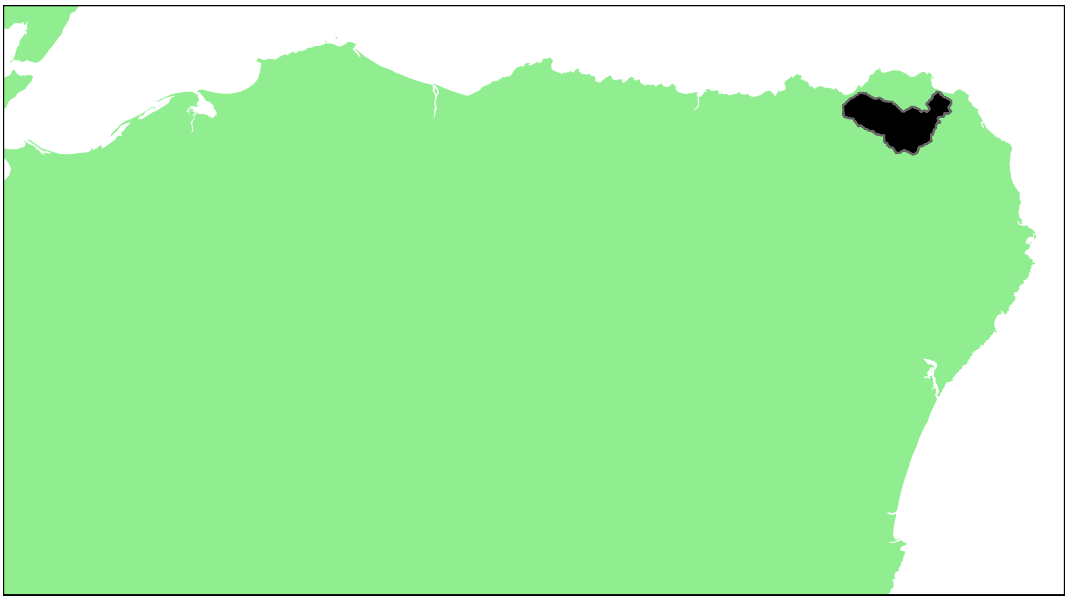
Moray Firth Region

Water of Philorth: Grade 3



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

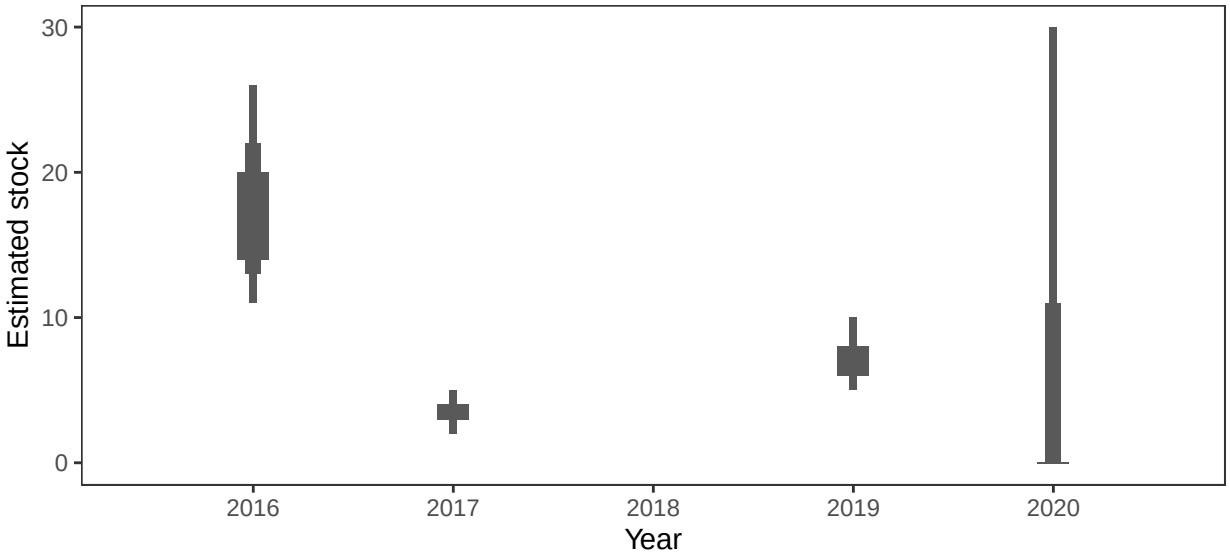
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
1.81	79,400	143,844	15.05	1.24	0	3.27	5.4	4.99	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

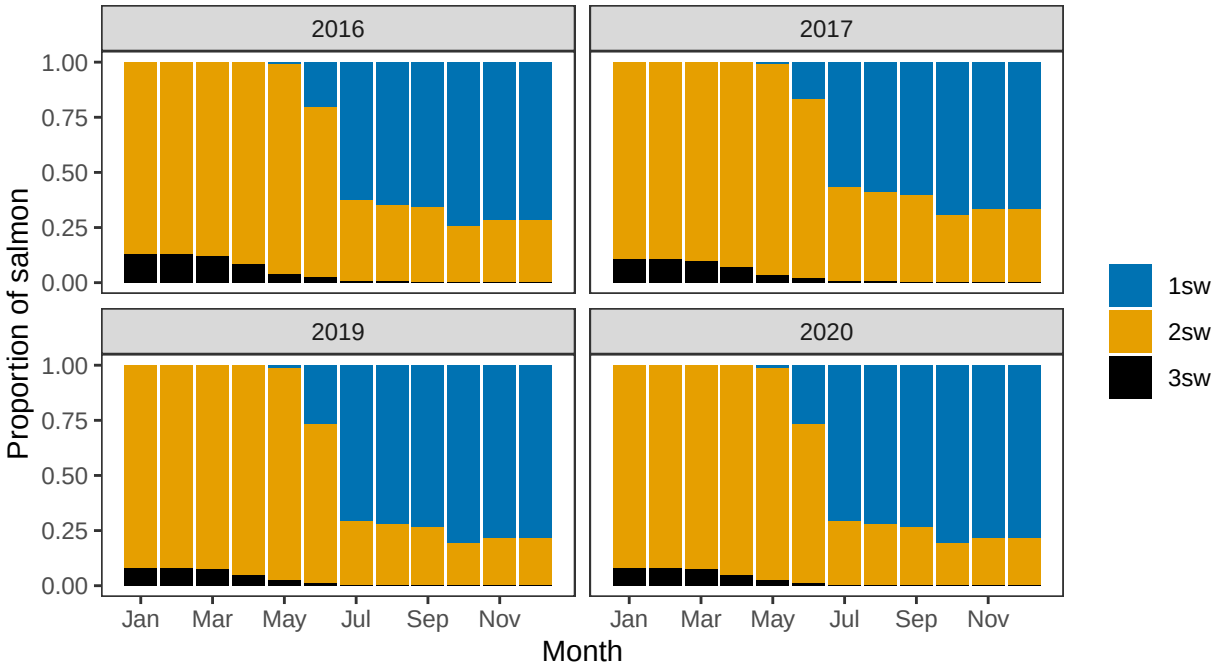
Annual estimated stock



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

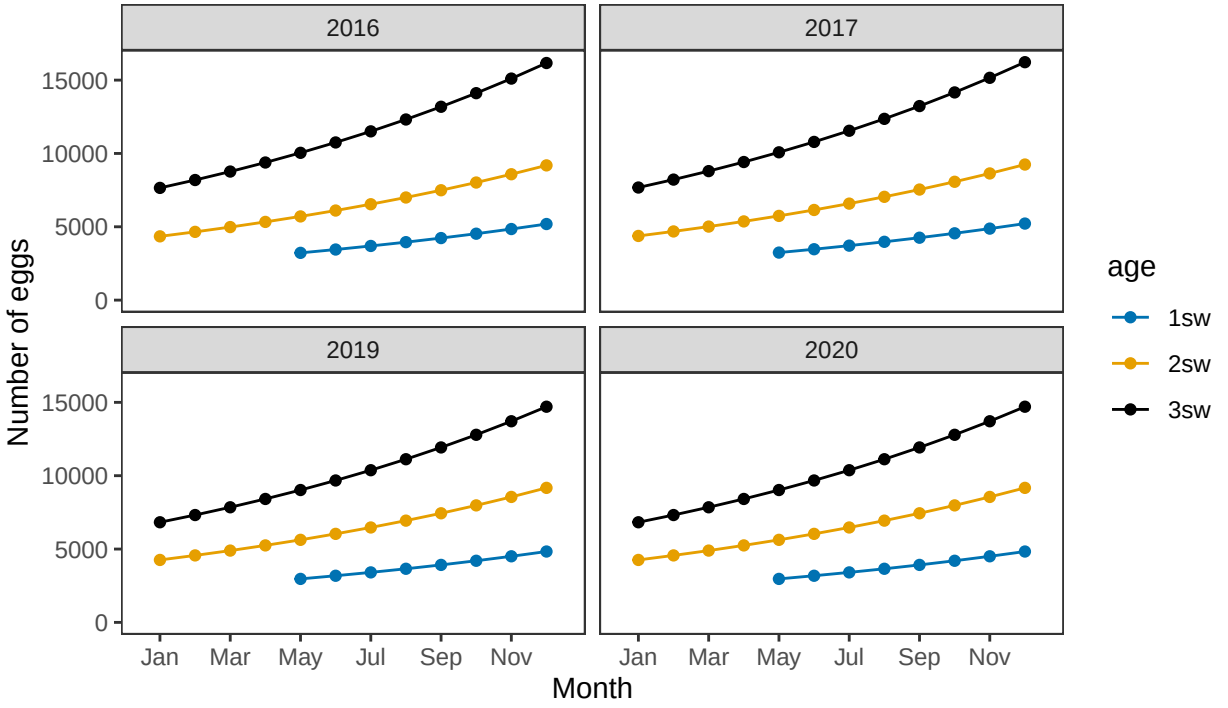
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

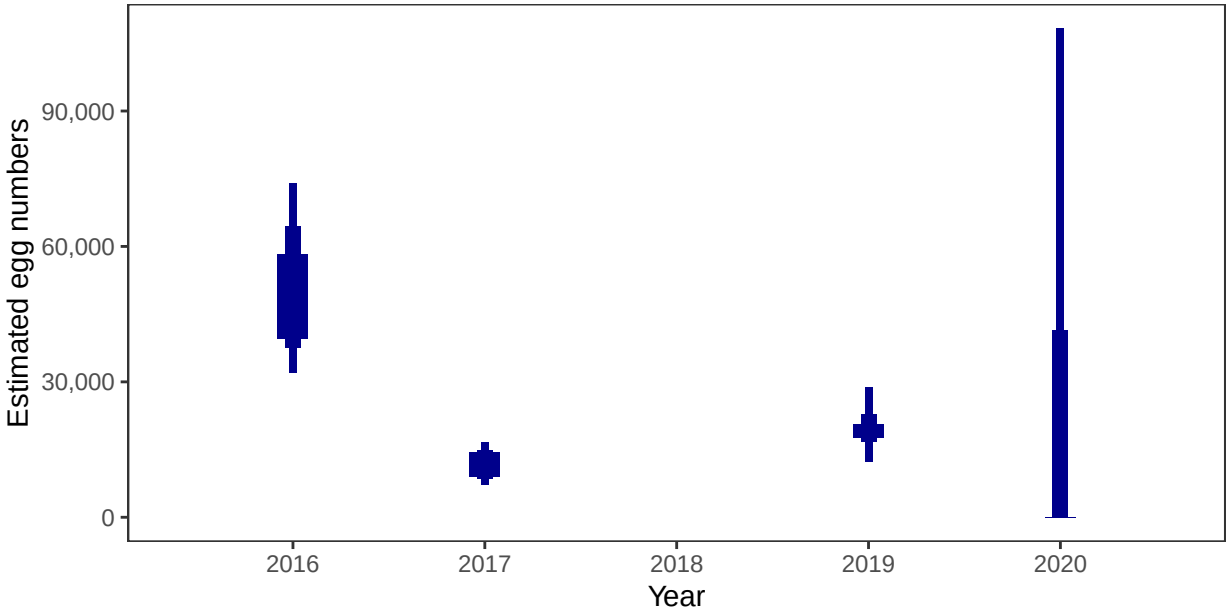


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



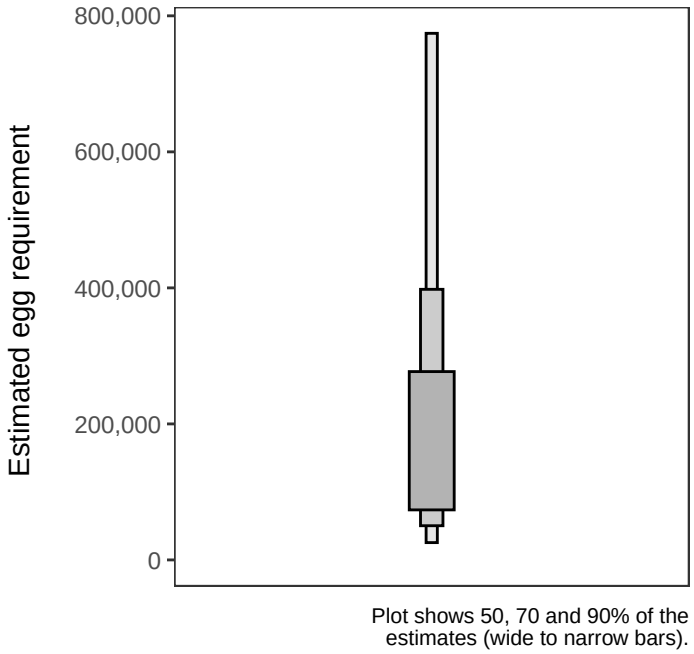
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

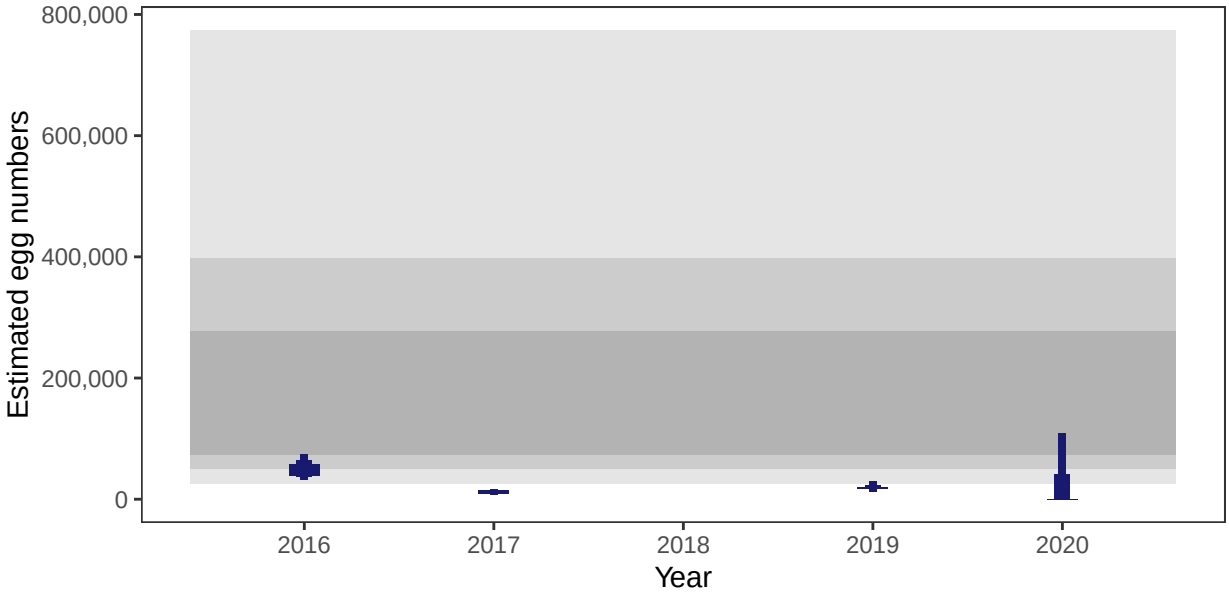
There is an estimated 21,931 square meters of known salmon habitat in the Water of Philorth and a further 68,248 square meters where salmon may be present.

Egg requirement



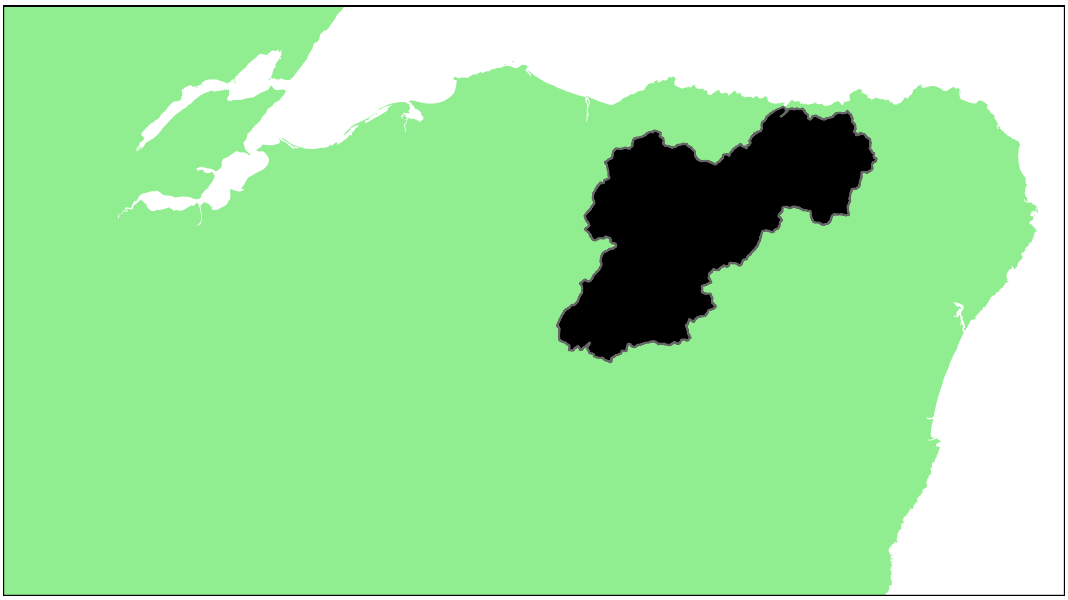
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	15.05
2017	1.24
2018	-
2019	3.27
2020	5.40



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 Deveron: Grade 2



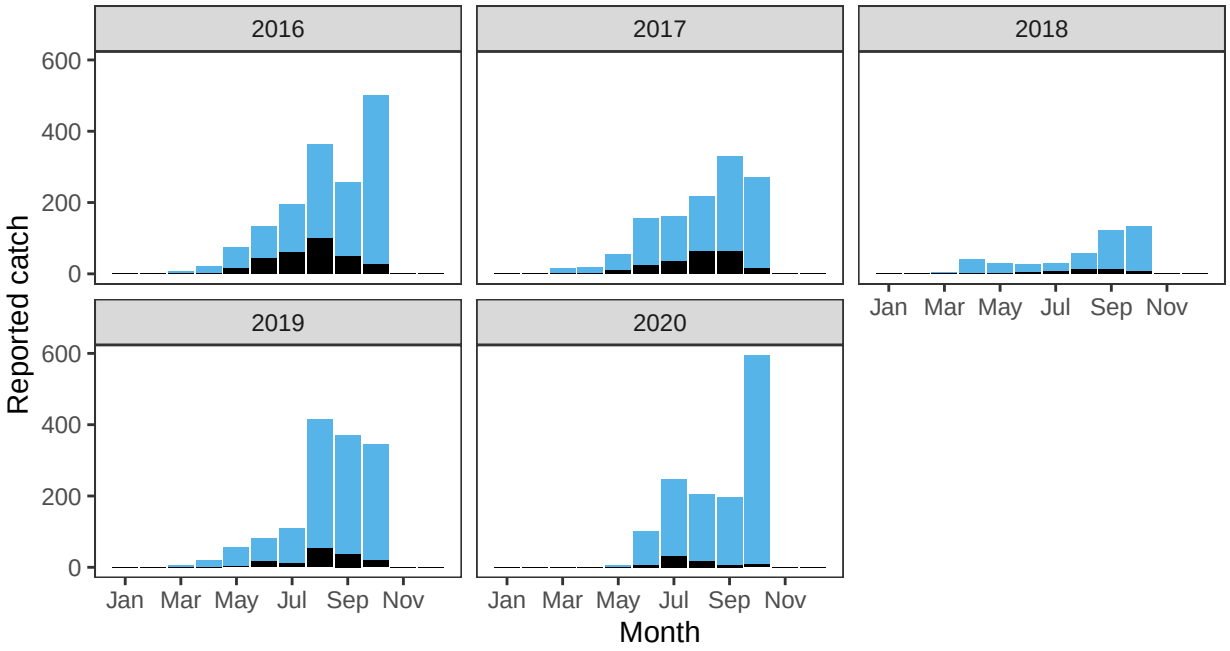
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.98	3,474,900	10,355,355	87.37	83.97	44.89	77.18	82.37	75.16	2

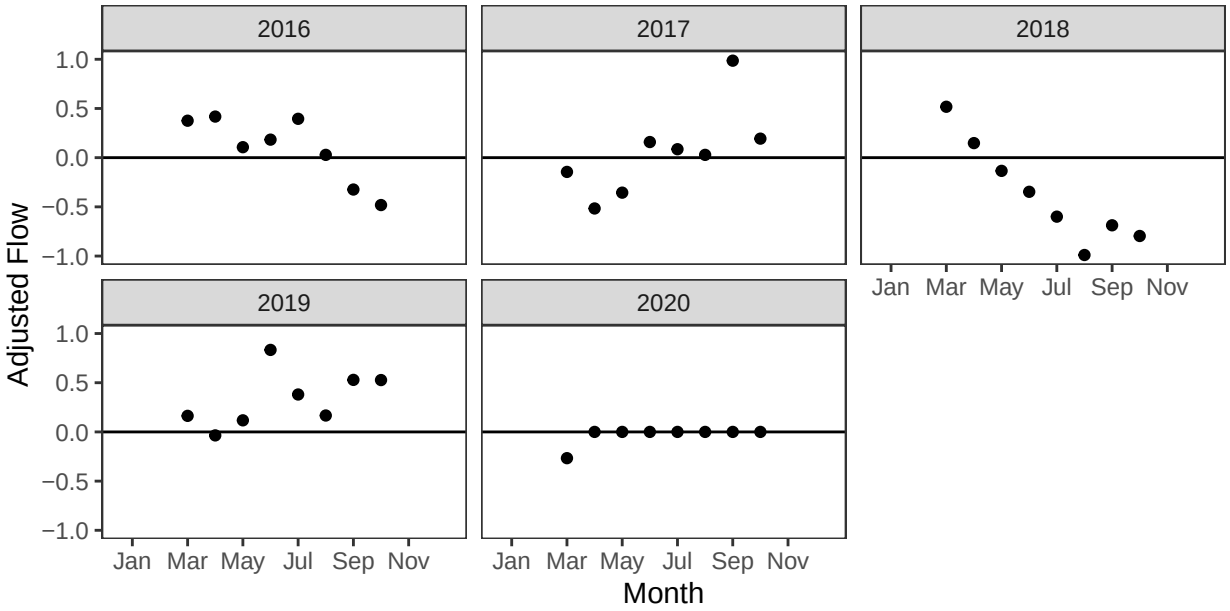
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

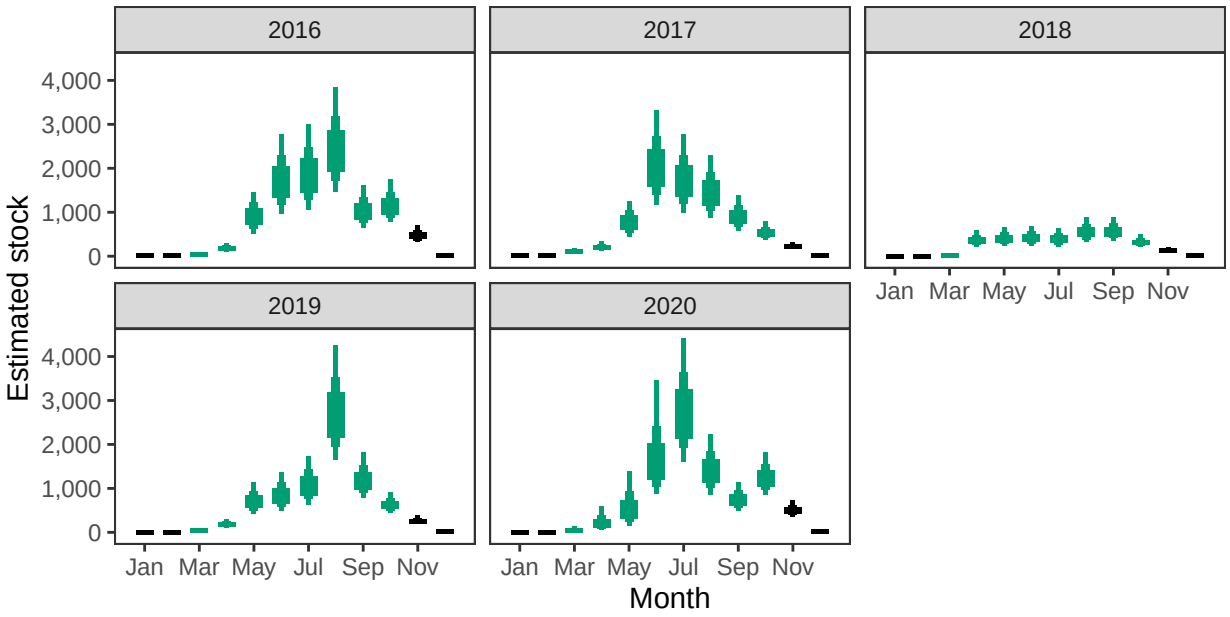
Reported Catches (black = retained, blue = released)



Monthly flow data

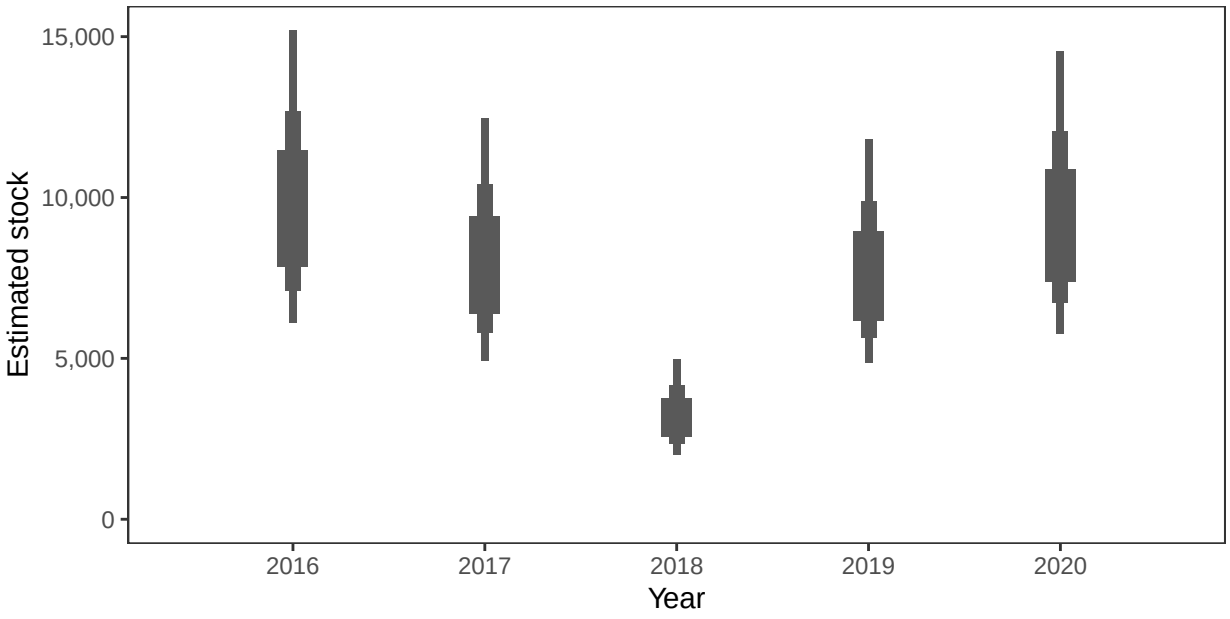


Monthly stock estimates (out of season in black)



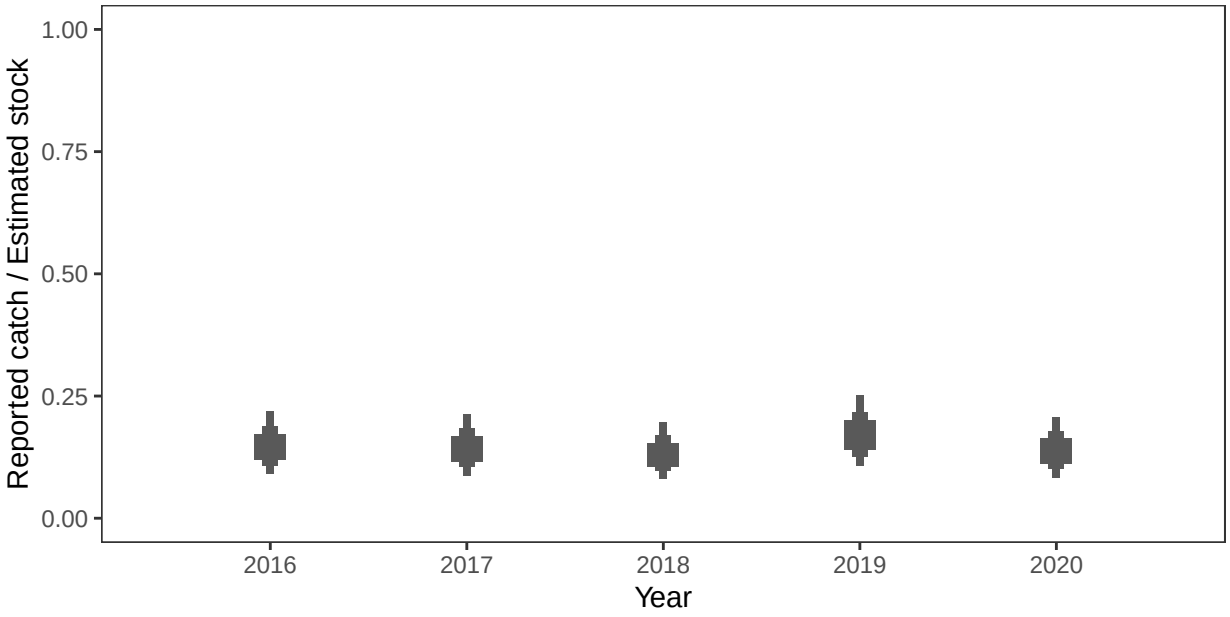
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



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

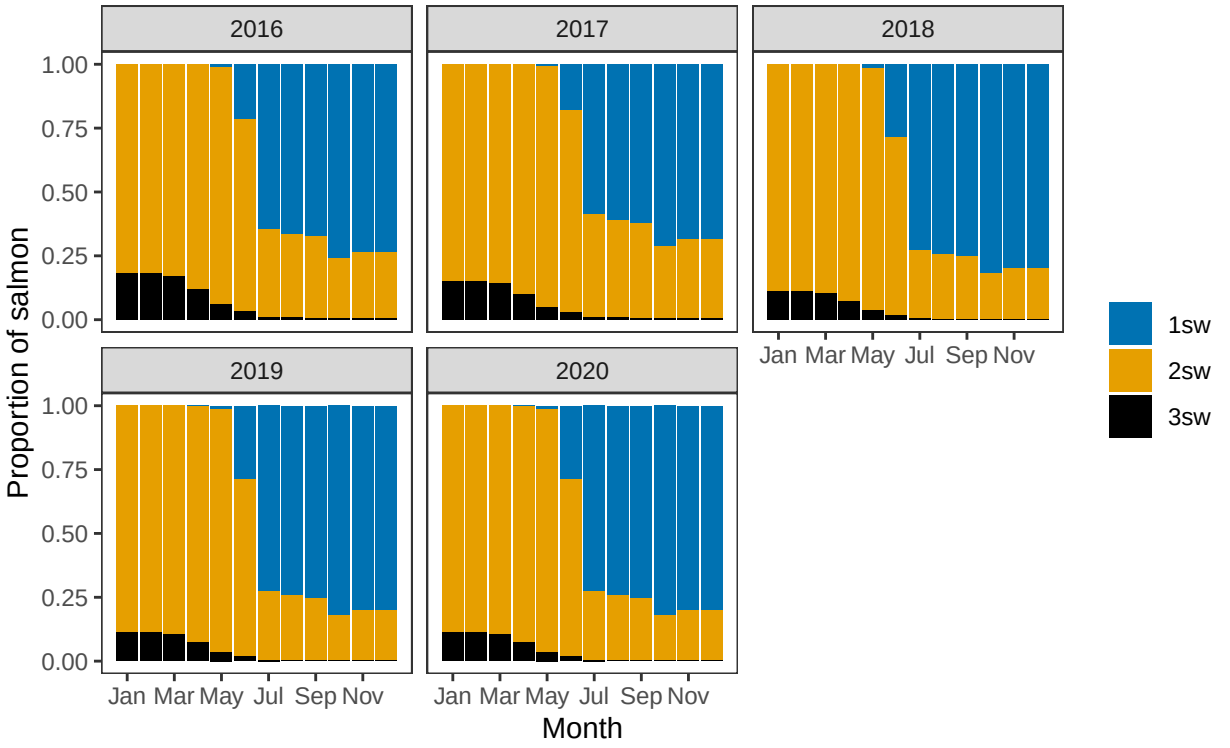
Annual catch as a proportion of stock



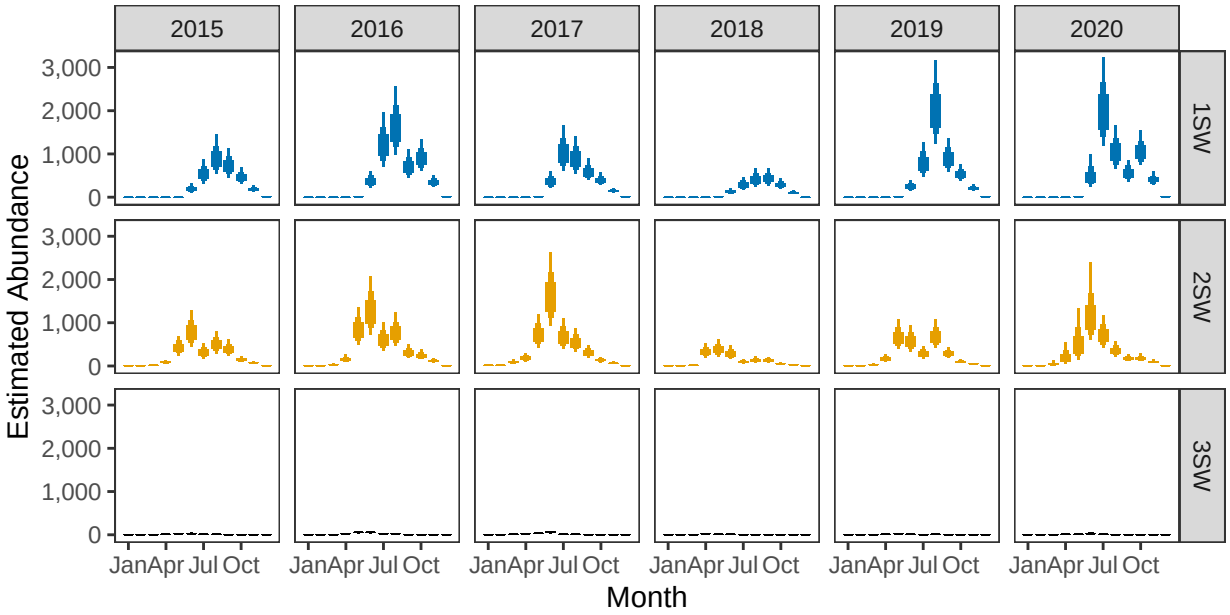
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

Ages of fish



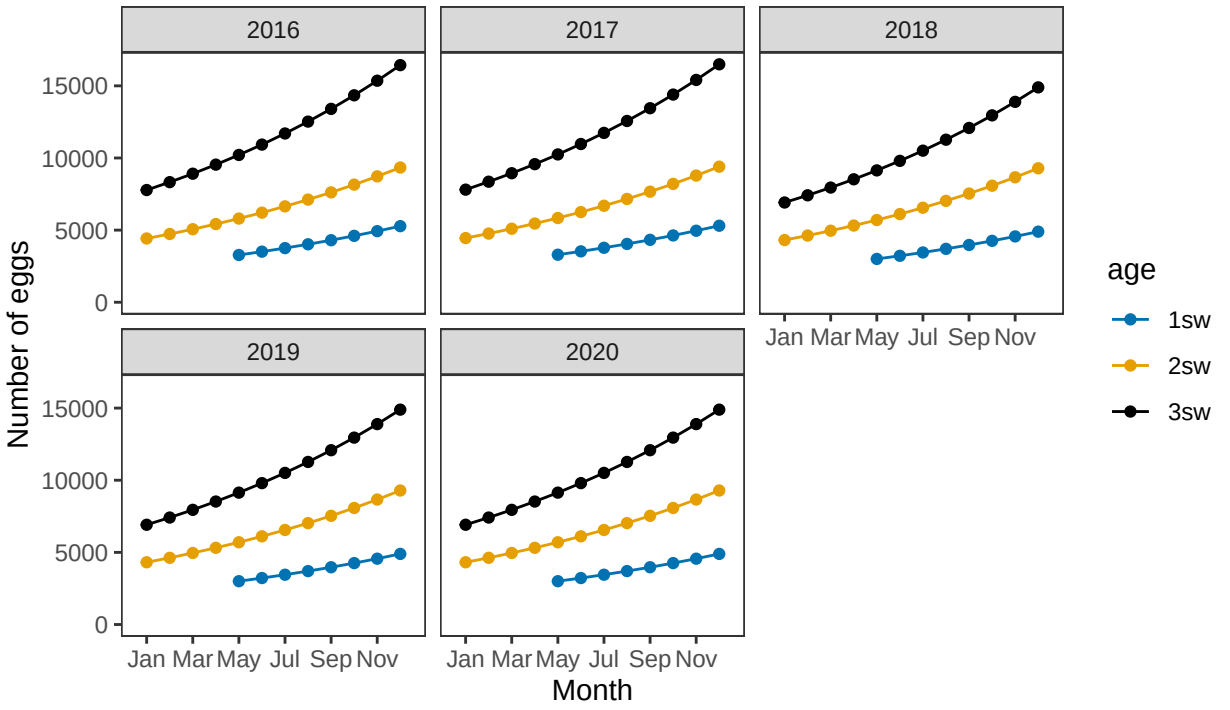
Monthly number of spawning females



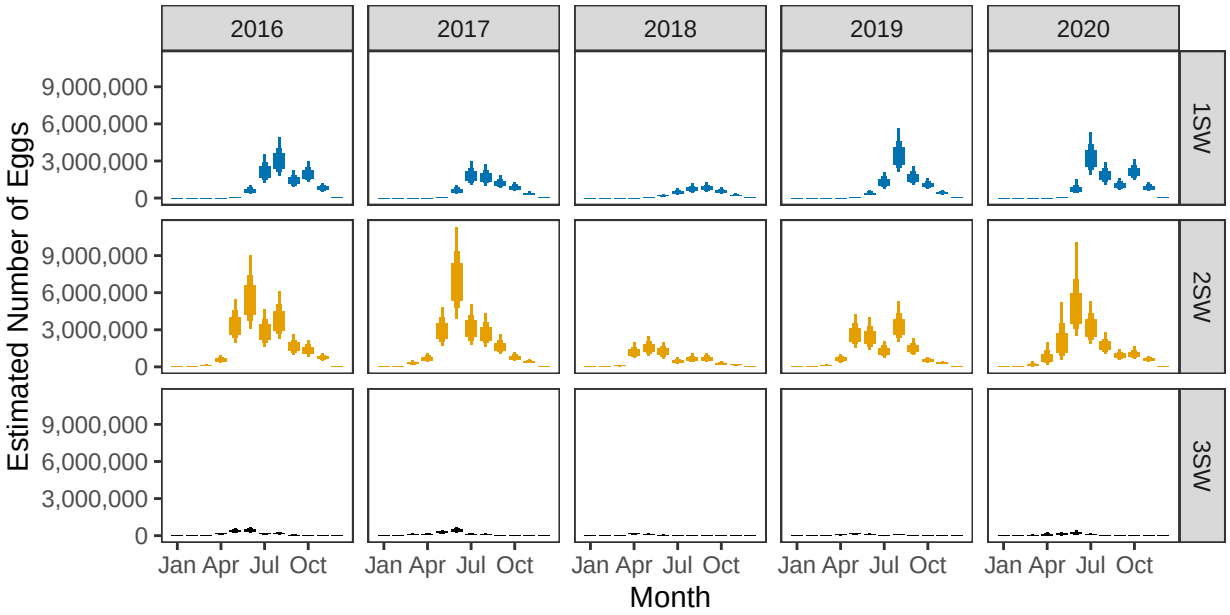
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

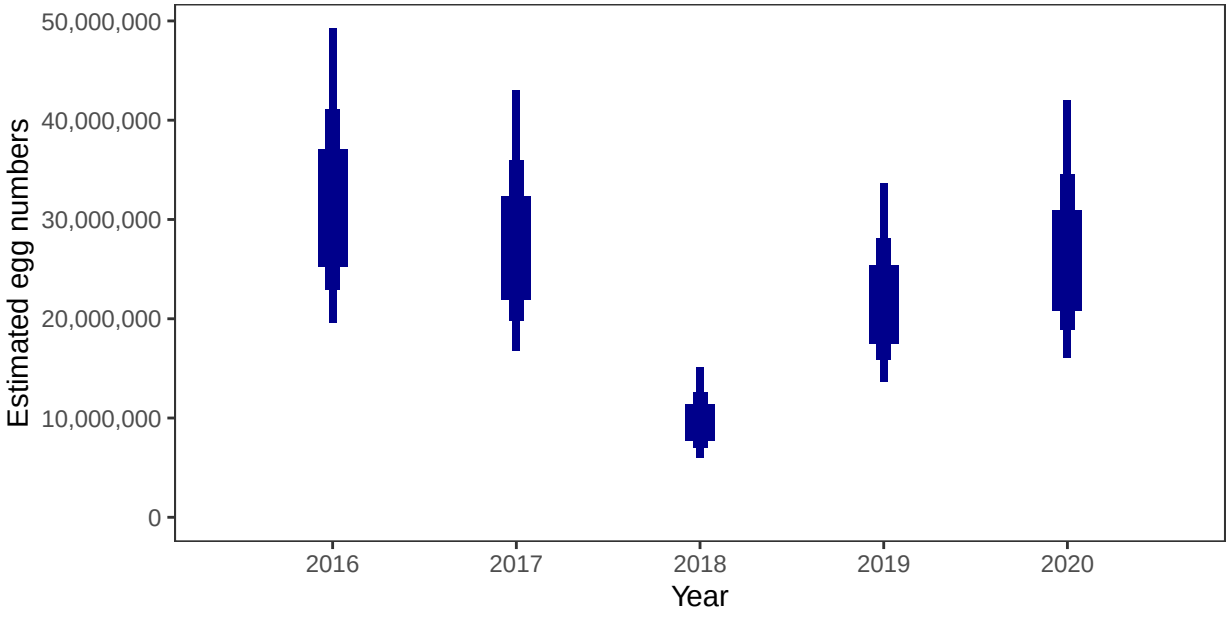


Monthly number of eggs



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

Total annual egg numbers



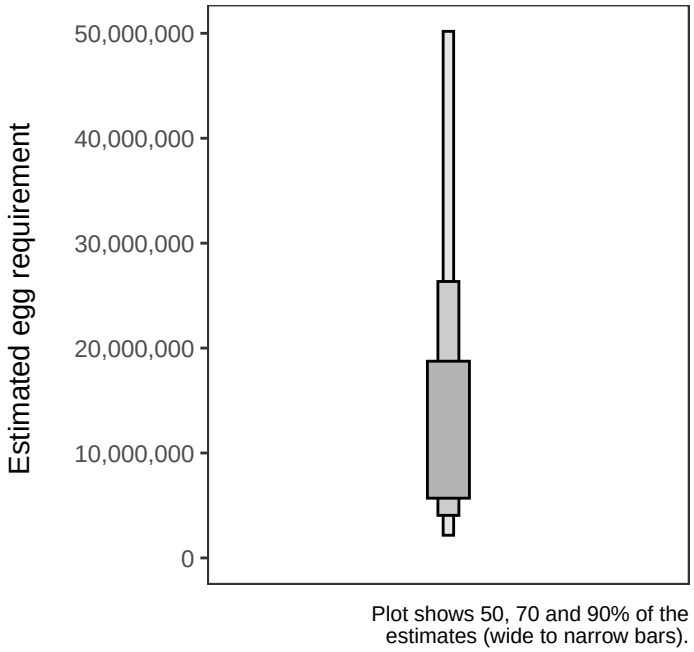
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

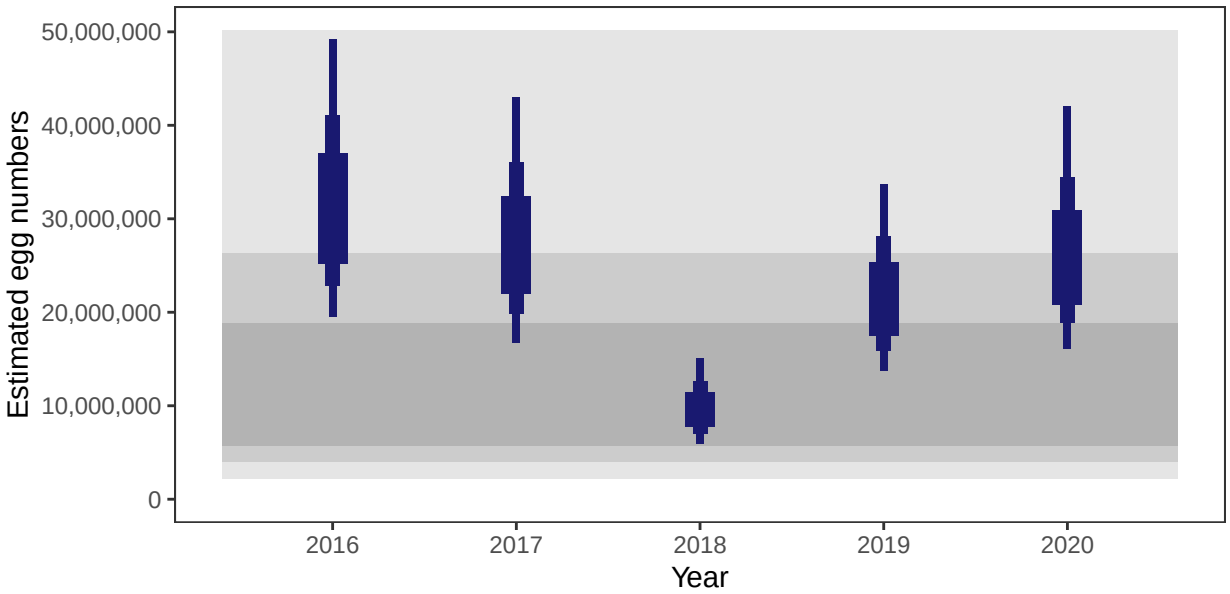
There is an estimated 3,650,998 square meters of known salmon habitat in the River Deveron and a further 297,776 square meters where salmon may be present.

Egg requirement



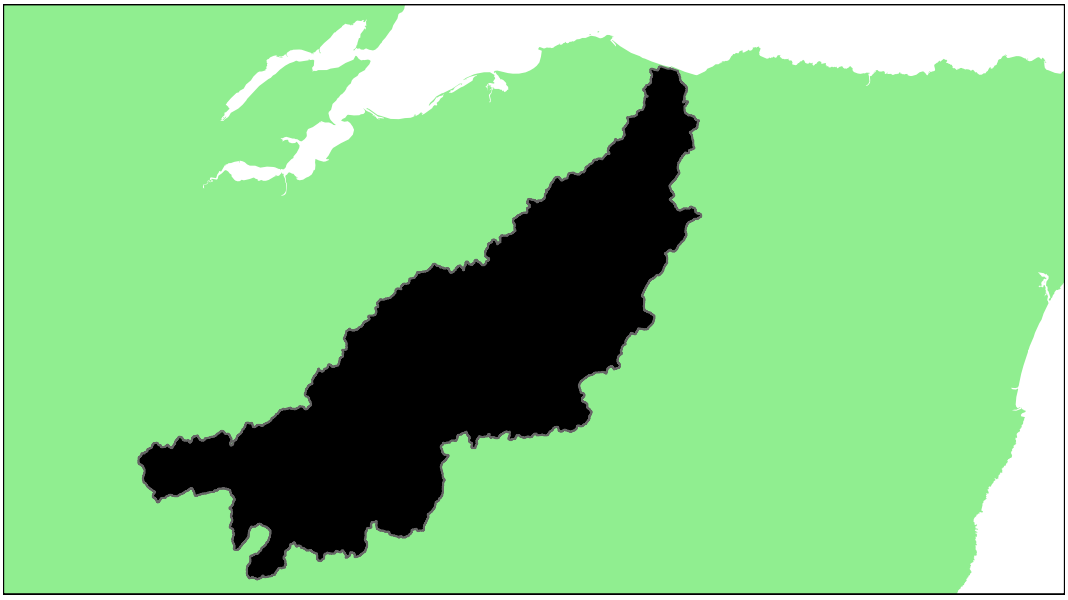
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	87.37
2017	83.97
2018	44.89
2019	77.18
2020	82.37



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 Spey SAC: Grade 1



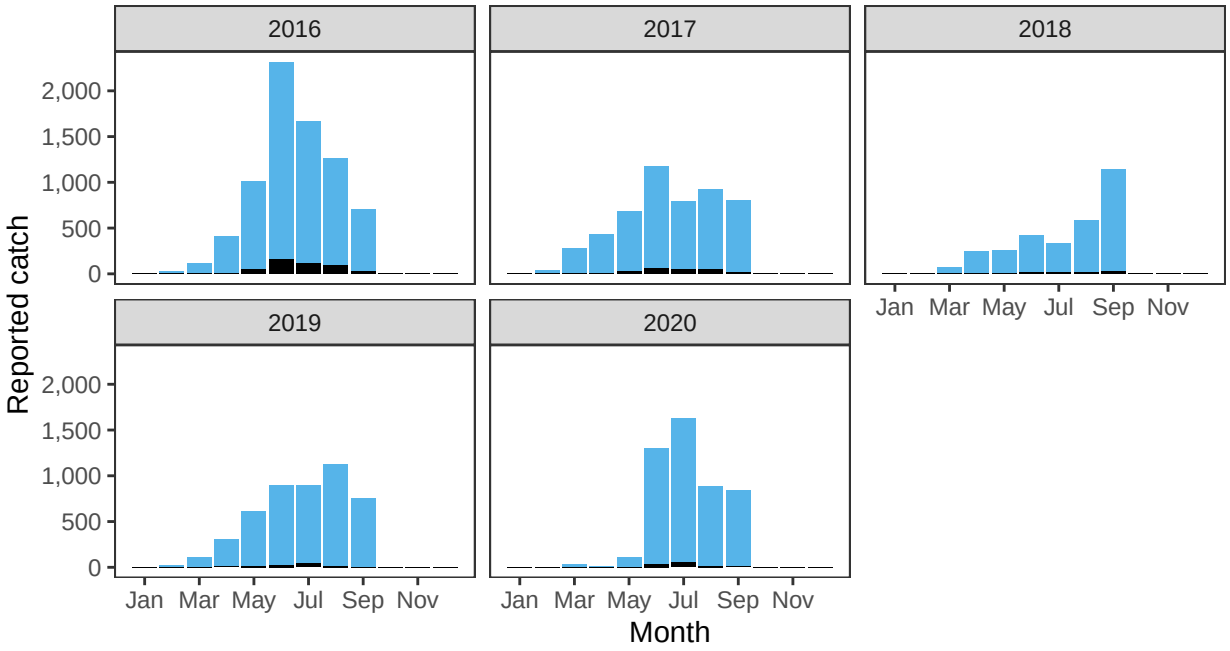
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.83	13,882,700	39,298,276	93.29	87.98	71.85	81.05	89.22	84.68	1

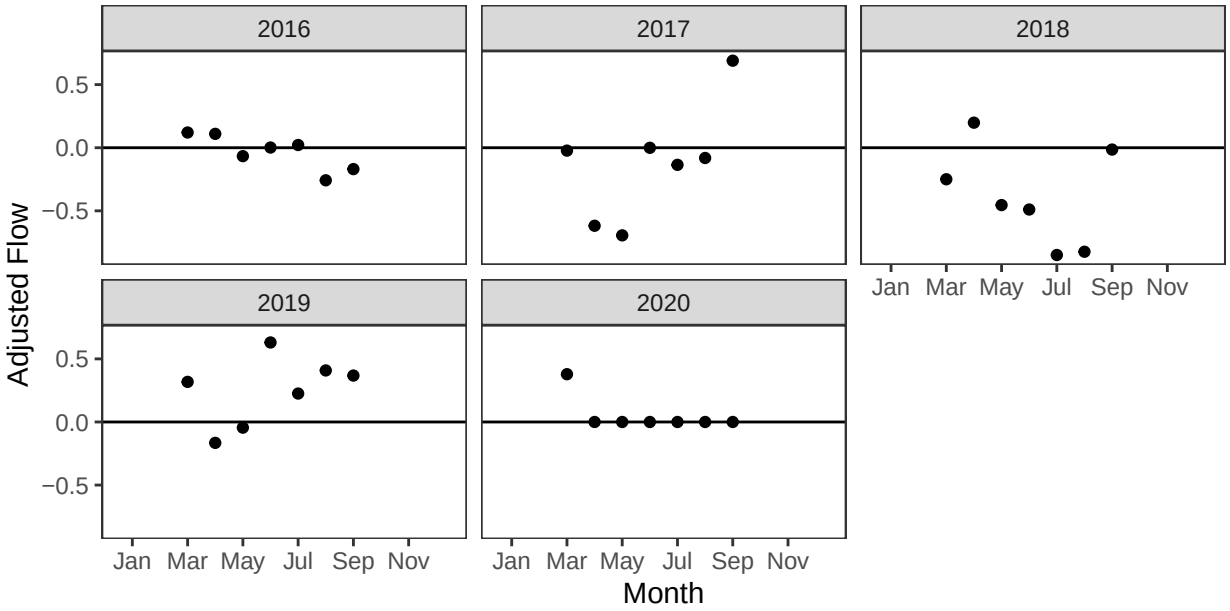
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

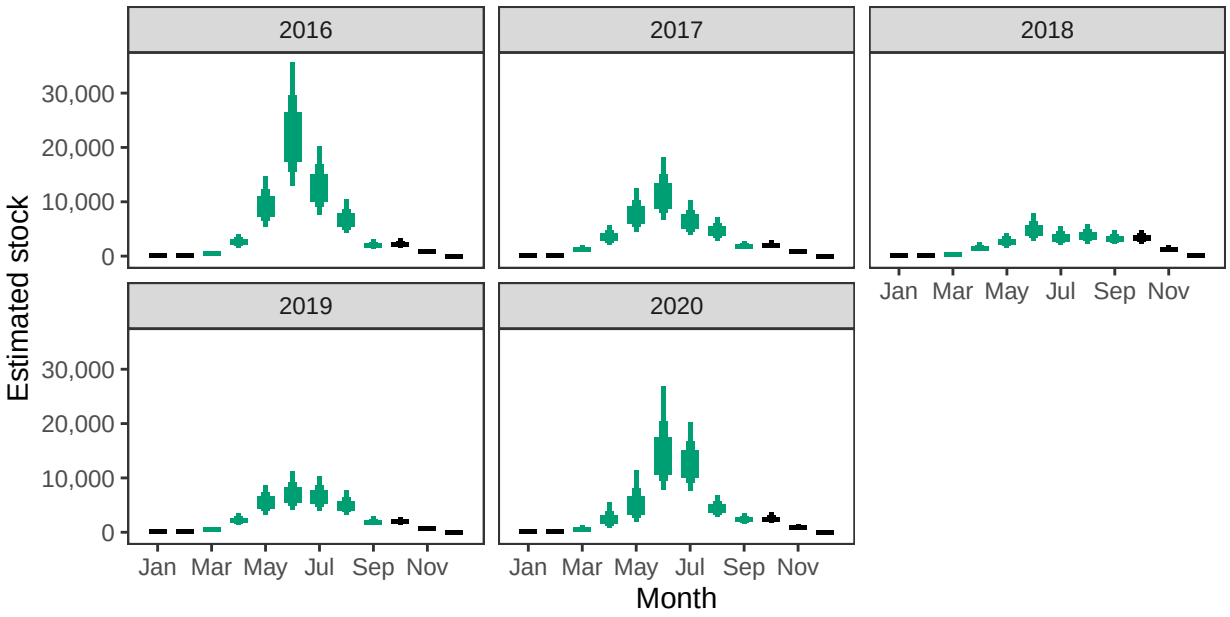
Reported Catches (black = retained, blue = released)



Monthly flow data

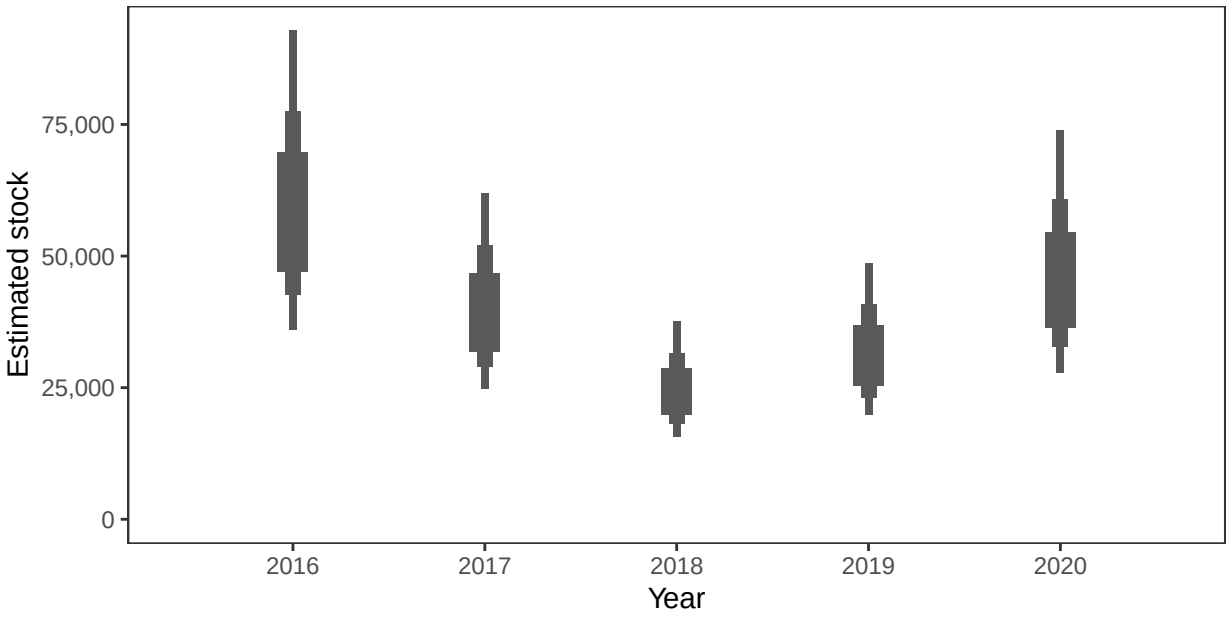


Monthly stock estimates (out of season in black)



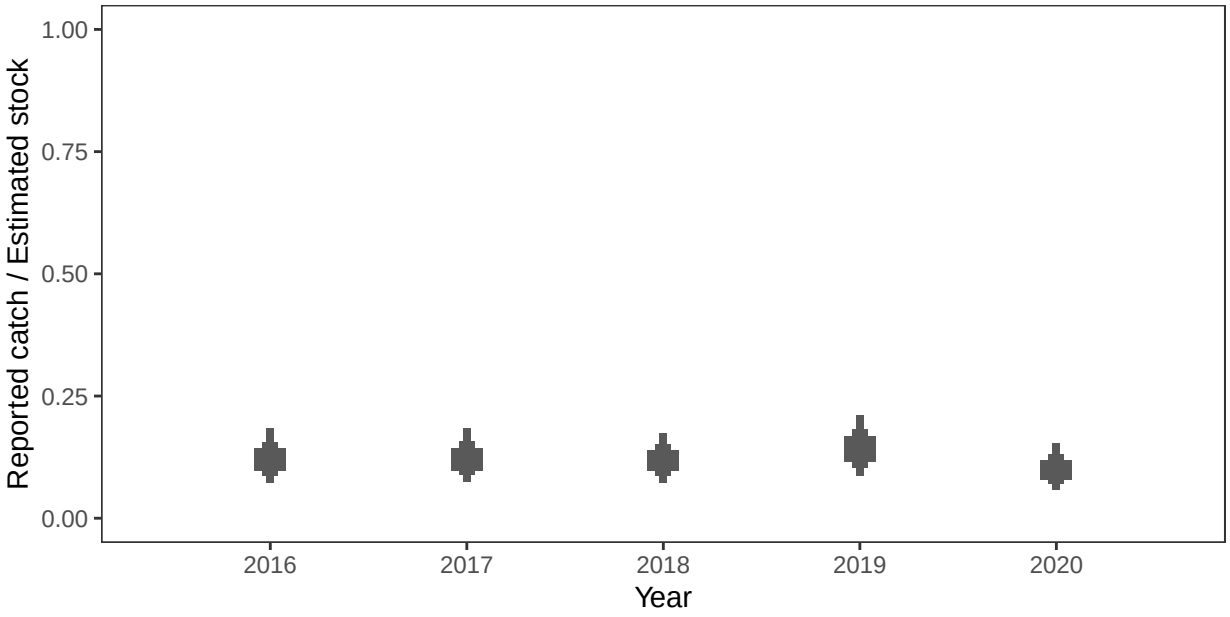
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



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

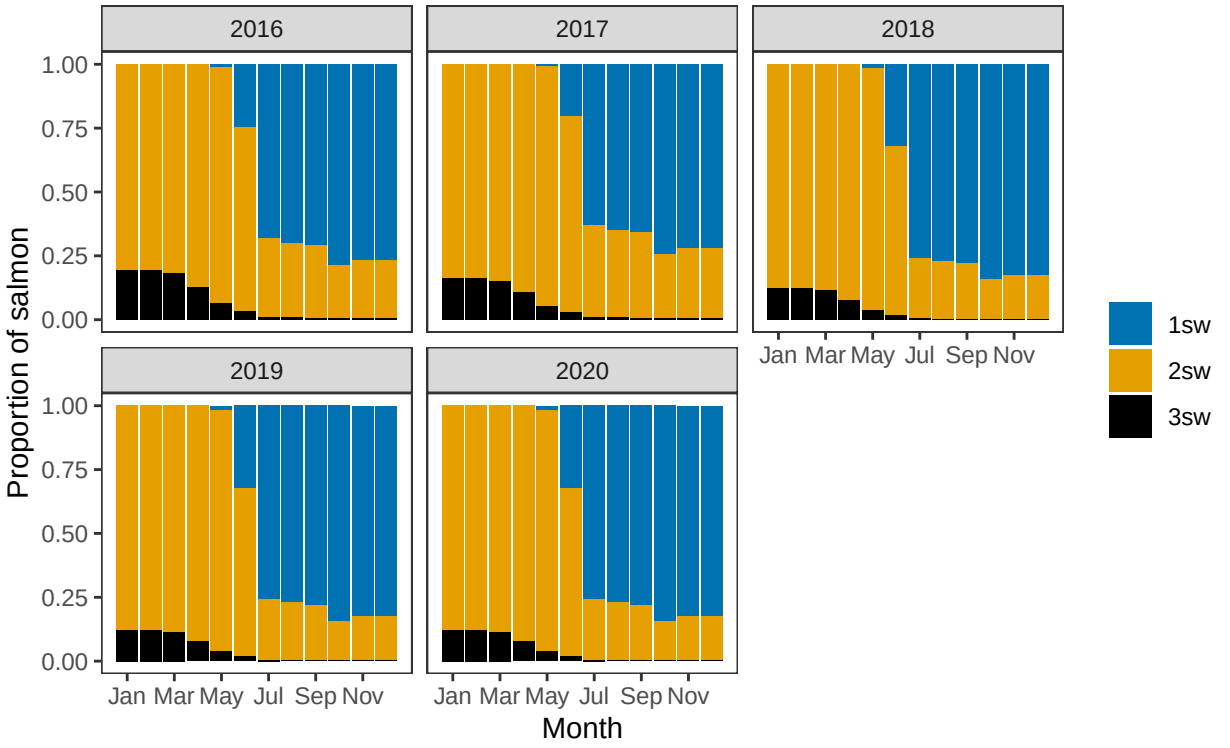
Annual catch as a proportion of stock



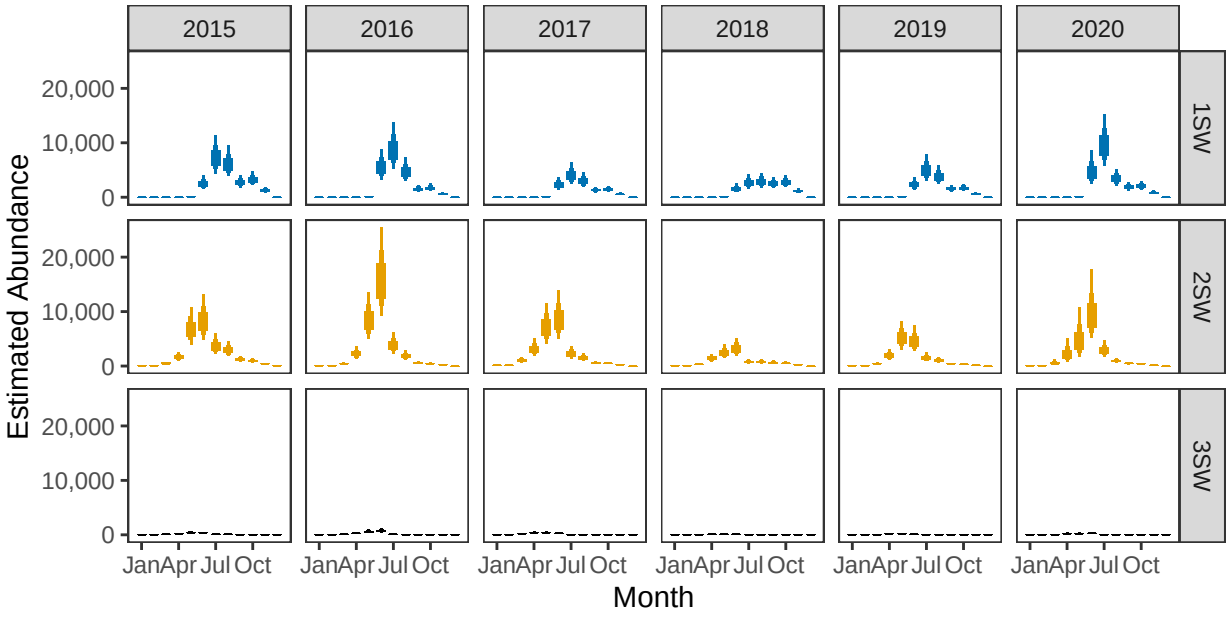
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

Ages of fish



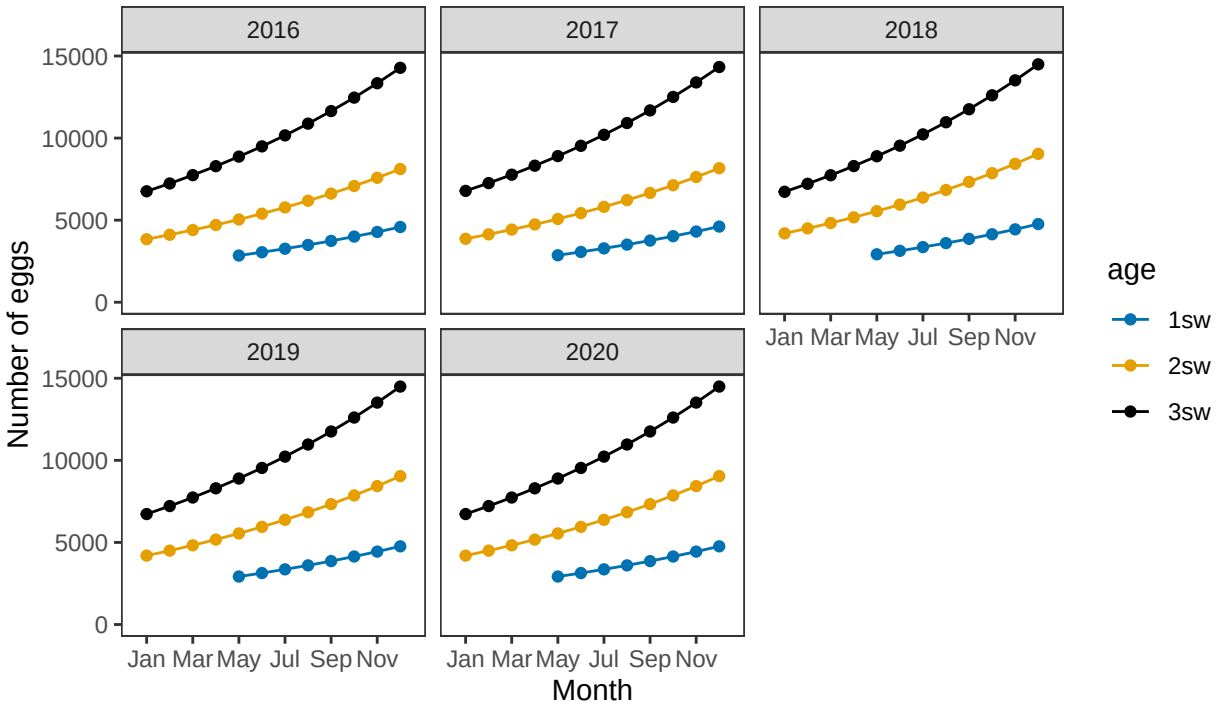
Monthly number of spawning females



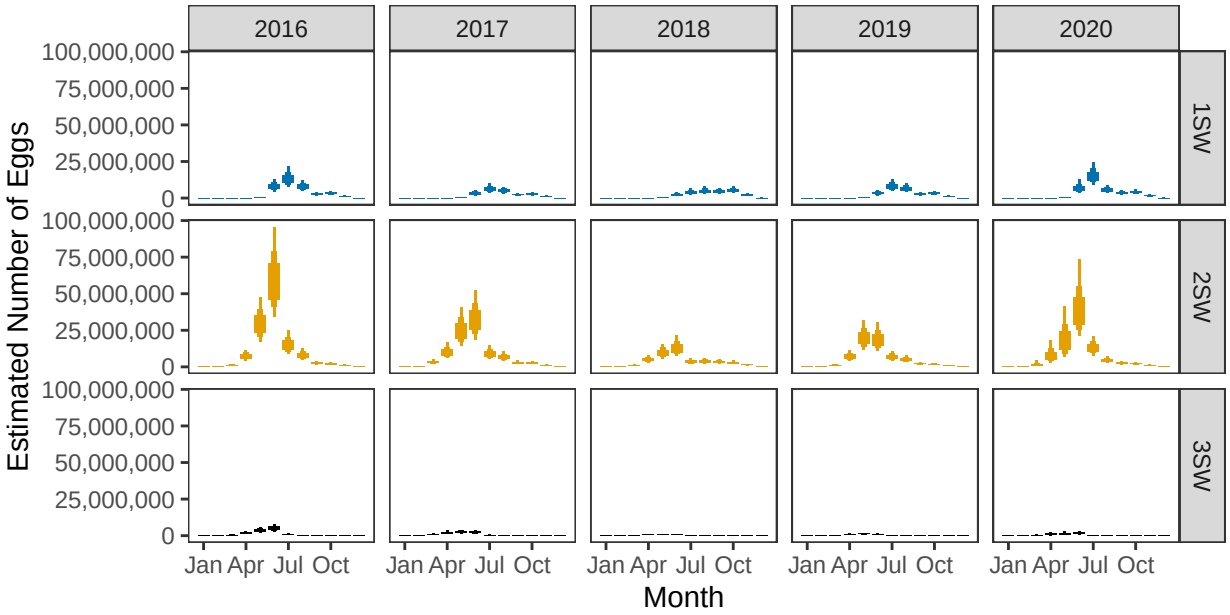
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

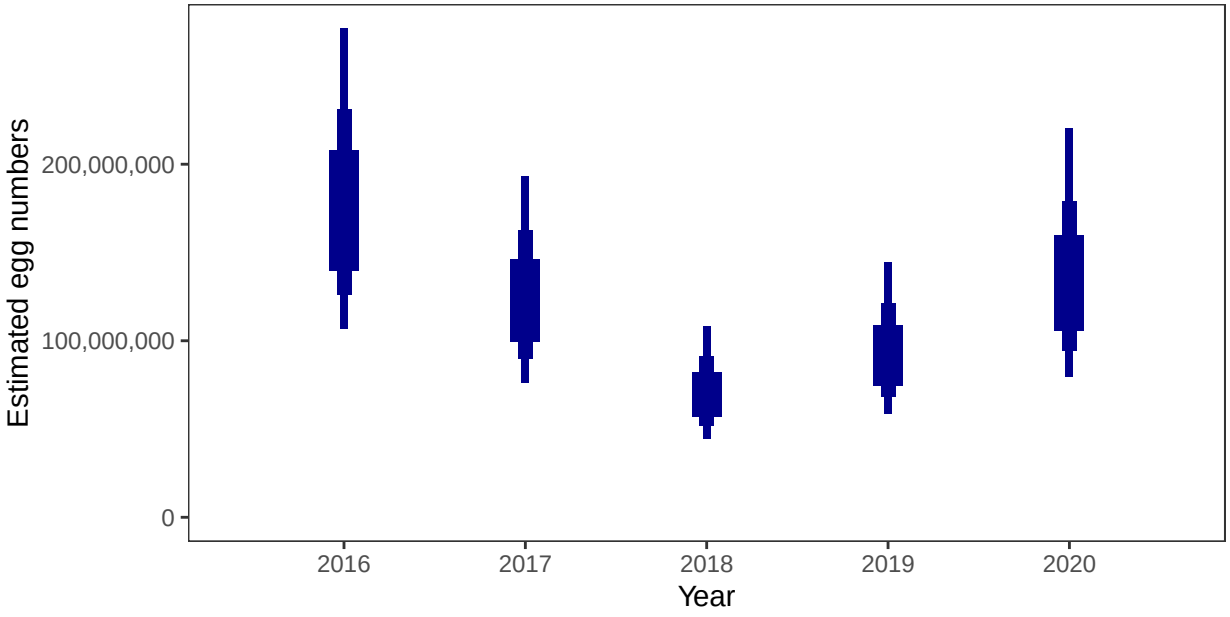


Monthly number of eggs



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

Total annual egg numbers



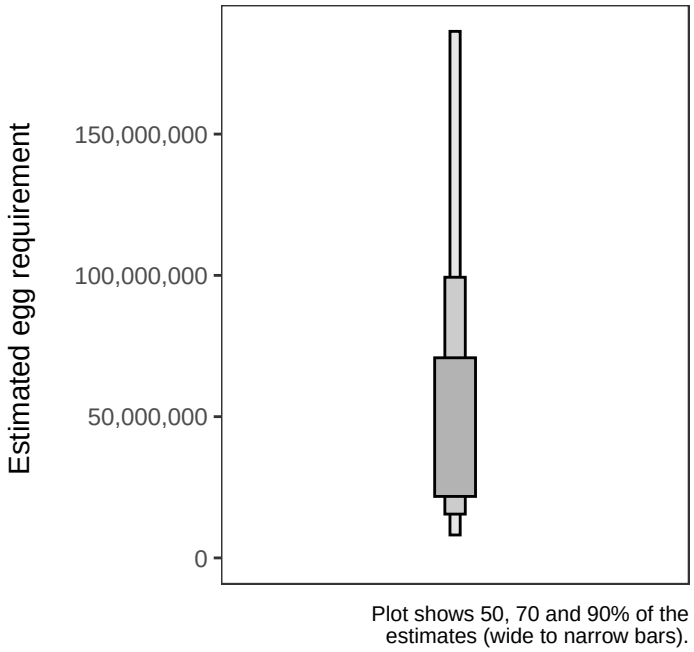
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

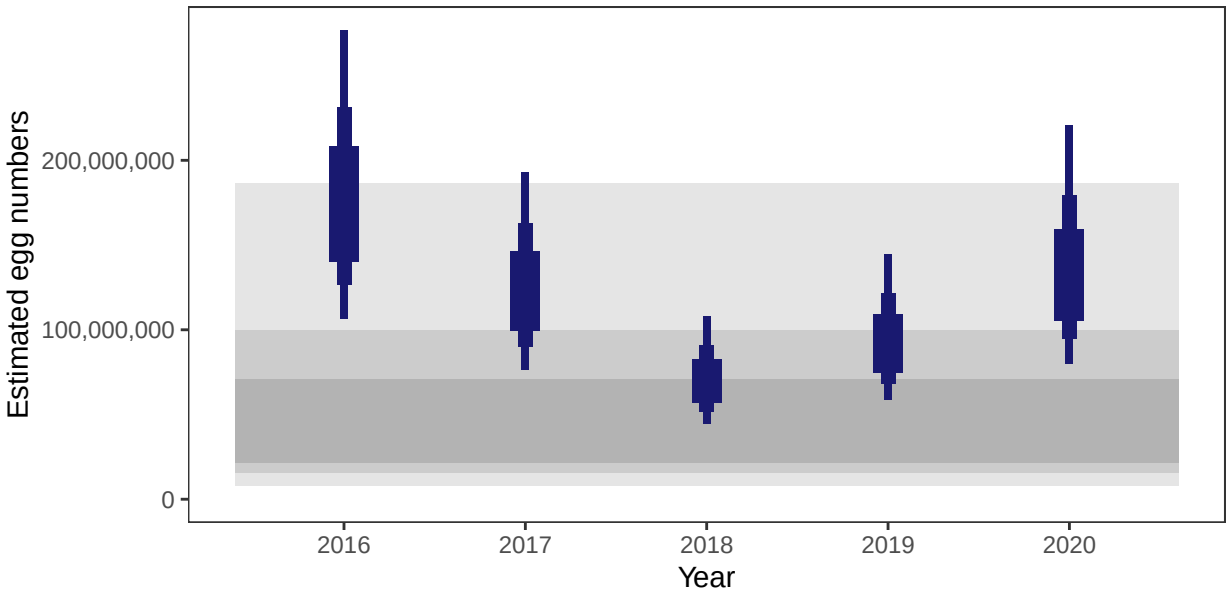
There is an estimated 14,896,015 square meters of known salmon habitat in the River Spey SAC and a further 879,789 square meters where salmon may be present.

Egg requirement



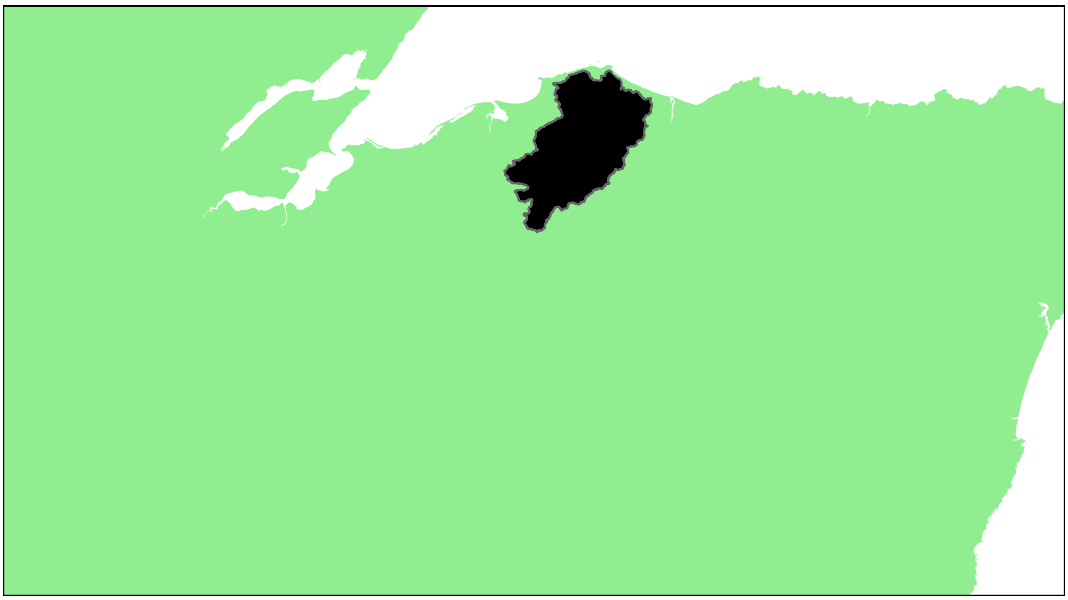
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	93.29
2017	87.98
2018	71.85
2019	81.05
2020	89.22



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 Lossie: Grade 3



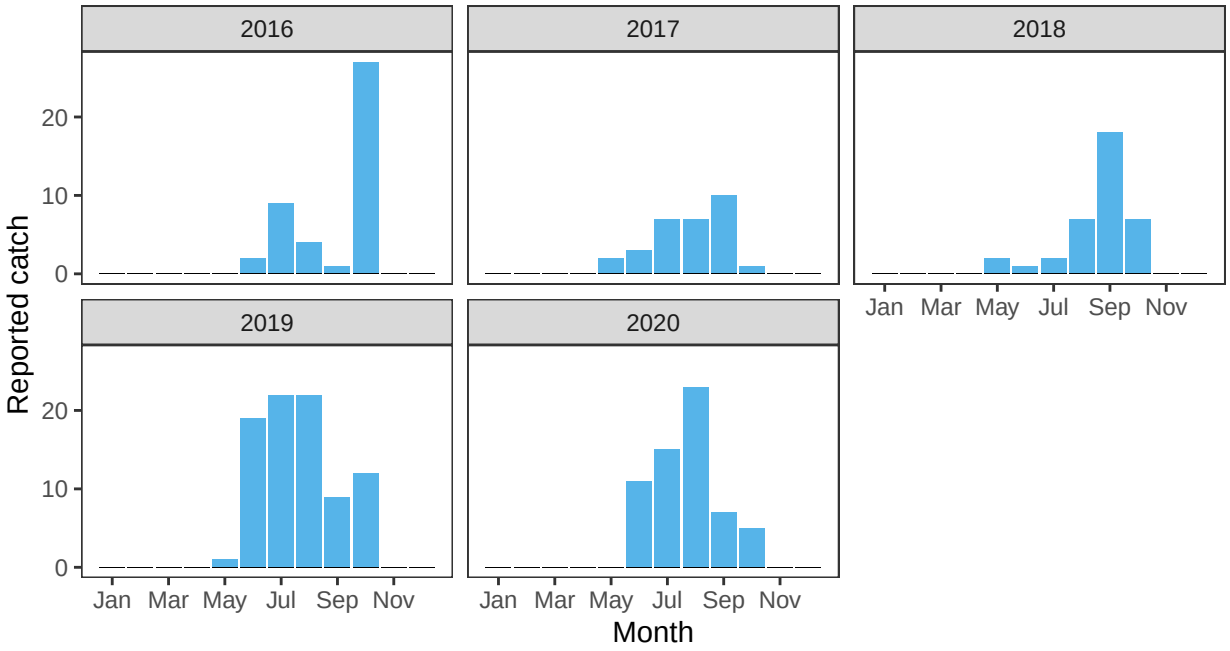
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
1.68	687,300	1,158,094	28.49	28.7	24.51	60.69	60.49	40.58	3

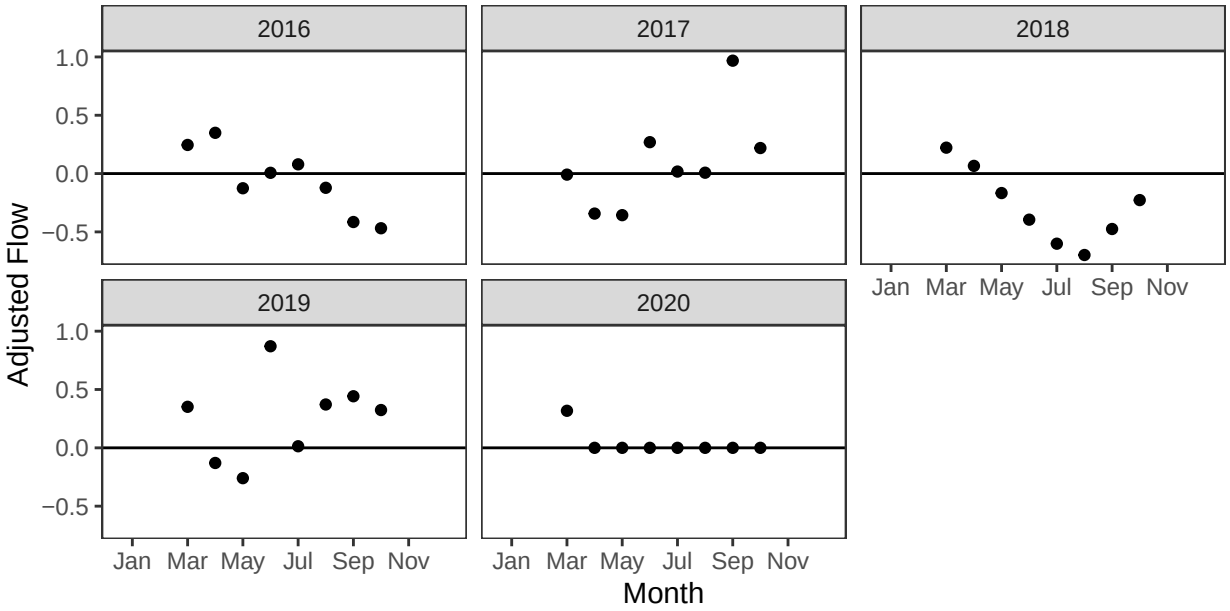
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

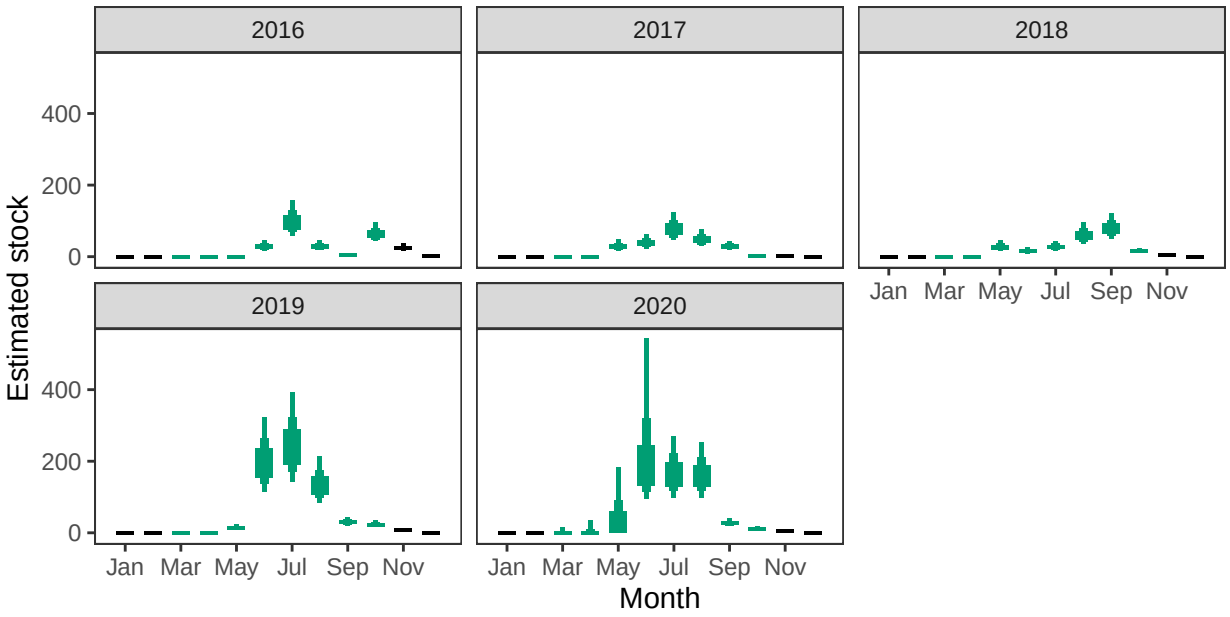
Reported Catches (black = retained, blue = released)



Monthly flow data

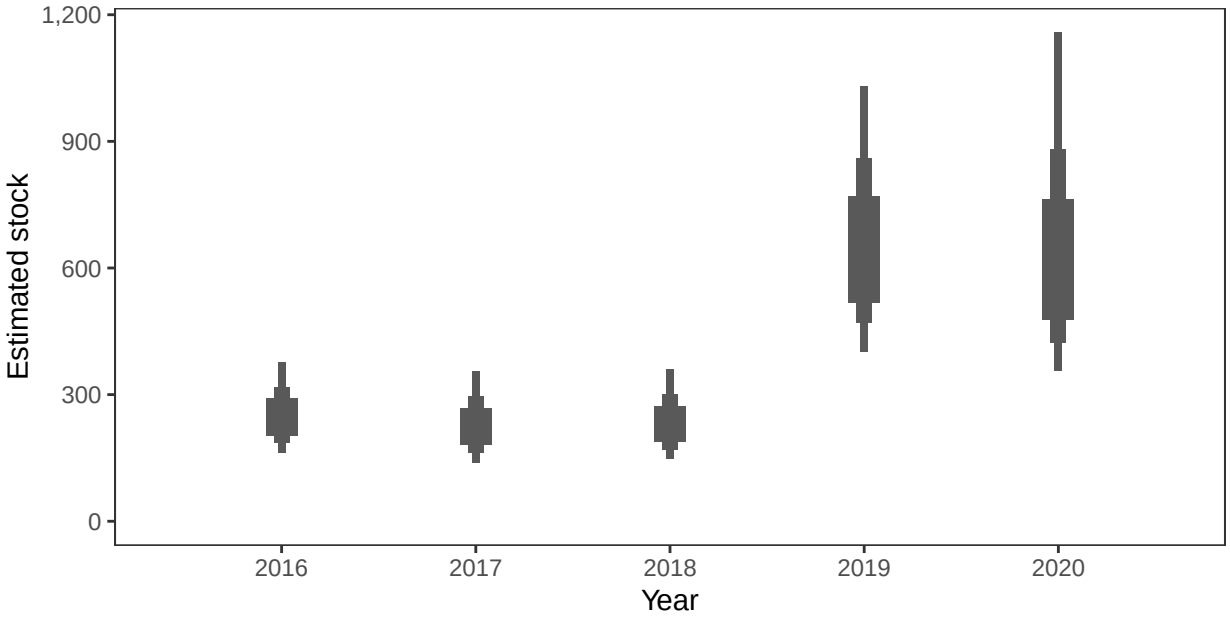


Monthly stock estimates (out of season in black)



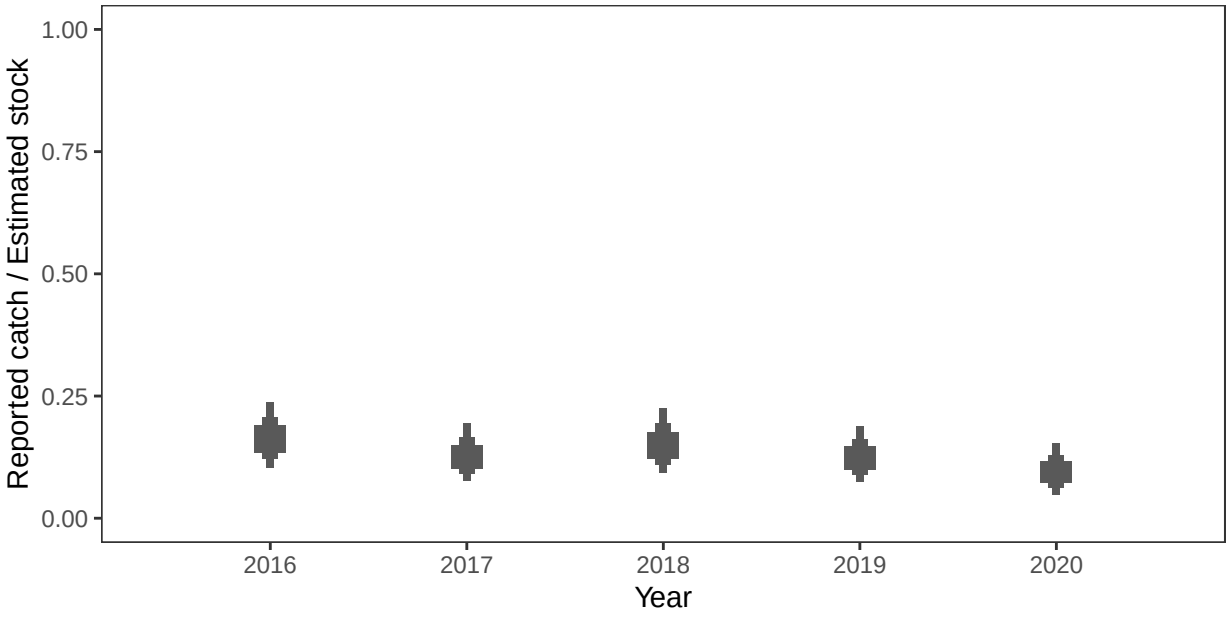
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



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

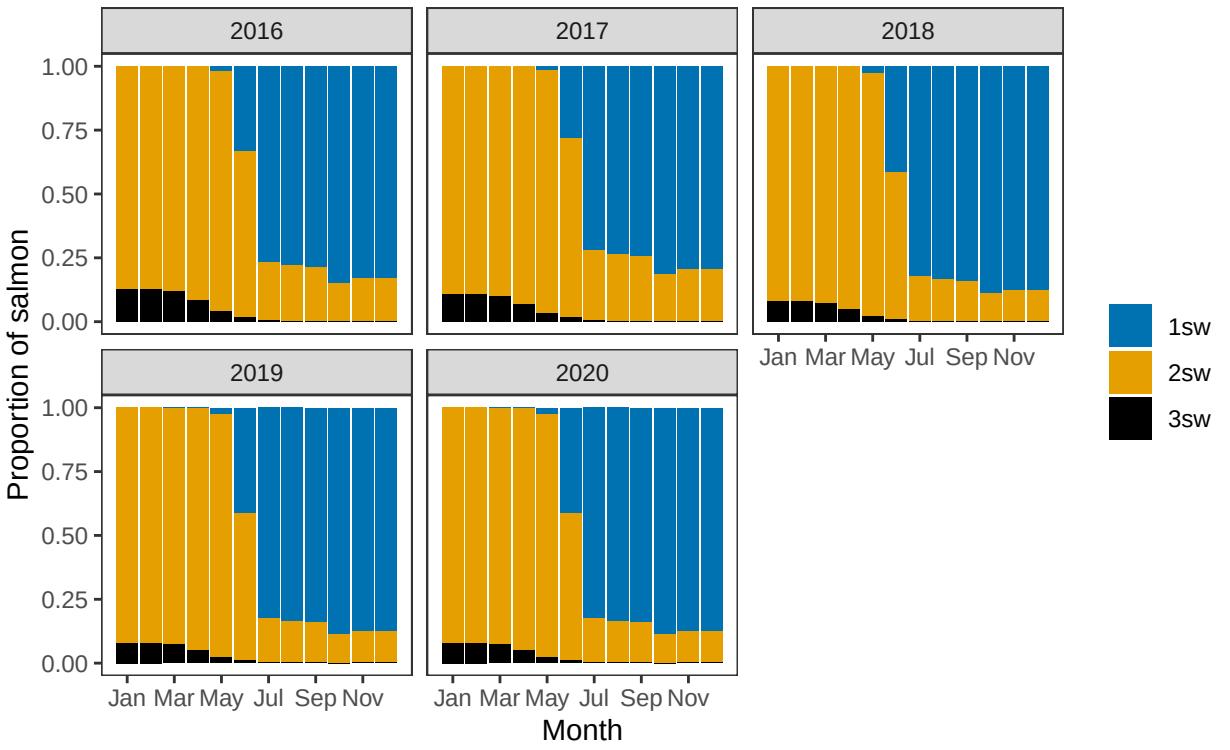
Annual catch as a proportion of stock



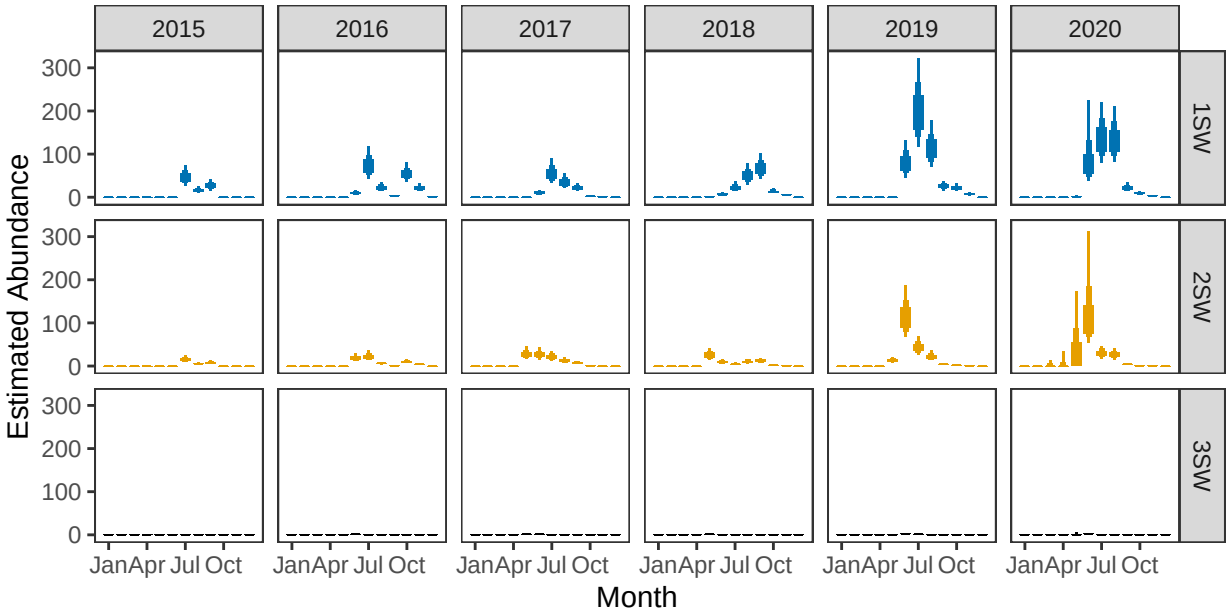
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

Ages of fish



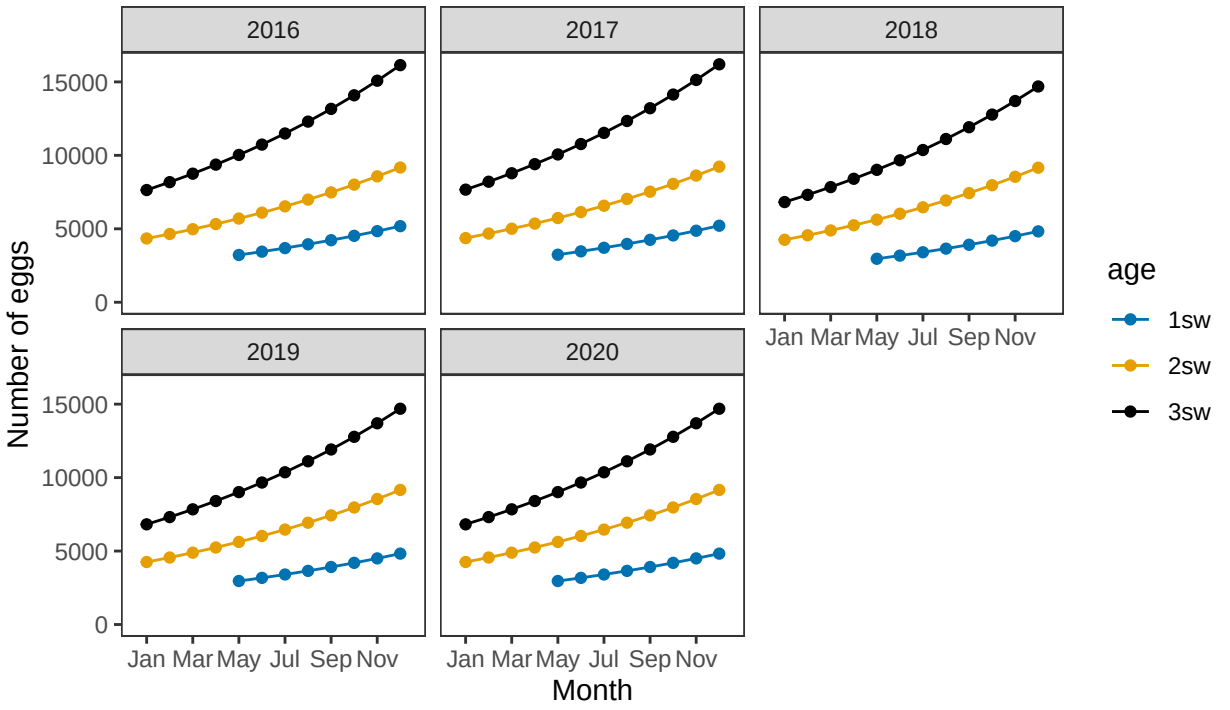
Monthly number of spawning females



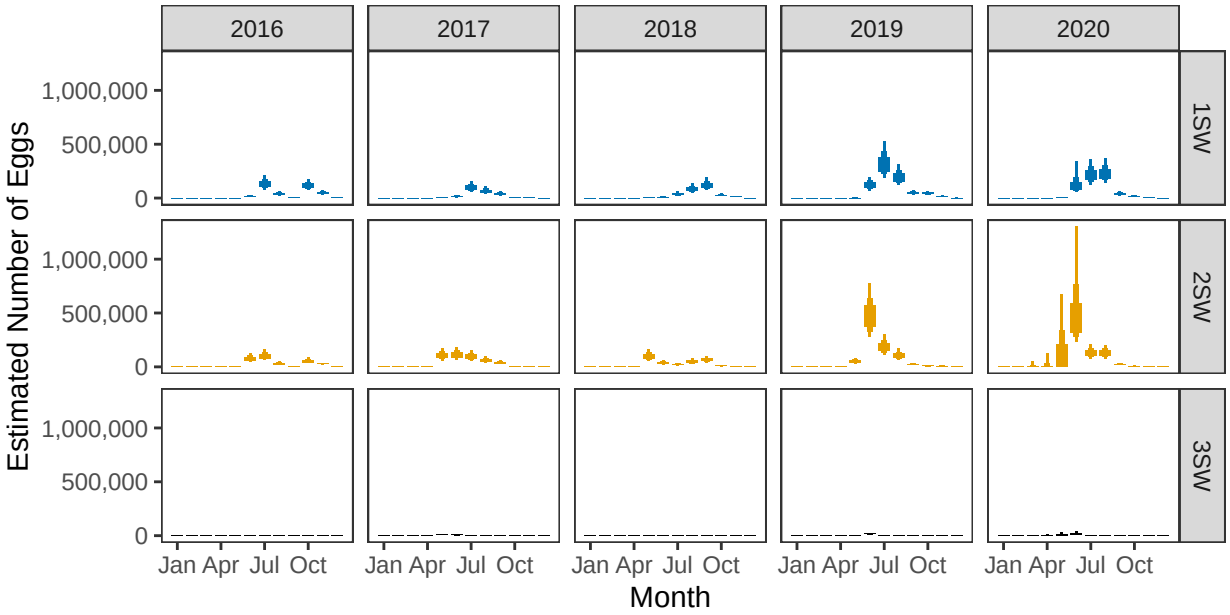
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

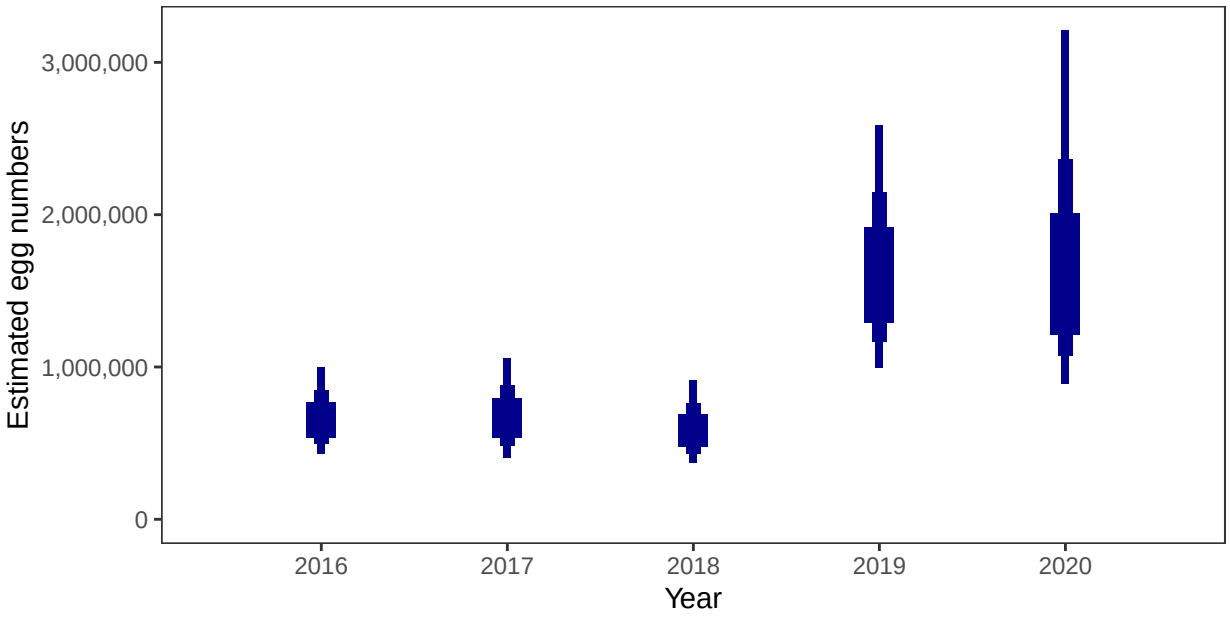


Monthly number of eggs



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

Total annual egg numbers



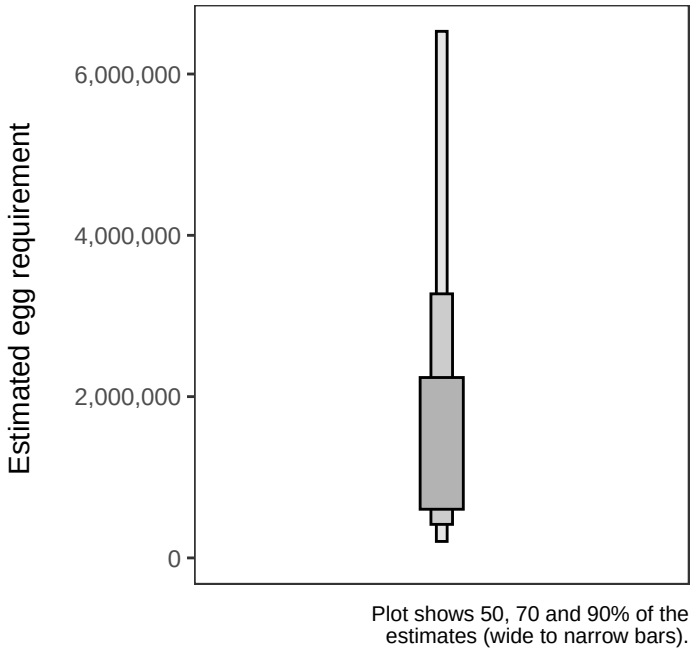
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

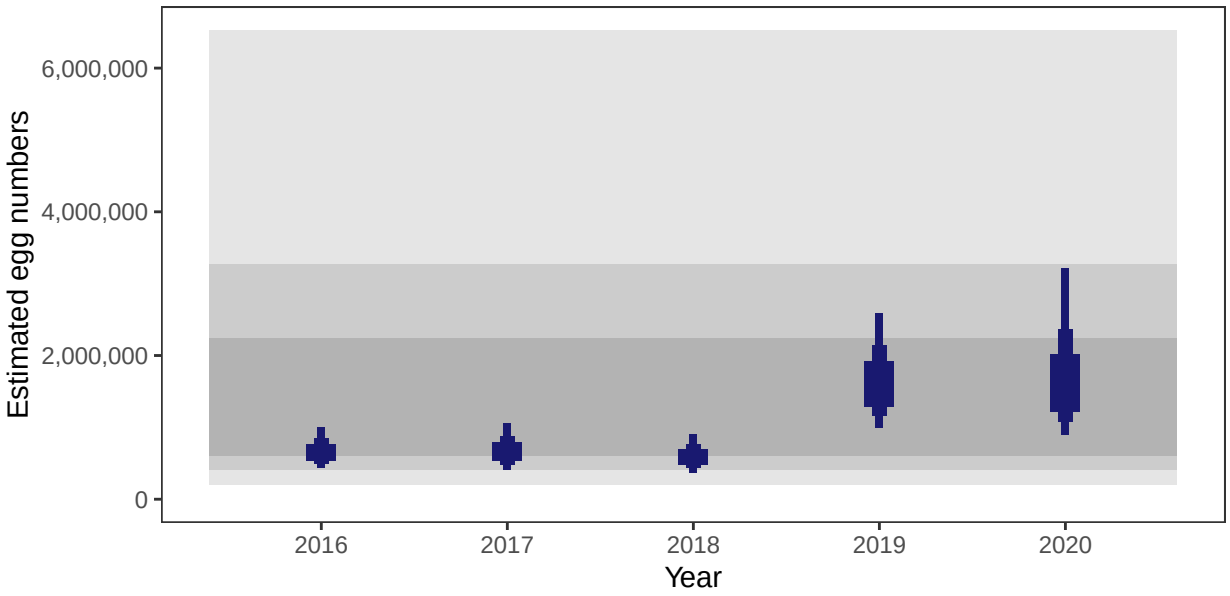
There is an estimated 689,934 square meters of known salmon habitat in the River Lossie and a further 91,099 square meters where salmon may be present.

Egg requirement



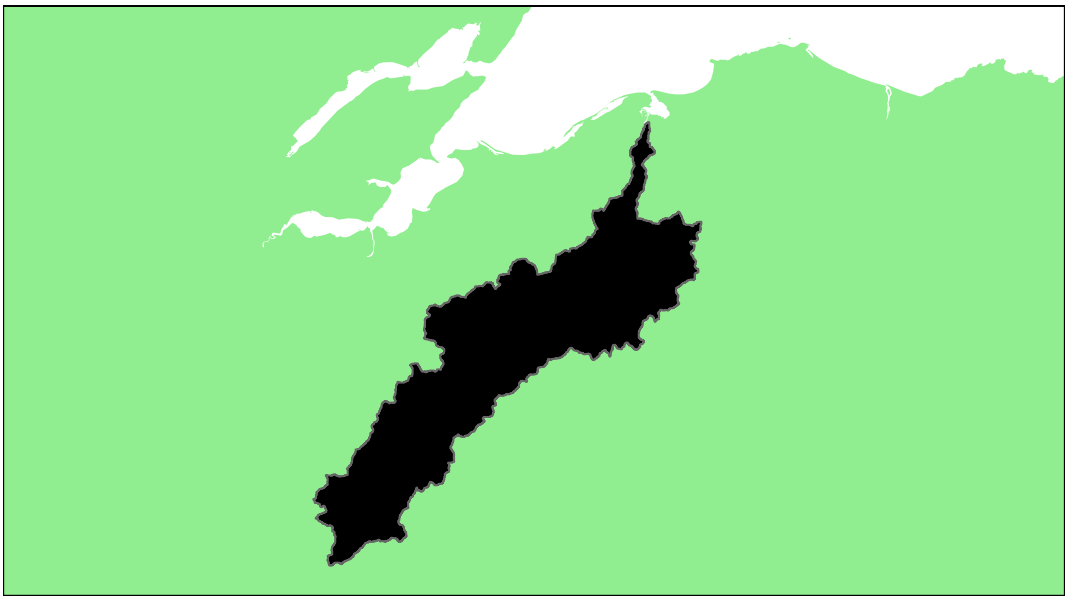
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	28.49
2017	28.70
2018	24.51
2019	60.69
2020	60.49



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 Findhorn: Grade 1



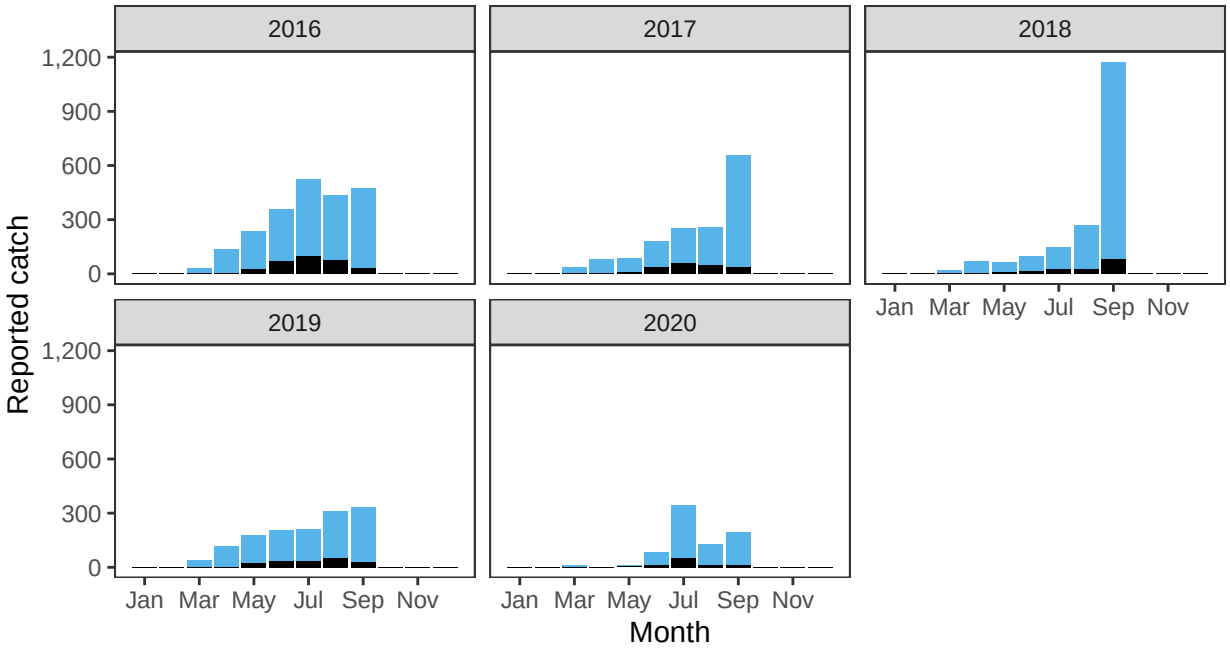
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.72	3,323,300	9,048,754	97.3	94.75	94.93	91.76	91.56	94.06	1

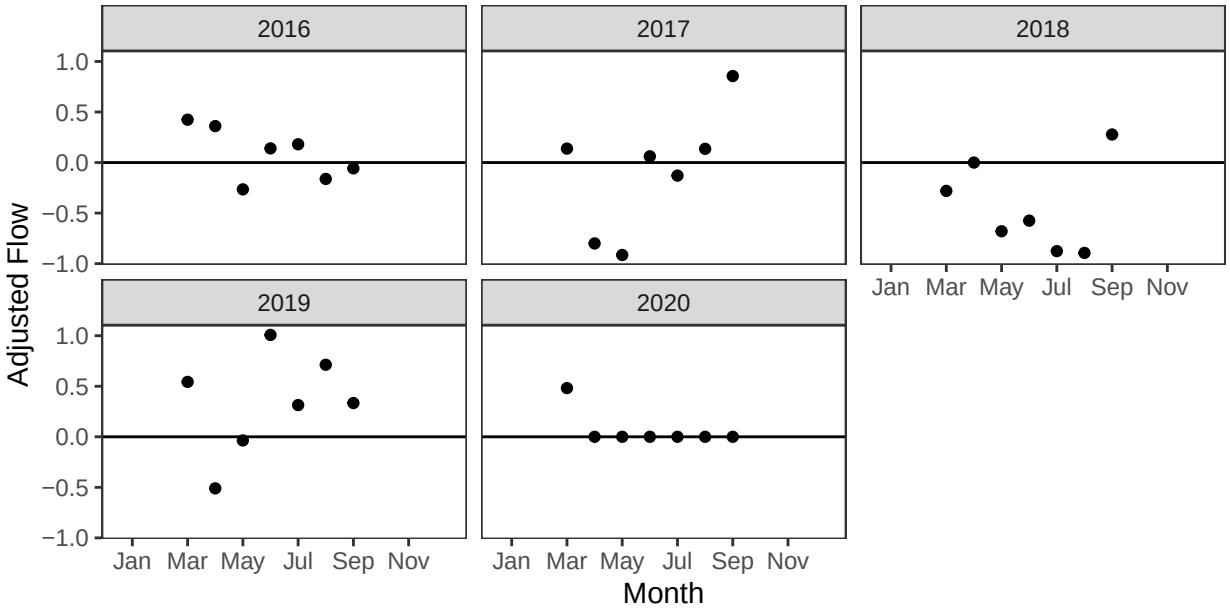
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

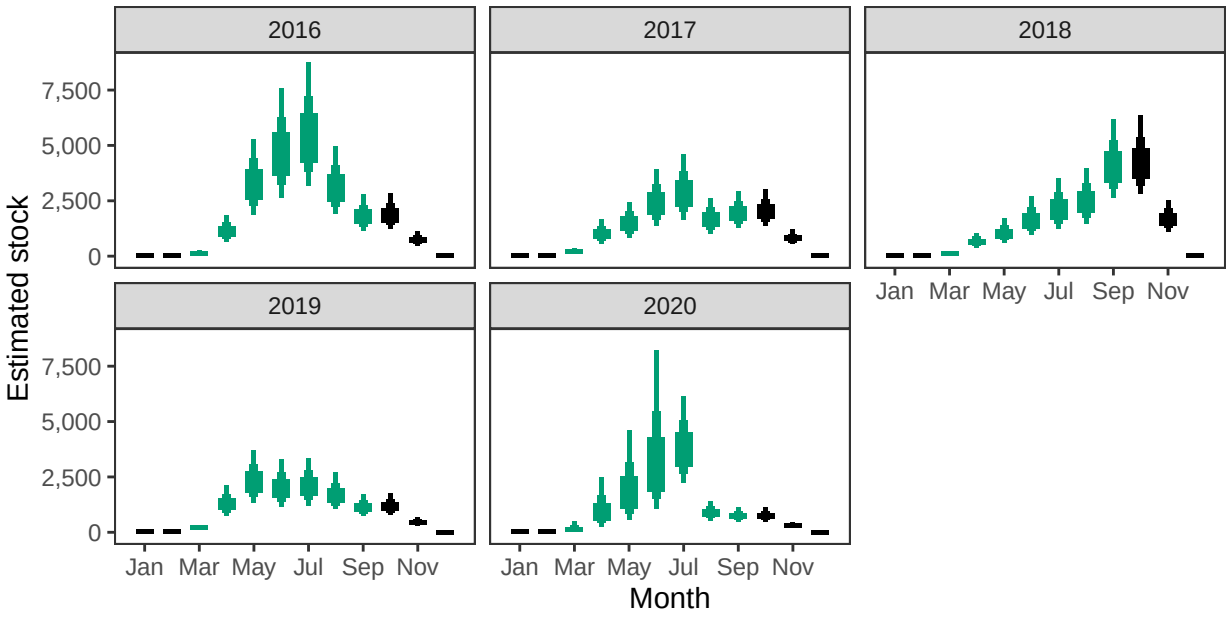
Reported Catches (black = retained, blue = released)



Monthly flow data

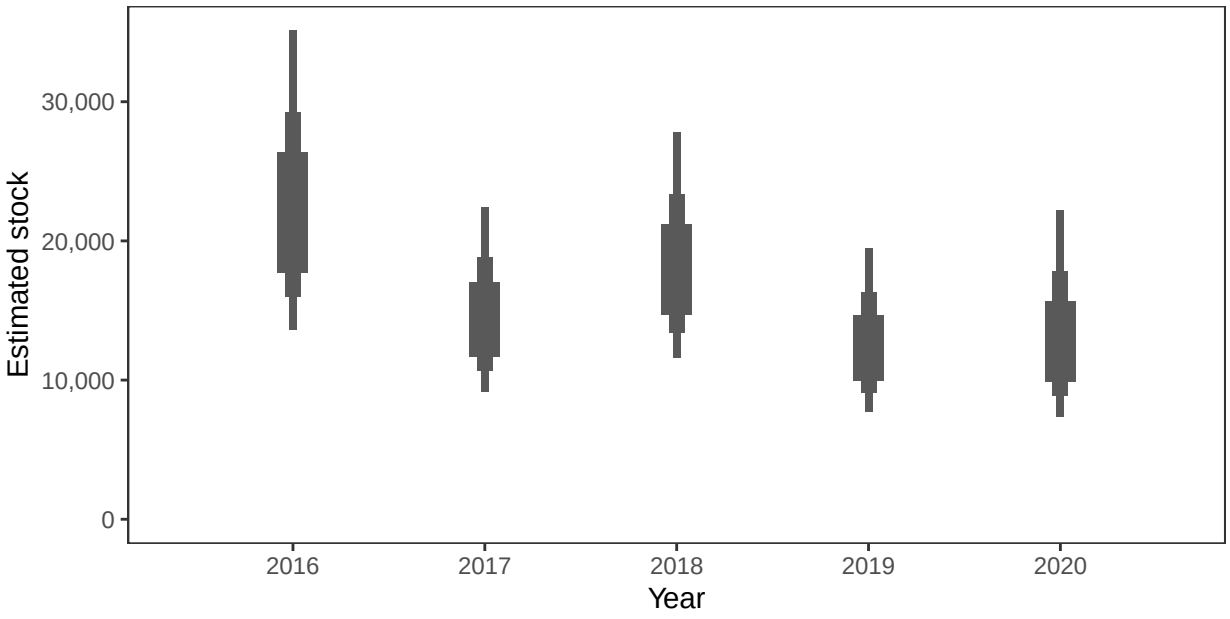


Monthly stock estimates (out of season in black)



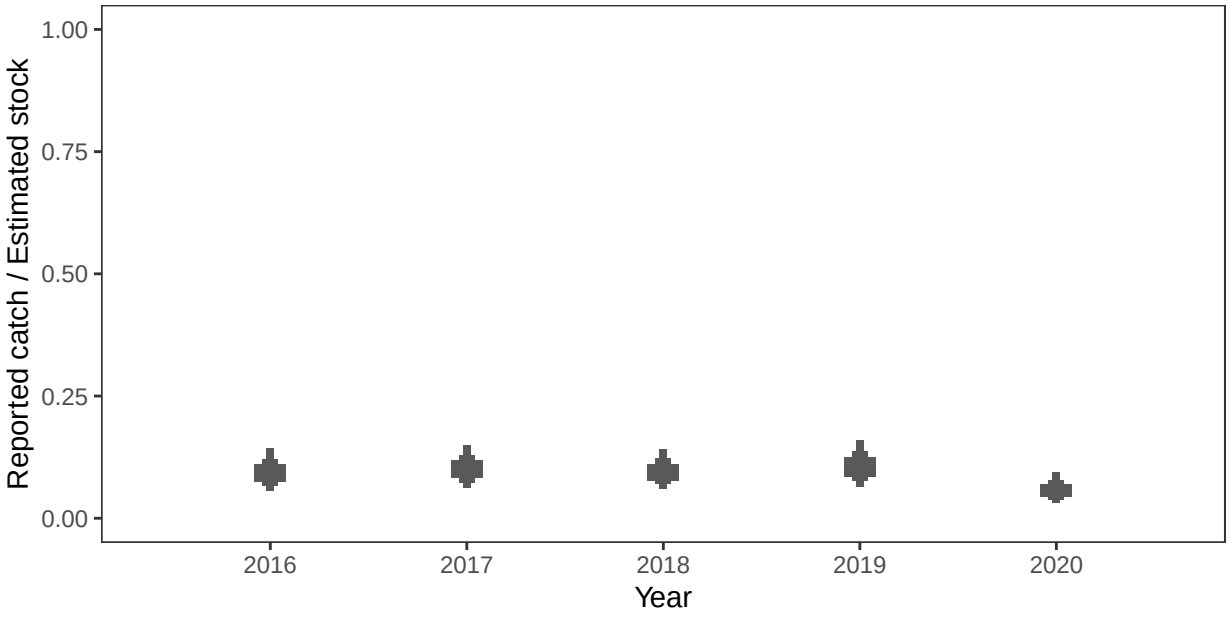
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



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

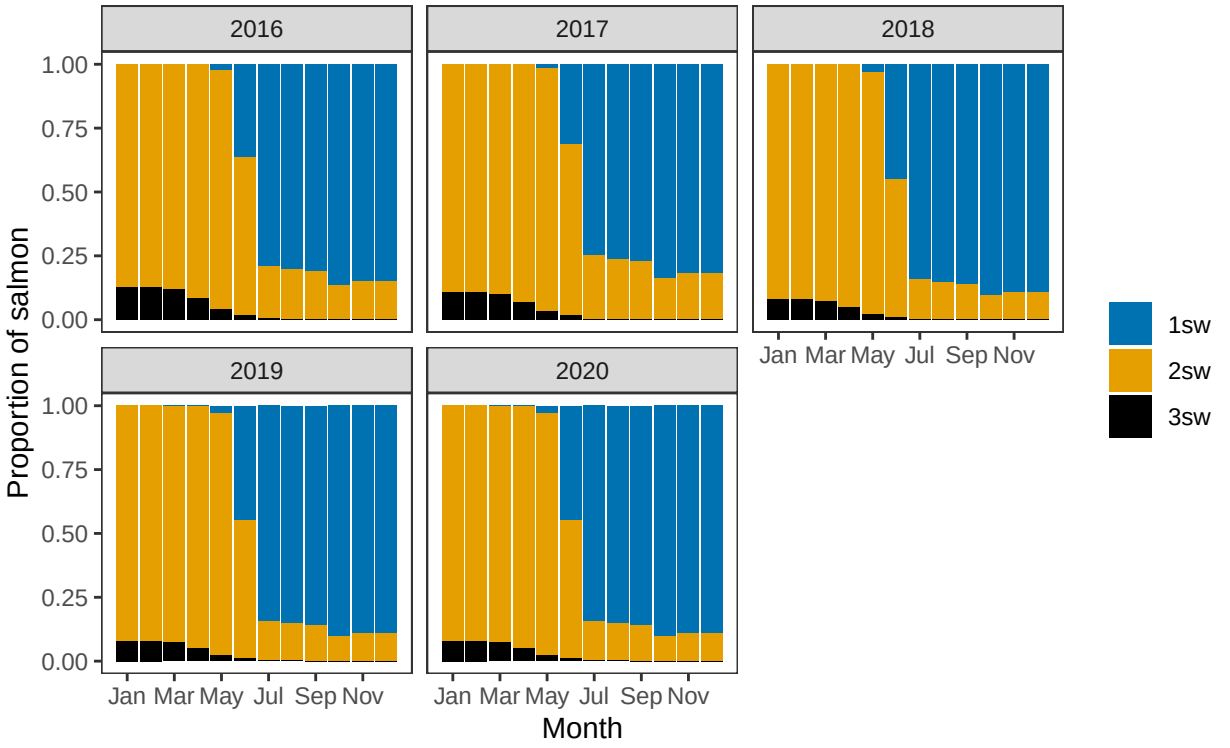
Annual catch as a proportion of stock



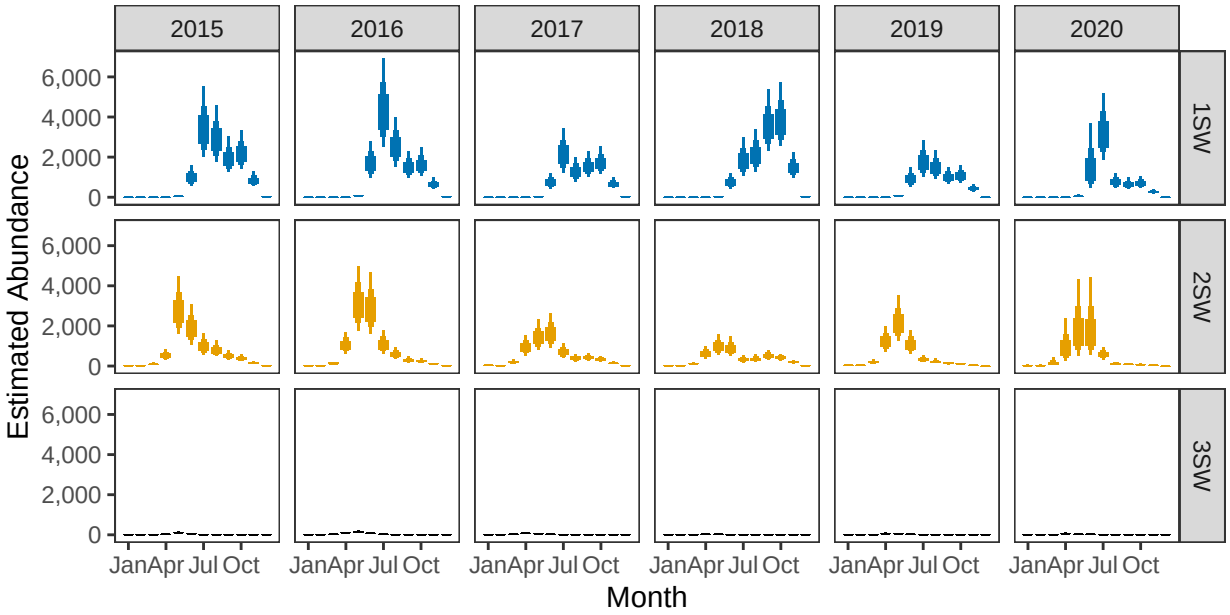
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

Ages of fish



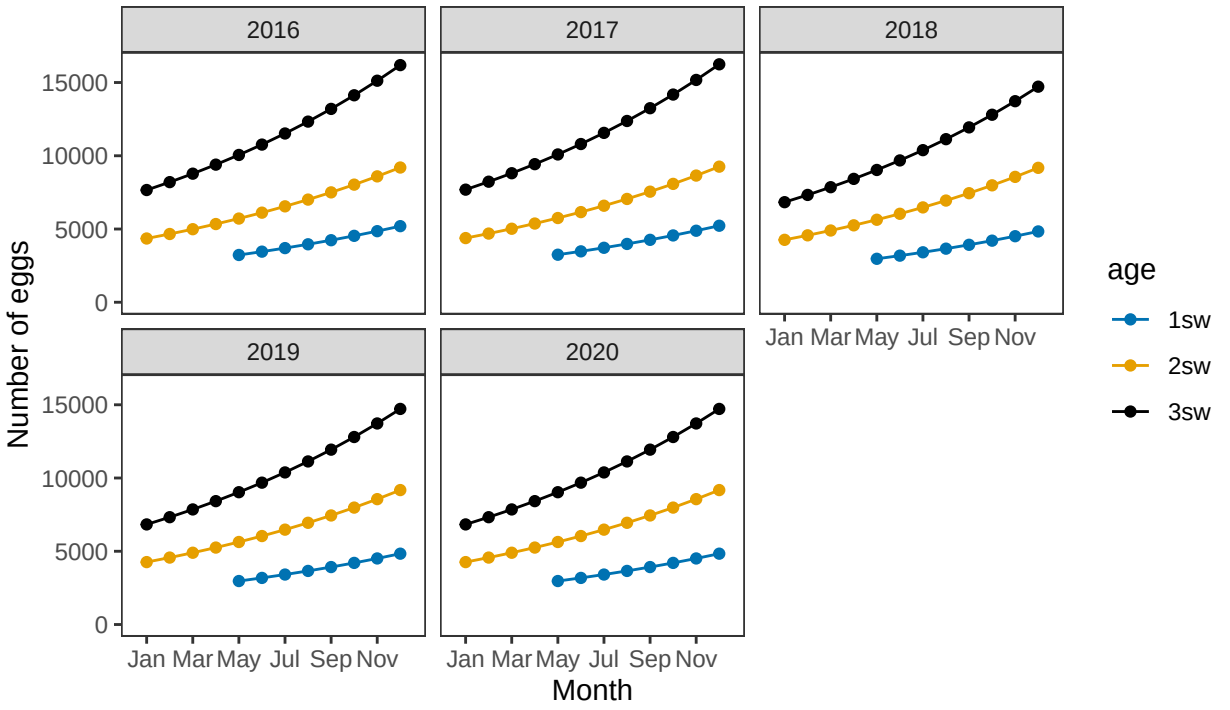
Monthly number of spawning females



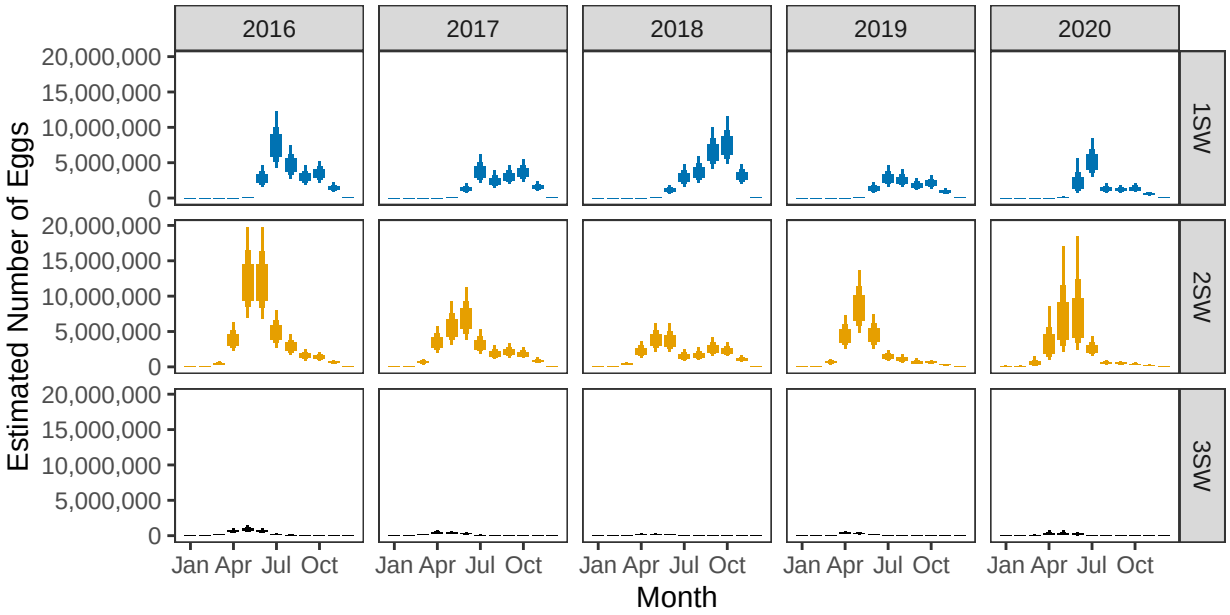
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

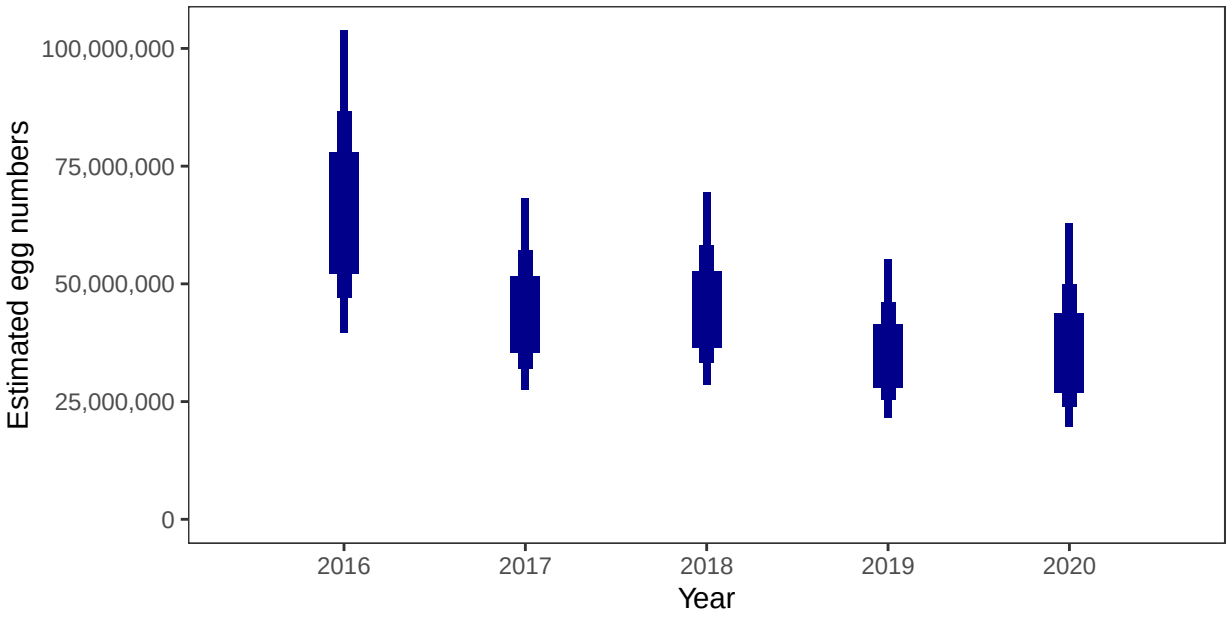


Monthly number of eggs



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

Total annual egg numbers



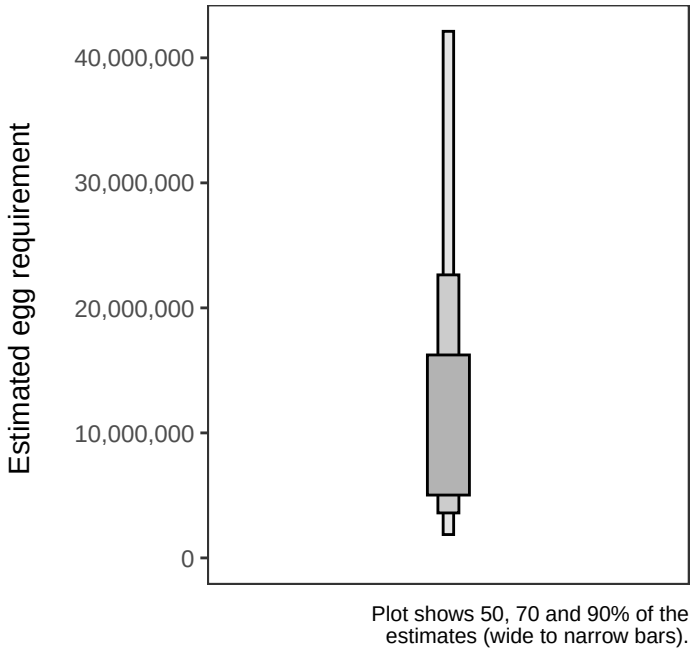
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

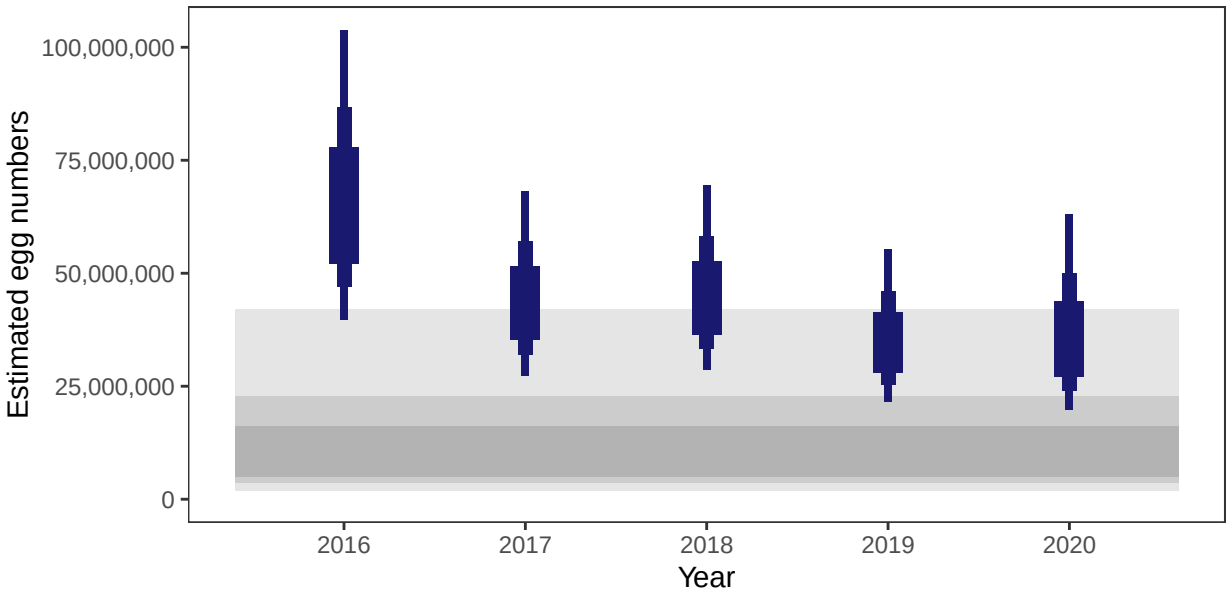
There is an estimated 3,615,975 square meters of known salmon habitat in the River Findhorn and a further 160,510 square meters where salmon may be present.

Egg requirement



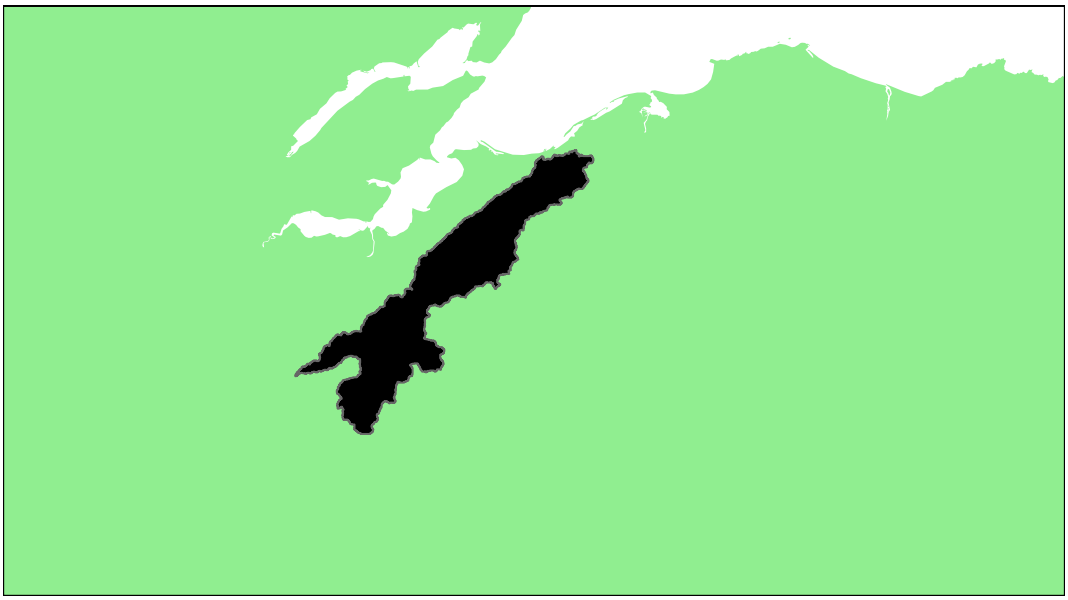
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	97.30
2017	94.75
2018	94.93
2019	91.76
2020	91.56



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 Nairn: Grade 1



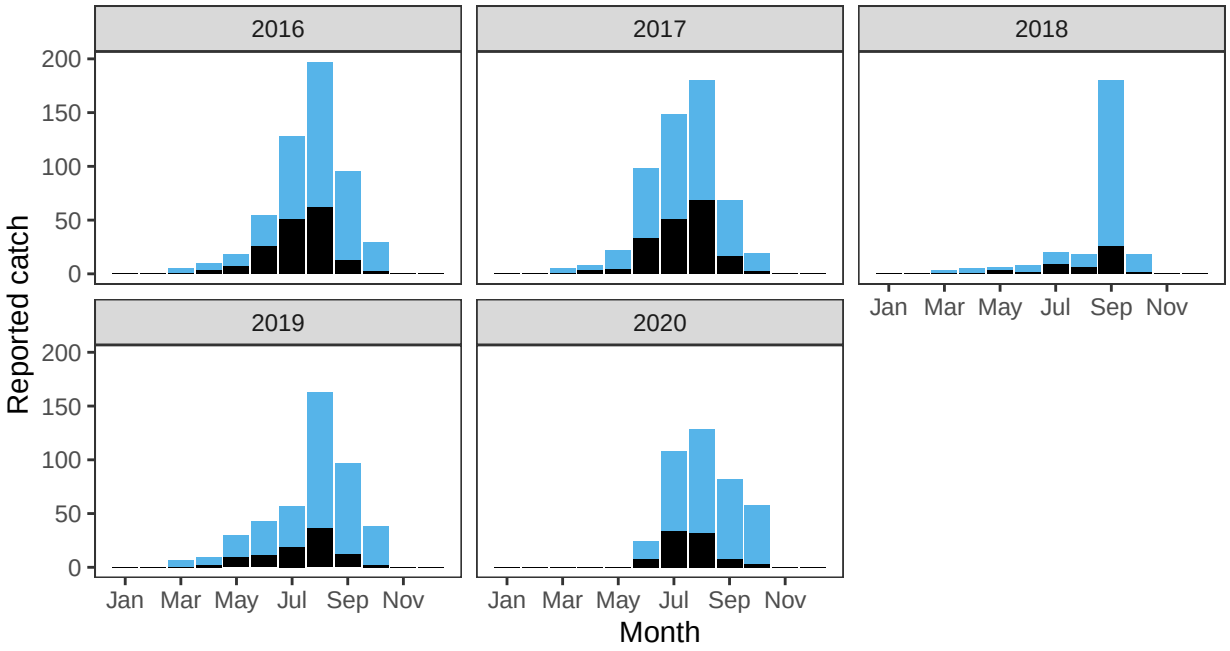
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.38	876,400	2,089,213	96.57	97.26	85.28	91.77	94.03	92.98	1

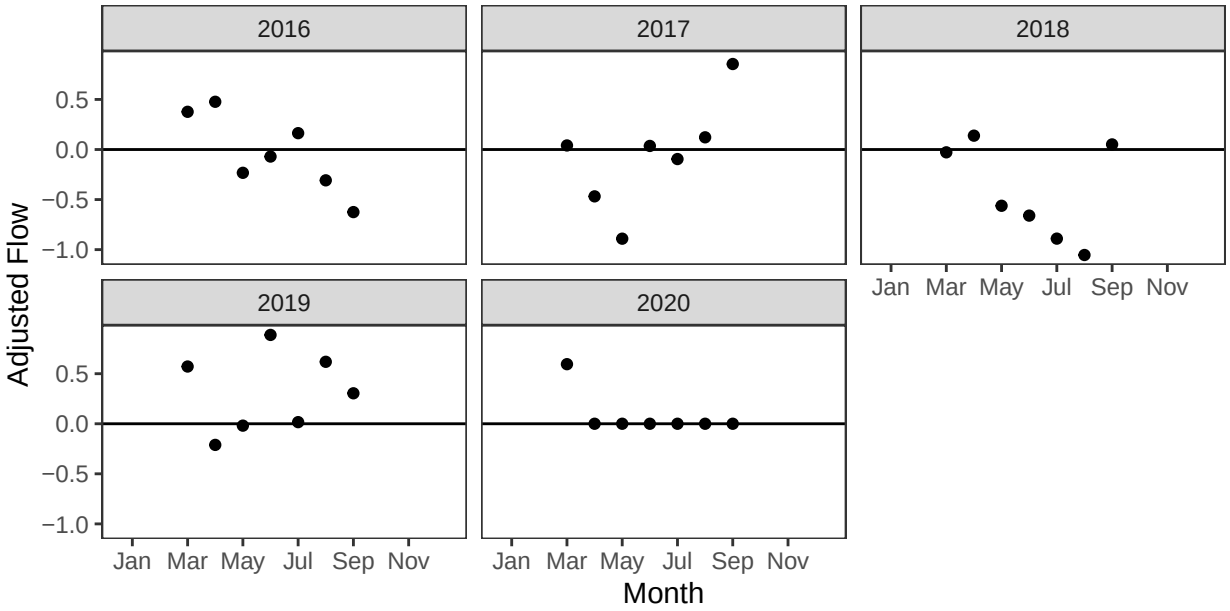
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

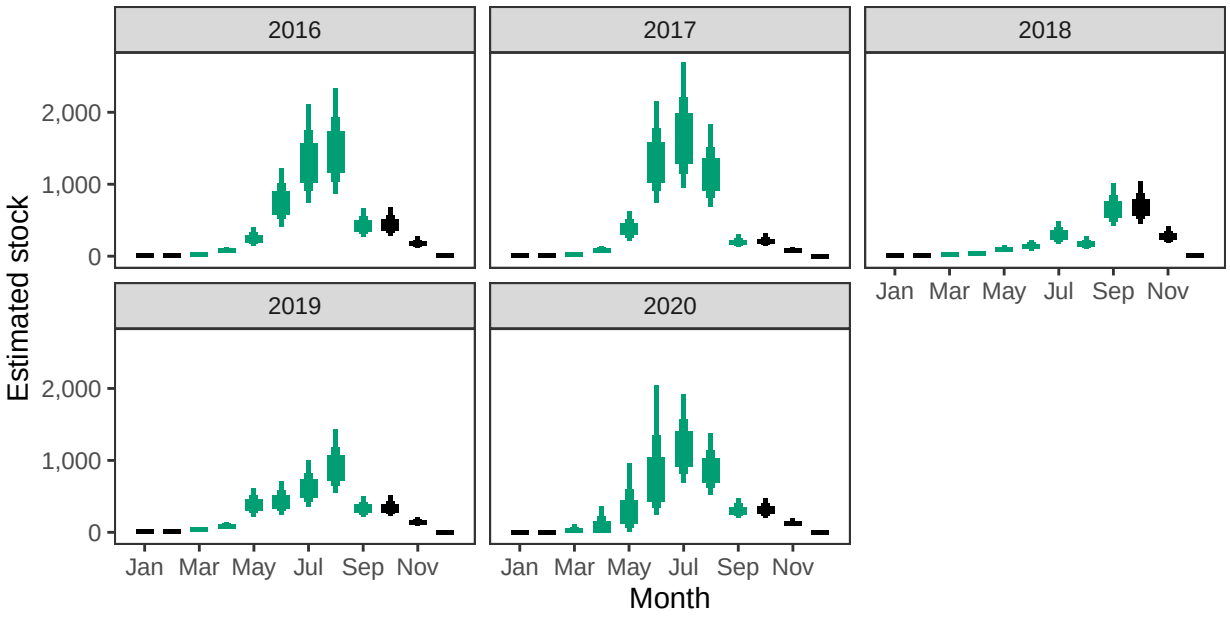
Reported Catches (black = retained, blue = released)



Monthly flow data

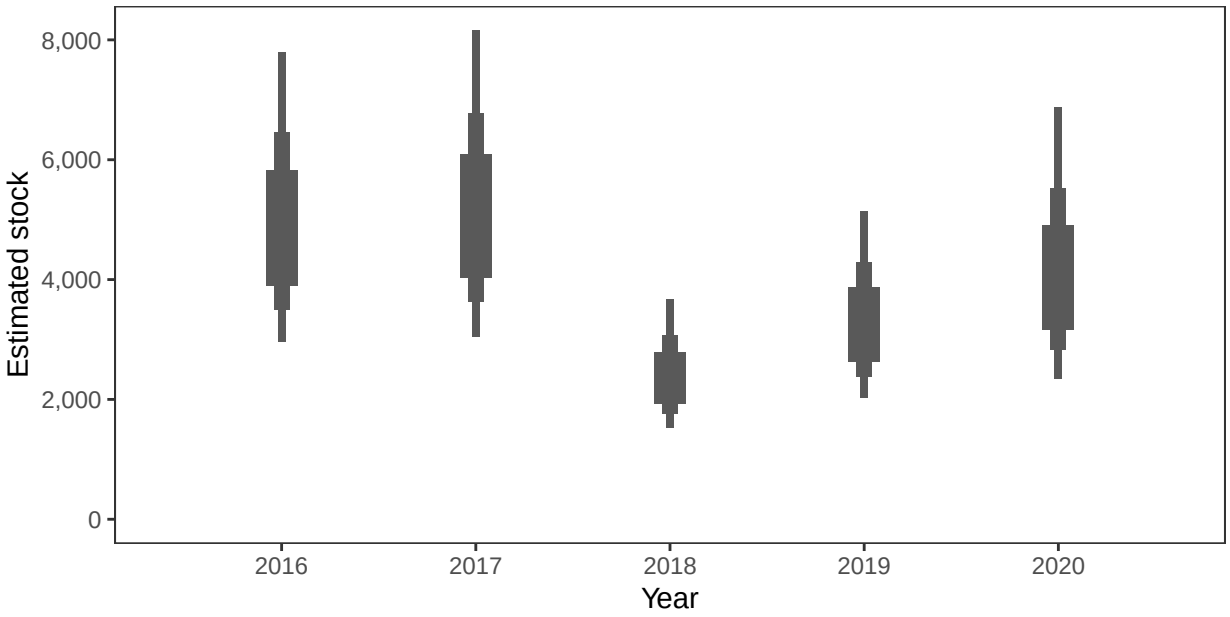


Monthly stock estimates (out of season in black)



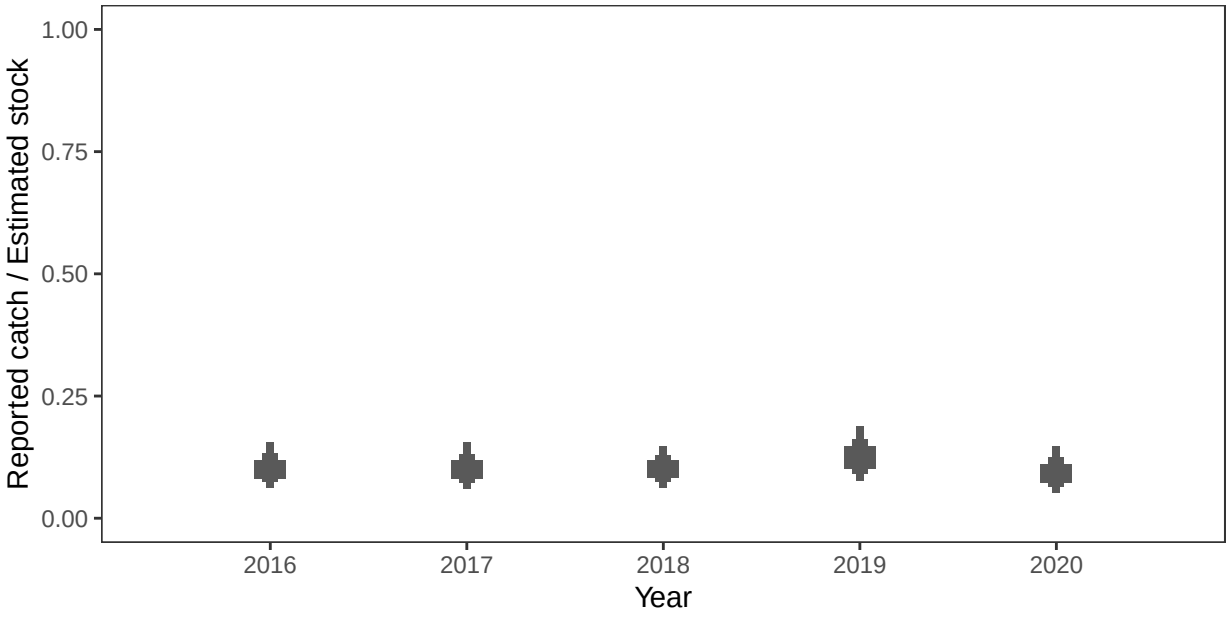
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



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

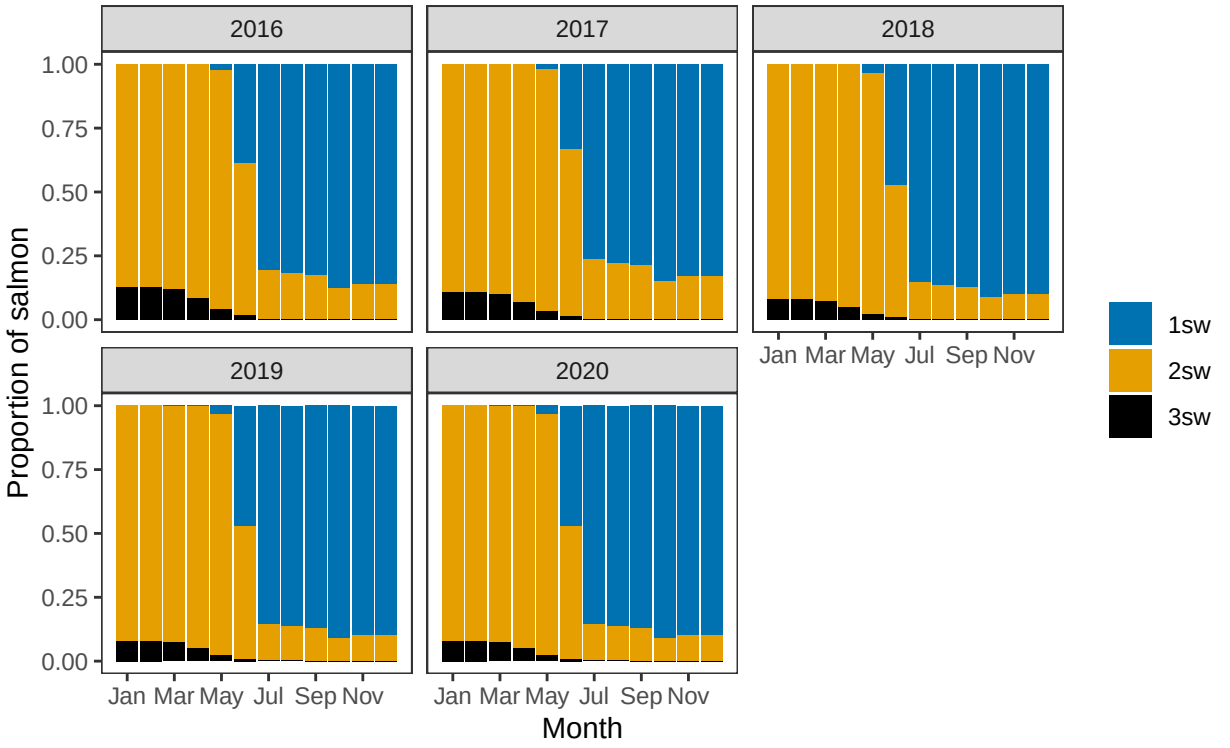
Annual catch as a proportion of stock



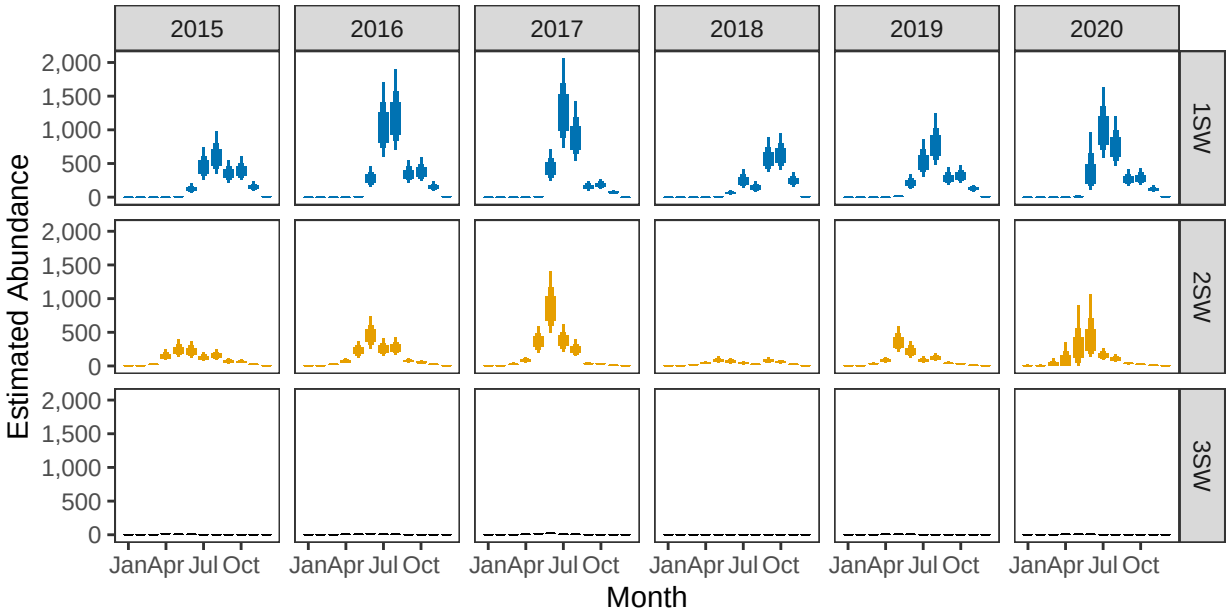
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

Ages of fish



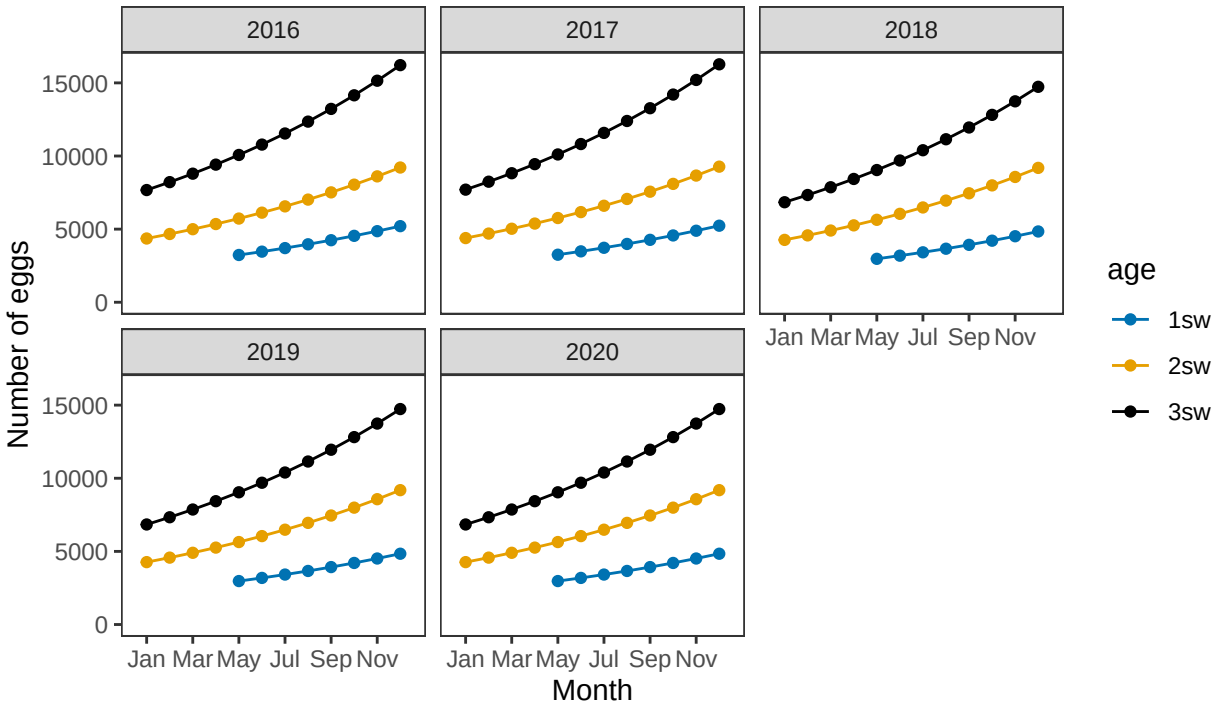
Monthly number of spawning females



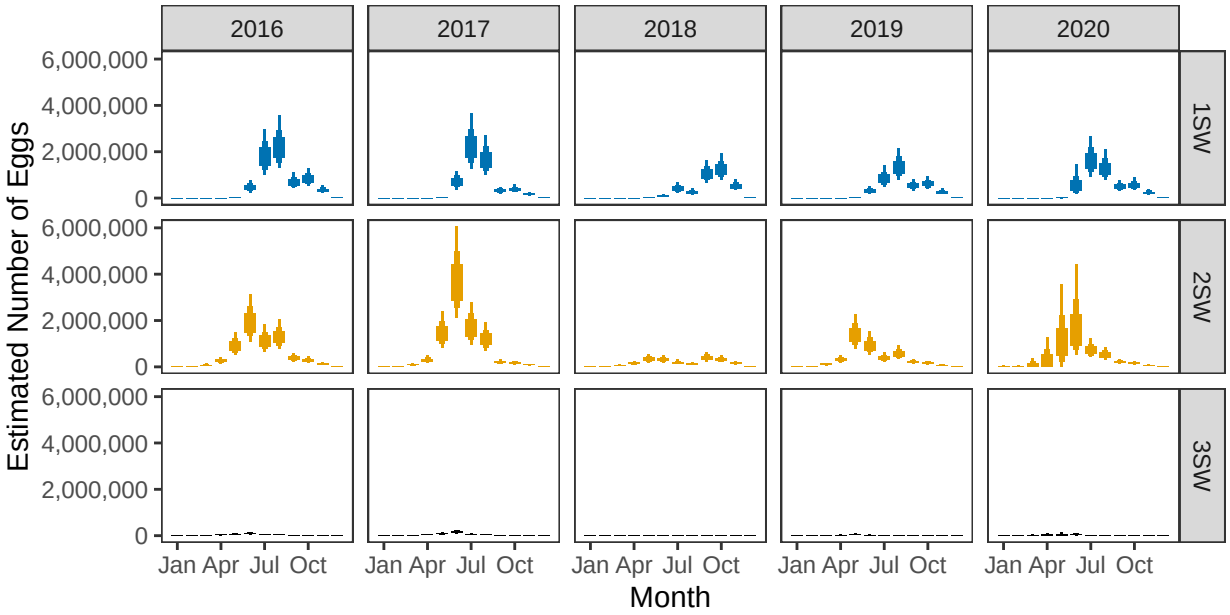
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

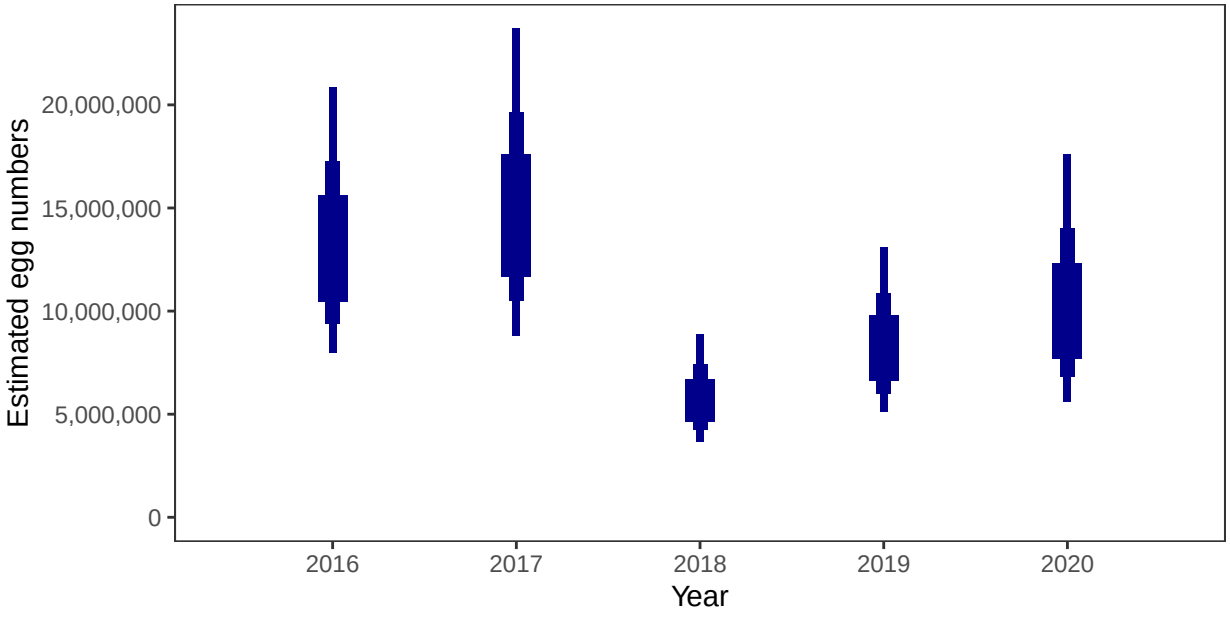


Monthly number of eggs



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

Total annual egg numbers



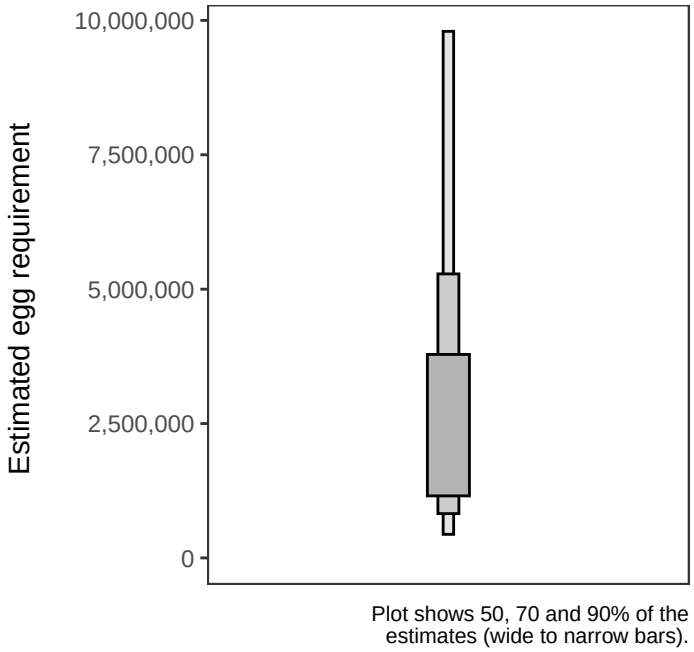
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

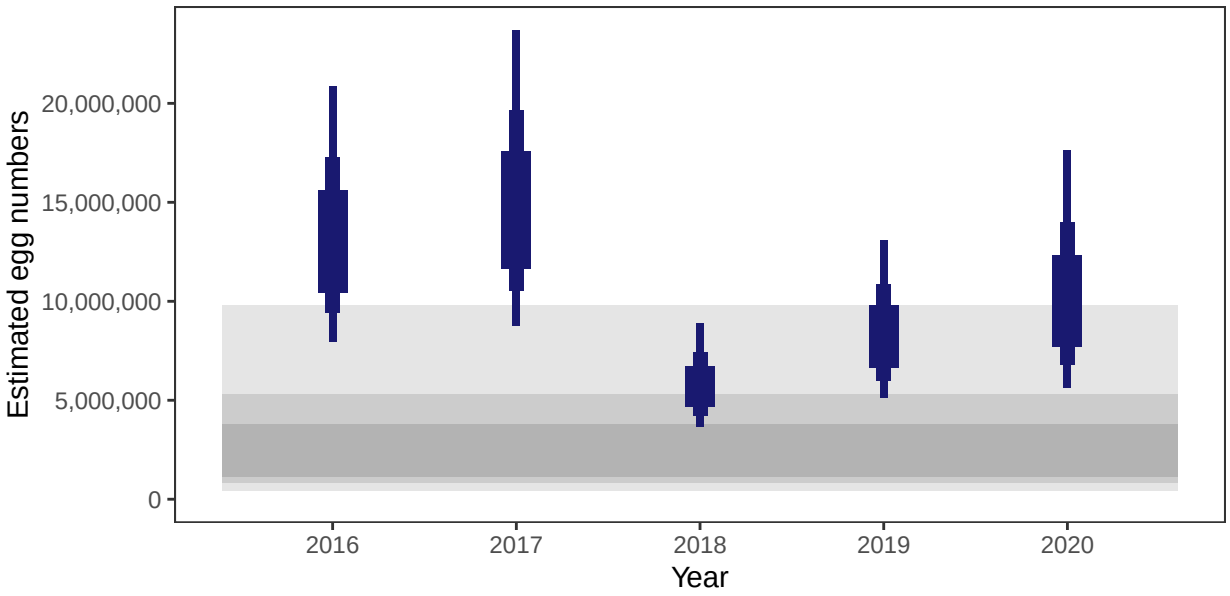
There is an estimated 881,788 square meters of known salmon habitat in the River Nairn and a further 114,175 square meters where salmon may be present.

Egg requirement



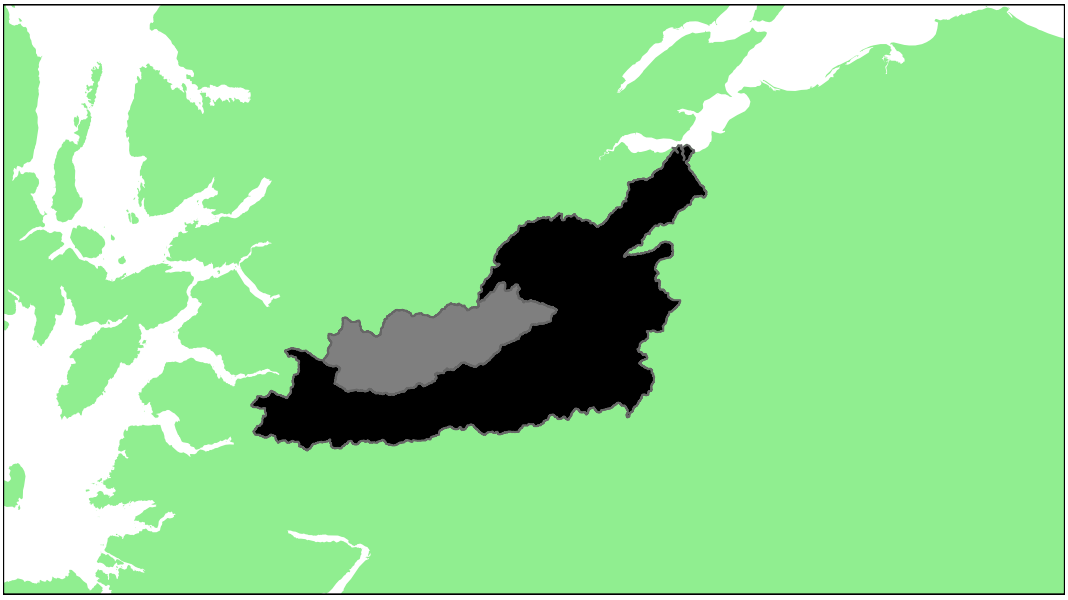
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	96.57
2017	97.26
2018	85.28
2019	91.77
2020	94.03



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 Ness [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

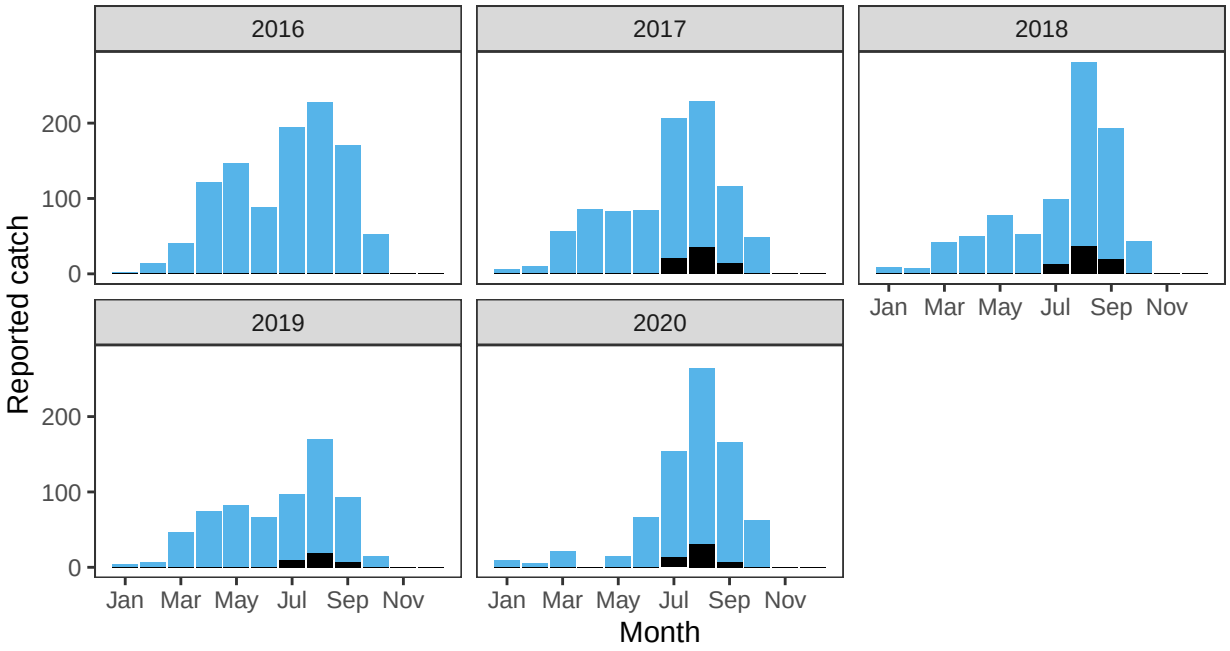
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.34	2,967,600	6,941,840	93.17	91.1	86.82	83.05	90.18	88.86	2

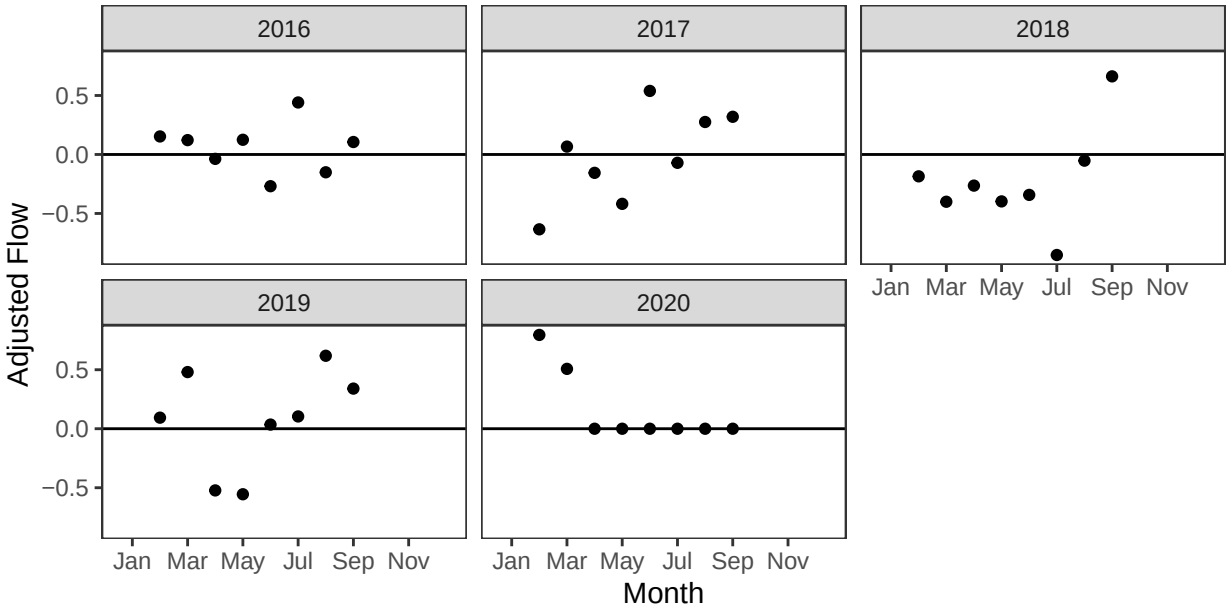
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

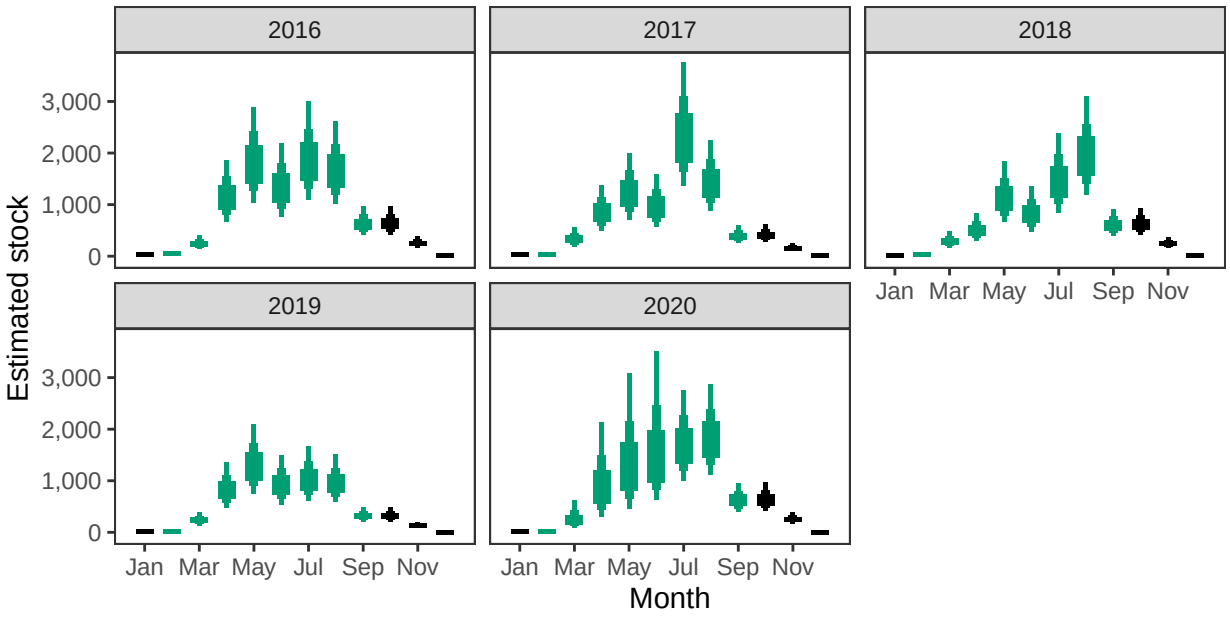
Reported Catches (black = retained, blue = released)



Monthly flow data

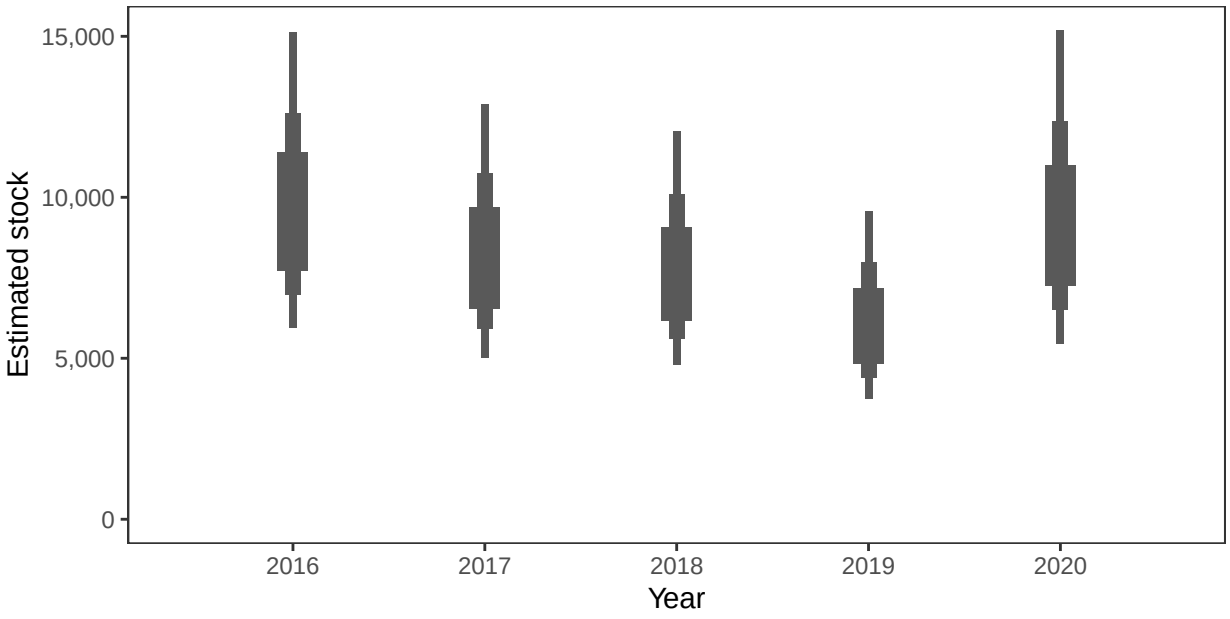


Monthly stock estimates (out of season in black)



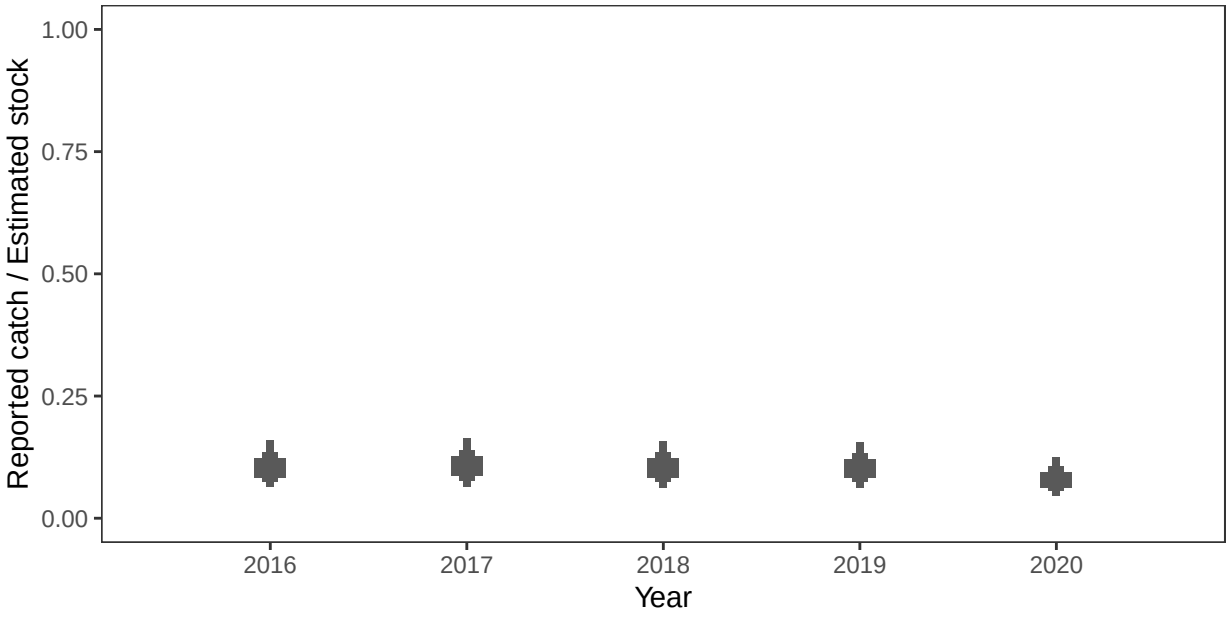
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



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

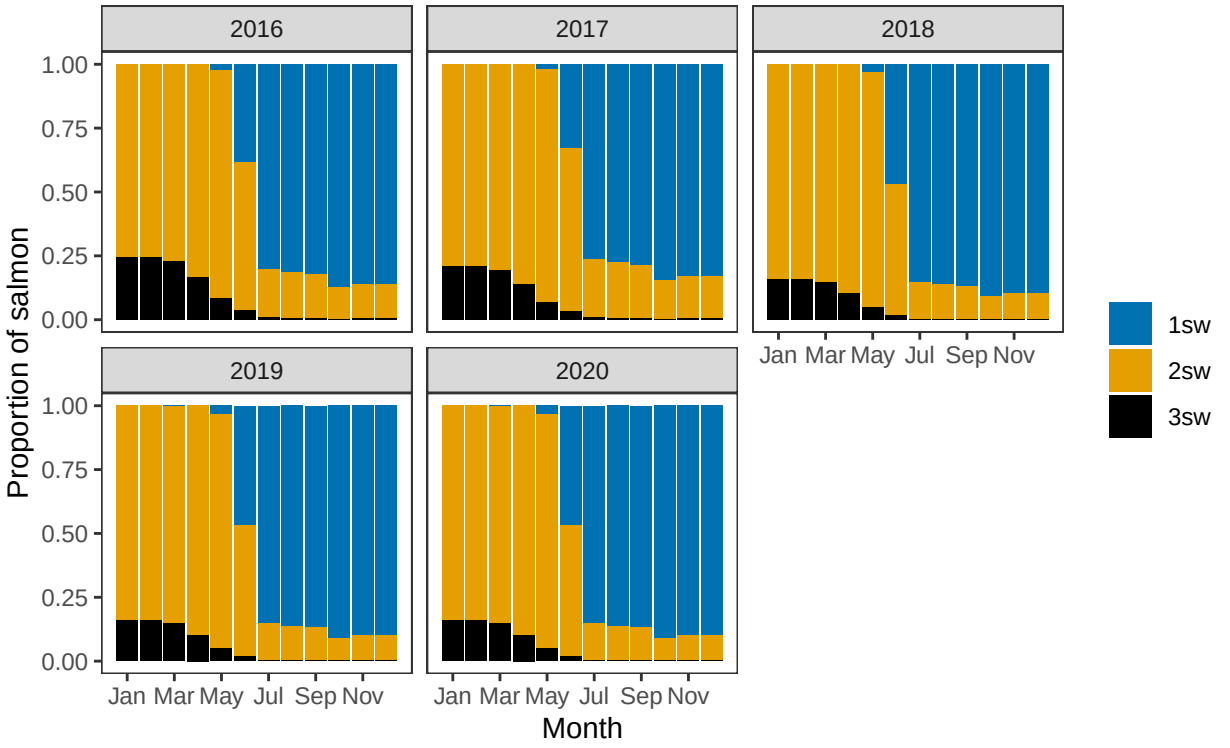
Annual catch as a proportion of stock



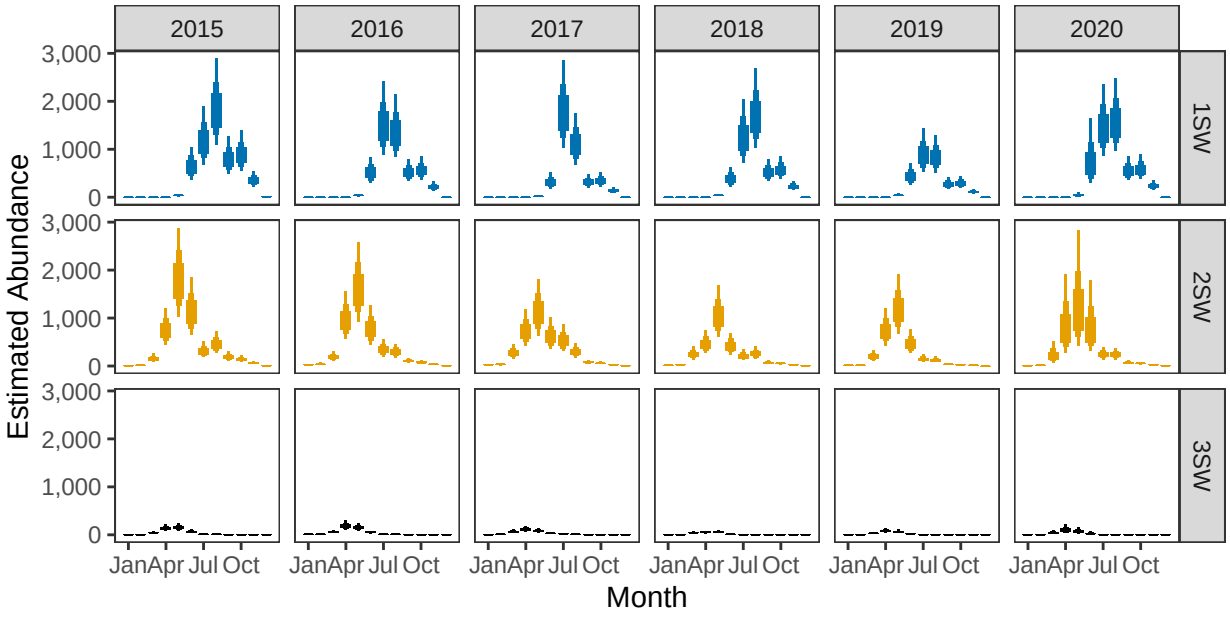
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

Ages of fish



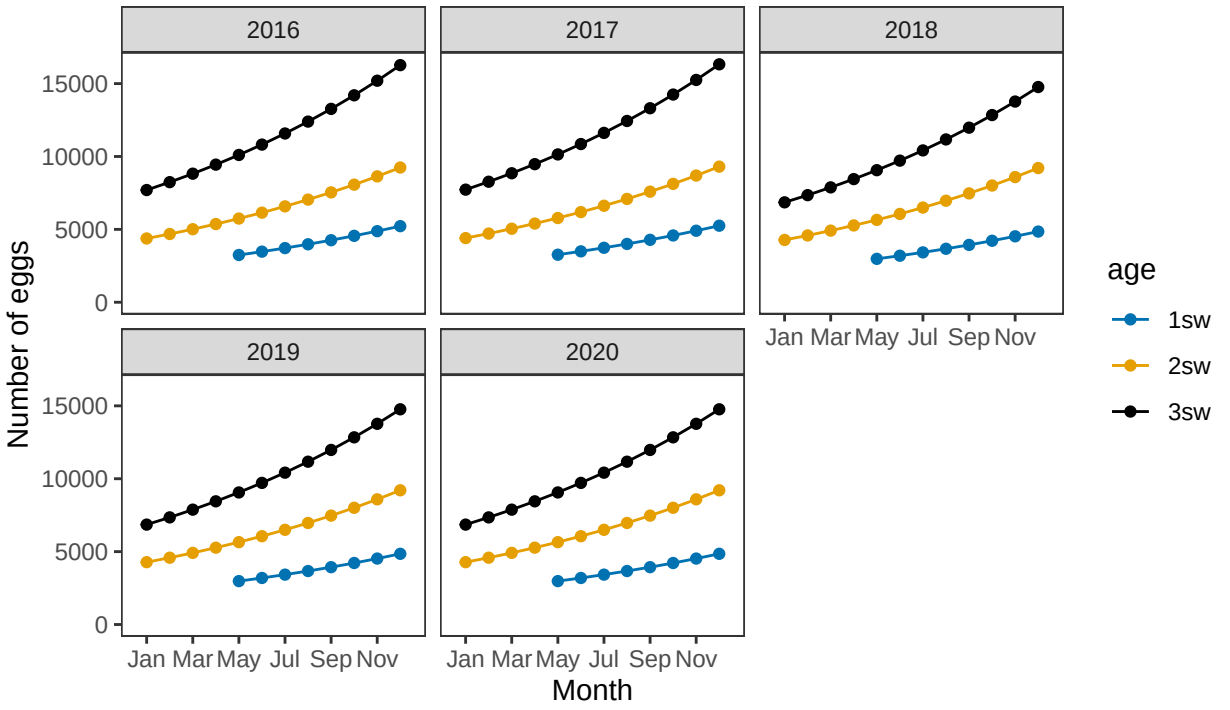
Monthly number of spawning females



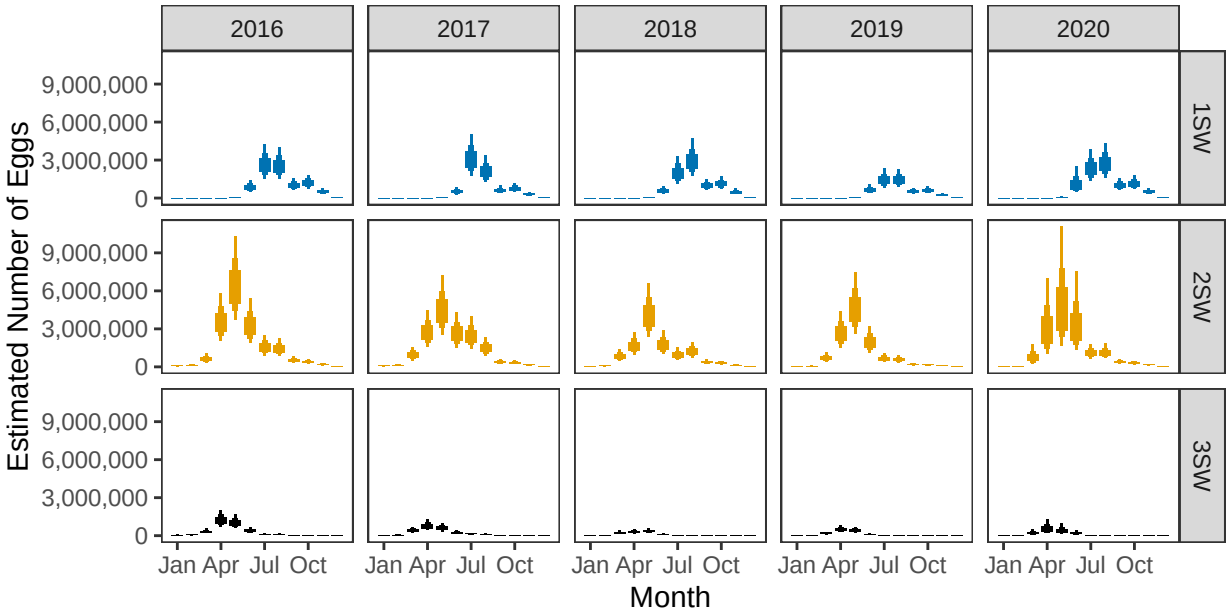
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

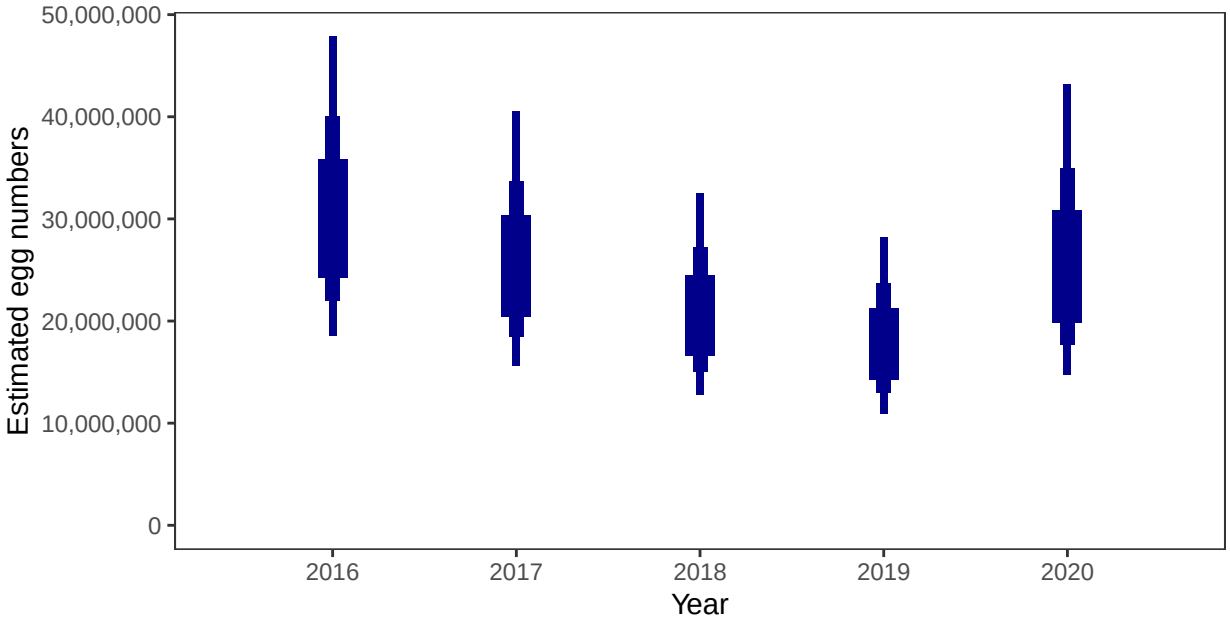


Monthly number of eggs



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

Total annual egg numbers



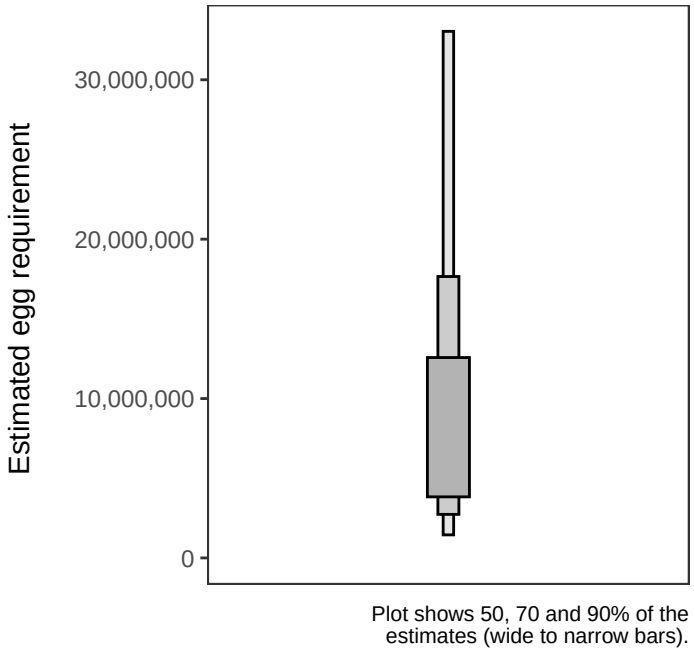
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

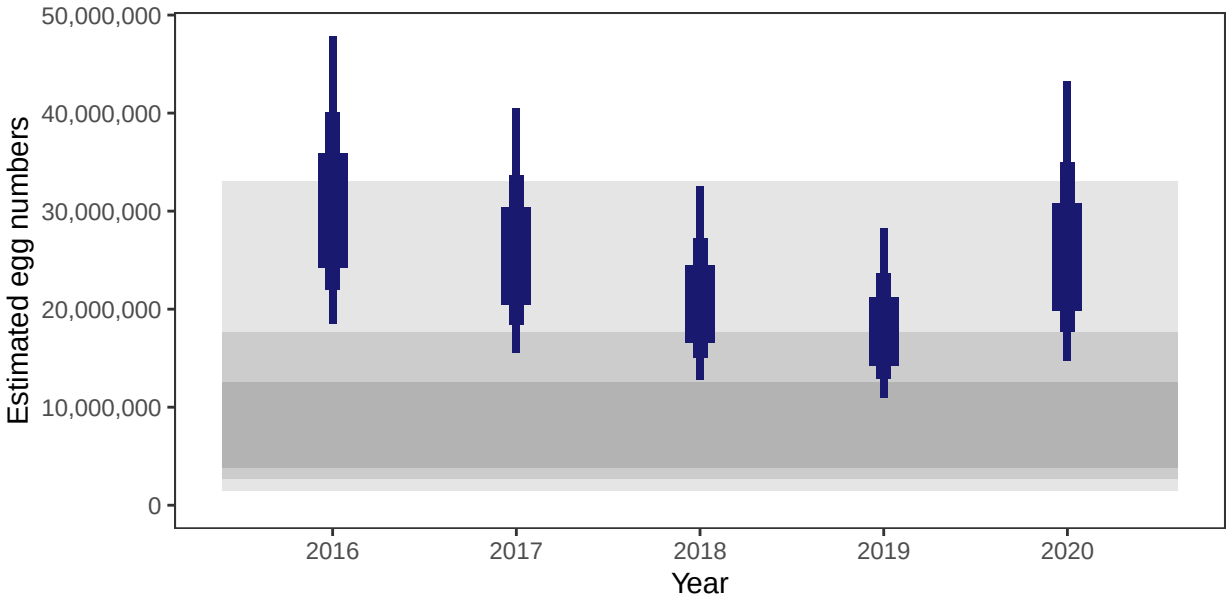
There is an estimated 3,026,057 square meters of known salmon habitat in the River Ness and a further 346,180 square meters where salmon may be present.

Egg requirement



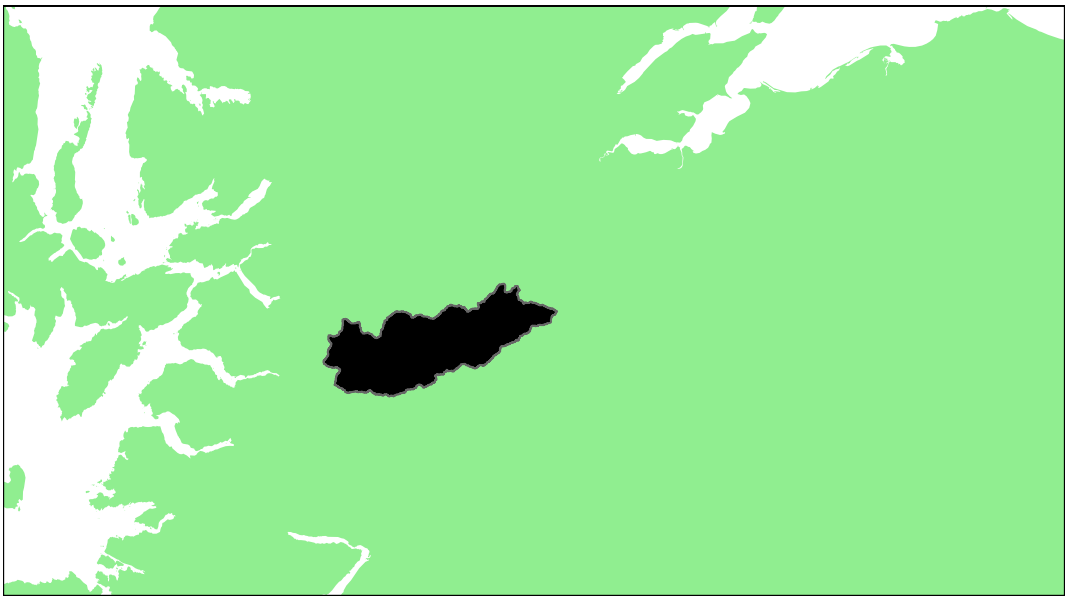
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	93.17
2017	91.10
2018	86.82
2019	83.05
2020	90.18



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 Moriston SAC: Grade 2



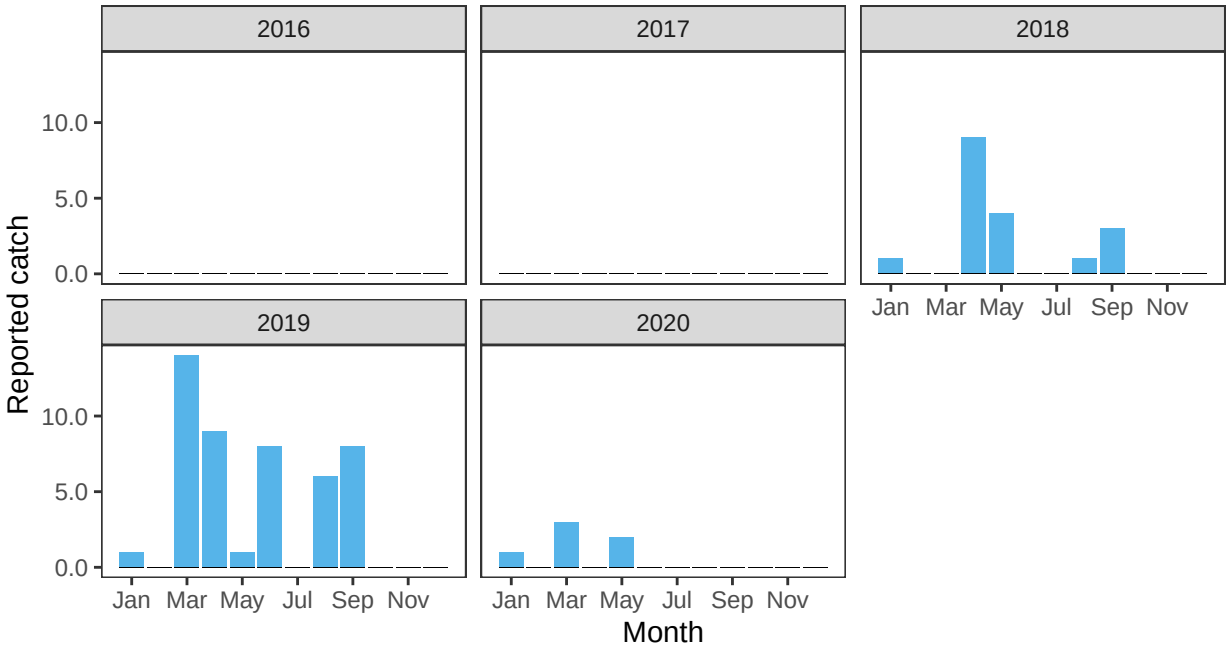
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
0.92	949,500	876,274	99.36	95.61	7.69	97.57	83.96	76.84	2

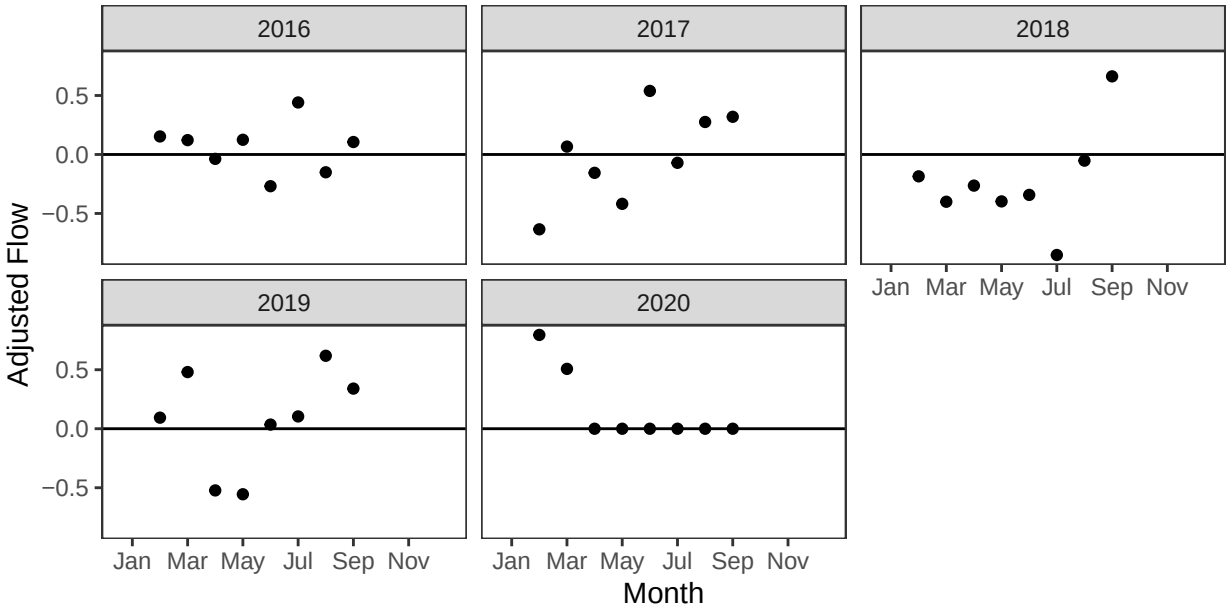
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

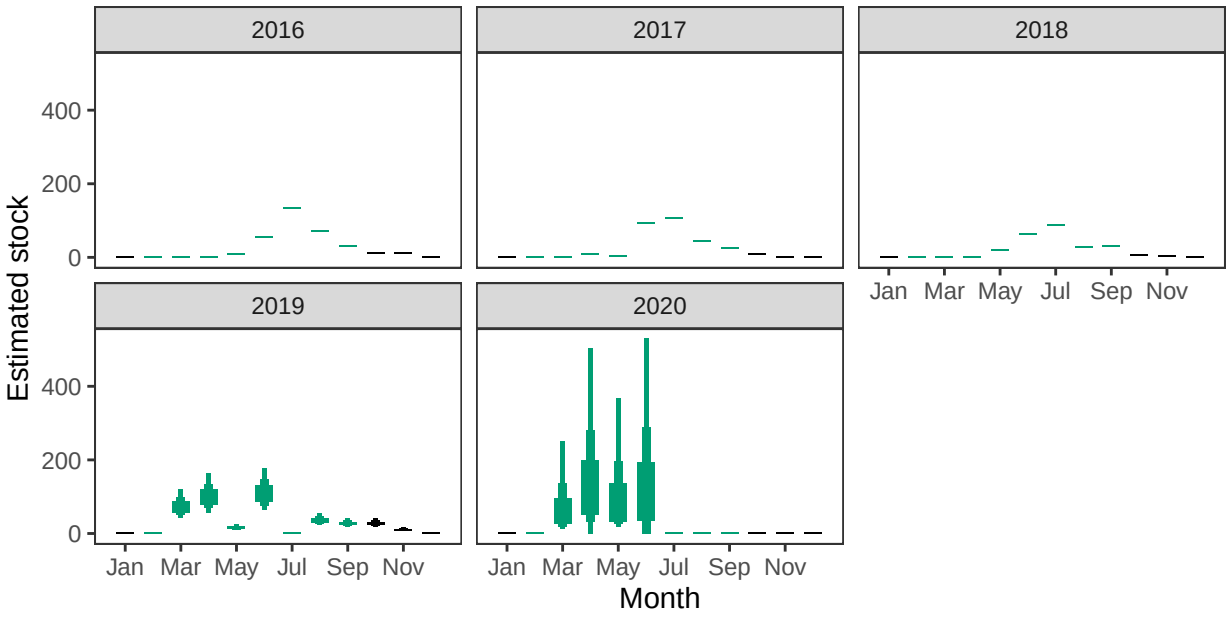
Reported Catches (black = retained, blue = released)



Monthly flow data

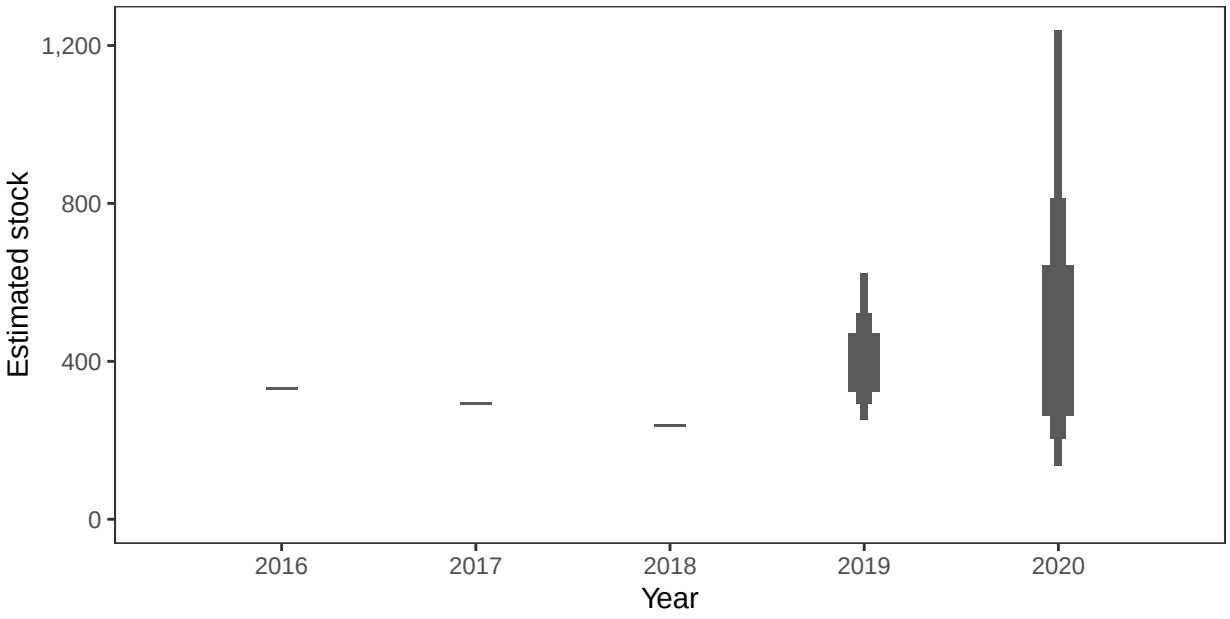


Monthly stock estimates (out of season in black)



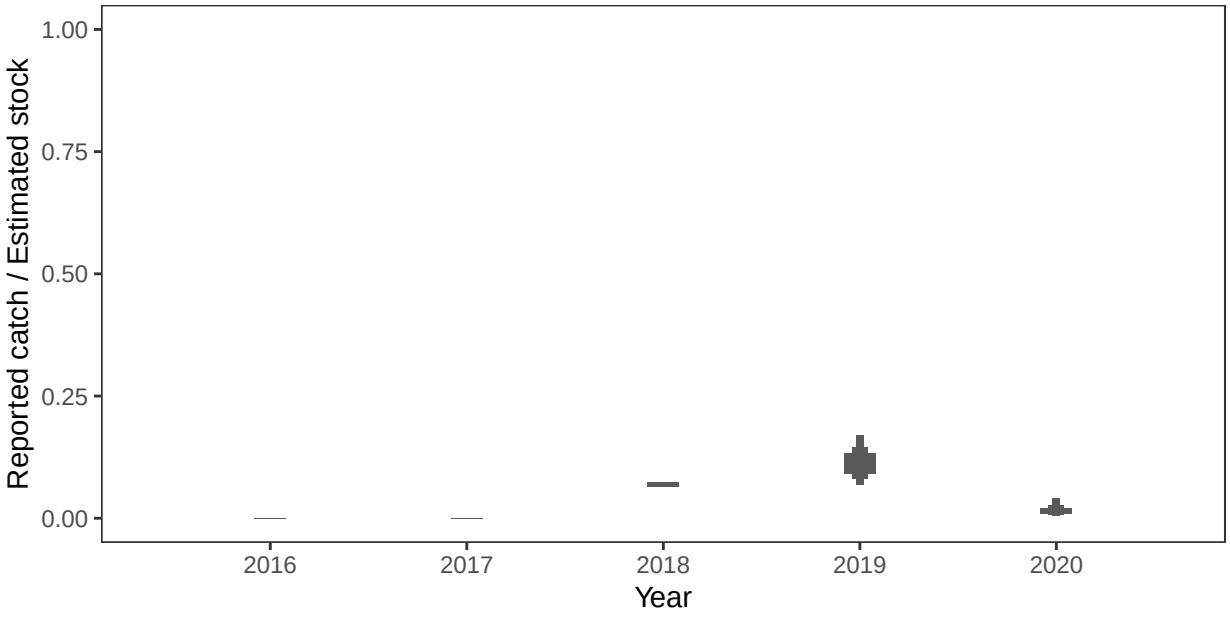
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



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

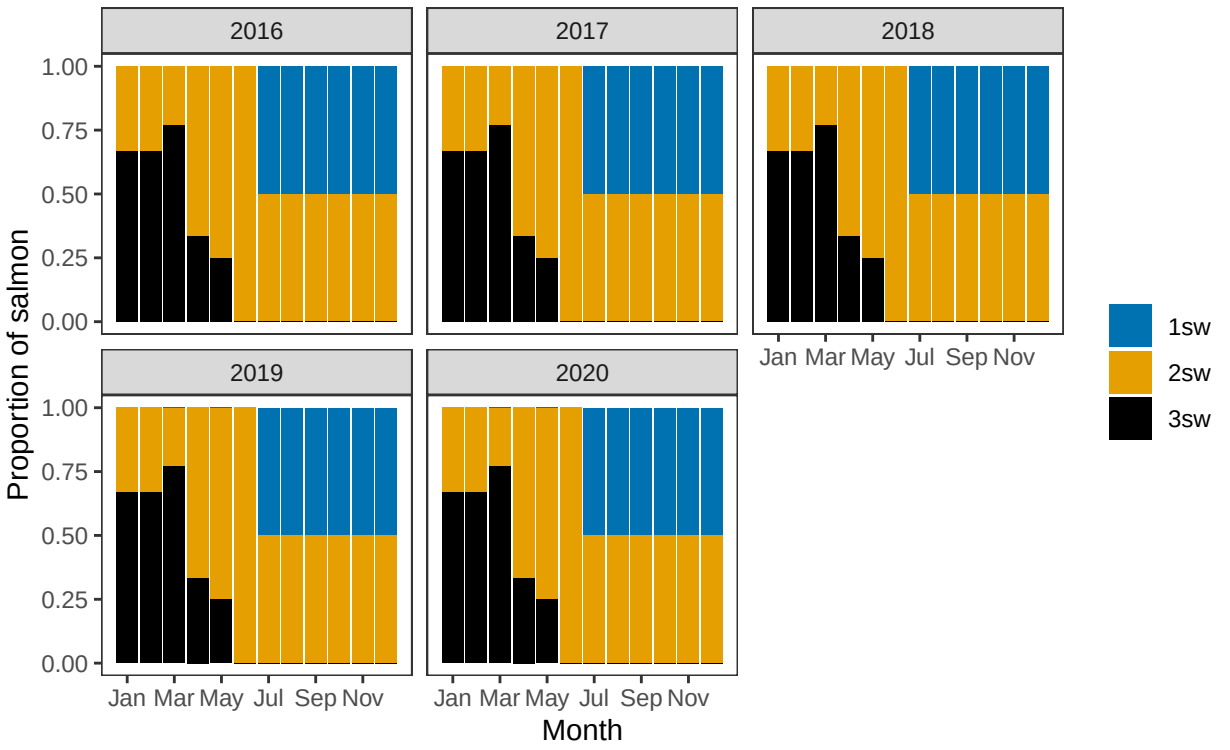
Annual catch as a proportion of stock



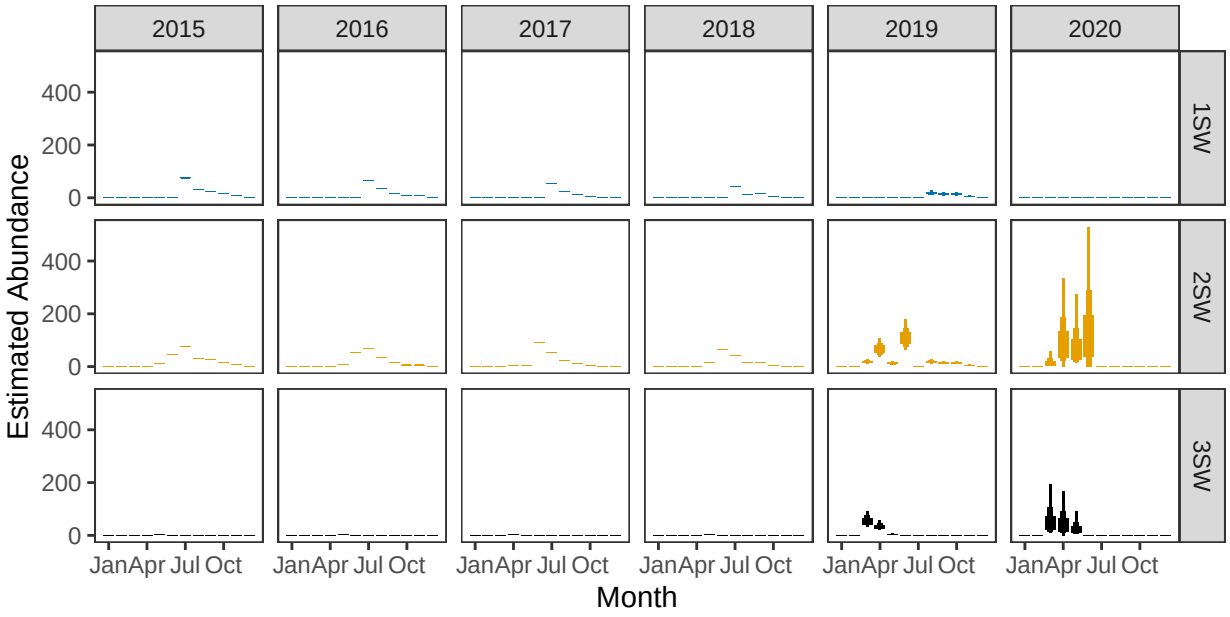
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

Ages of fish



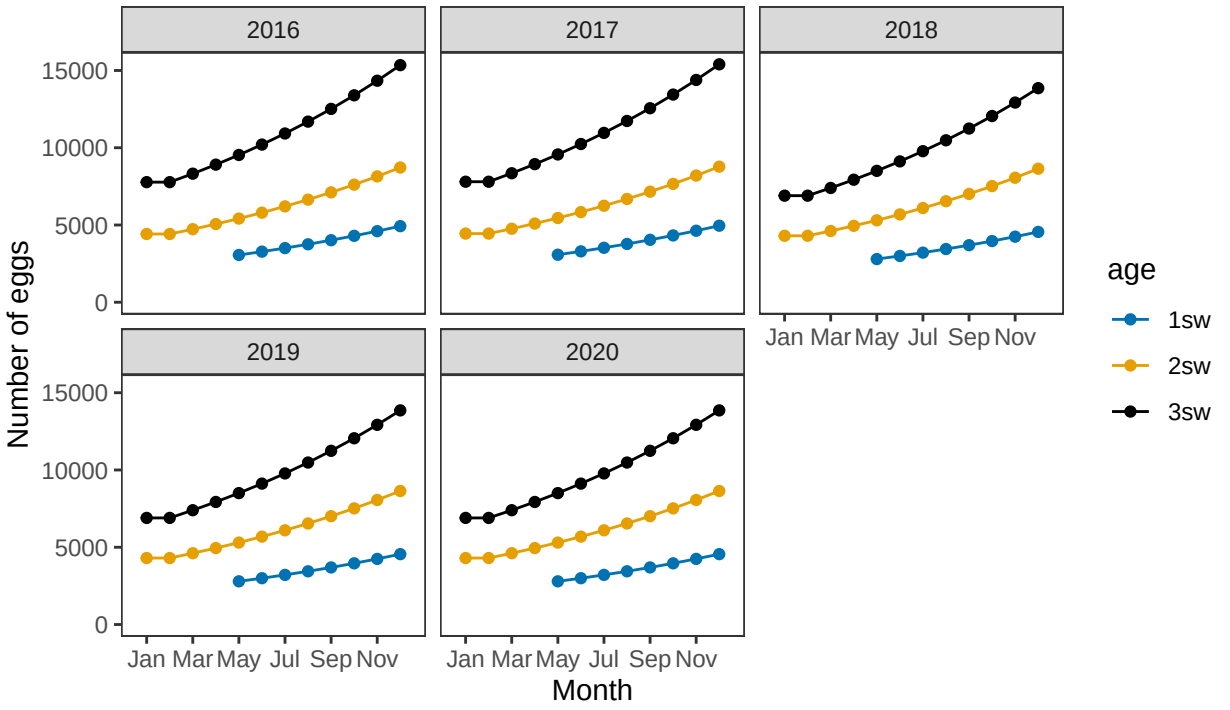
Monthly number of spawning females



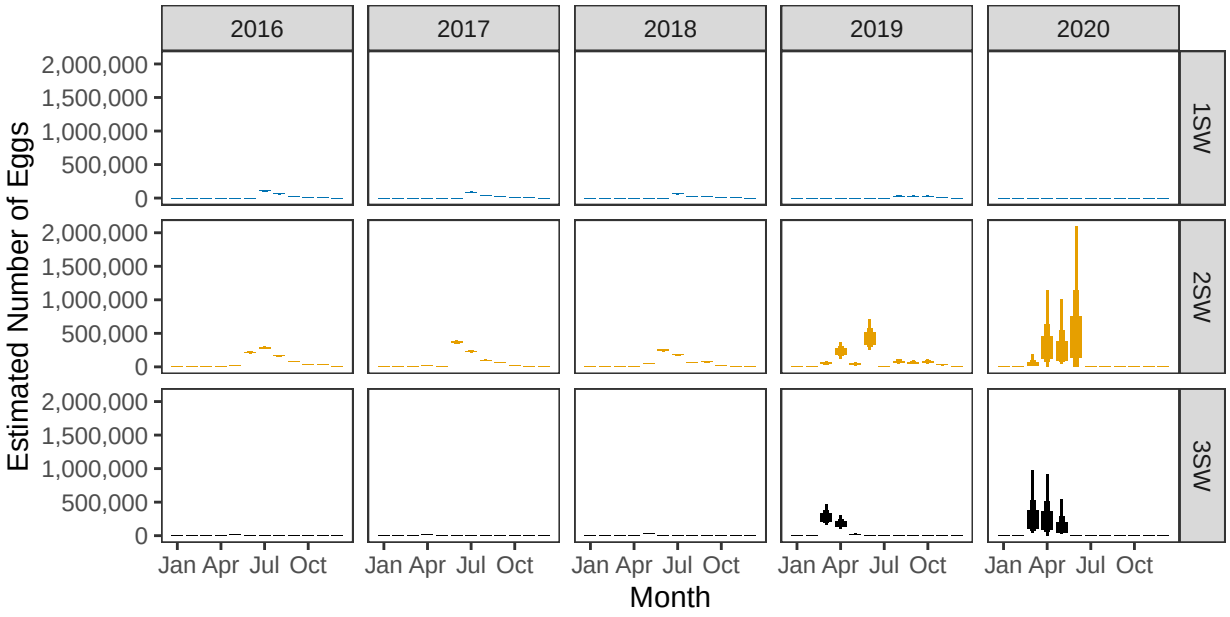
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

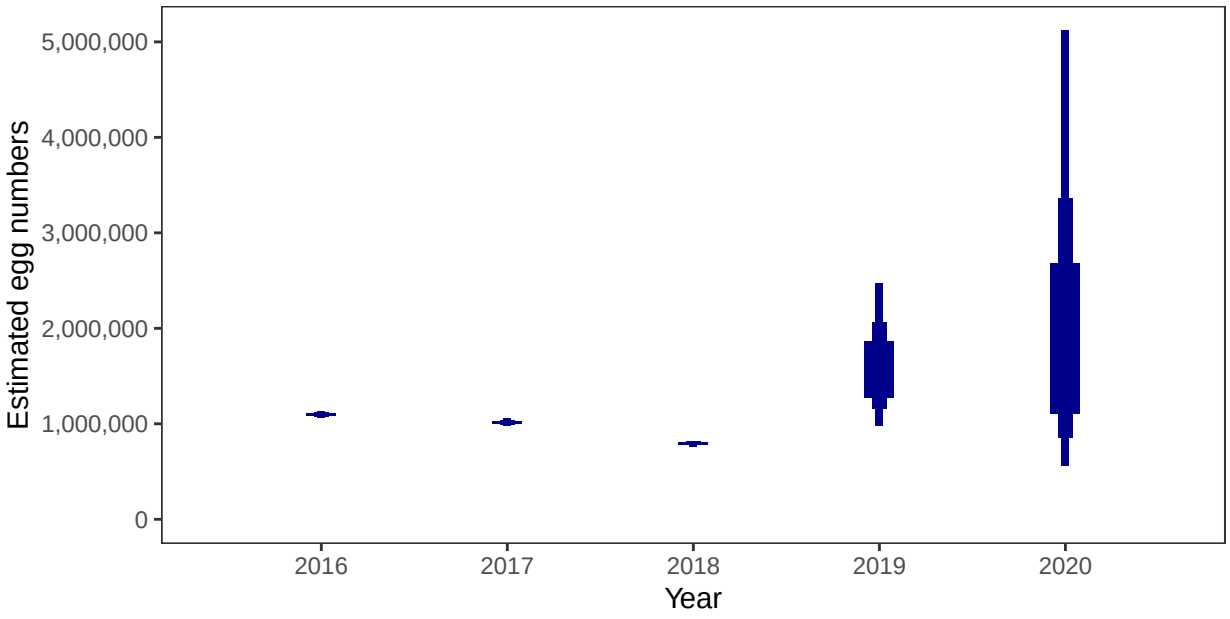


Monthly number of eggs



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

Total annual egg numbers



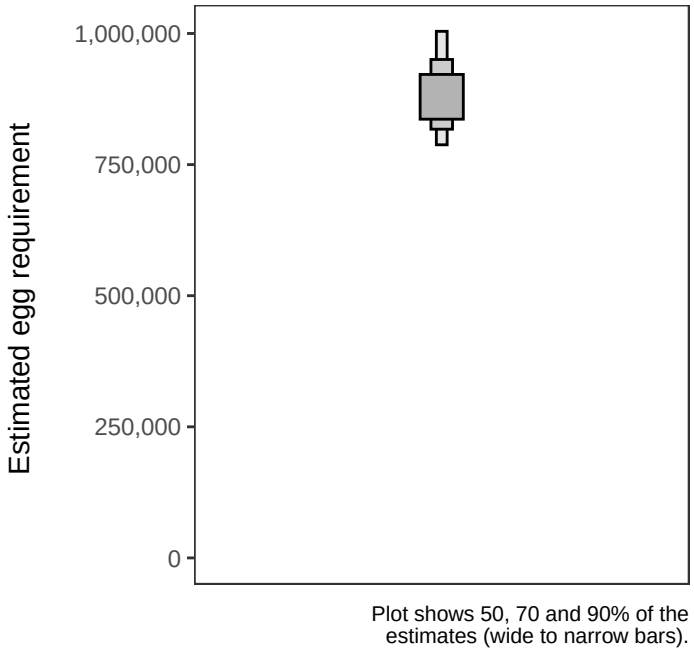
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

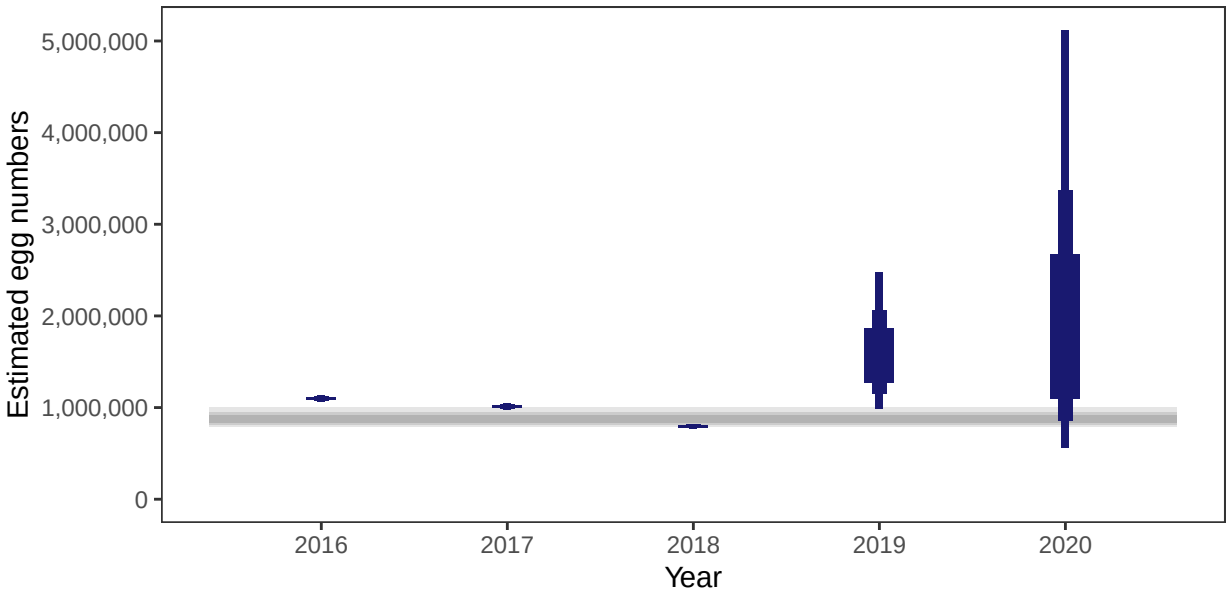
There is an estimated 1,014,554 square meters of known salmon habitat in the River Moriston SAC and a further 64,454 square meters where salmon may be present.

Egg requirement



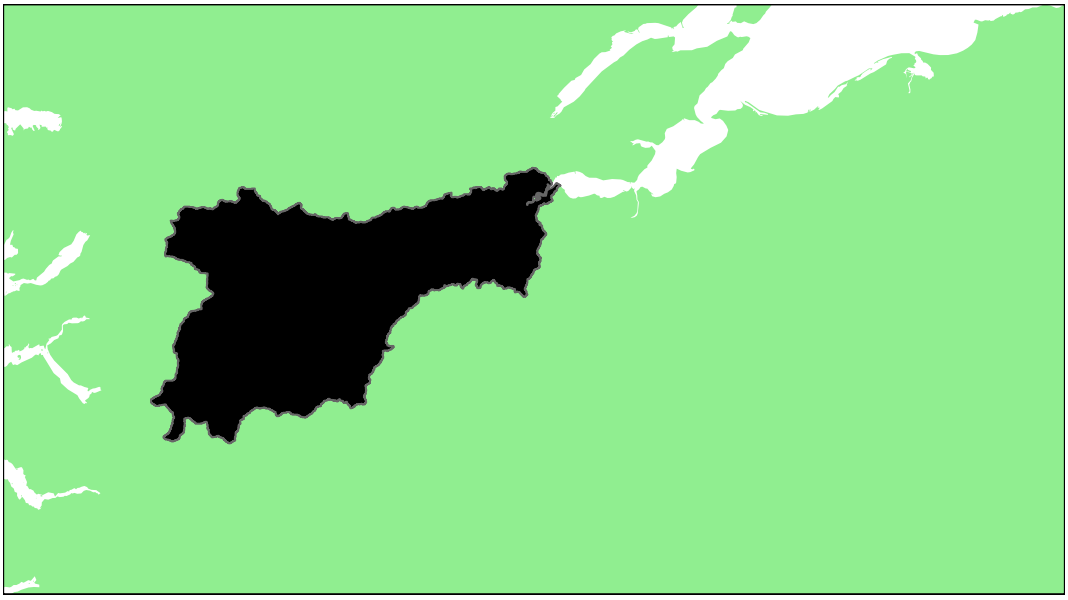
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	99.36
2017	95.61
2018	7.69
2019	97.57
2020	83.96



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 Beauly: Grade 1



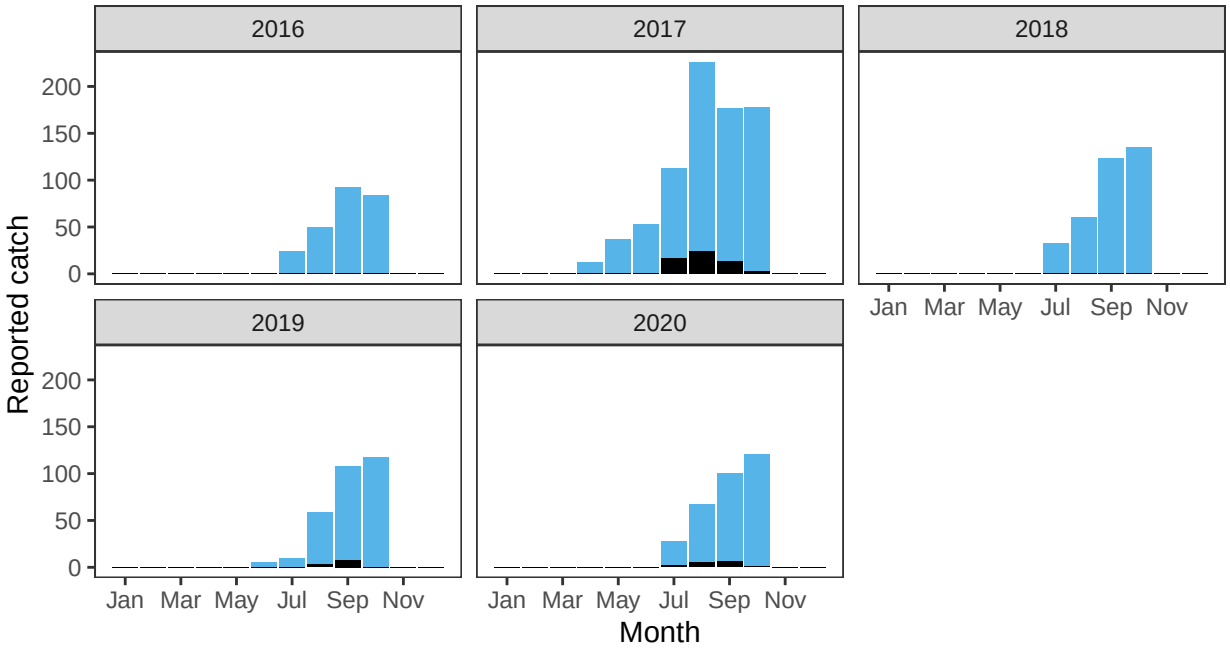
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
3.1	1,599,700	4,957,954	100	100	66.47	66.98	82.79	83.25	1

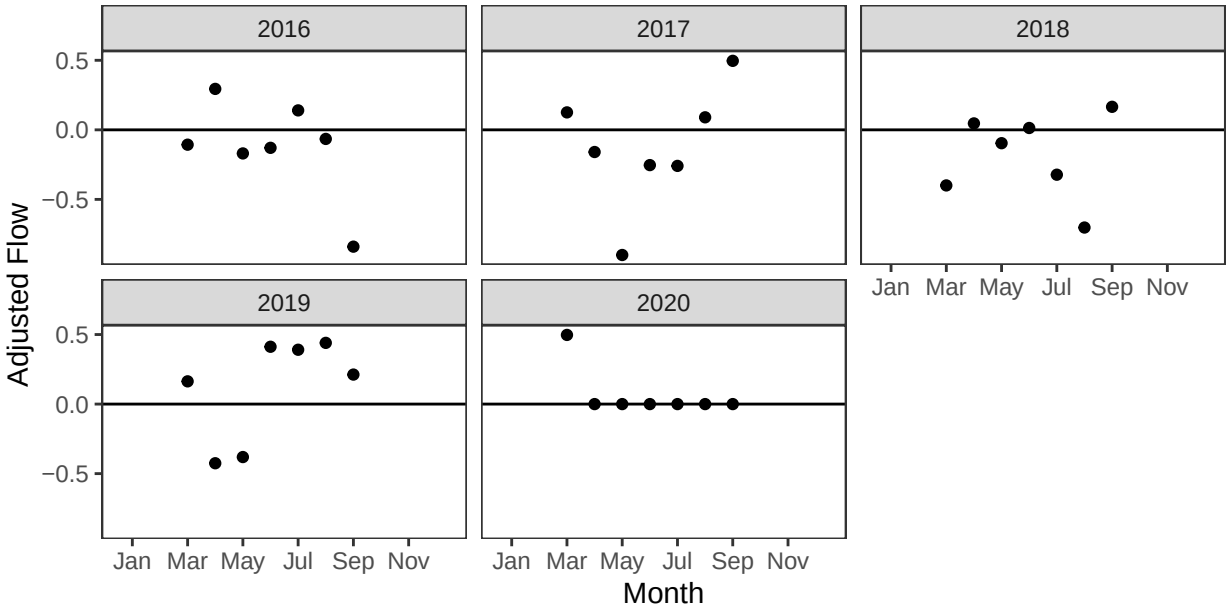
[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

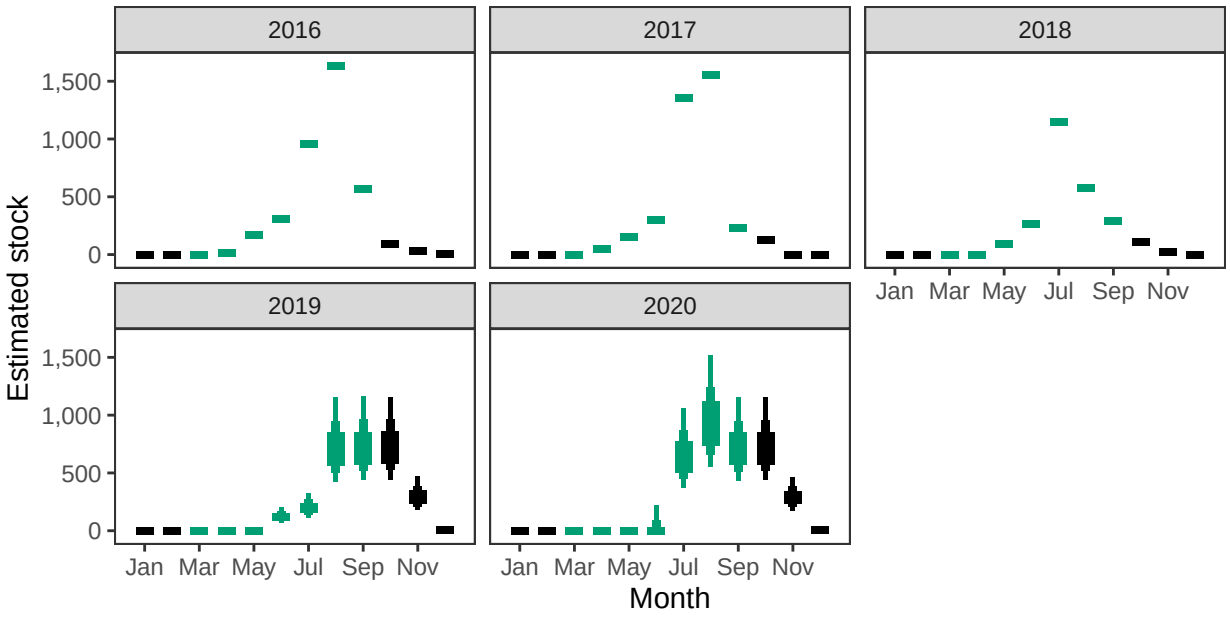
Reported Catches (black = retained, blue = released)



Monthly flow data

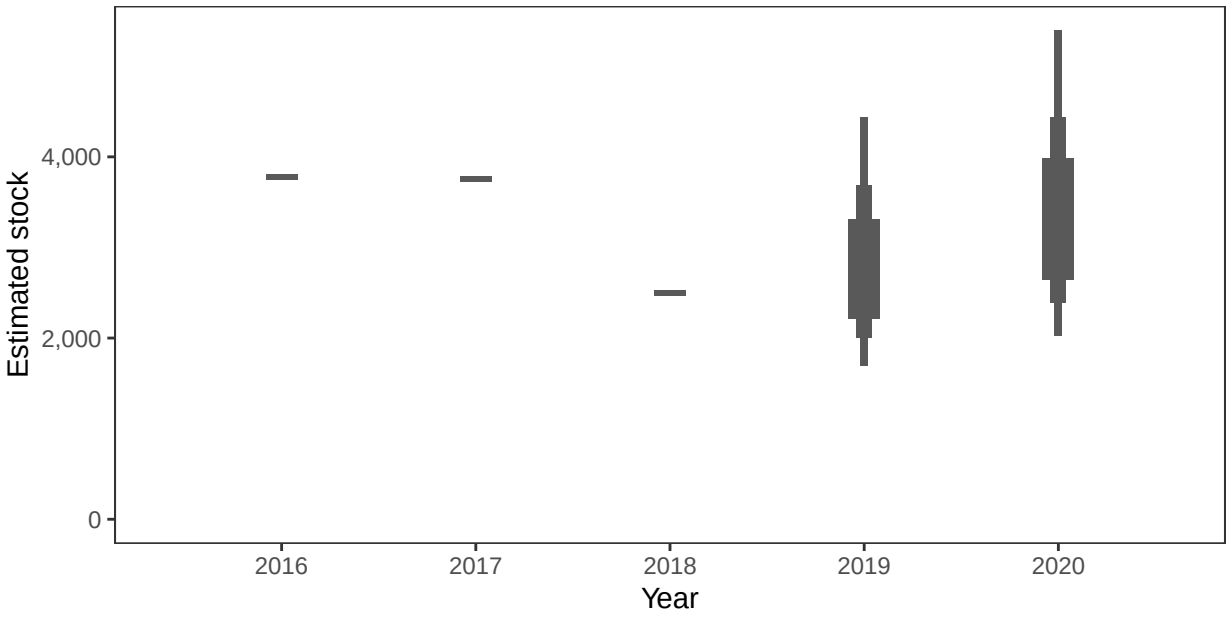


Monthly stock estimates (out of season in black)



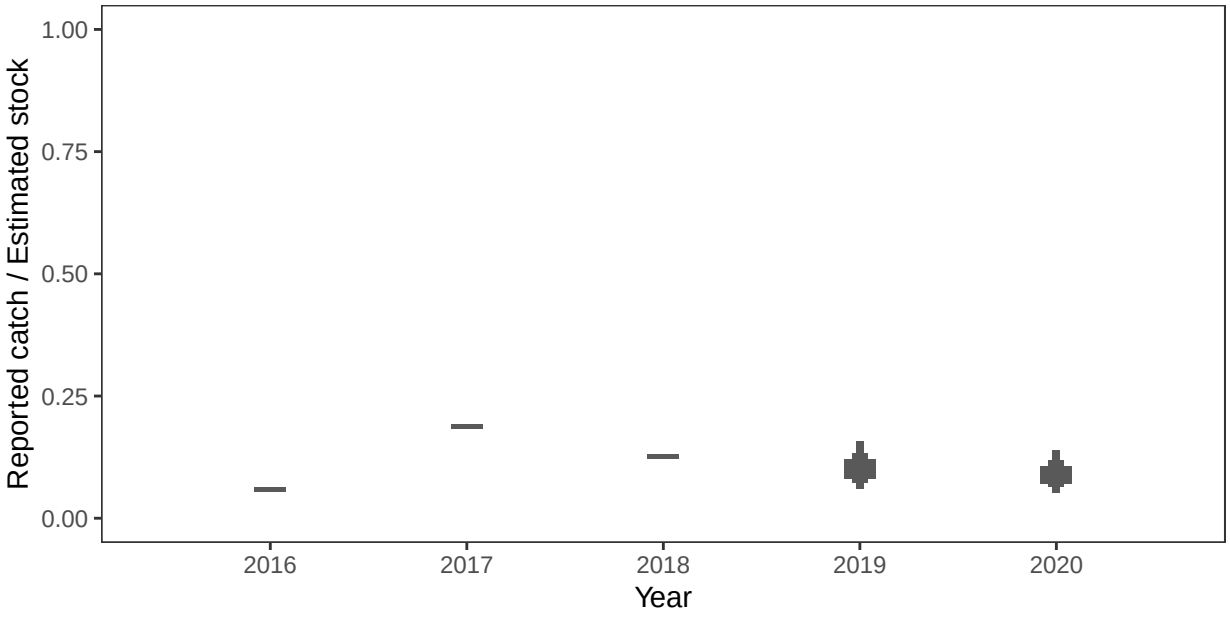
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock



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

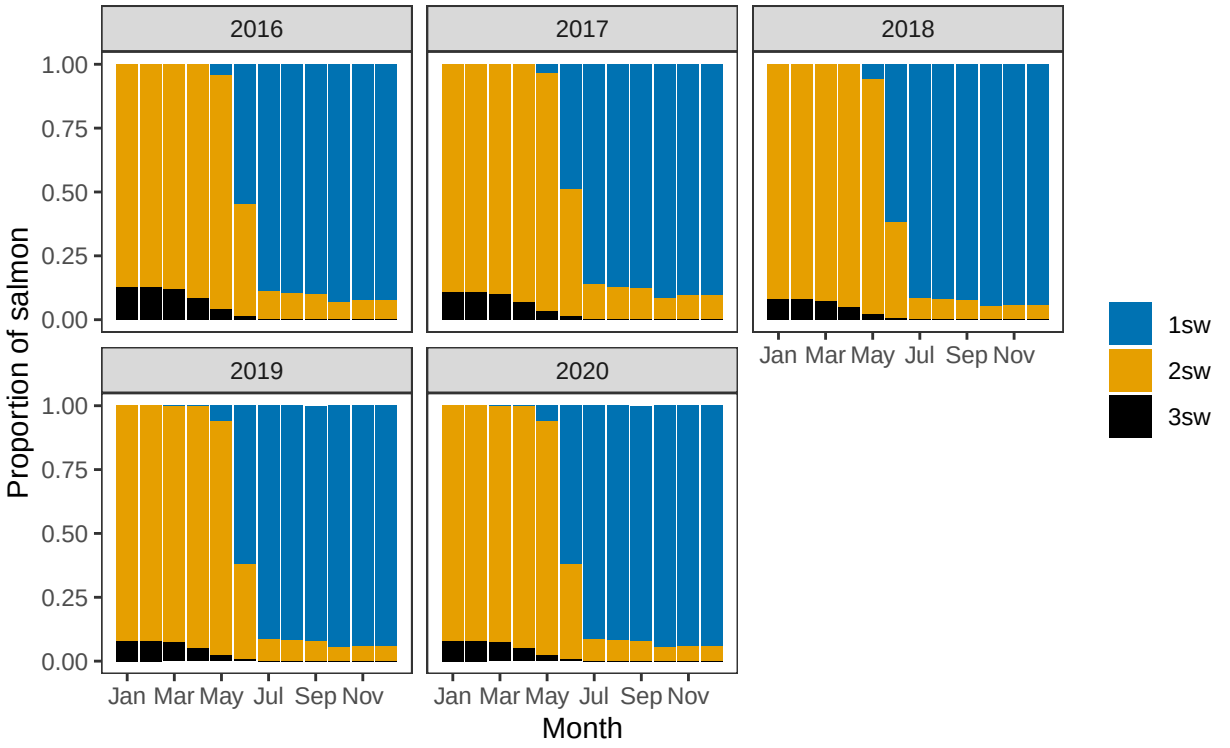
Annual catch as a proportion of stock



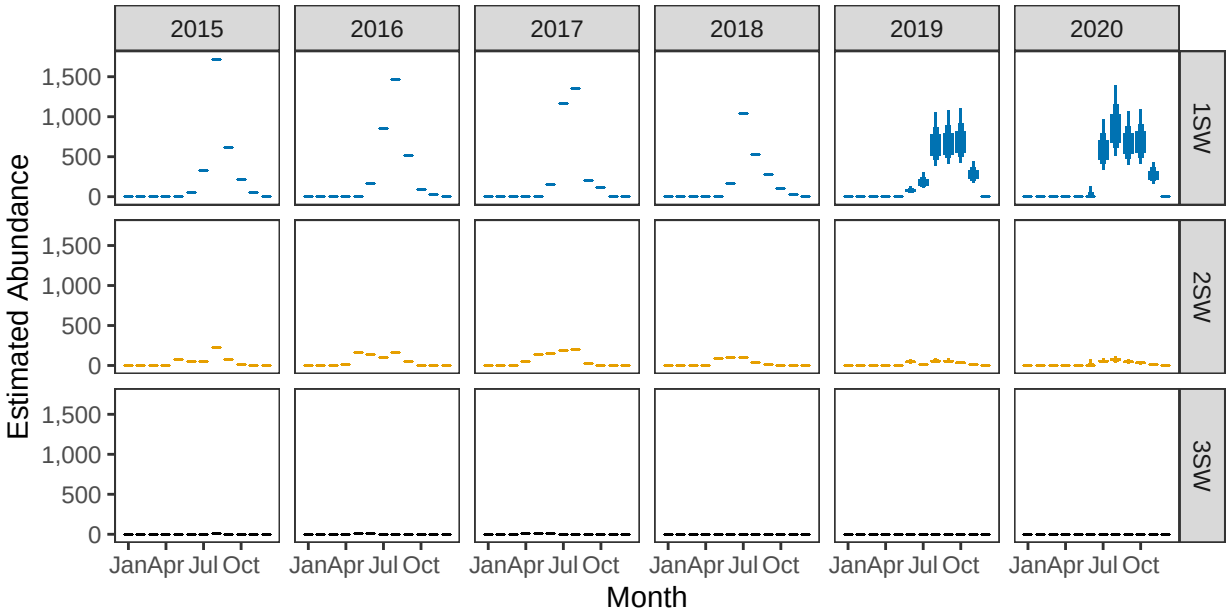
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

Ages of fish



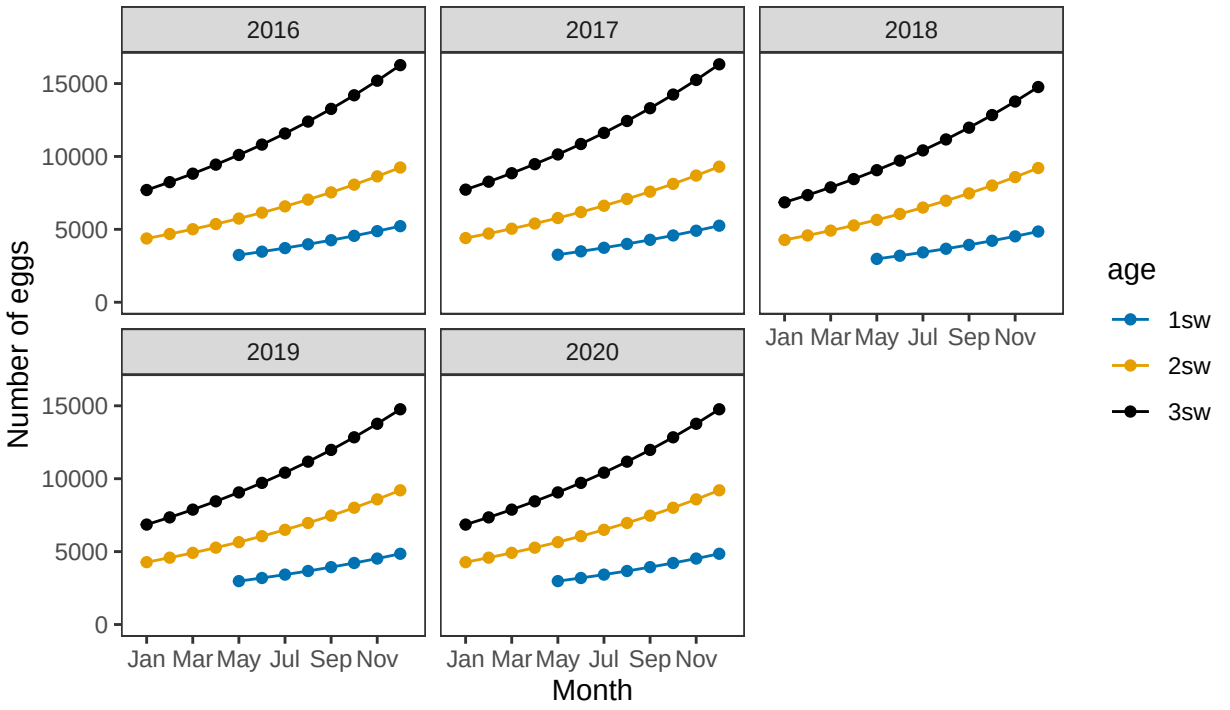
Monthly number of spawning females



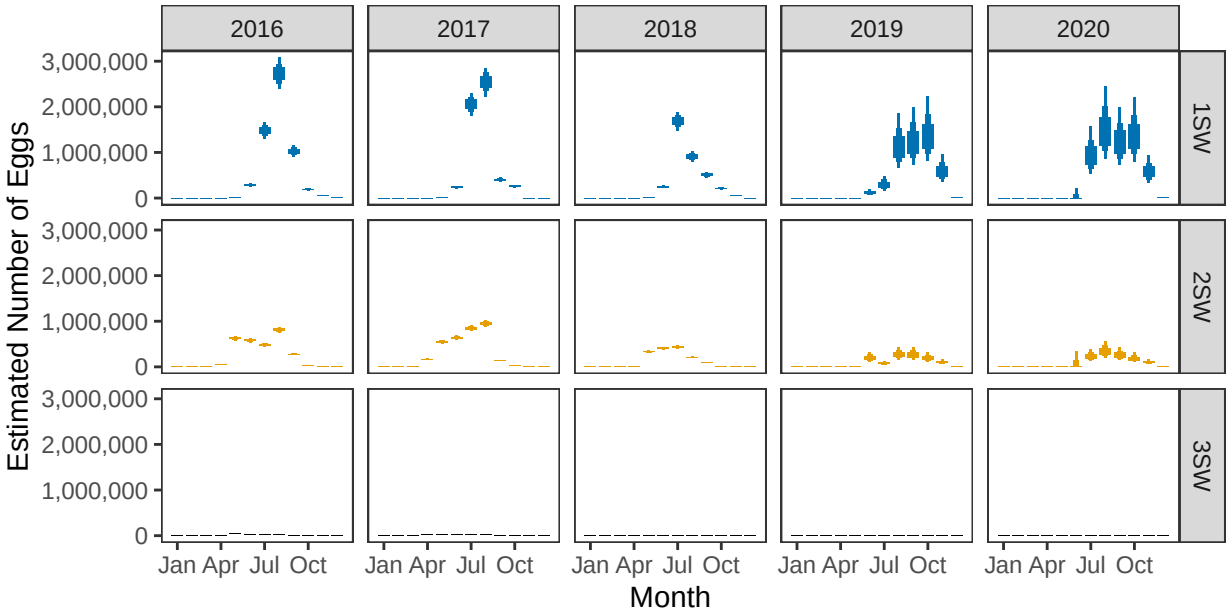
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

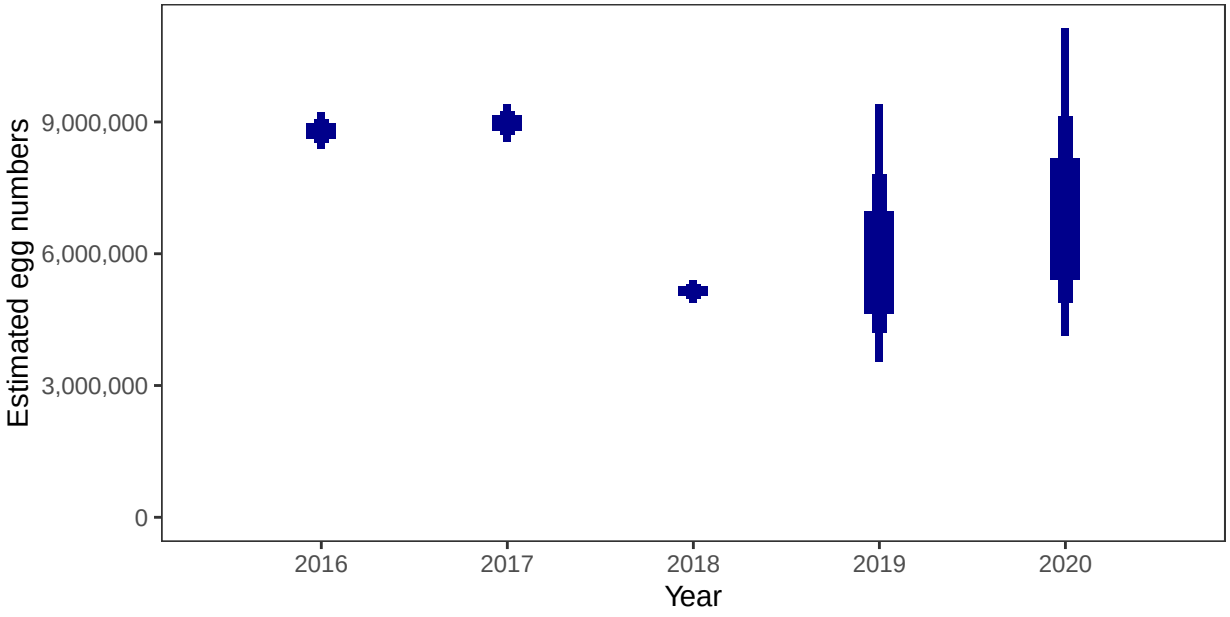


Monthly number of eggs



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

Total annual egg numbers



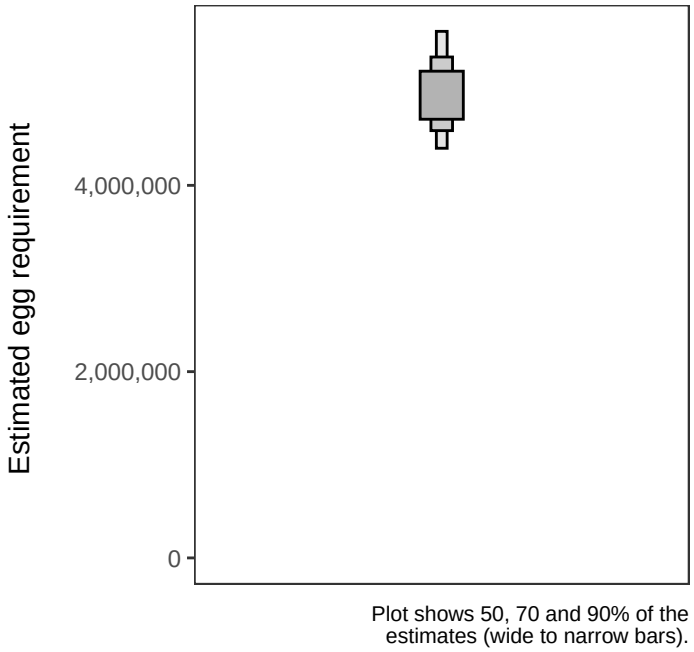
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

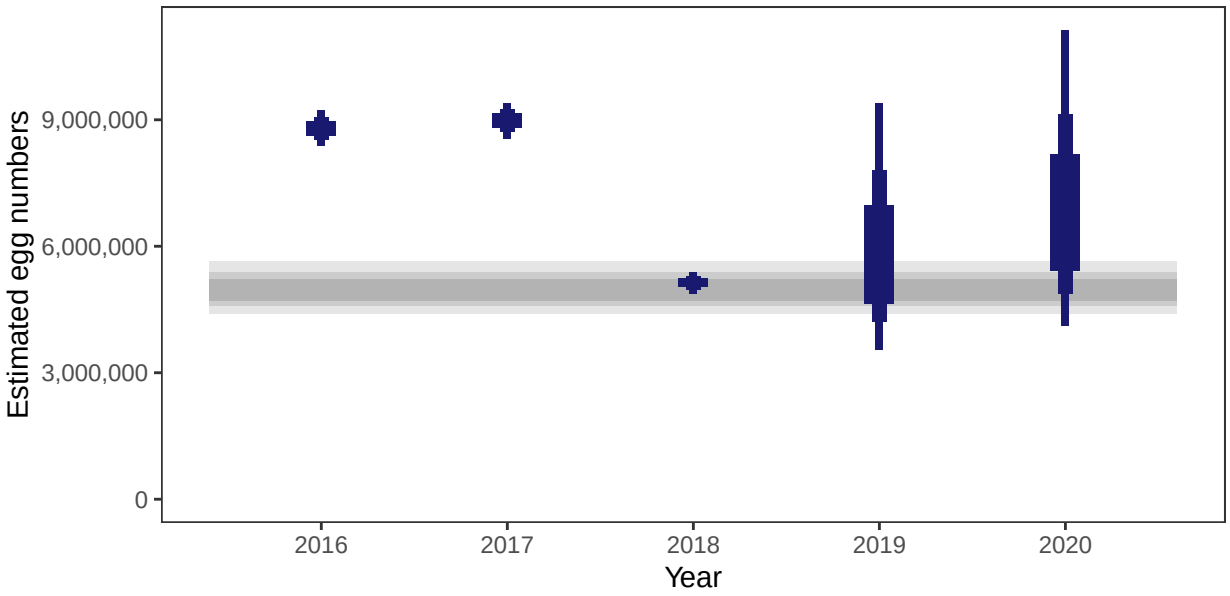
There is an estimated 1,568,607 square meters of known salmon habitat in the River Beauly and a further 249,192 square meters where salmon may be present.

Egg requirement



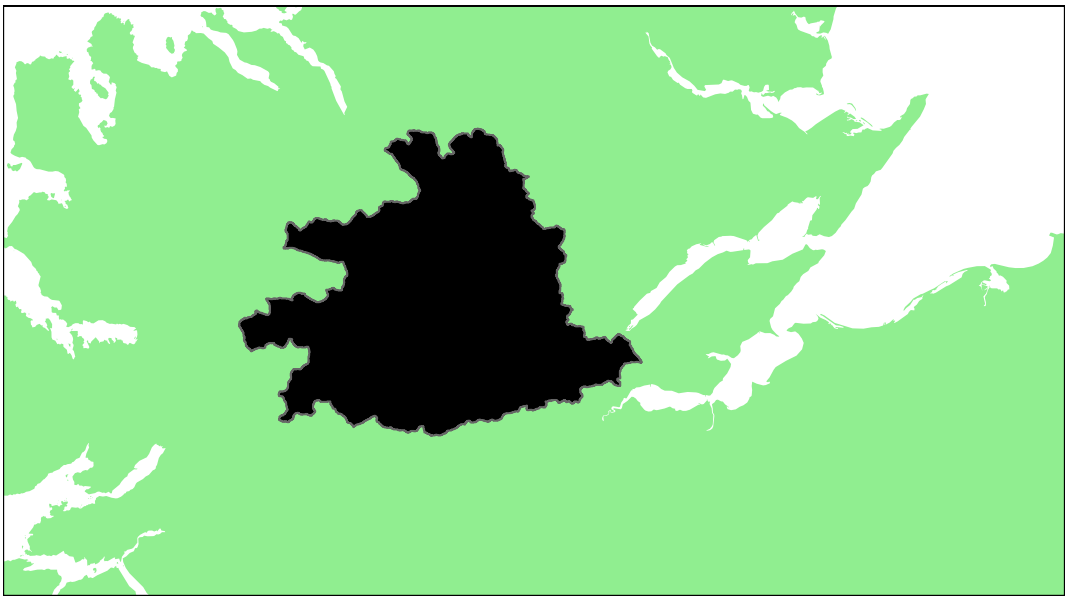
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	100.00
2017	100.00
2018	66.47
2019	66.98
2020	82.79



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 Conon: Grade 1



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

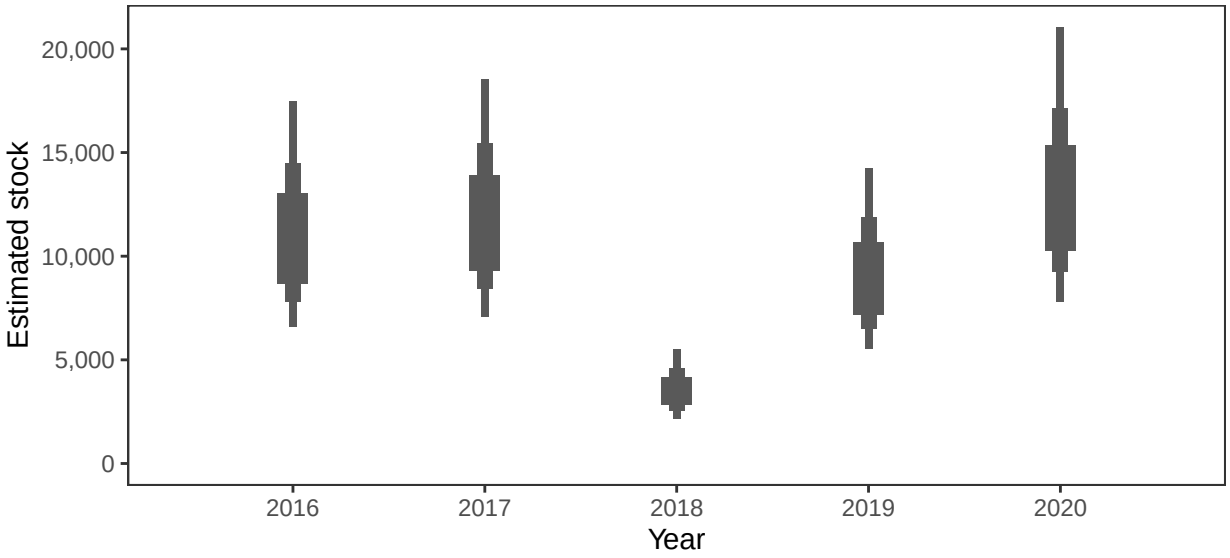
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.68	2,449,300	6,566,358	93.78	95.01	62.63	89.3	93.77	86.9	1

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

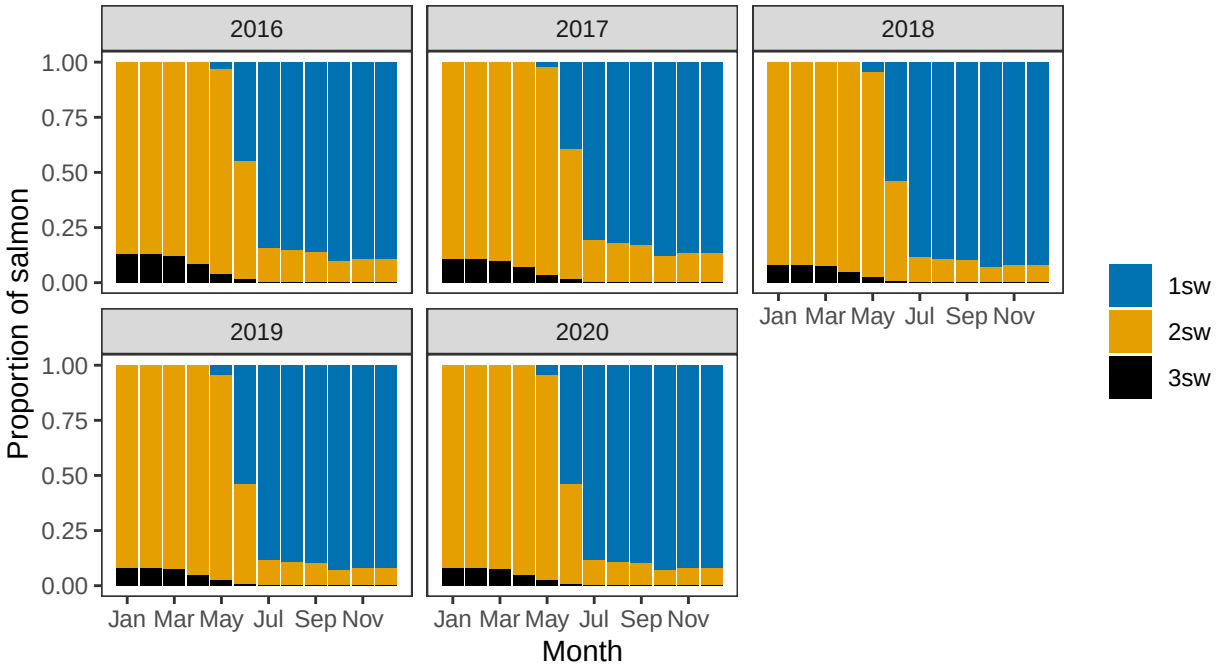
Annual estimated stock



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

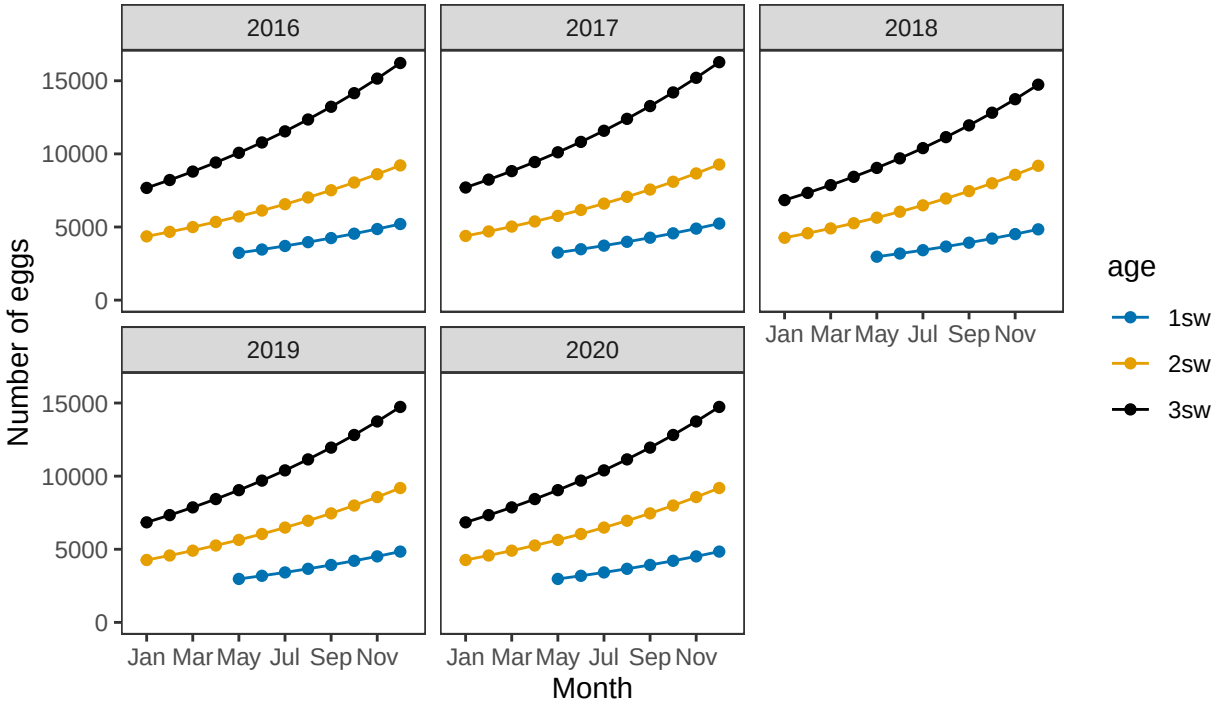
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

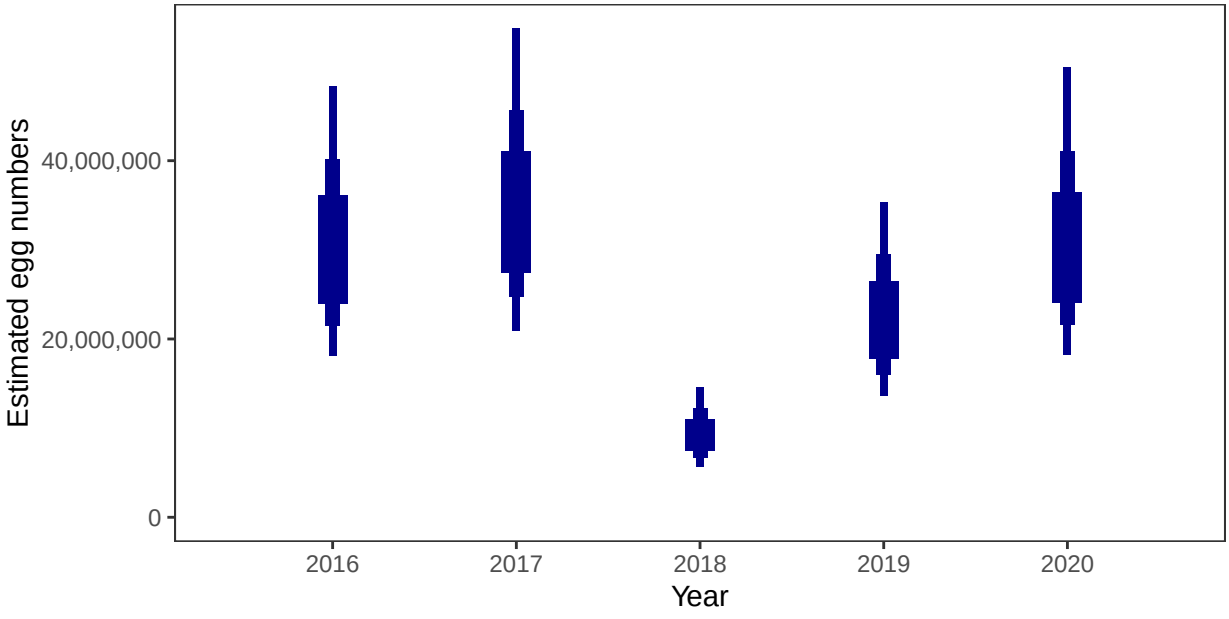


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



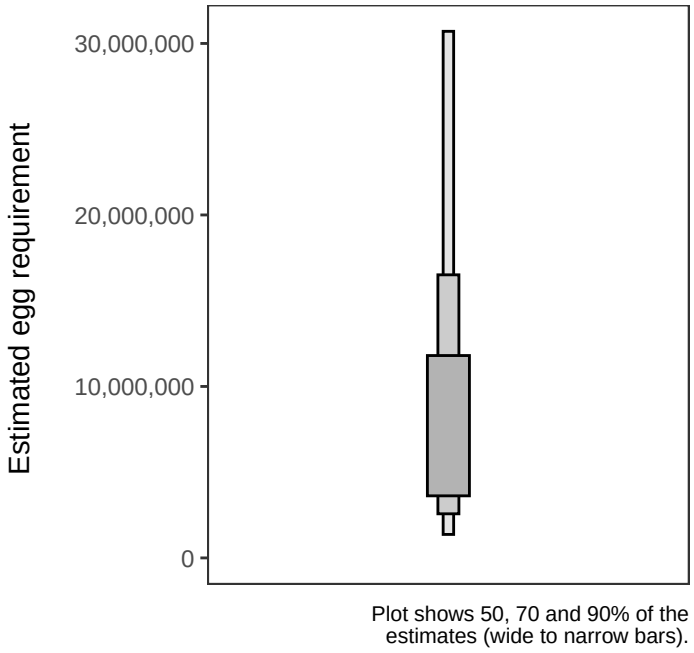
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

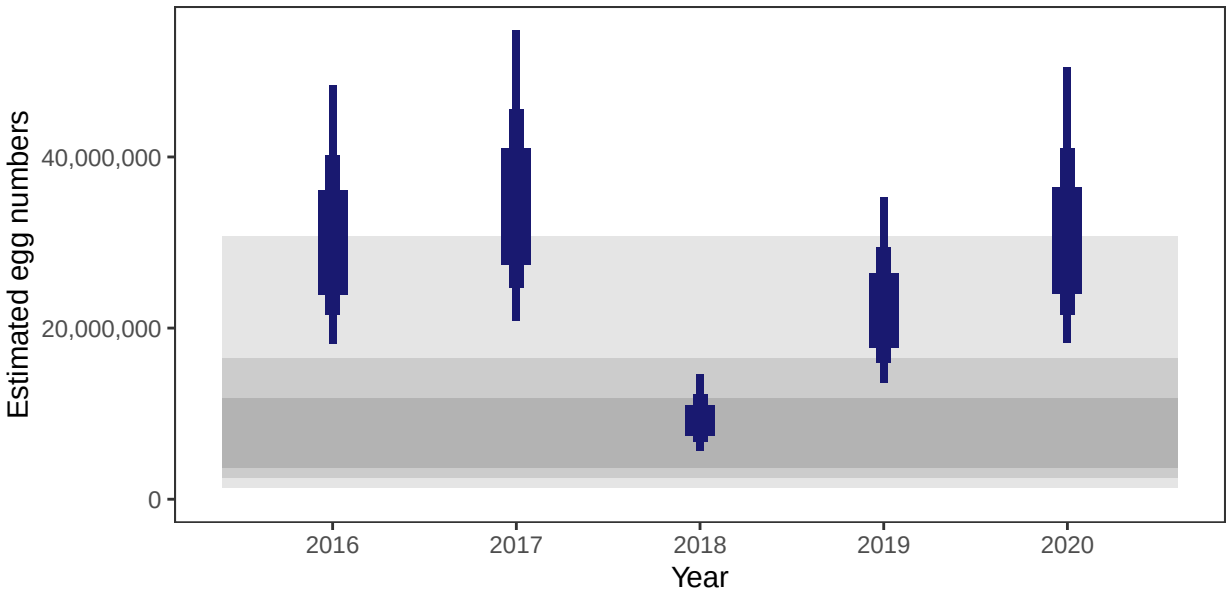
There is an estimated 2,457,814 square meters of known salmon habitat in the River Conon and a further 325,447 square meters where salmon may be present.

Egg requirement



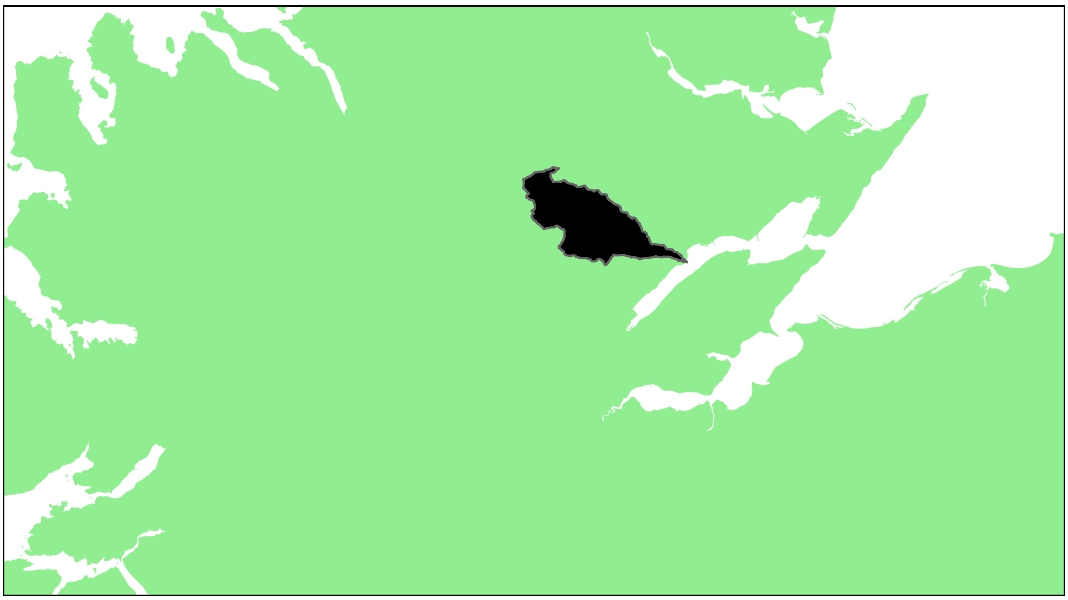
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	93.78
2017	95.01
2018	62.63
2019	89.30
2020	93.77



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 Glass: Grade 3



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

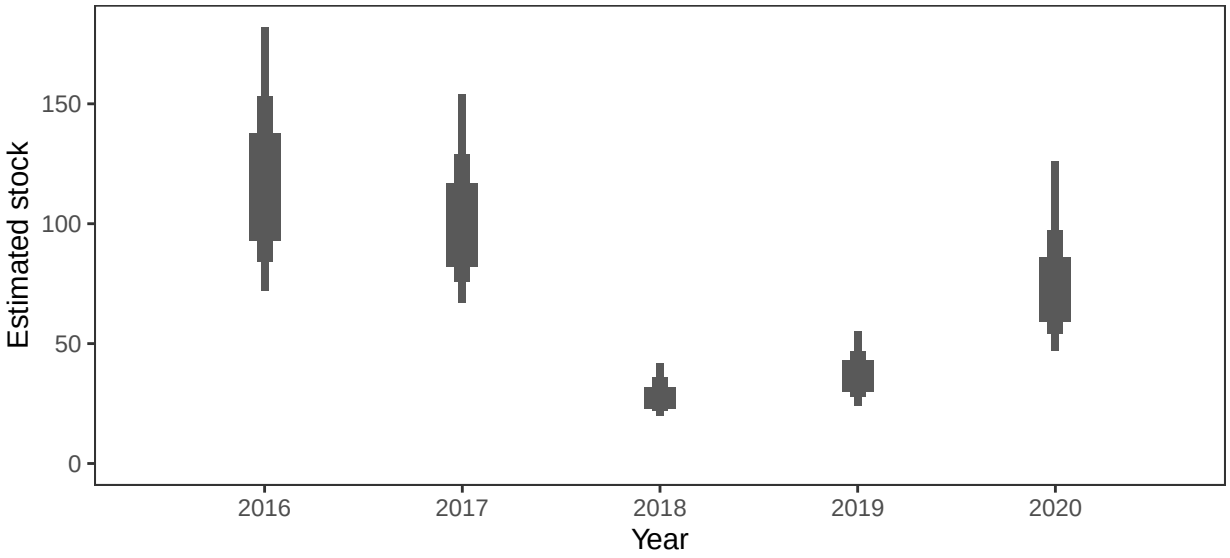
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.57	47,600	122,257	82.59	78.49	22.6	30.97	62.79	55.49	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

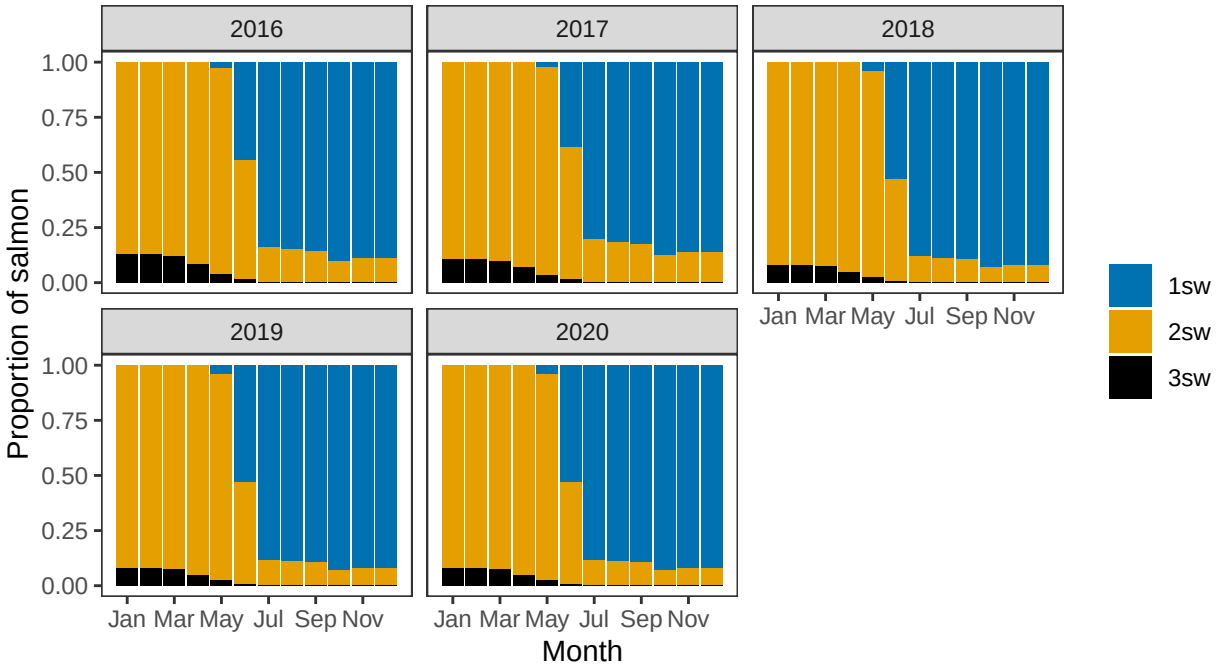
Annual estimated stock



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

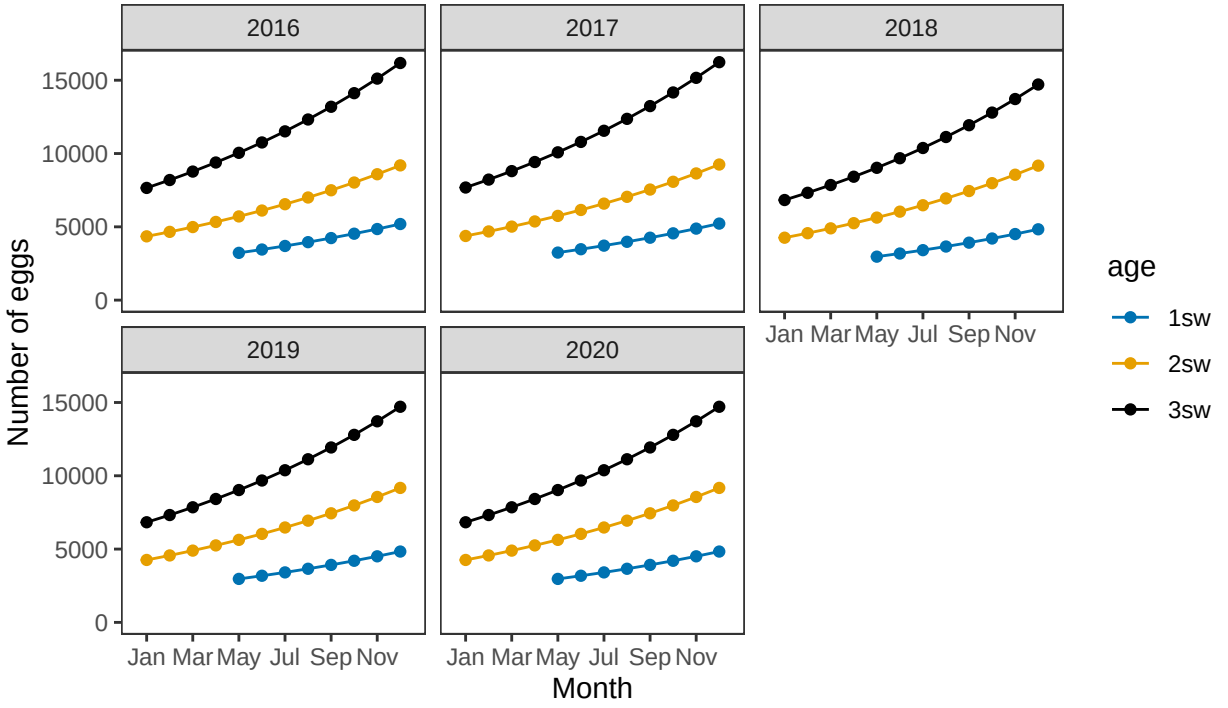
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

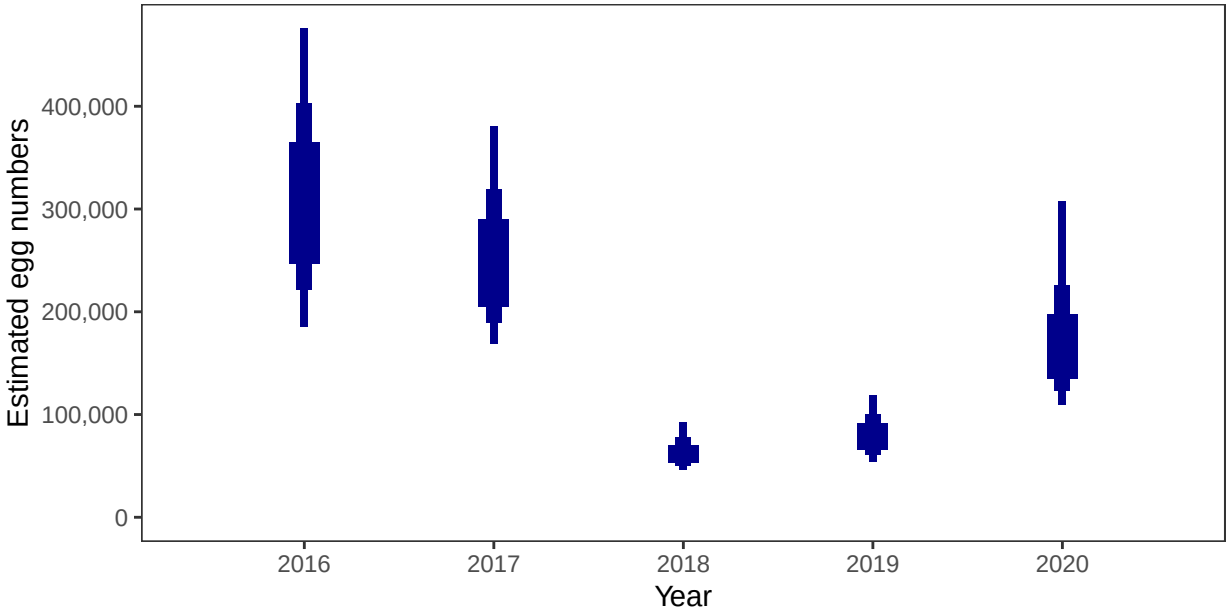


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



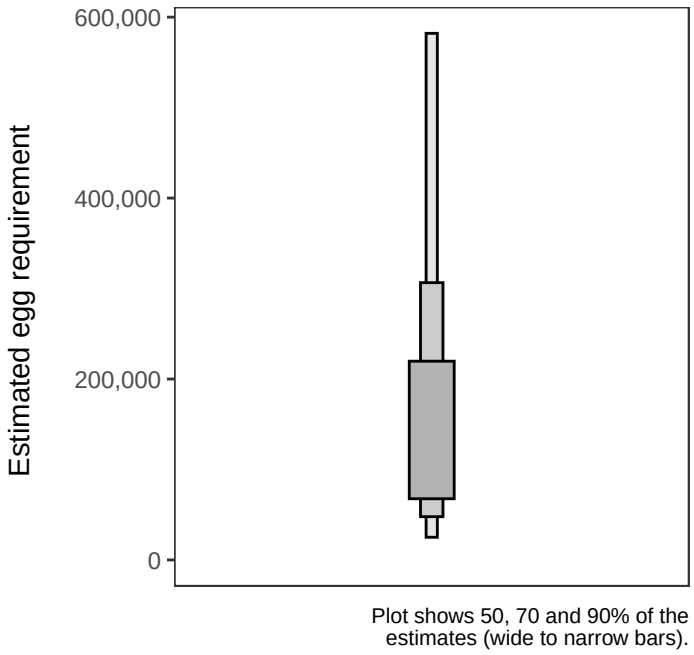
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

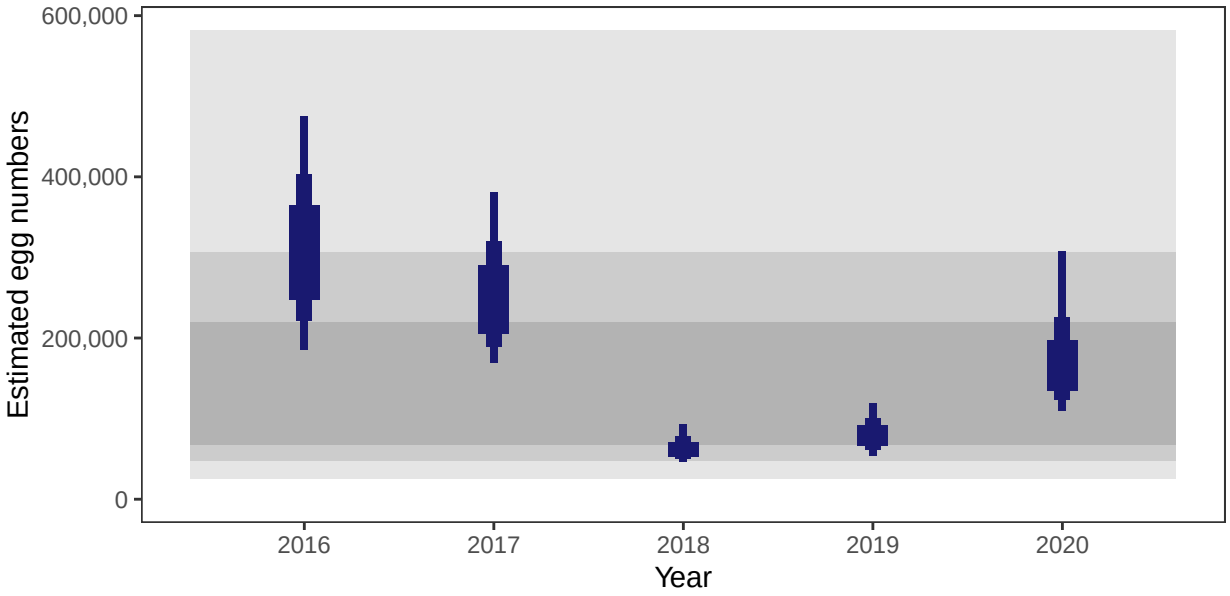
There is an estimated 54,078 square meters of known salmon habitat in the River Glass and a further 25 square meters where salmon may be present.

Egg requirement



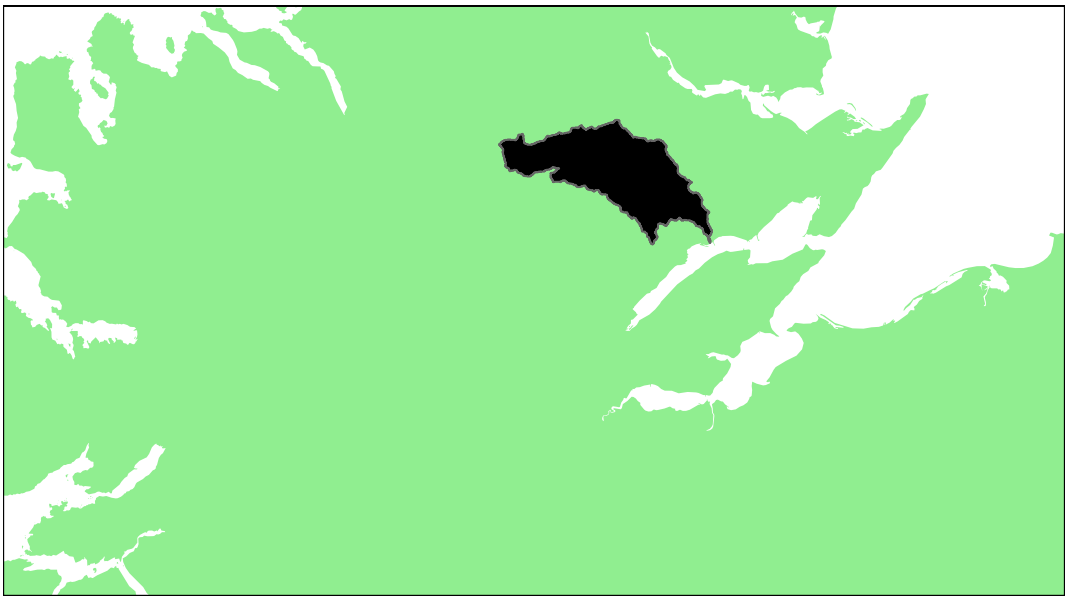
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	82.59
2017	78.49
2018	22.60
2019	30.97
2020	62.79



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)

Alness River: Grade 2



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

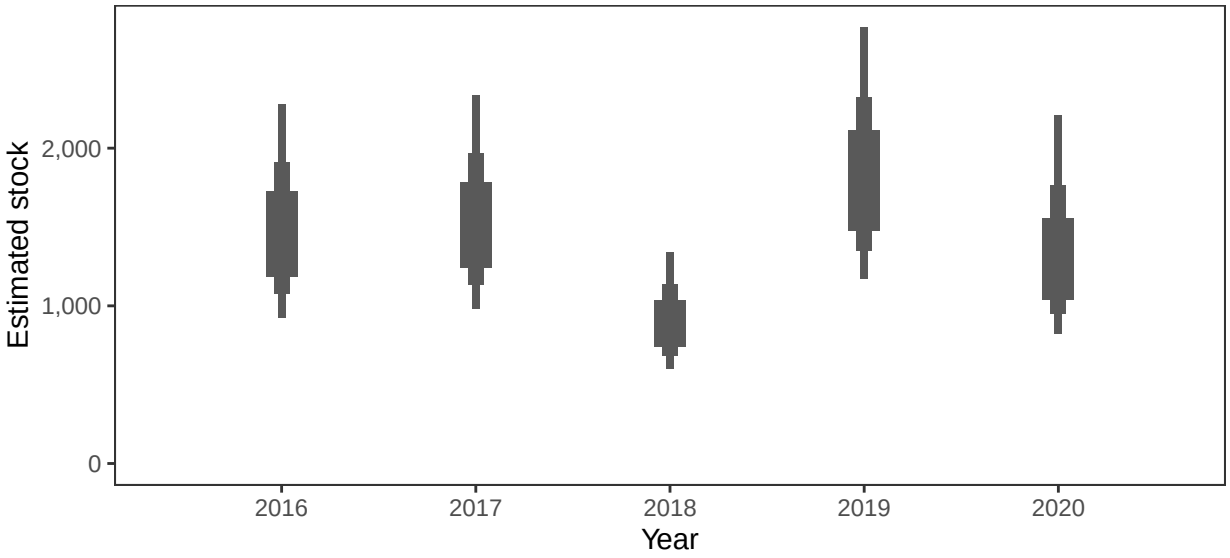
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.53	578,200	1,462,922	82.16	85.19	61.36	86.95	79.32	79	2

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

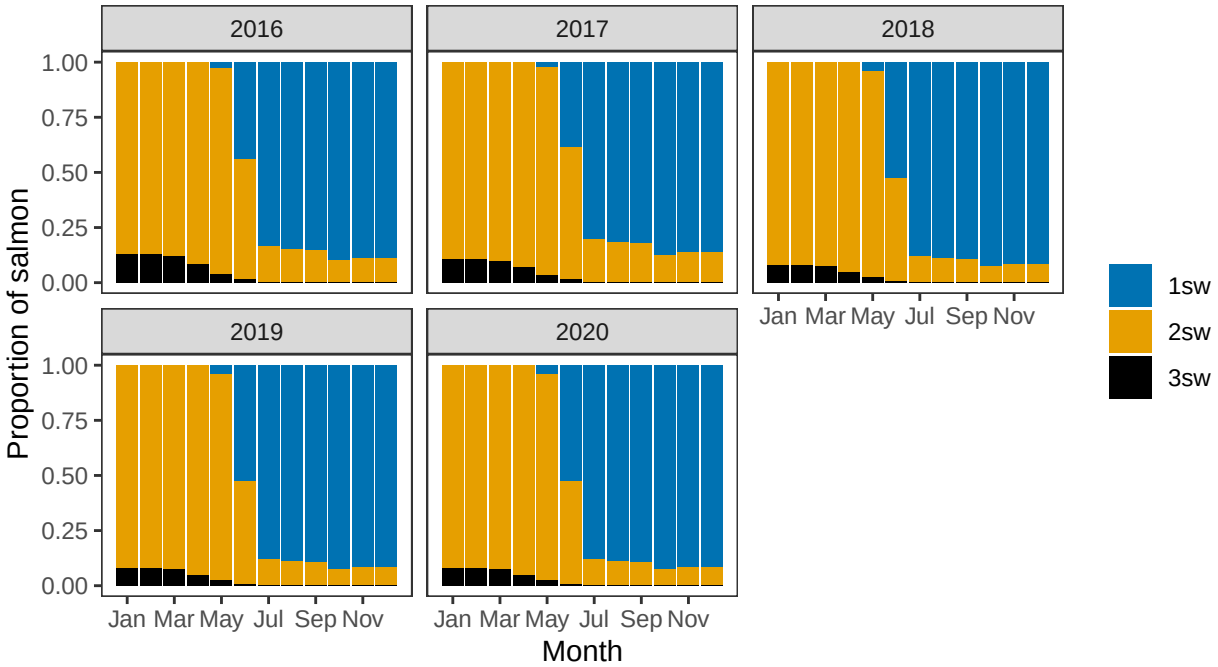
Annual estimated stock



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

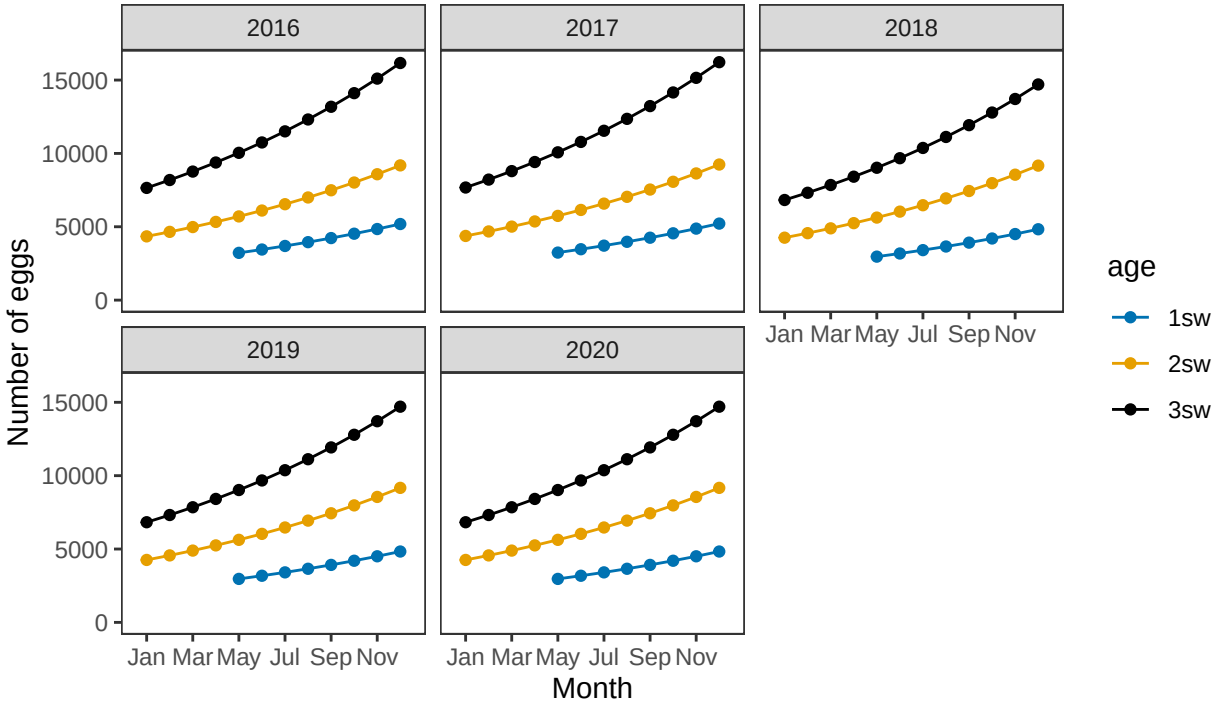
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

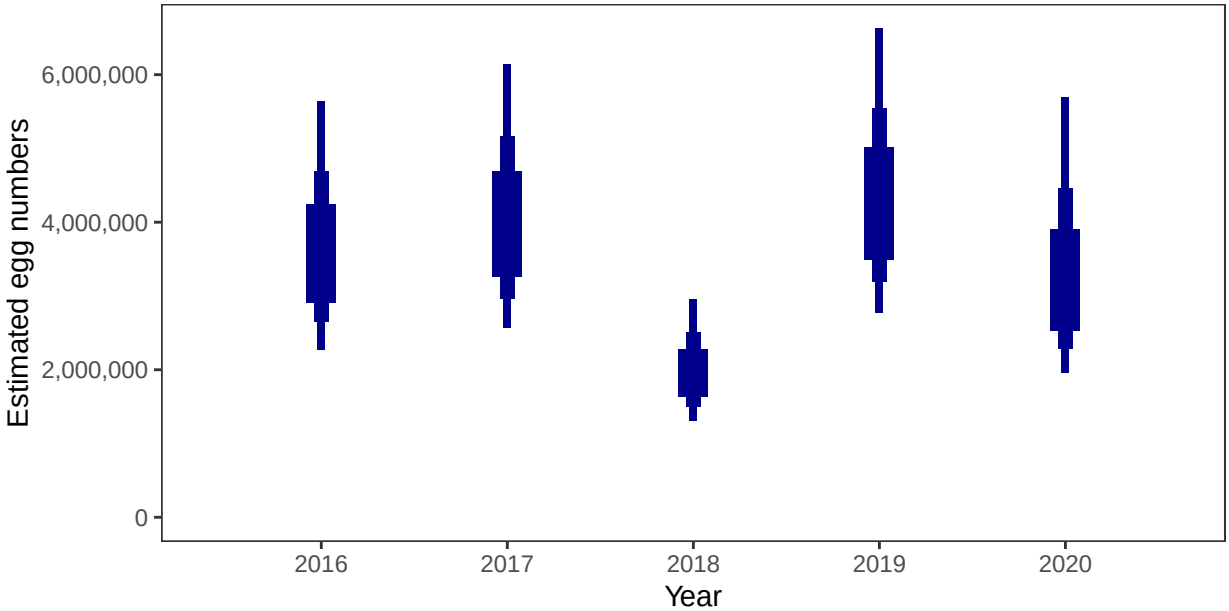


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



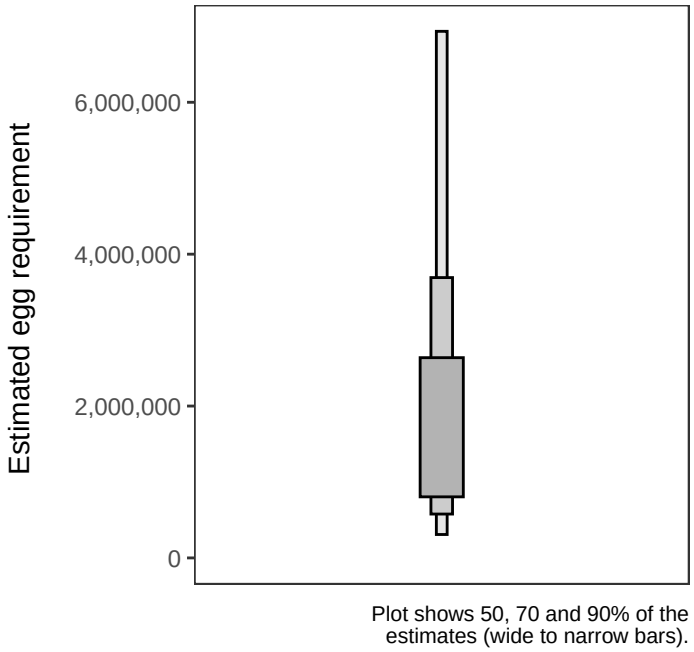
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

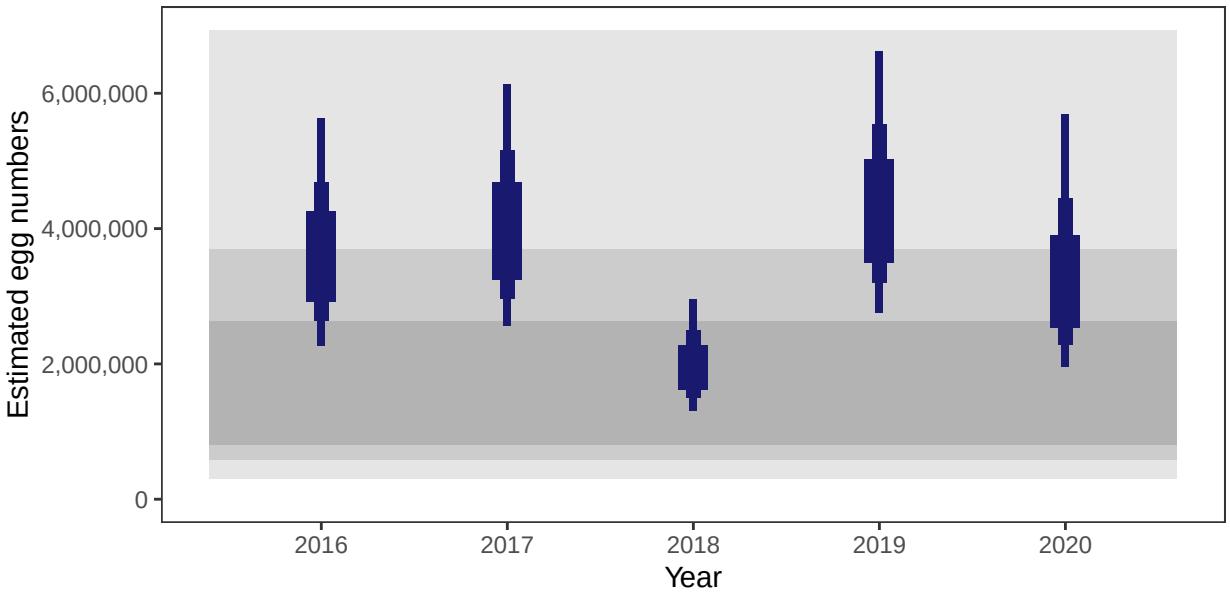
There is an estimated 648,228 square meters of known salmon habitat in the Alness River and a further 8,771 square meters where salmon may be present.

Egg requirement



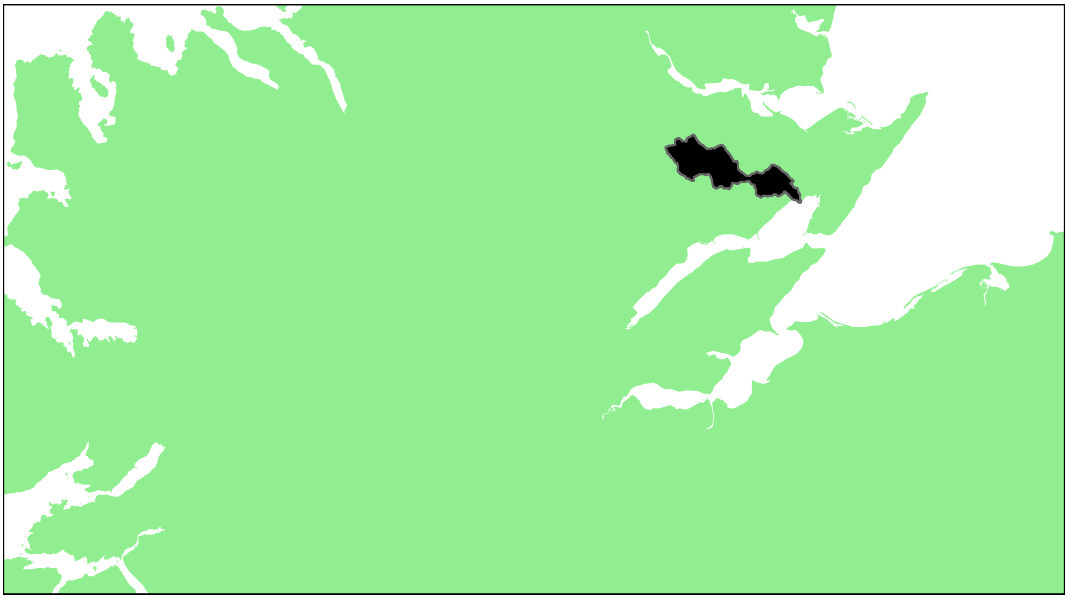
5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	82.16
2017	85.19
2018	61.36
2019	86.95
2020	79.32



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)

Balnagowan River: Grade 3



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

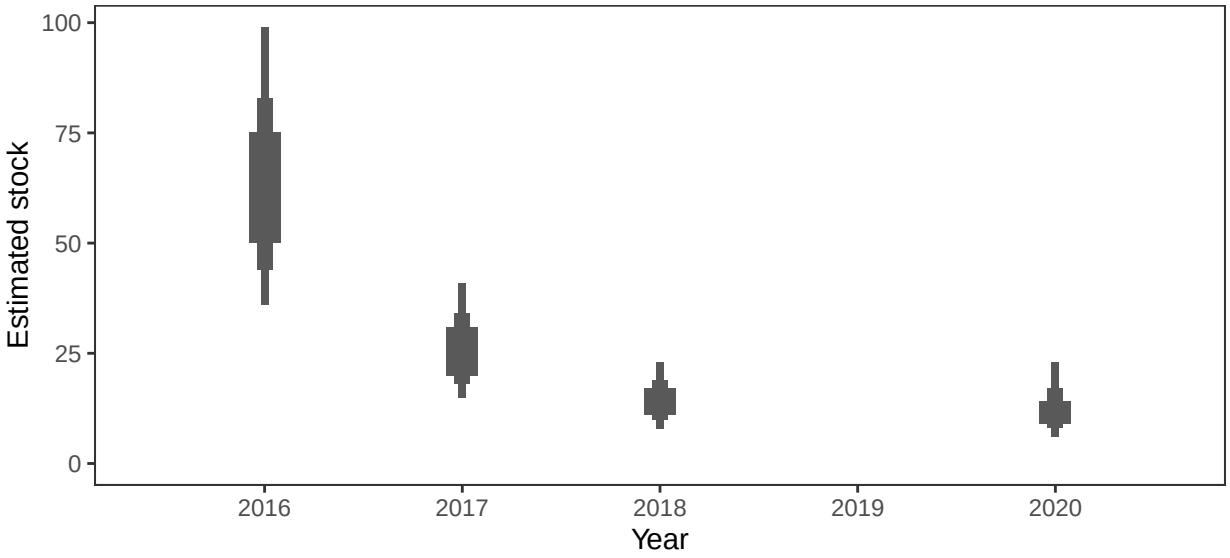
Summary Table

Eggs required (m^2)[a]	Area (m^2)[a]	Total egg requirement[a]	Percentage chance meeting requirement						Grade
			2016	2017	2018	2019	2020	Overall	
2.49	172,800	430,638	12.87	2.73	0.66	0	0.88	3.43	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

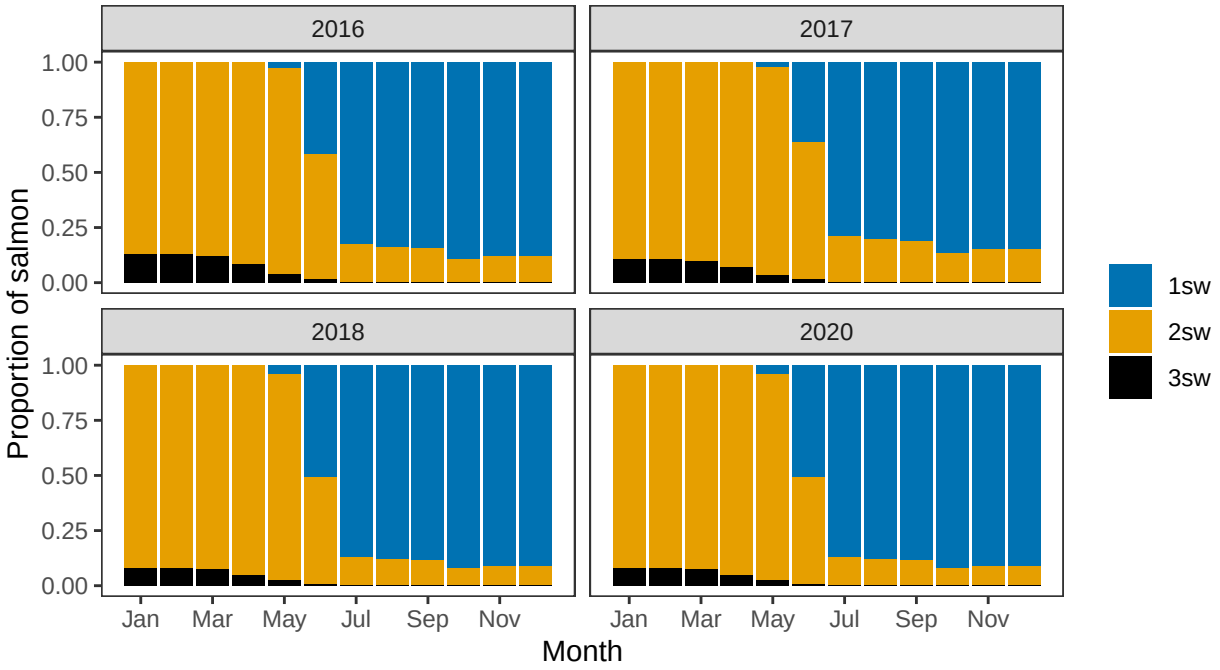
Annual estimated stock



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

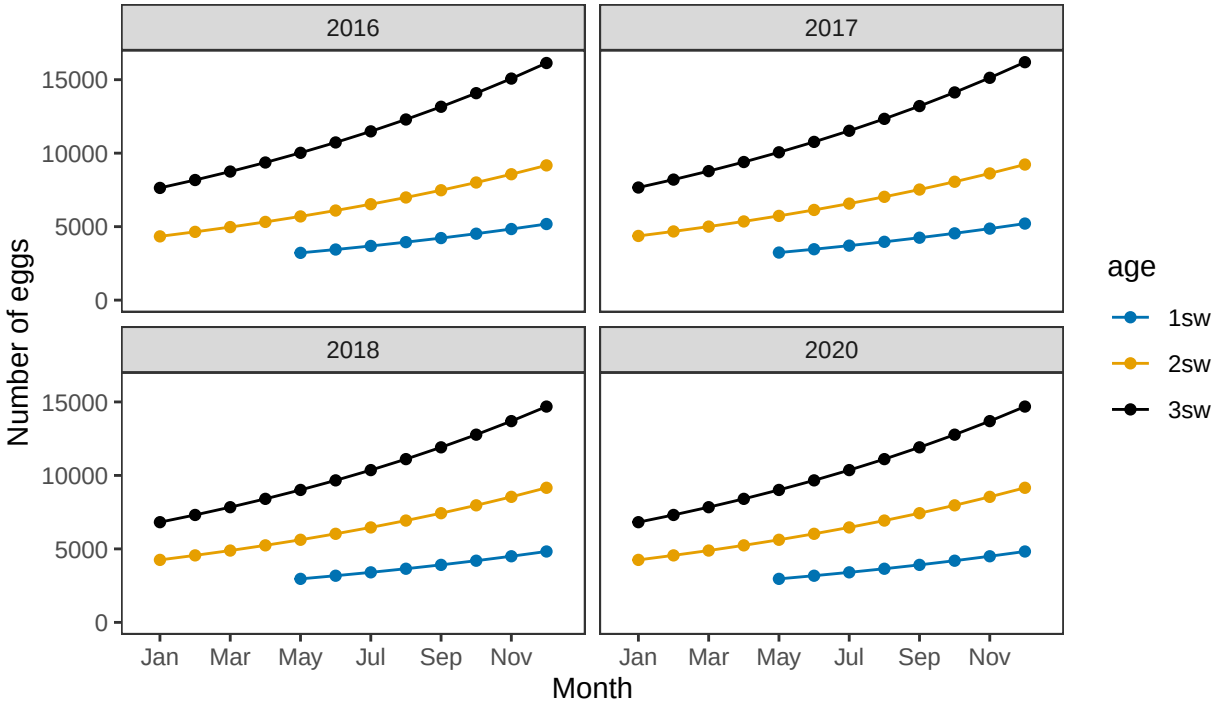
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females

Ages of fish

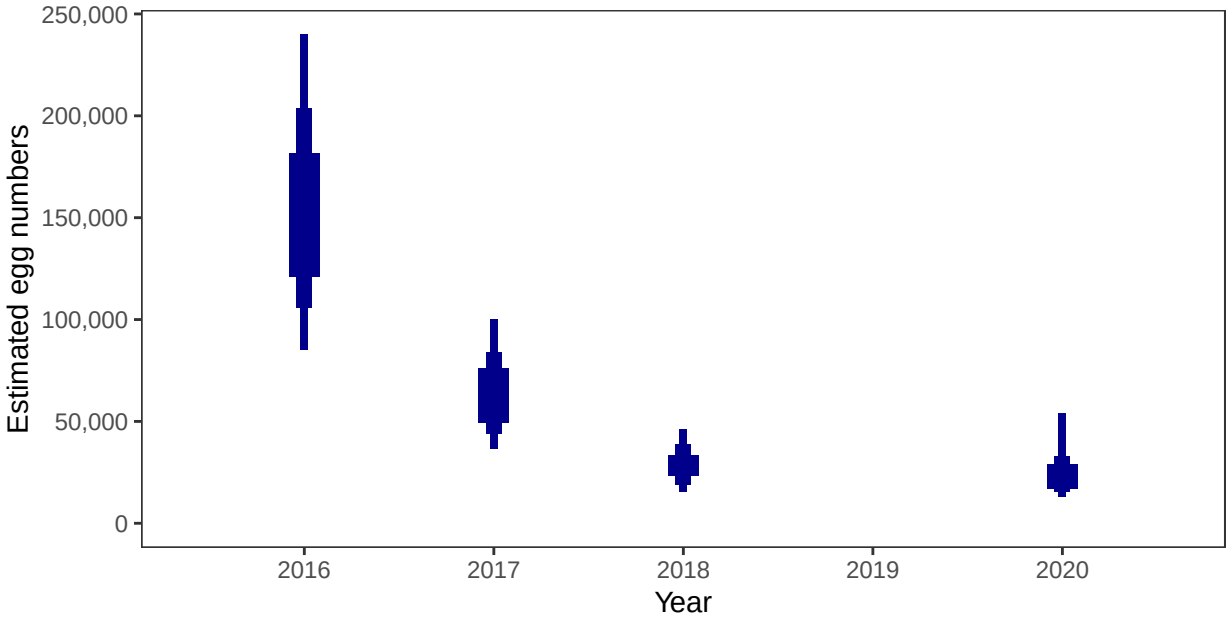


3. Converting Number of Spawners to Number of Eggs

Egg contents of females



Total annual egg numbers



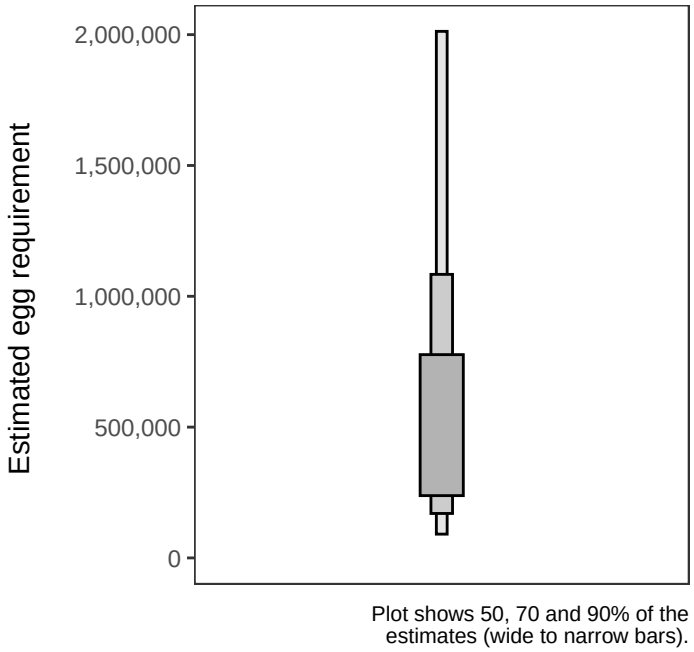
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

4. Egg requirement

Areas of salmon habitat in square meters

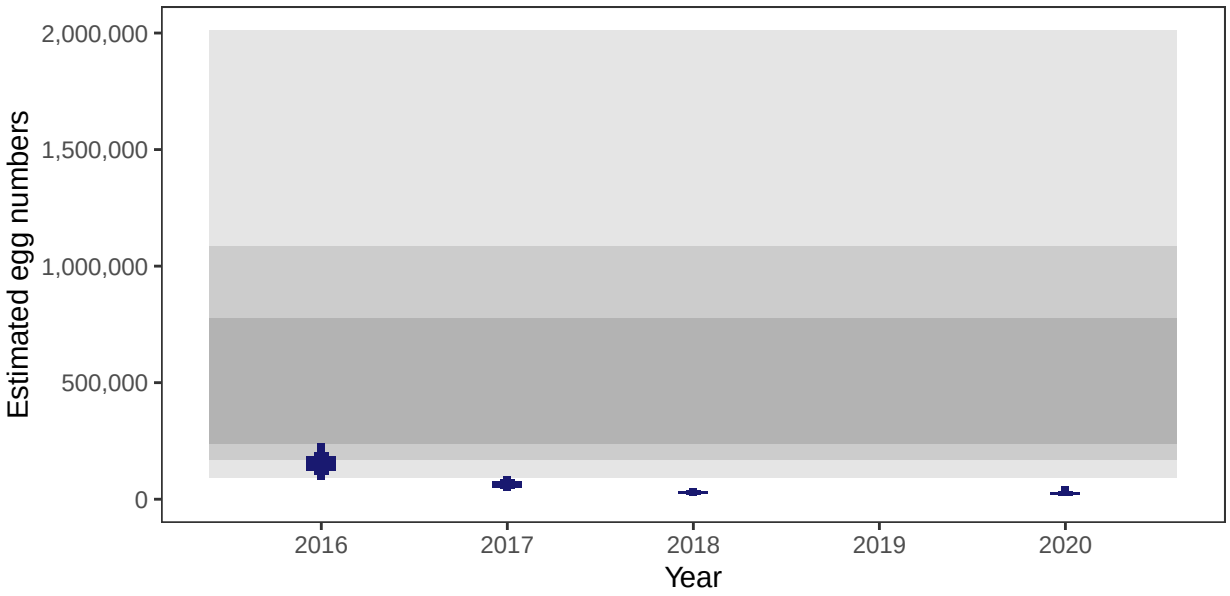
There is an estimated 190,152 square meters of known salmon habitat in the Balnagowan River and a further 6,181 square meters where salmon may be present.

Egg requirement



5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2016	12.87
2017	2.73
2018	0.66
2019	-
2020	0.88



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)