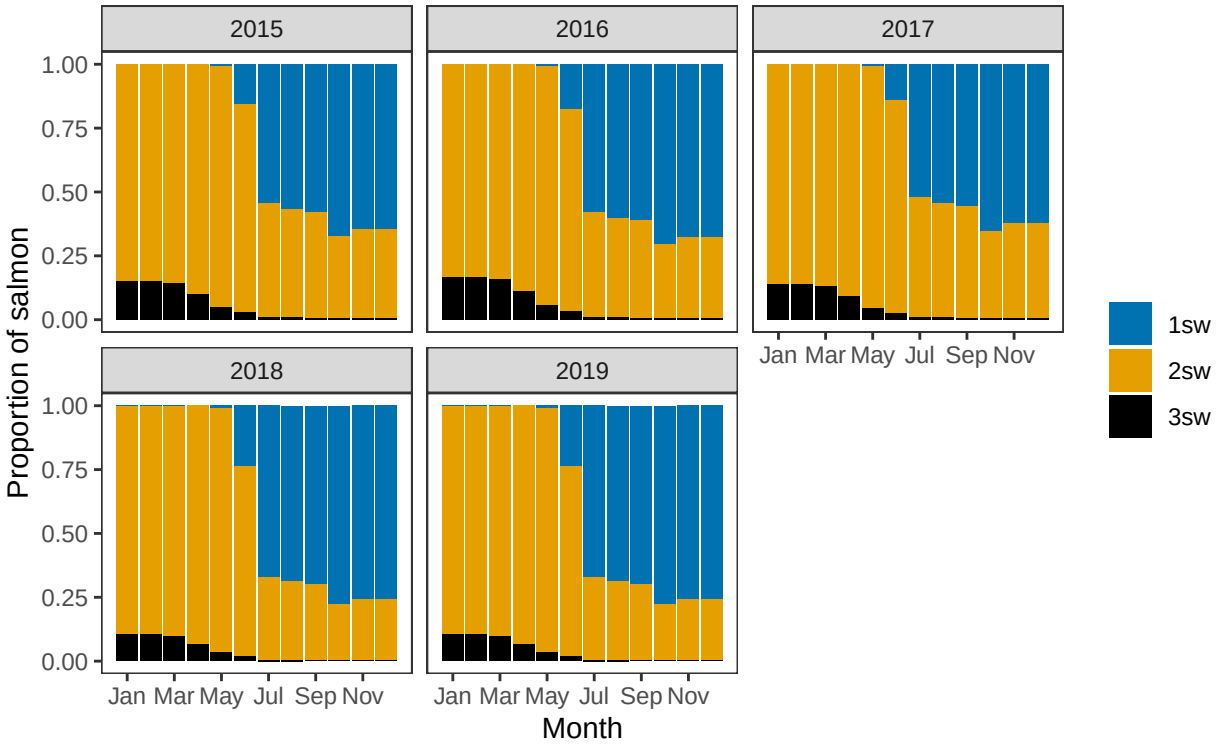
Annual catch as a proportion of stock



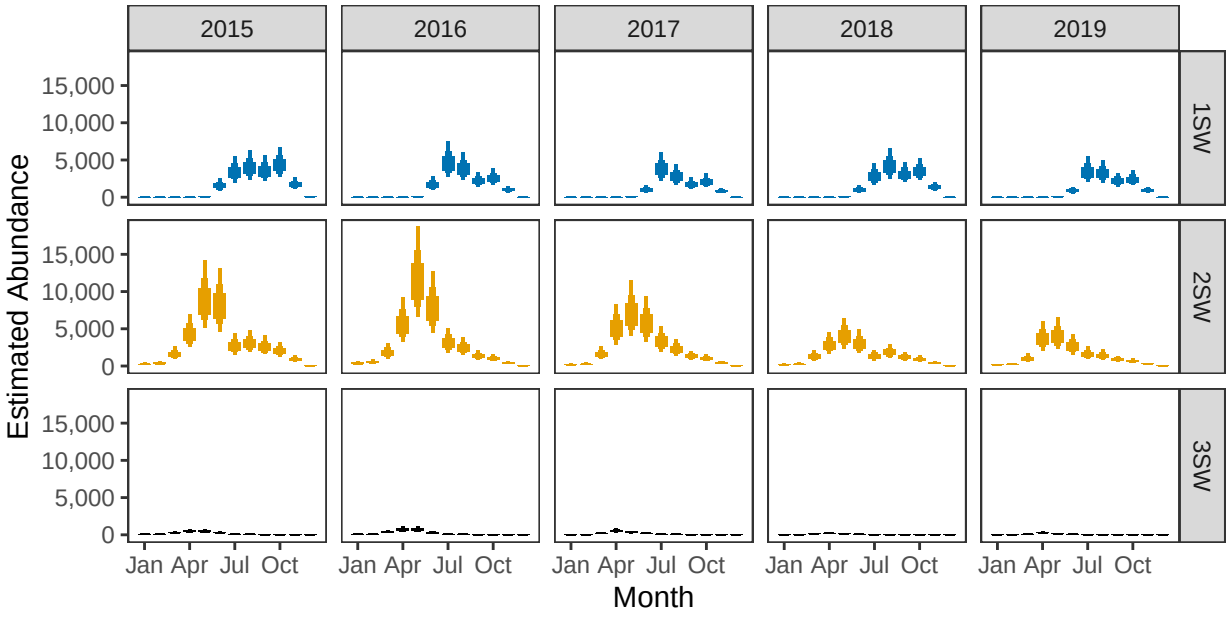
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish



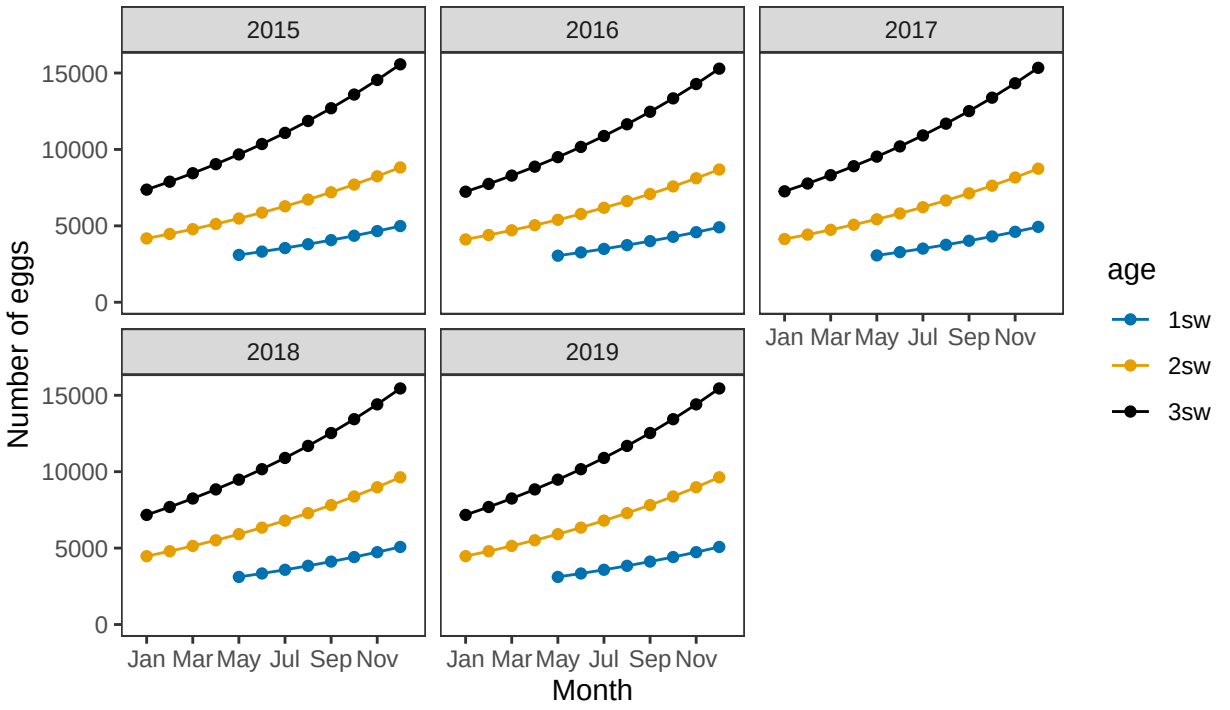
Monthly number of spawning females



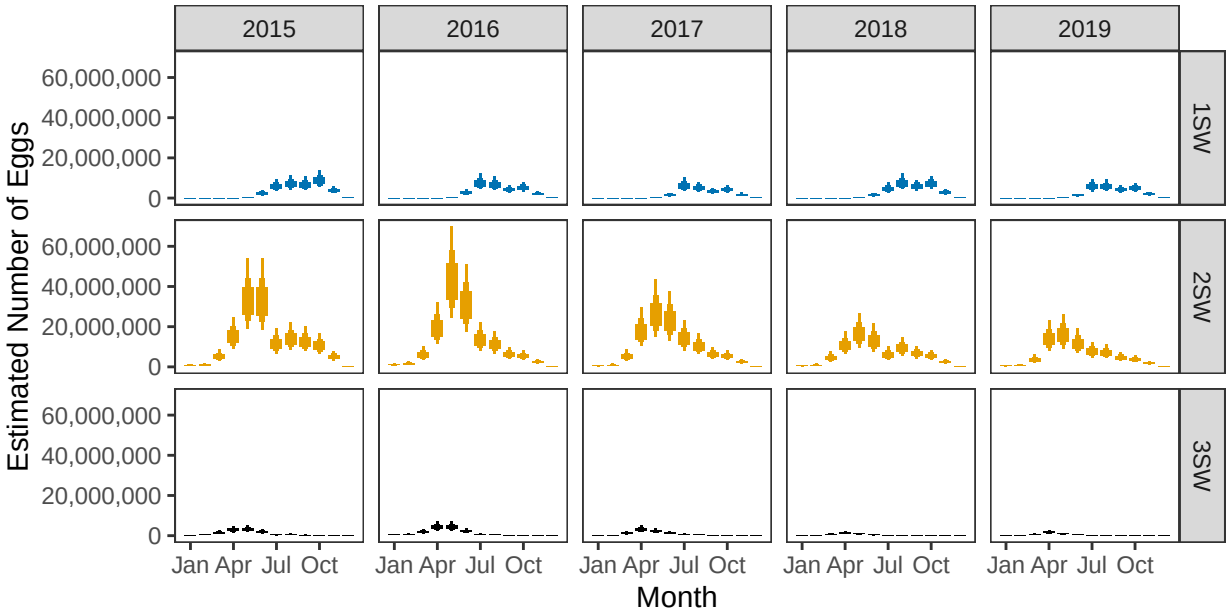
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

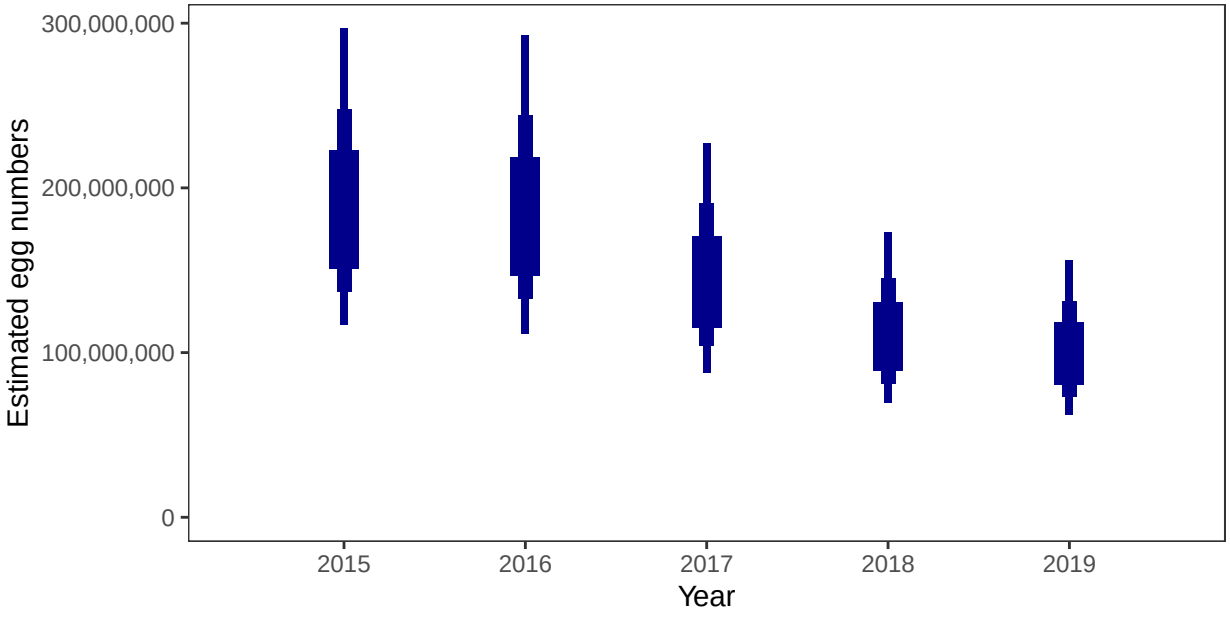


Monthly number of eggs



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Total annual egg numbers



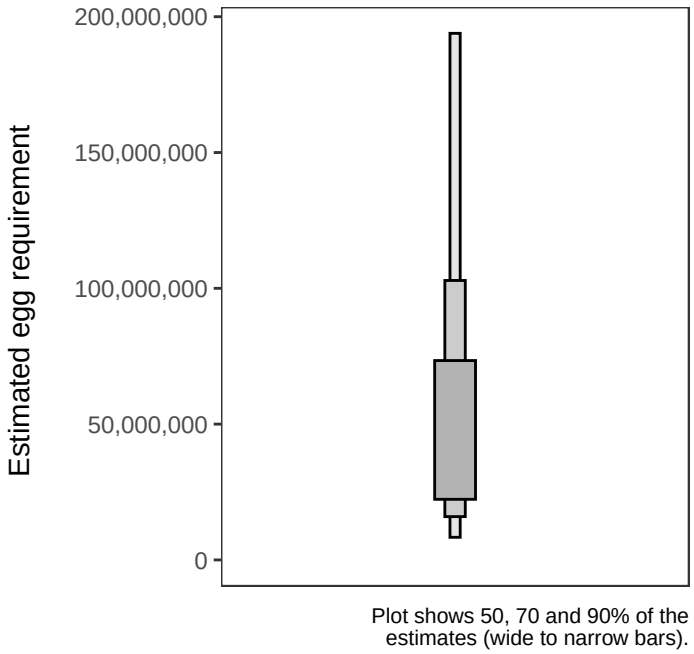
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

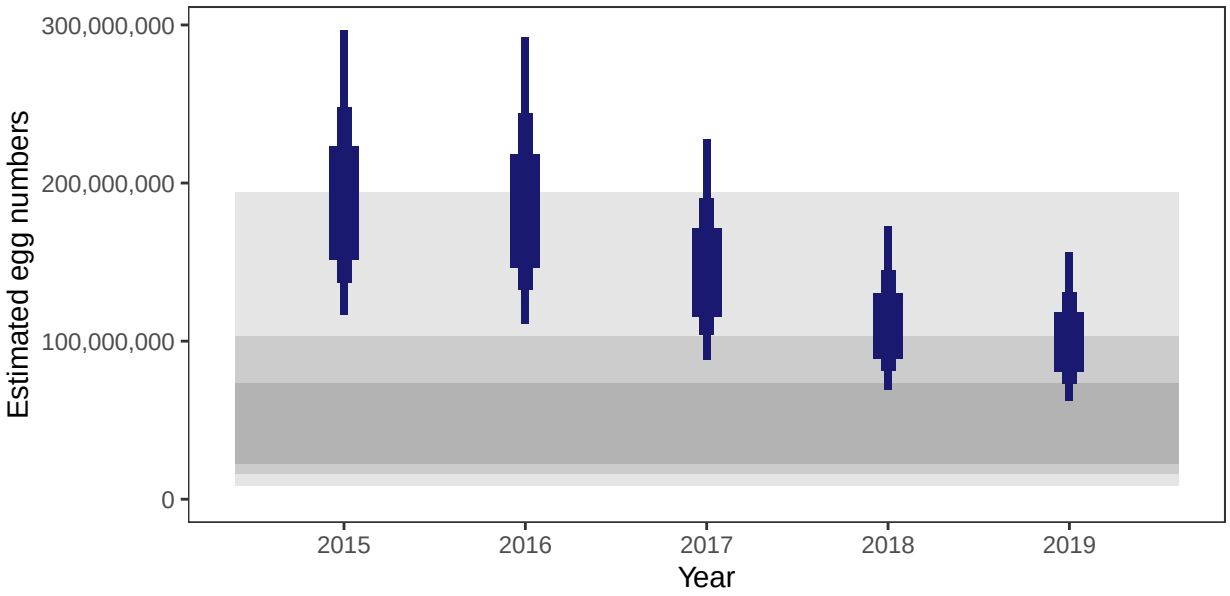
There is an estimated 17,272,512 square meters of known salmon habitat in the River Tay SAC and a further 285,556 square meters where salmon may be present.

Egg requirement



5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2015	93.81
2016	93.54
2017	90.14
2018	84.72
2019	81.95



Plot shows 50, 70 and 90% of the estimates (wide to narrow bars). Shaded areas represent 50, 70 and 90% of the estimated egg requirements (dark to light areas)