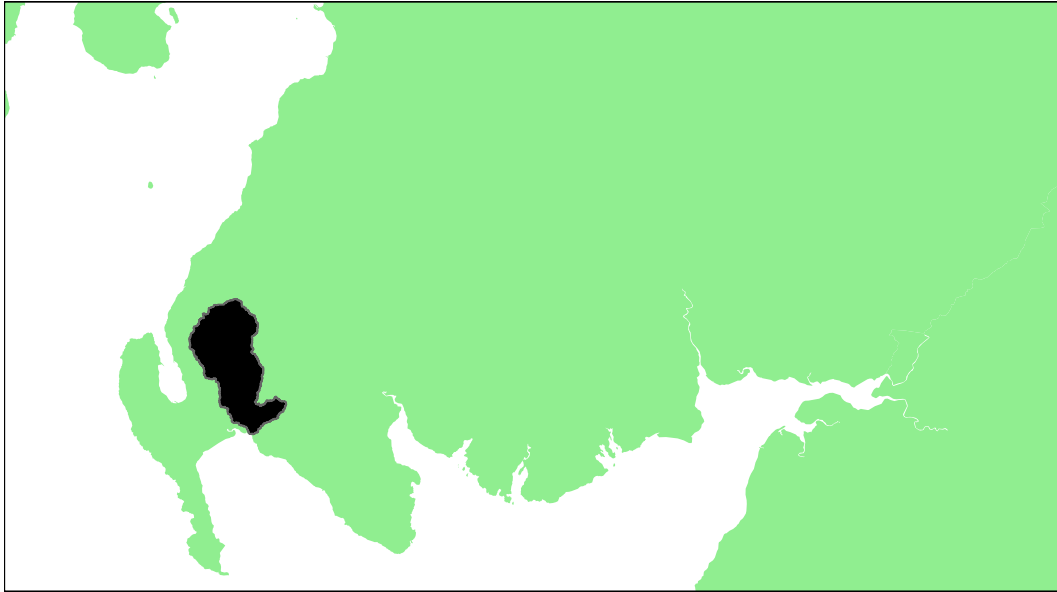# Solway Region

Water of Luce: Grade 3

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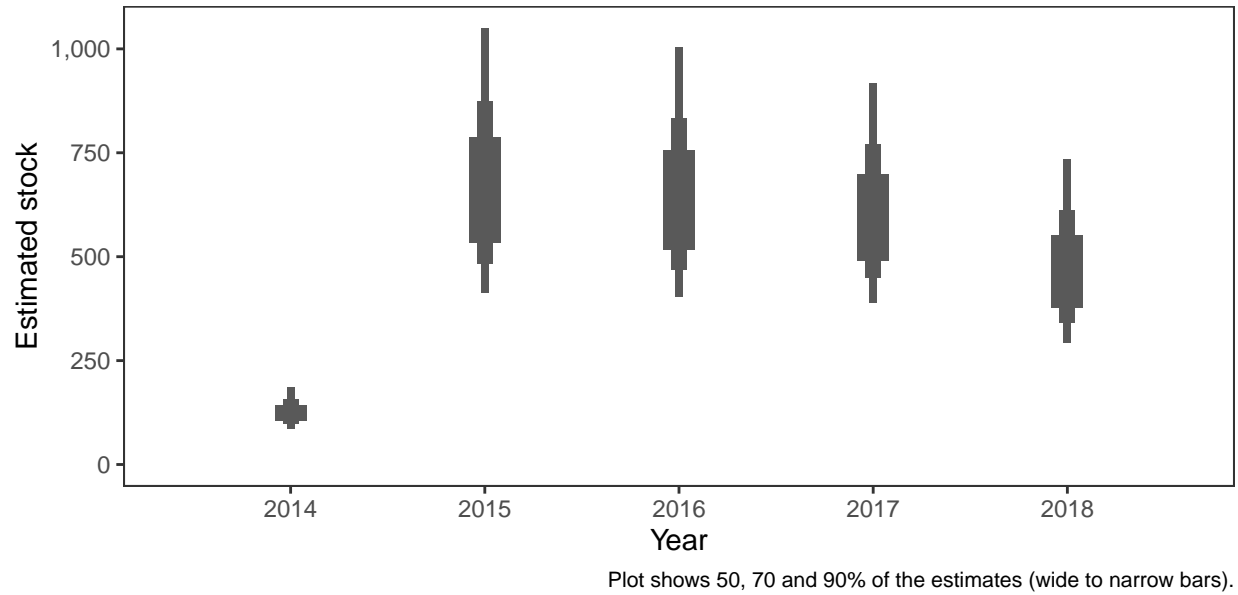
Summary Table

| Eggs required (m²)[a] | Area (m²)[a] | Total egg requirement[a] | Percentage chance meeting requirement | | | | | | |
			2014	2015	2016	2017	2018	Overall	Grade
2.01	551,800	1,110,360	16.2	69.48	66.69	67.11	48.84	53.66	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

Annual estimated stock

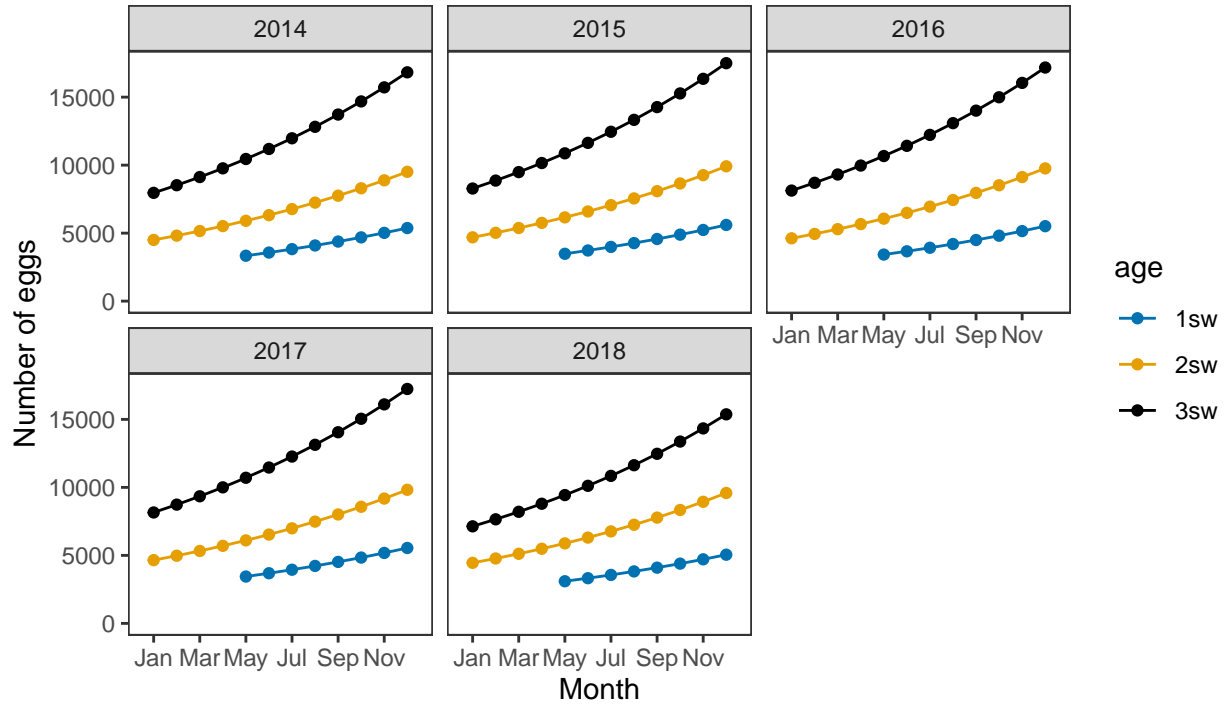Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

2. Converting Numbers of Returning Salmon to Numbers of Spawning Females
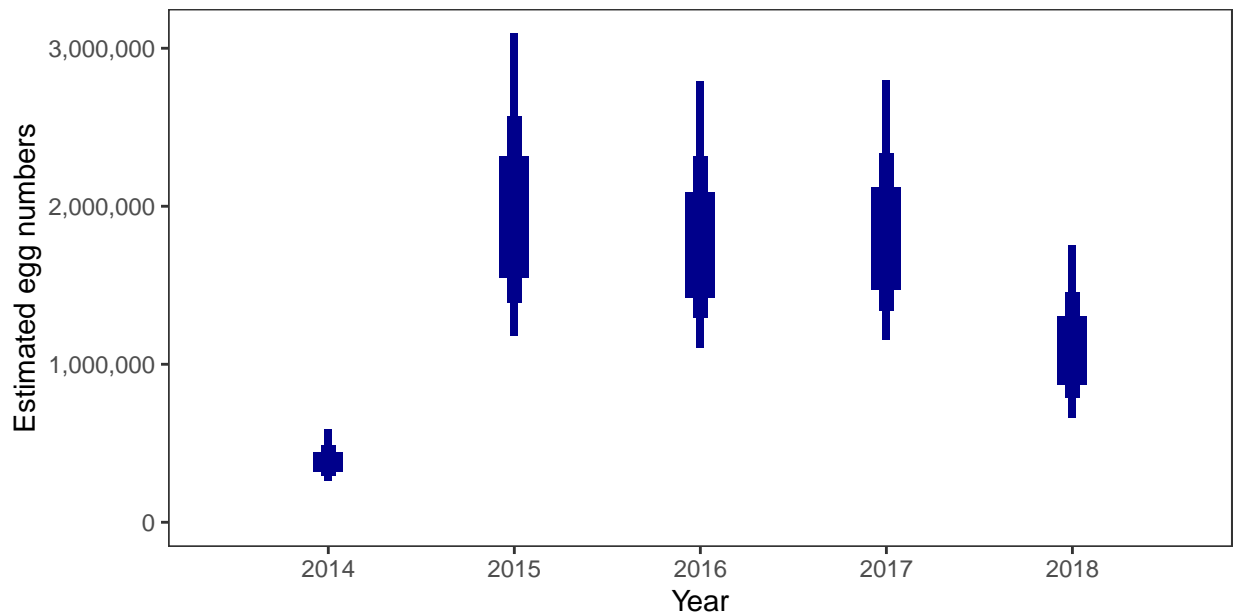
Ages of fish
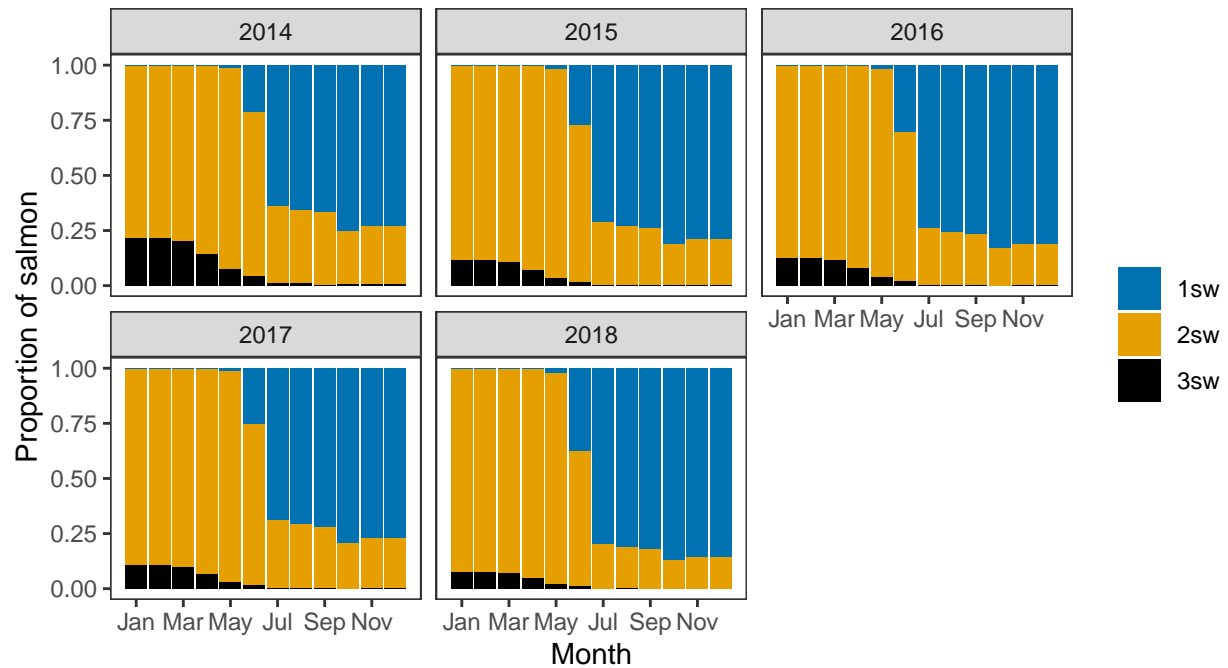
3. Converting Number of Spawners to Number of Eggs
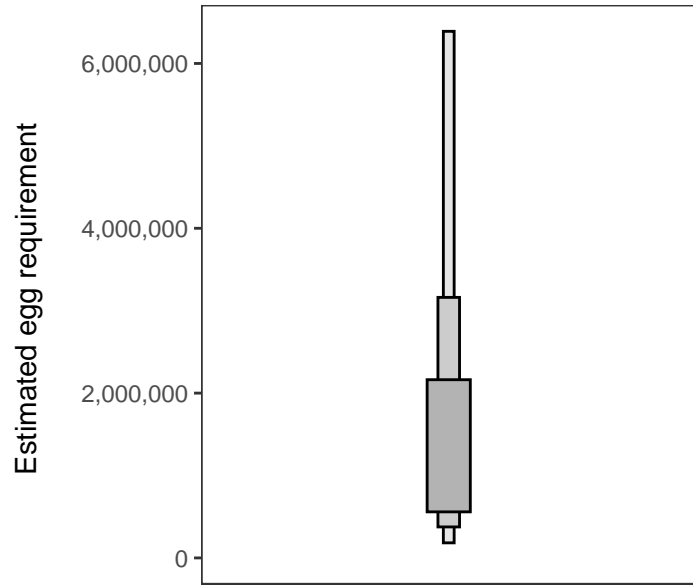
Egg contents of females

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 588,902 square meters of known salmon habitat in the Water of Luce and a further 38,145 square meters where salmon may be present.
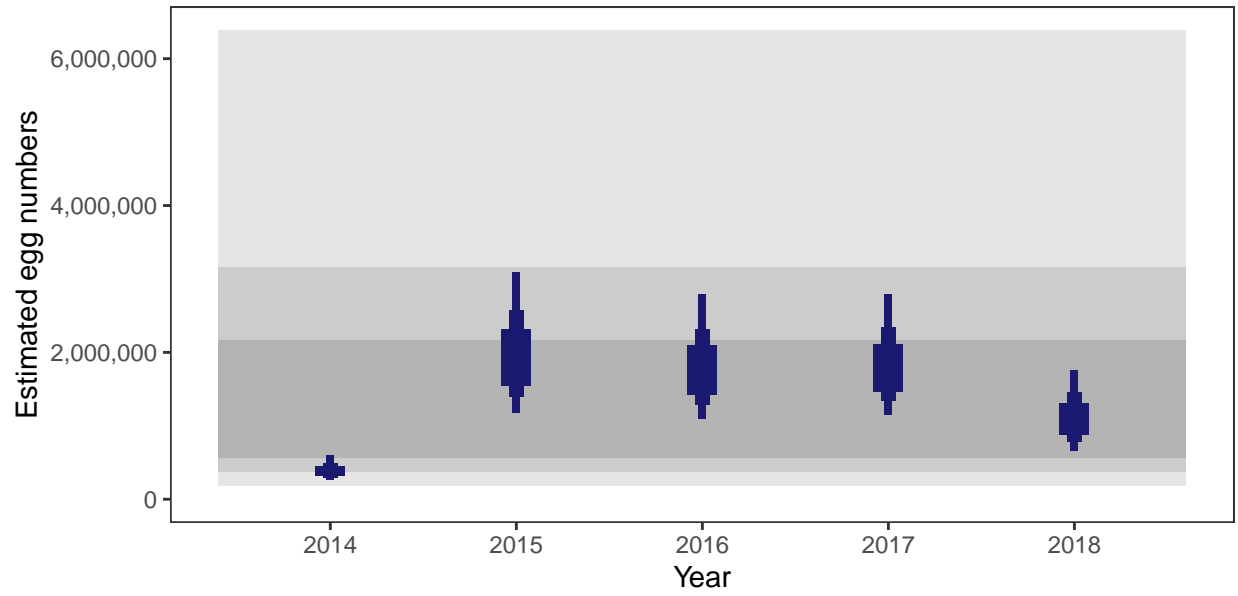
Egg requirement

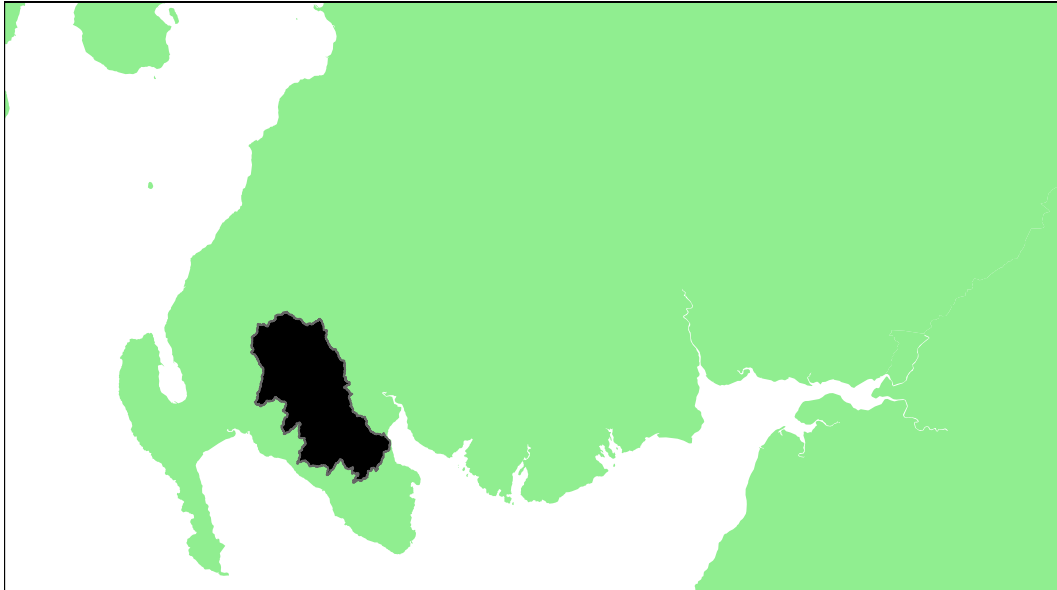Plot shows 50, 70 and 90% of the
estimates (wide to narrow bars).

5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2014	16.20
2015	69.48
2016	66.69
2017	67.11
2018	48.84

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)
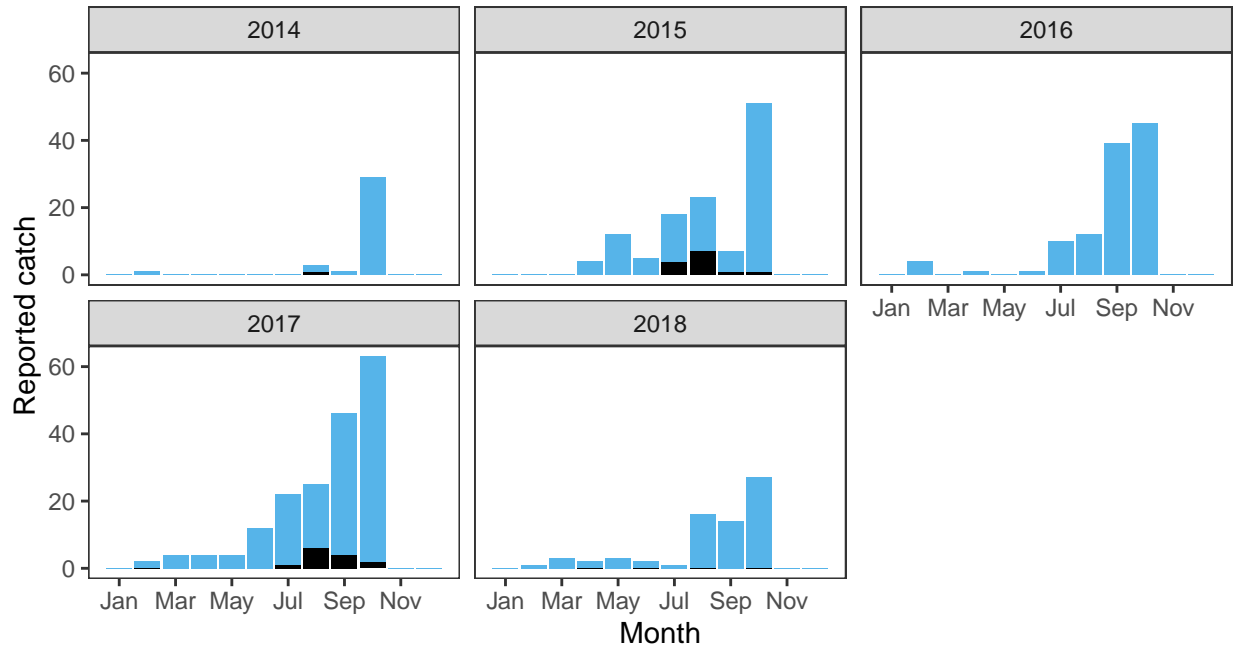
River Bladnoch SAC: Grade 3

Summary Table

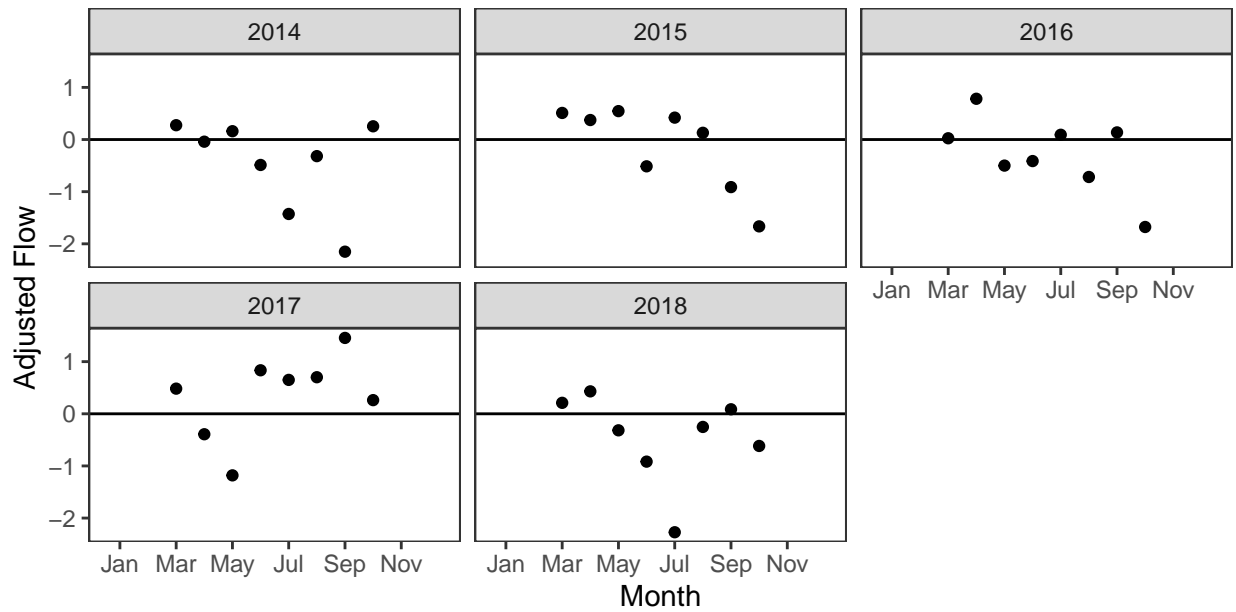| Eggs required (m²)ᵃ	Area (m²)ᵃ	Total egg requirementᵃ	Percentage chance meeting requirement						Grade
			2014	2015	2016	2017	2018	Overall	
1.5	859,500	1,292,924	9.98	74.41	57	76.14	44.34	52.37	3

ᵃ Figures presented are median values

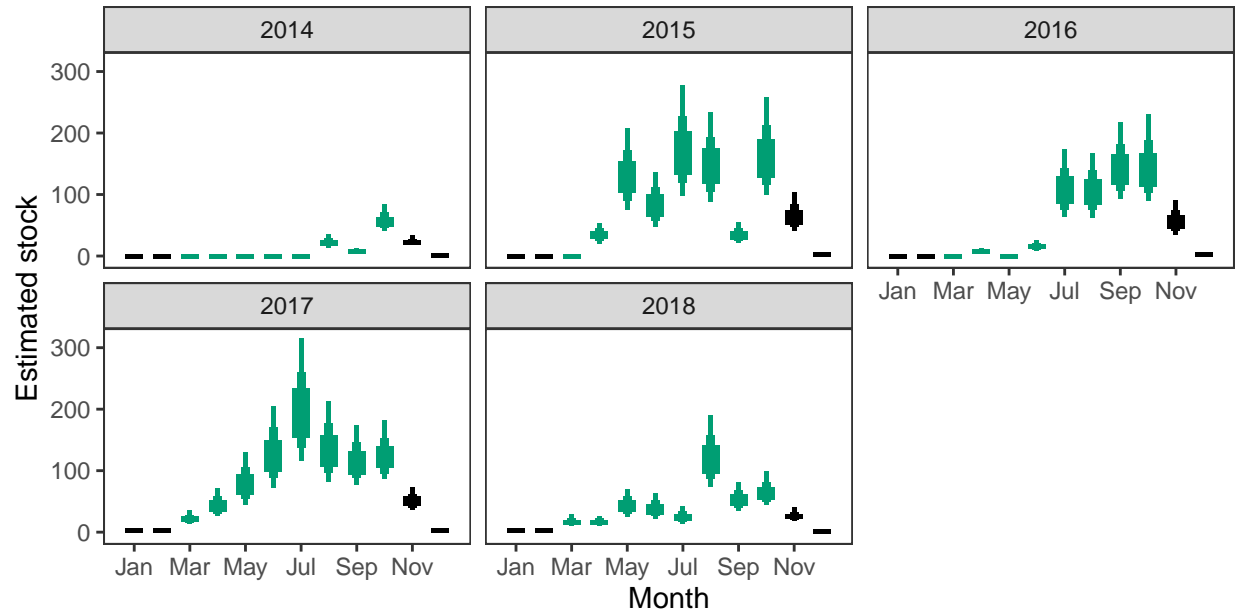# 1. Converting Reported Catches to Numbers of Returning Salmon

Reported Catches (black = retained, blue = released)
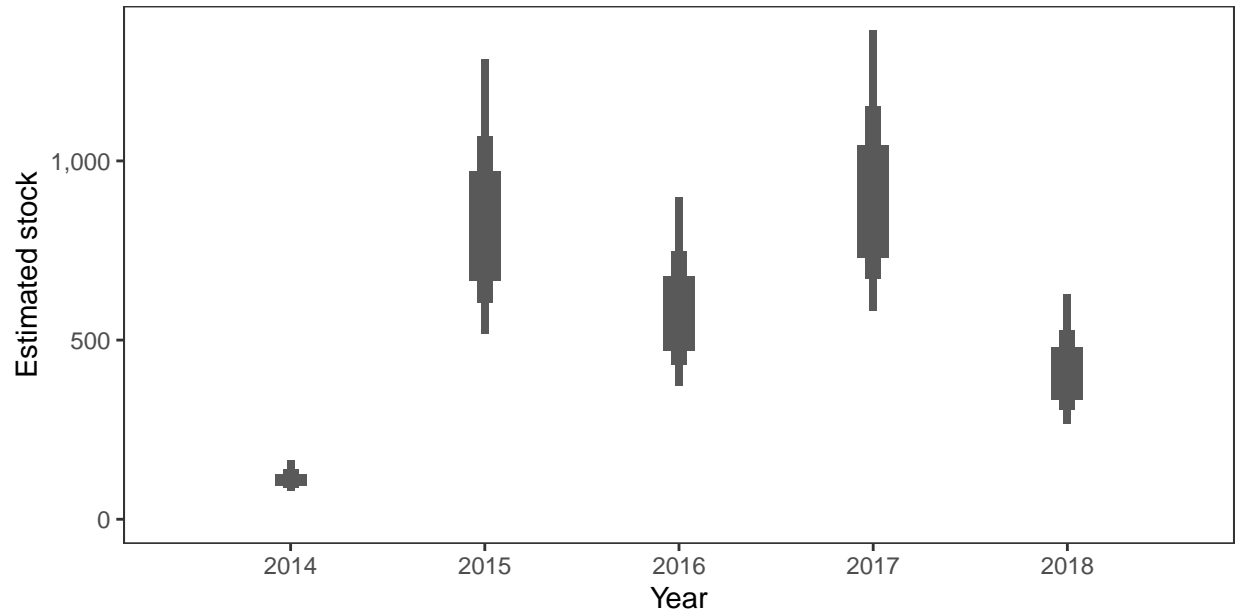

Monthly flow data

Monthly stock estimates (out of season in black)
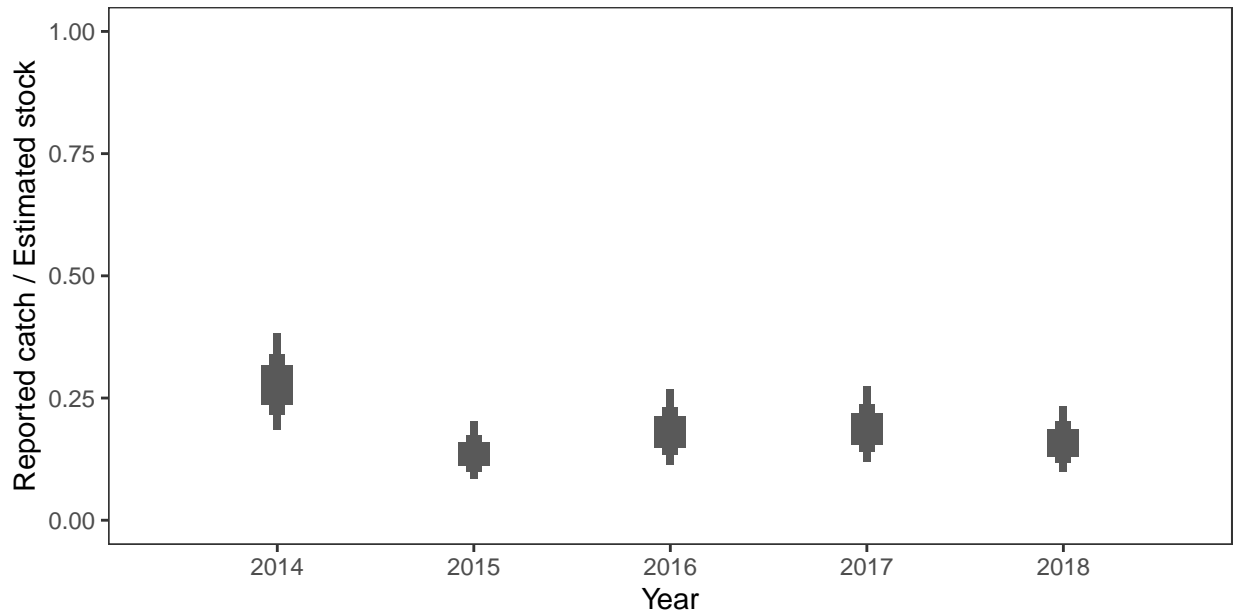

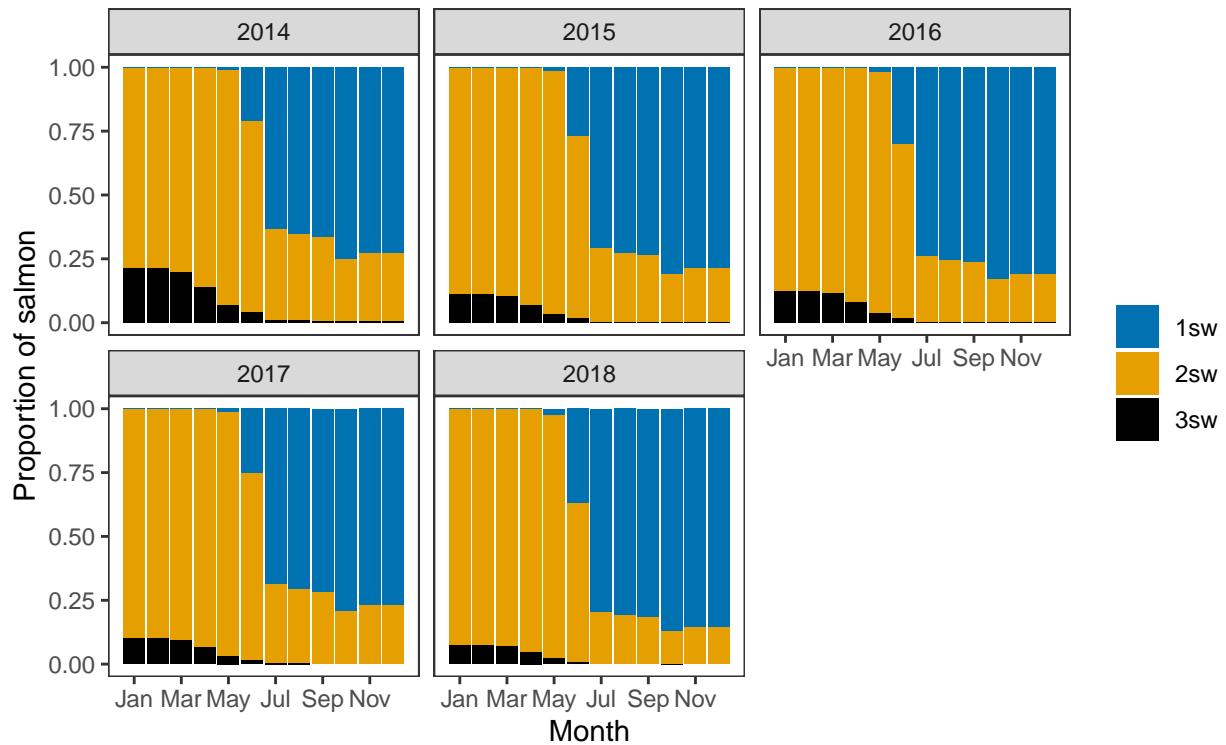Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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).
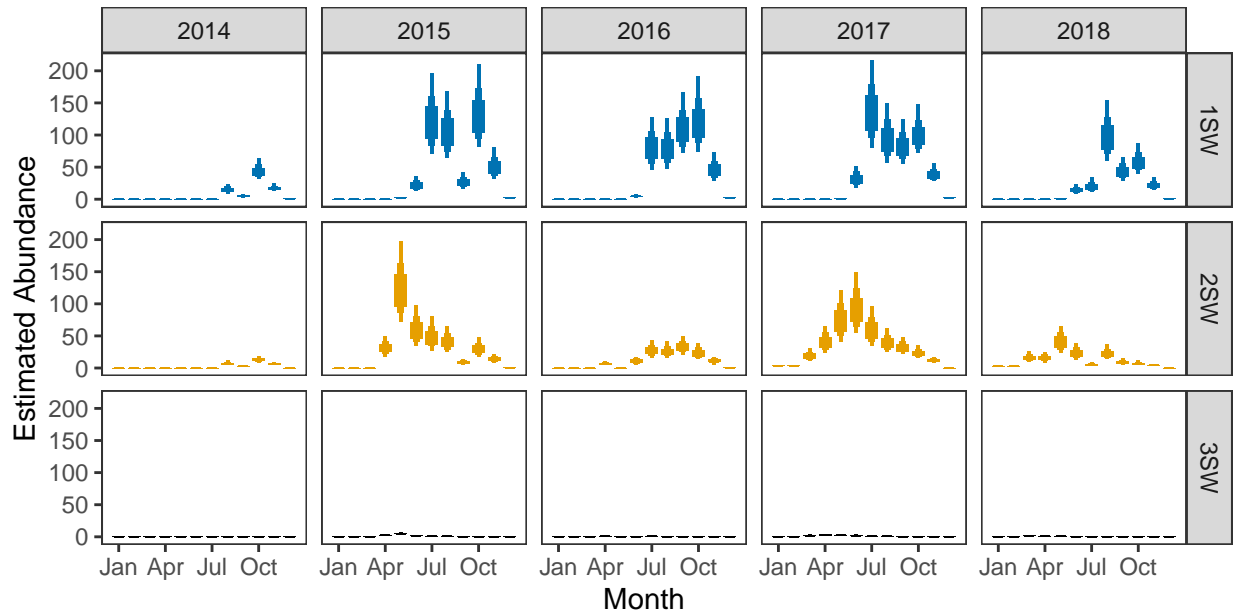
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females
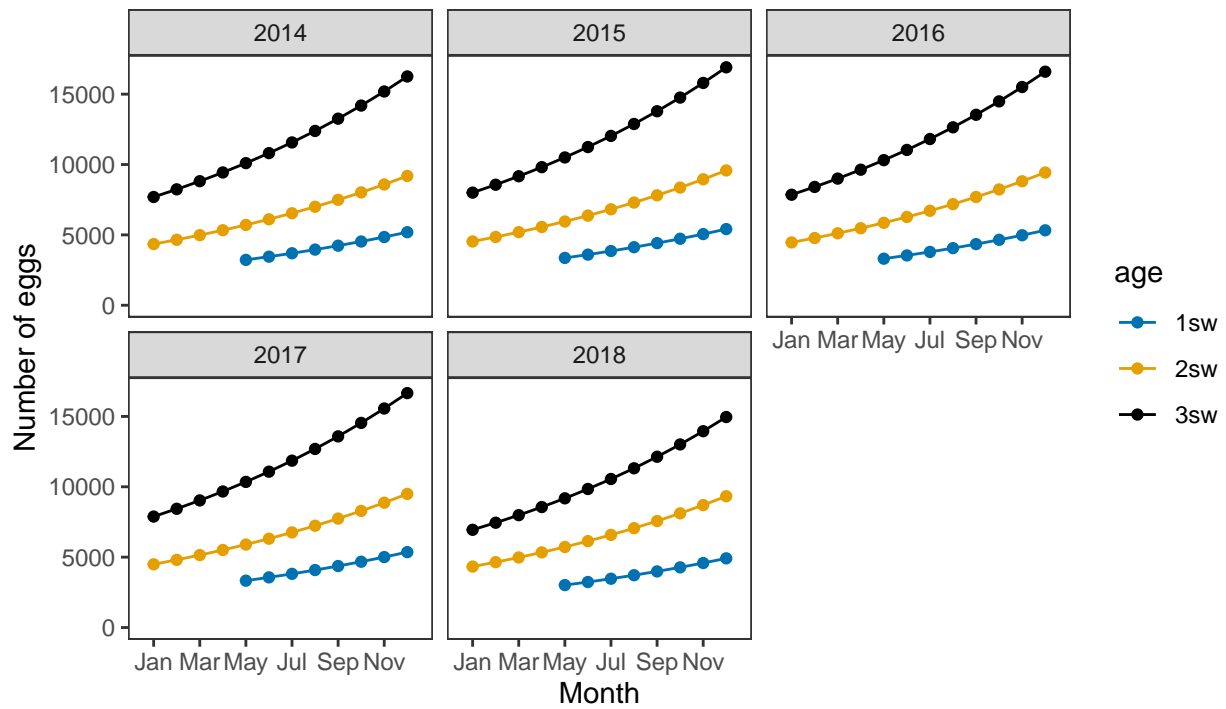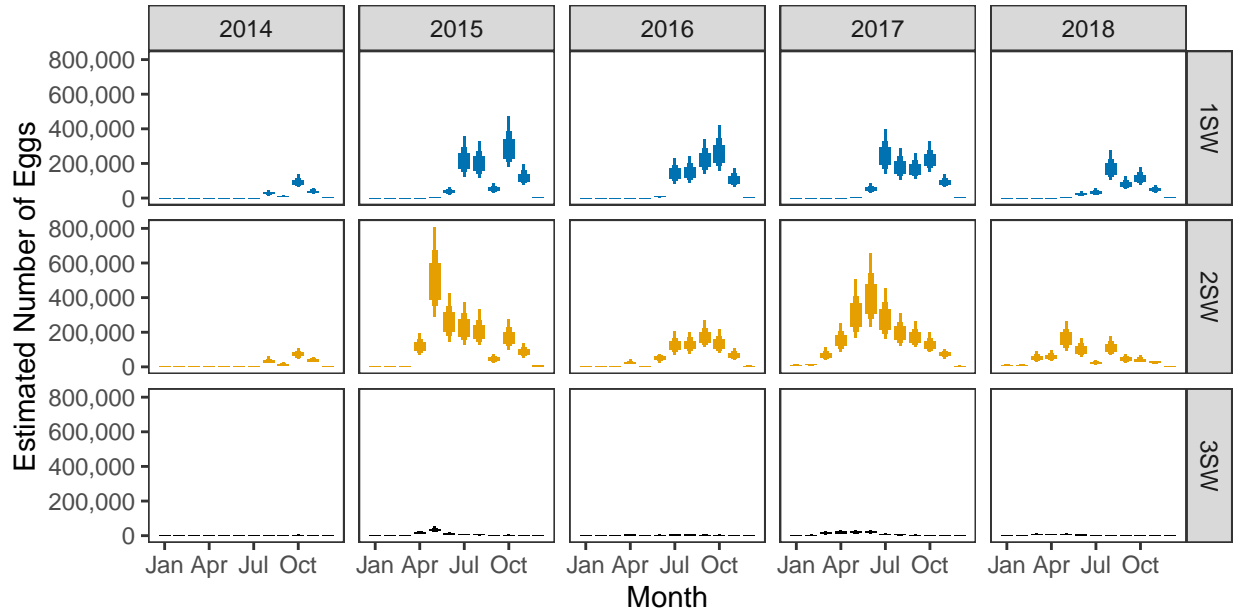
Ages of fish

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
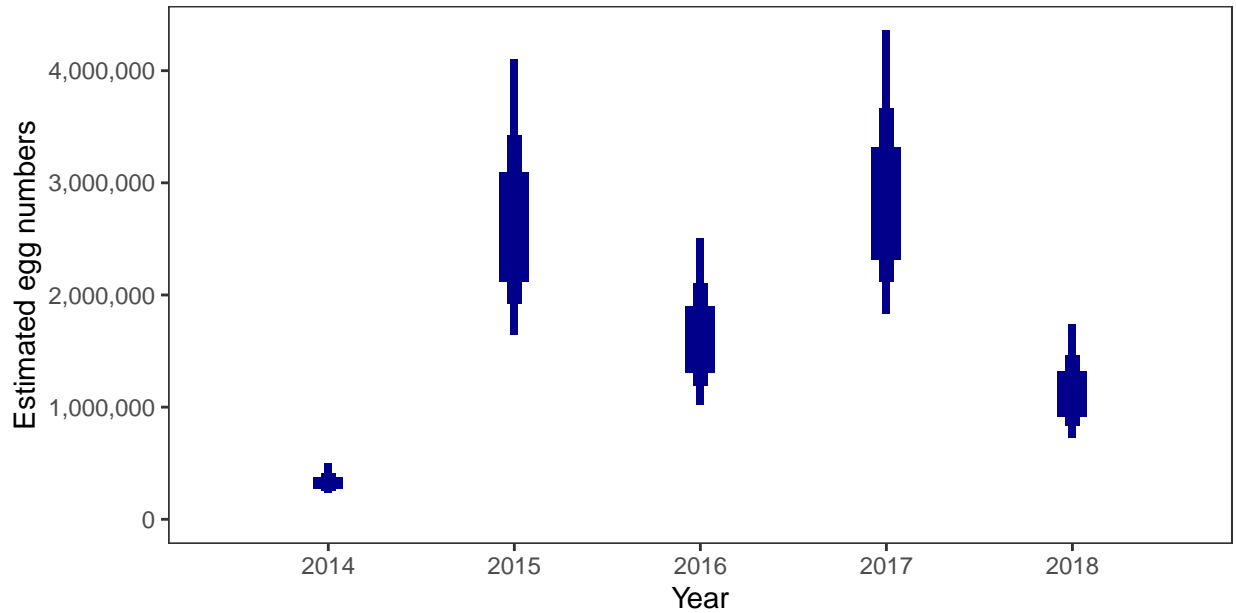
Egg contents of females

Monthly number of eggs

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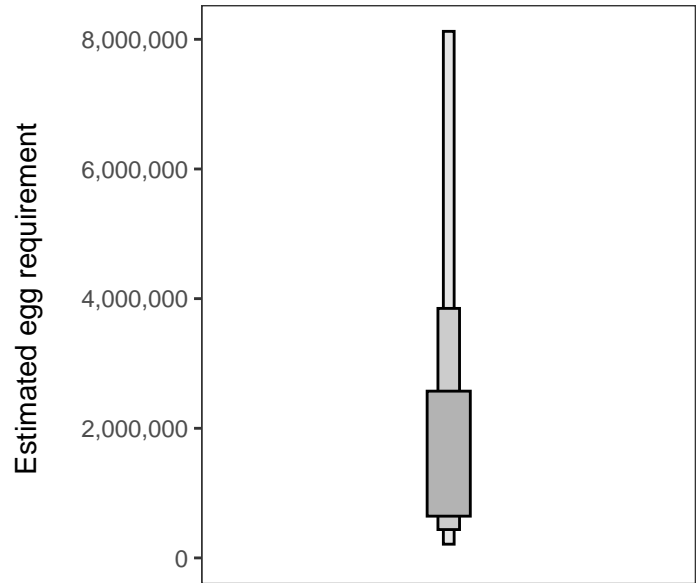
Total annual egg numbers

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 797,354 square meters of known salmon habitat in the River Bladnoch SAC and a further 179,359 square meters where salmon may be present.
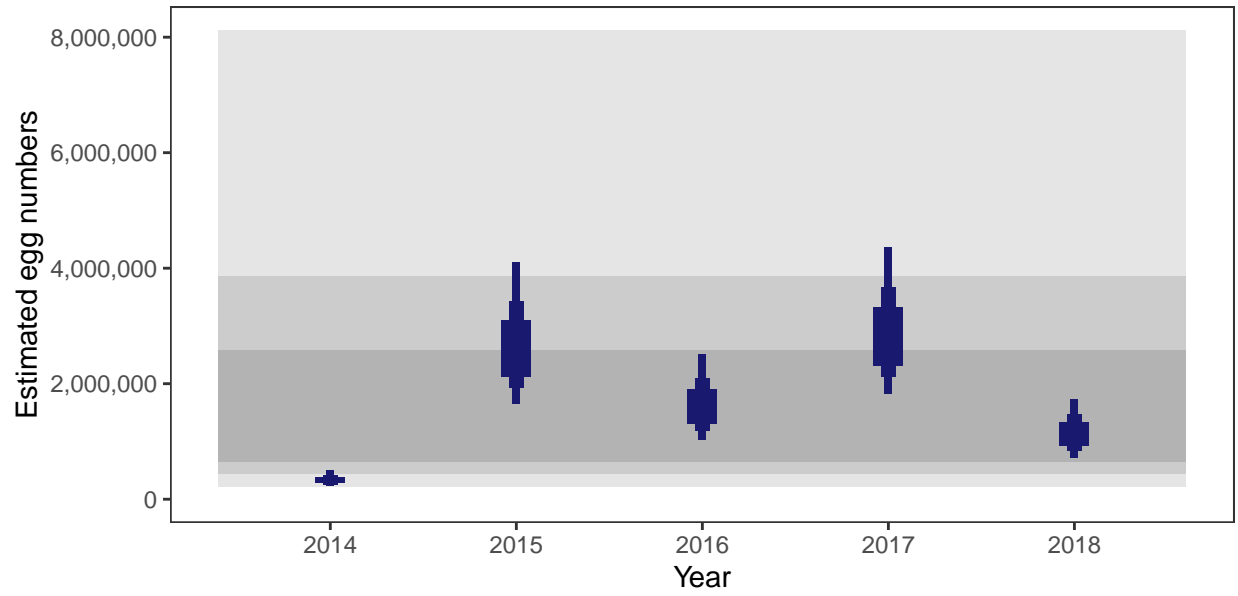
Egg requirement

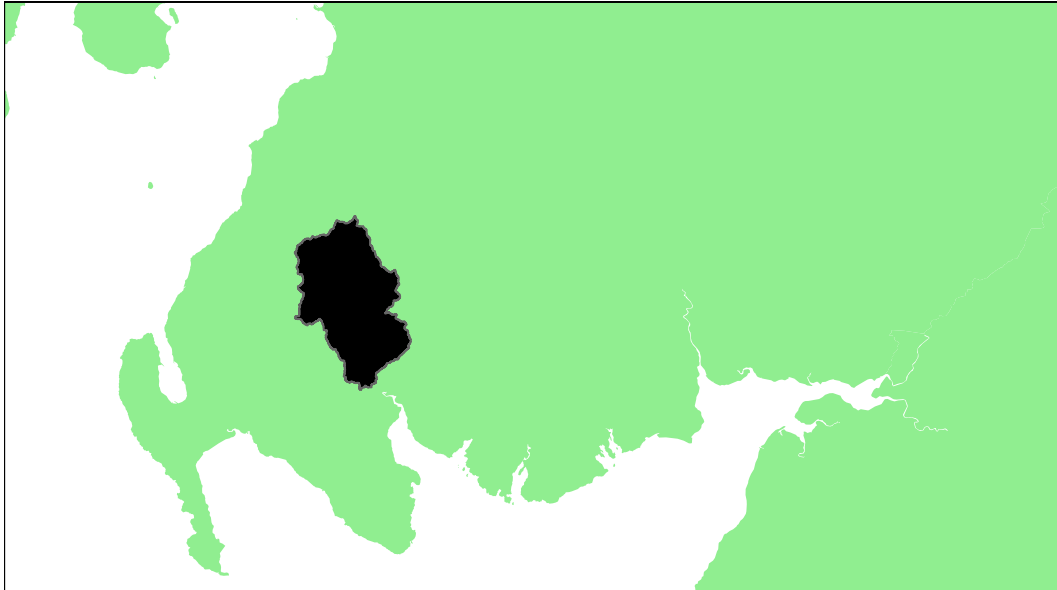Plot shows 50, 70 and 90% of the
estimates (wide to narrow bars).

5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2014	9.98
2015	74.41
2016	57.00
2017	76.14
2018	44.34

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)
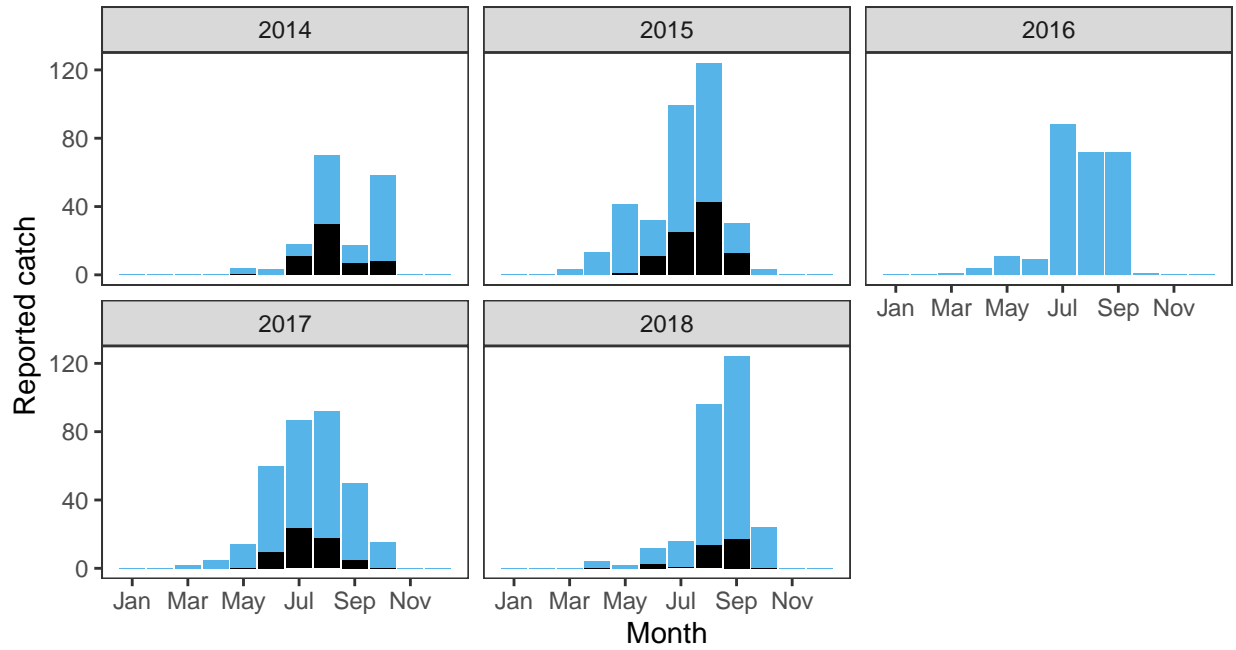
River Cree: Grade 1

Summary Table

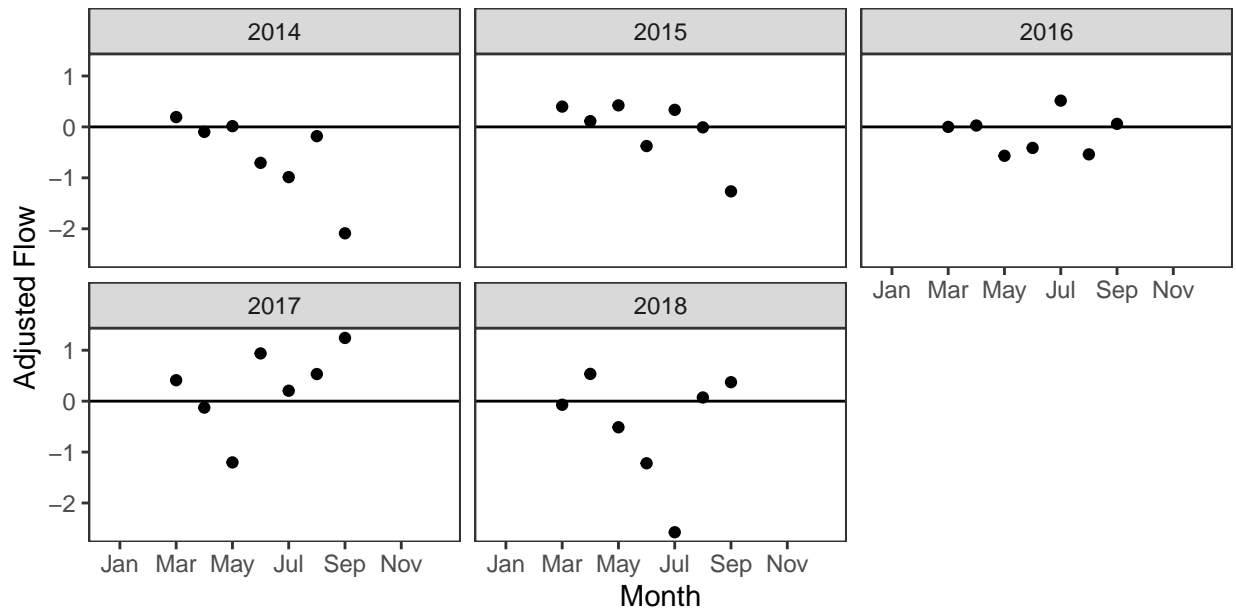| Eggs required $(m^2)^a$ | Area $(m^2)^a$ | Total egg requirement[a] | Percentage chance meeting requirement | | | | | | Grade |
			2014	2015	2016	2017	2018	Overall	
1.96	1,101,700	2,161,022	65.48	91.73	85.64	89.11	83.67	83.13	1

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon
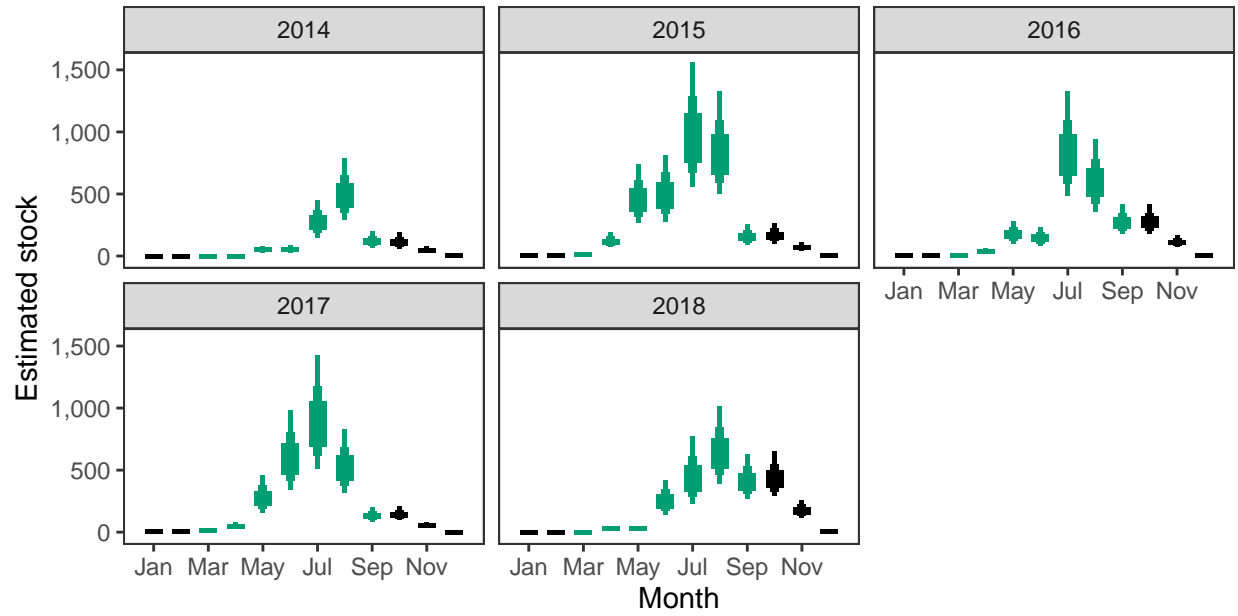
Reported Catches (black = retained, blue = released)
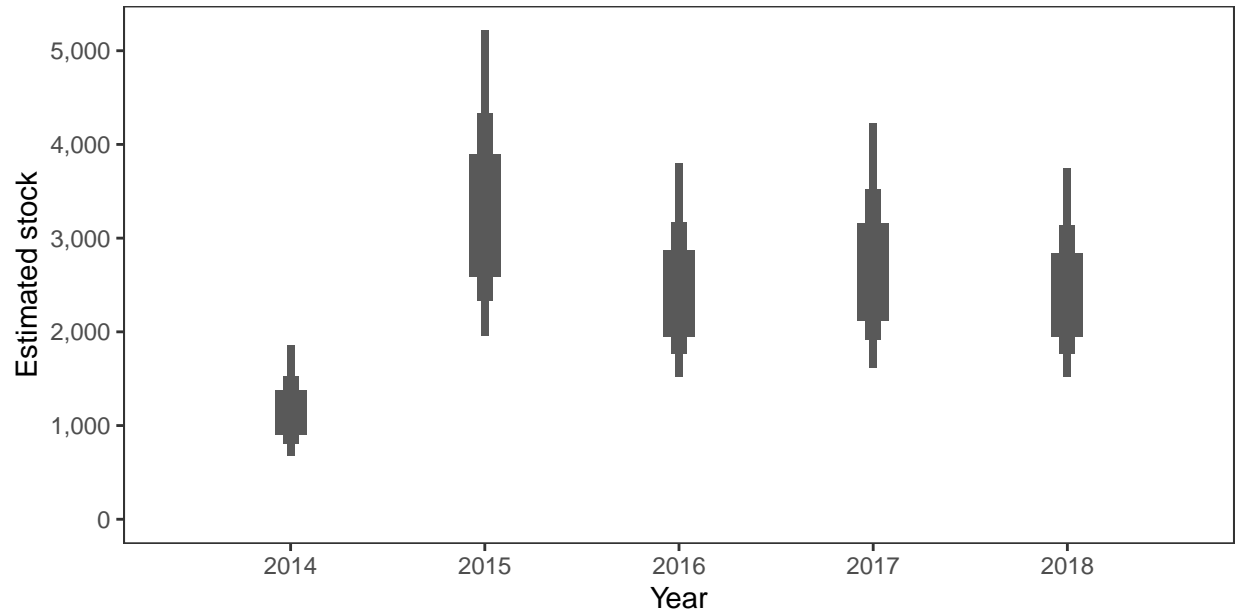

Monthly flow data

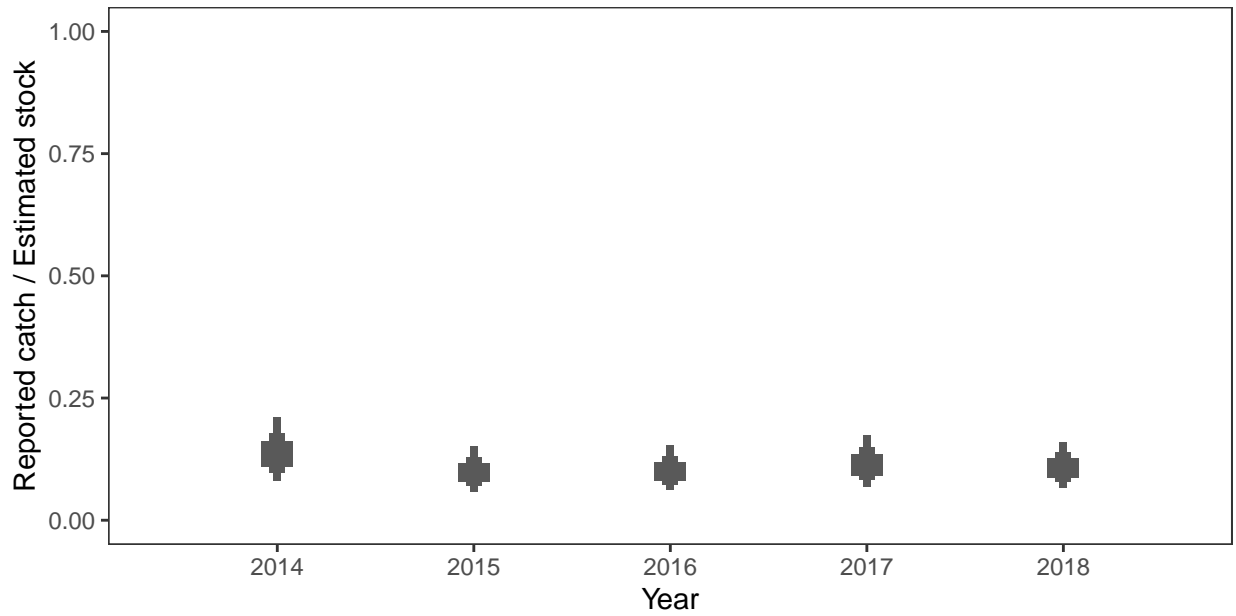## Monthly stock estimates (out of season in black)

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

Annual estimated stock

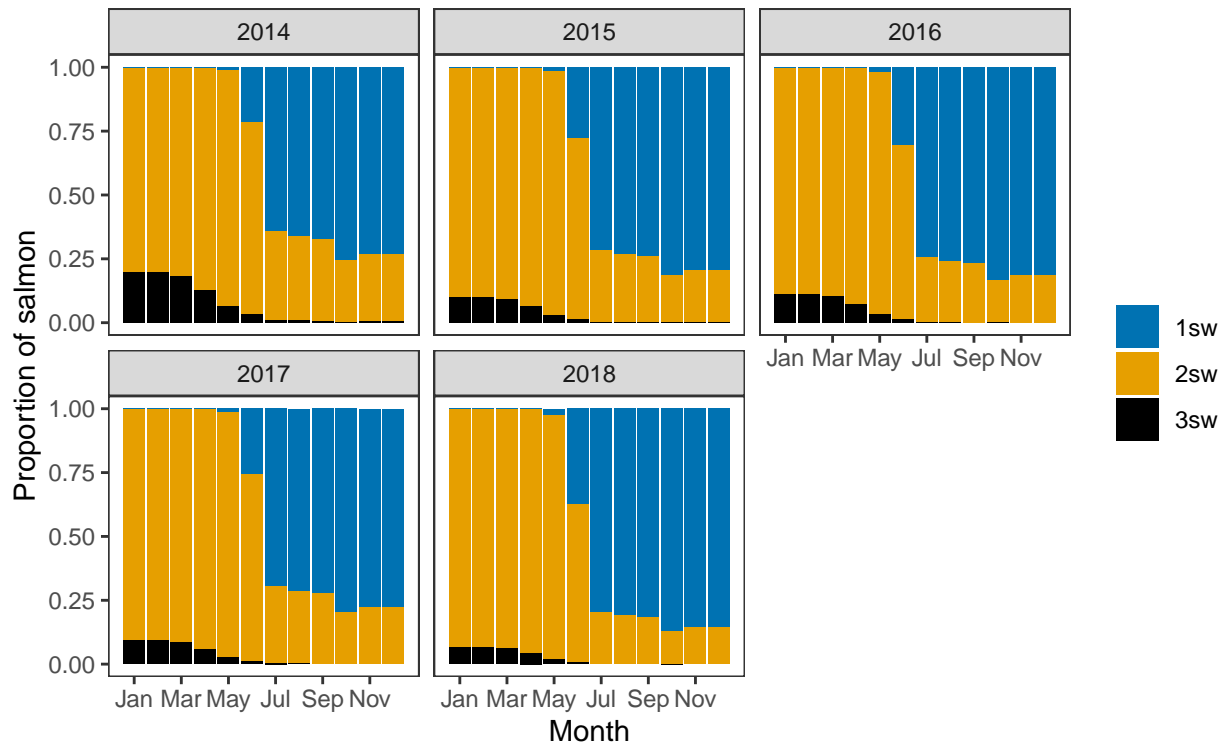Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).
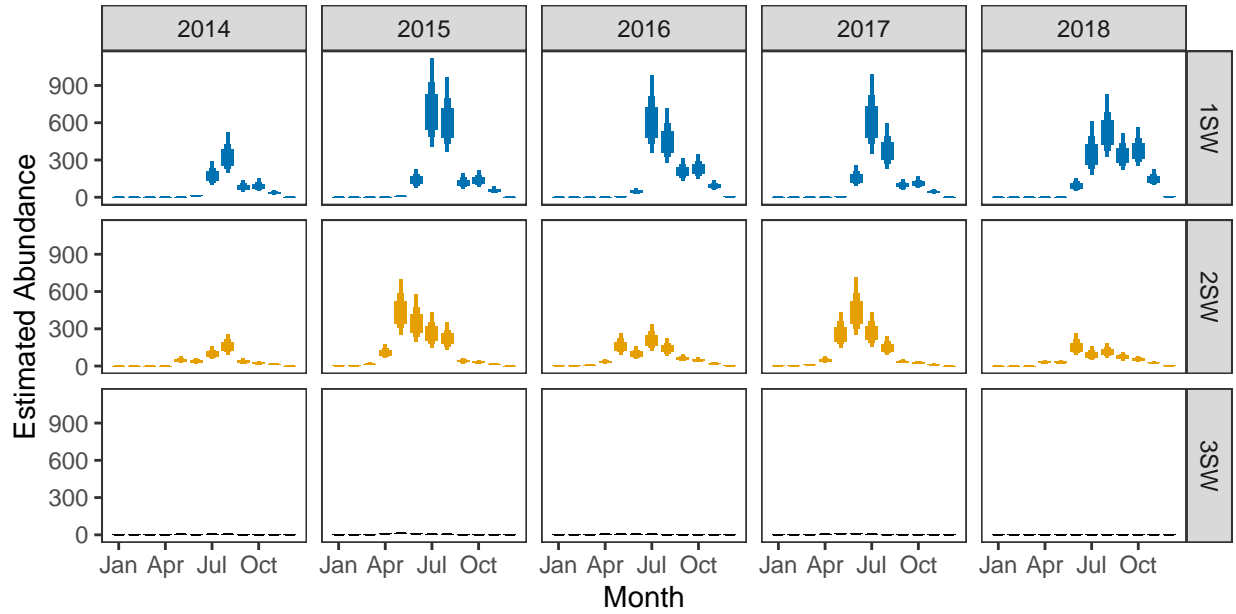
Annual catch as a proportion of stock

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

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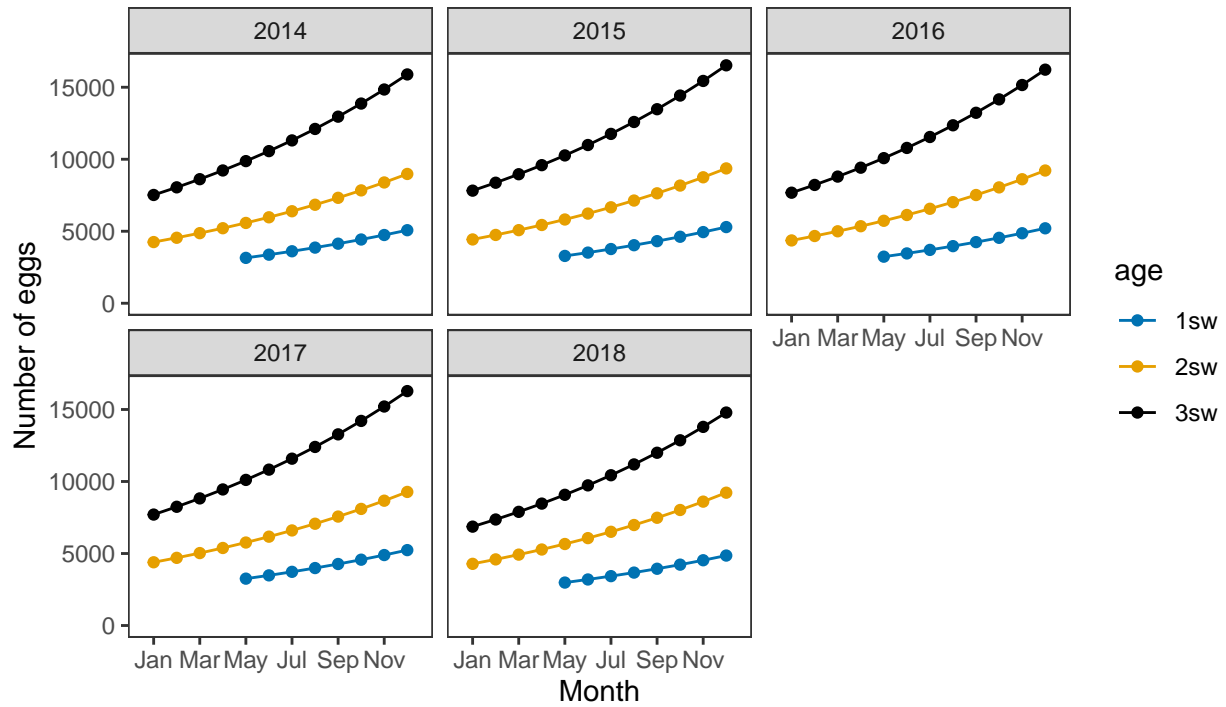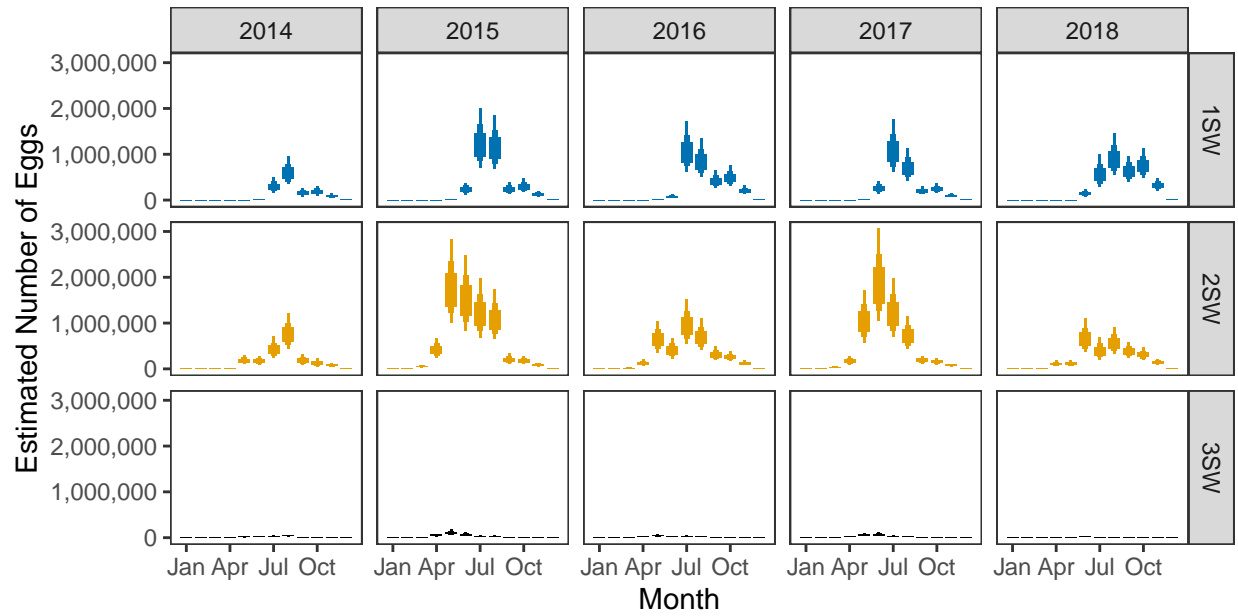
Ages of fish

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

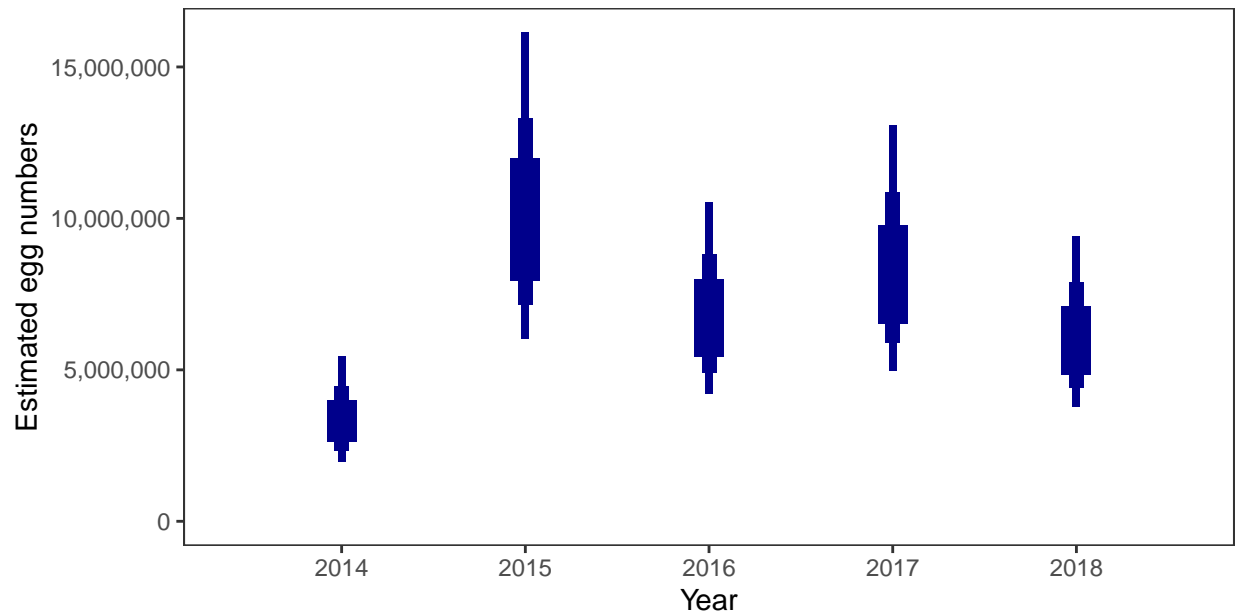*Egg contents of females*

Monthly number of eggs

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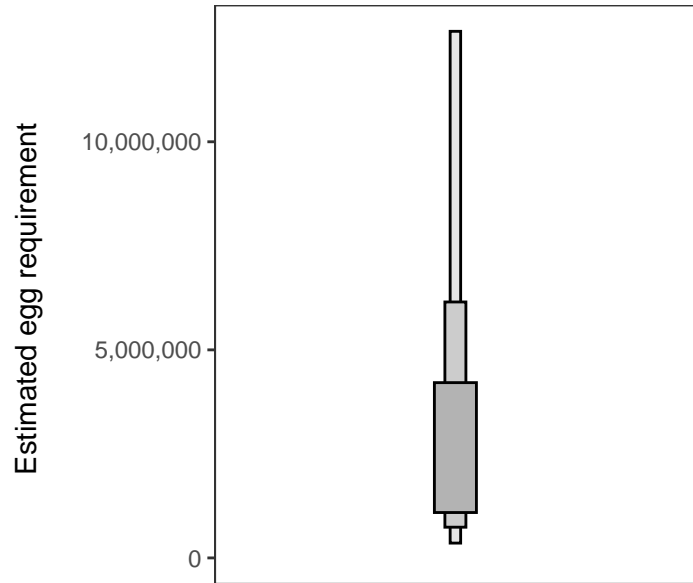
Total annual egg numbers

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 1,128,969 square meters of known salmon habitat in the River Cree and a further 122,953 square meters where salmon may be present.
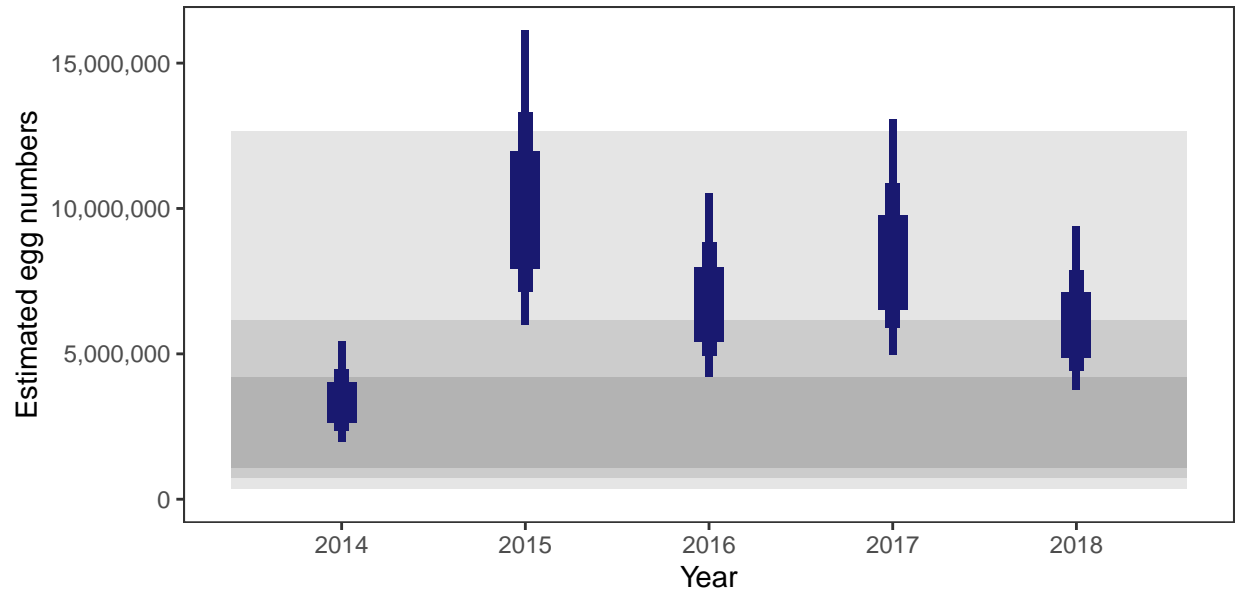
Egg requirement

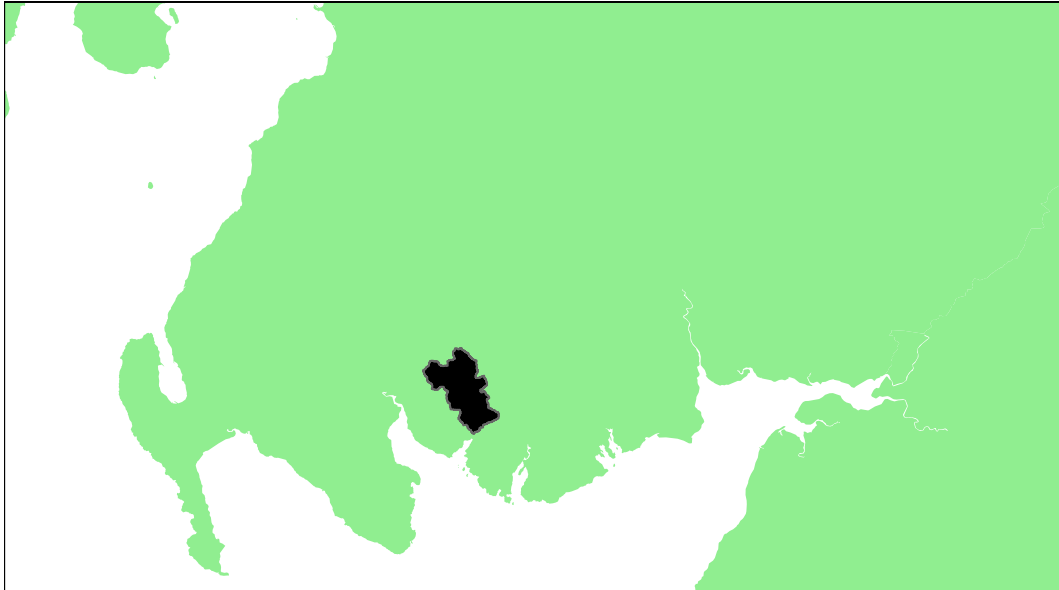Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2014	65.48
2015	91.73
2016	85.64
2017	89.11
2018	83.67

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)

Water of Fleet: Grade 3

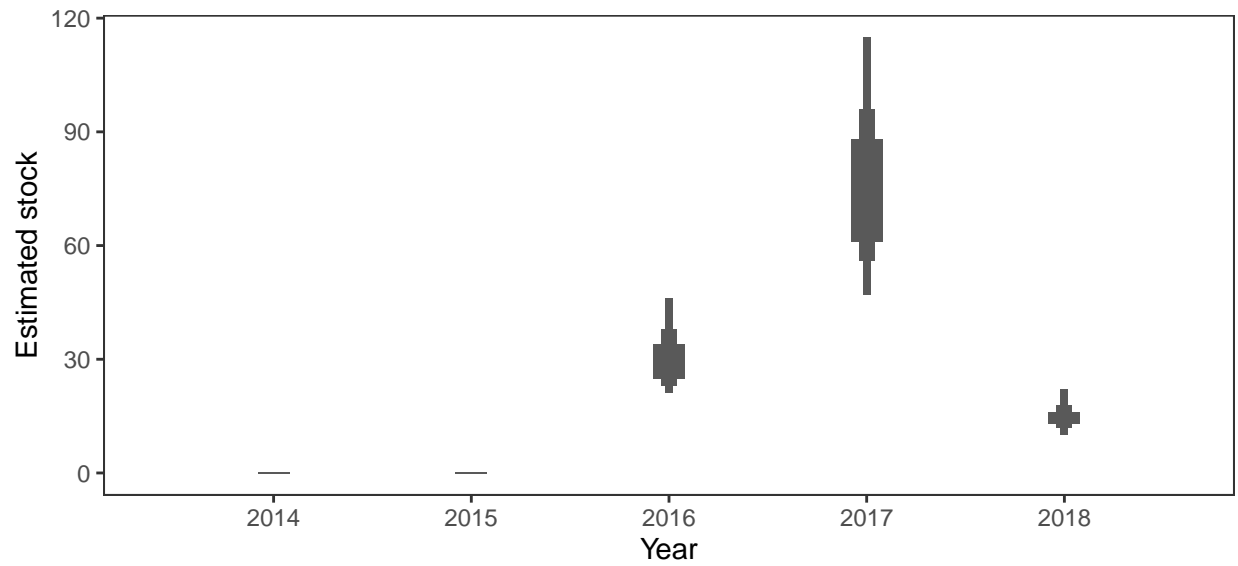**Detailed information on catches is not publicly available for this assessment area**

Summary Table

Eggs required (m²)ᵃ	Area (m²)ᵃ	Total egg requirementᵃ	Percentage chance meeting requirement						Grade
			2014	2015	2016	2017	2018	Overall	
1.2	185,500	223,433	0	0	21.69	59.6	6.58	17.57	3

ᵃ Figures presented are median values

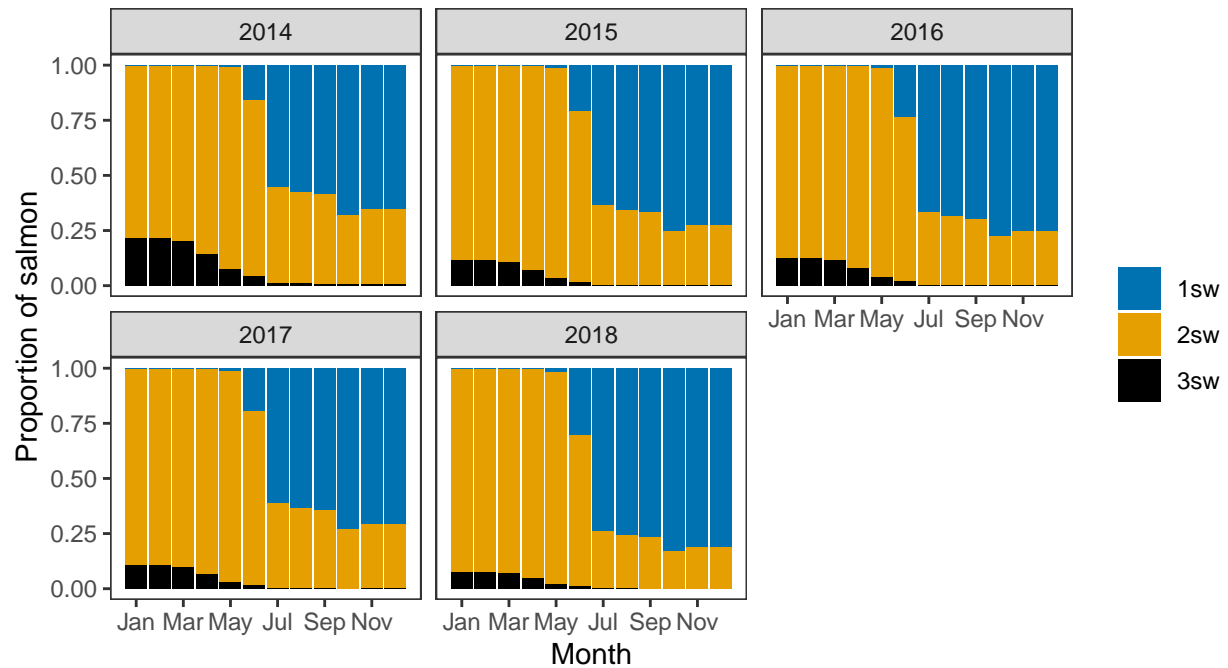# 1. Converting Reported Catches to Numbers of Returning Salmon

Annual estimated stock

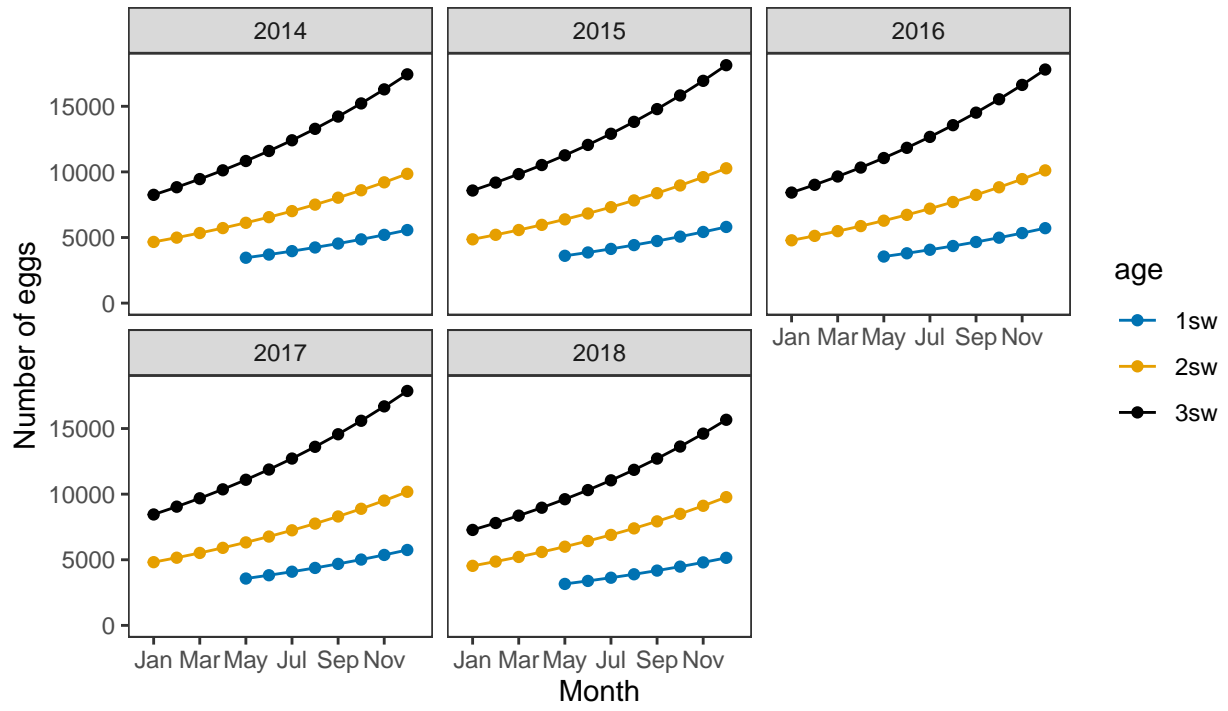Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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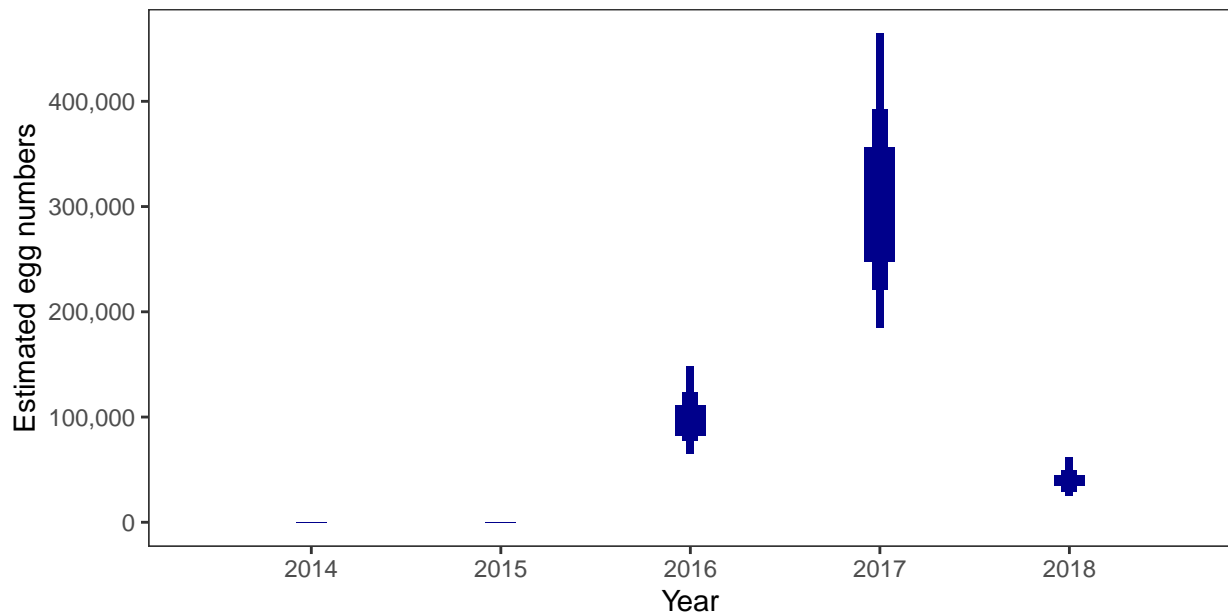
Ages of fish

3. Converting Number of Spawners to Number of Eggs

Egg contents of females

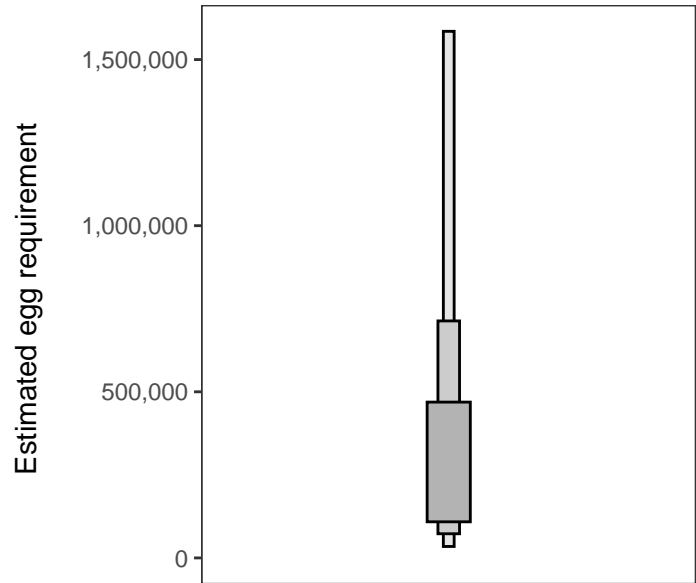

Total annual egg numbers

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 146,909 square meters of known salmon habitat in the Water of Fleet and a further 63,941 square meters where salmon may be present.
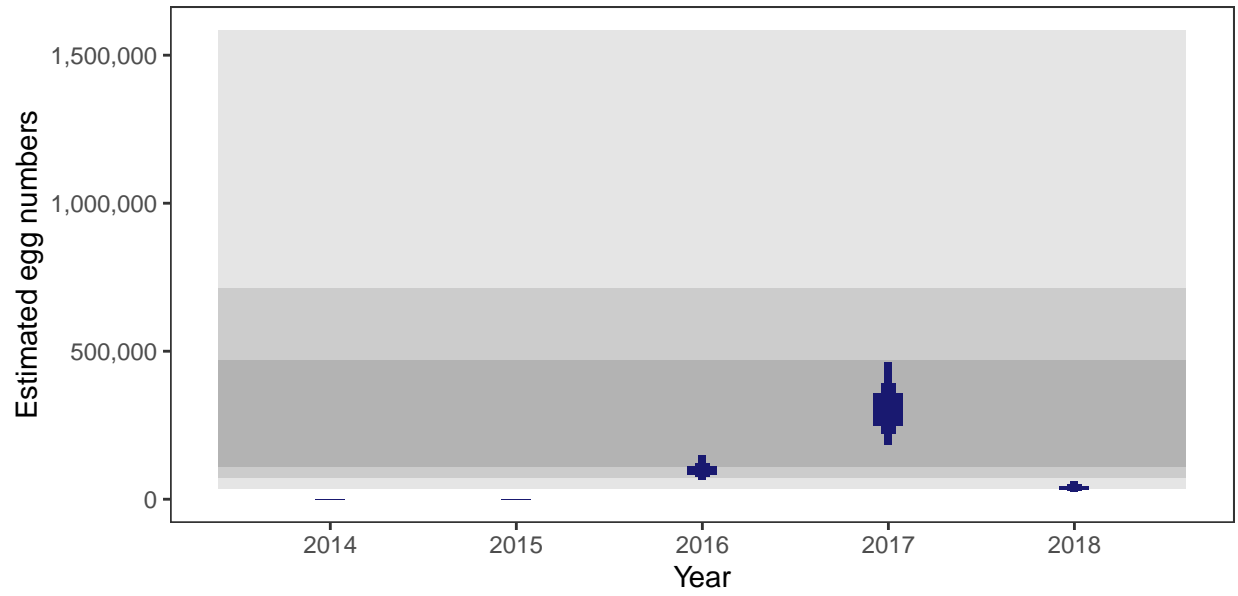
Egg requirement

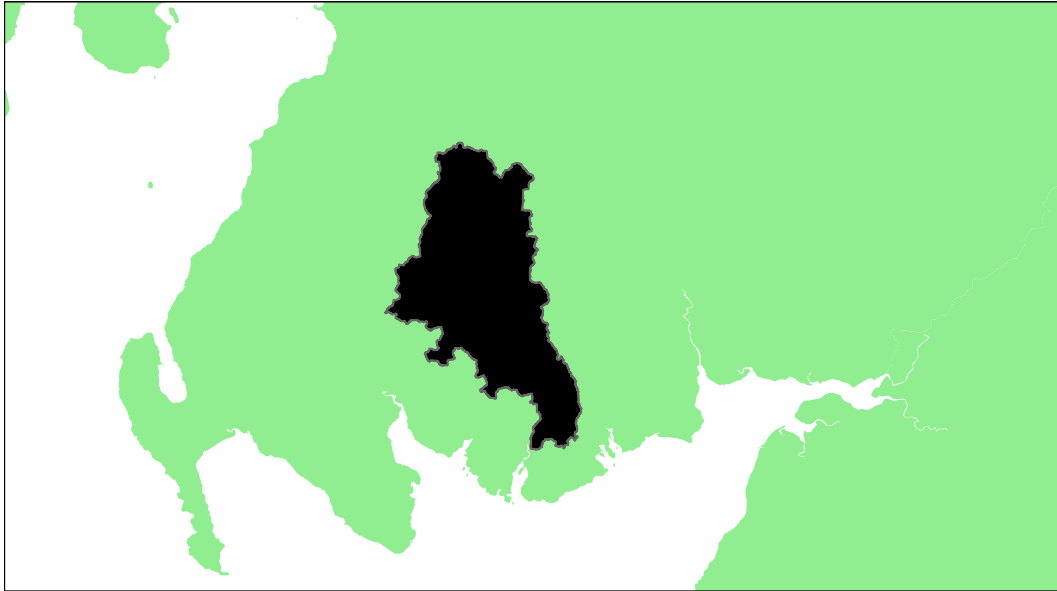Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2014	-
2015	-
2016	21.69
2017	59.60
2018	6.58

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 Dee (Kirkcudbrightshire): Grade 2

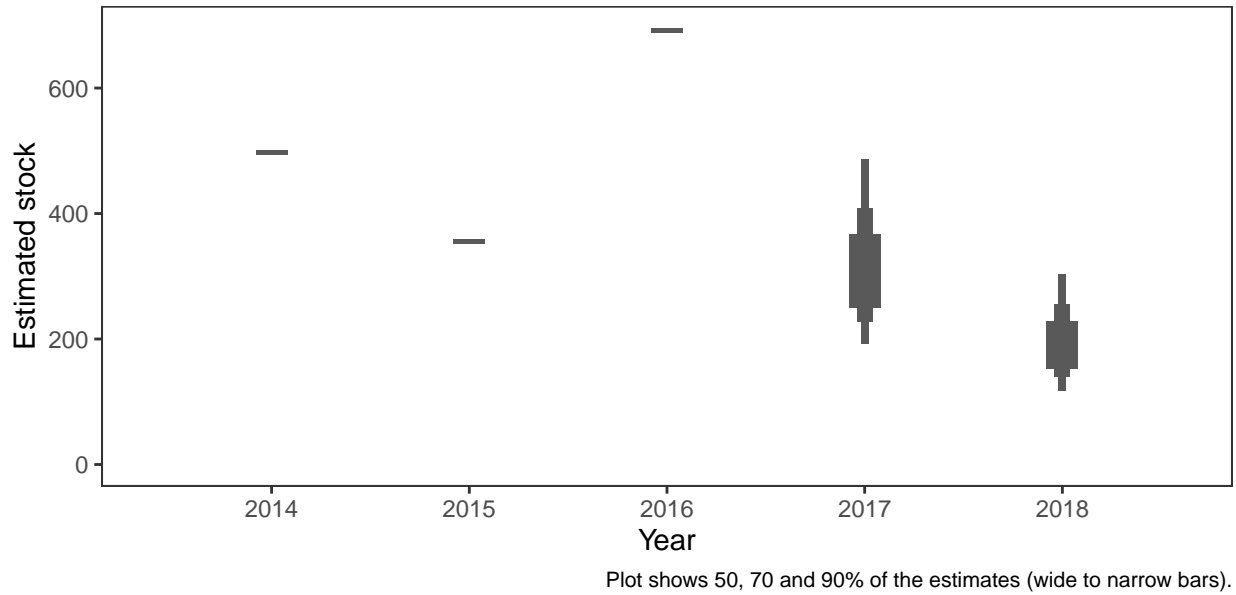**Detailed information on catches is not publicly available for this assessment area**

Summary Table

Eggs required (m²)[a]	Area (m²)[a]	Total egg requirement[a]	Percentage chance meeting requirement						
			2014	2015	2016	2017	2018	Overall	Grade
0.61	1,660,400	1,020,308	76.22	66.81	81.35	60.11	27.22	62.34	2

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon

Annual estimated stock

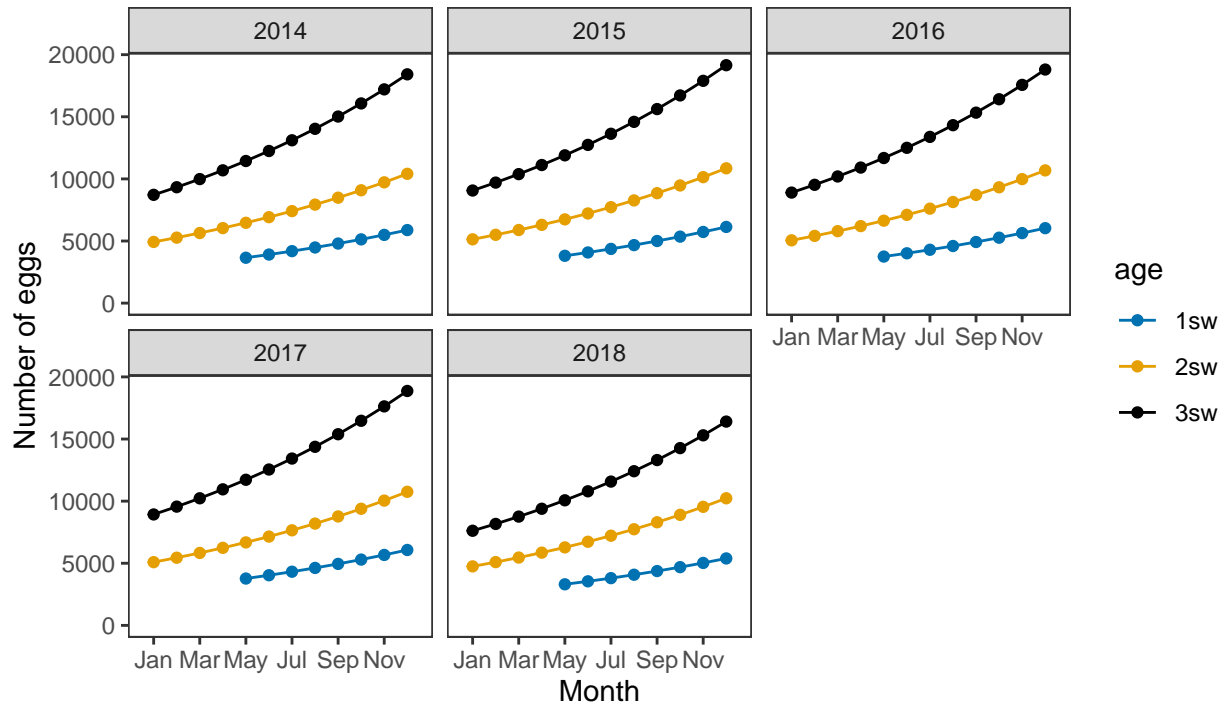Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

2. Converting Numbers of Returning Salmon to Numbers of Spawning Females
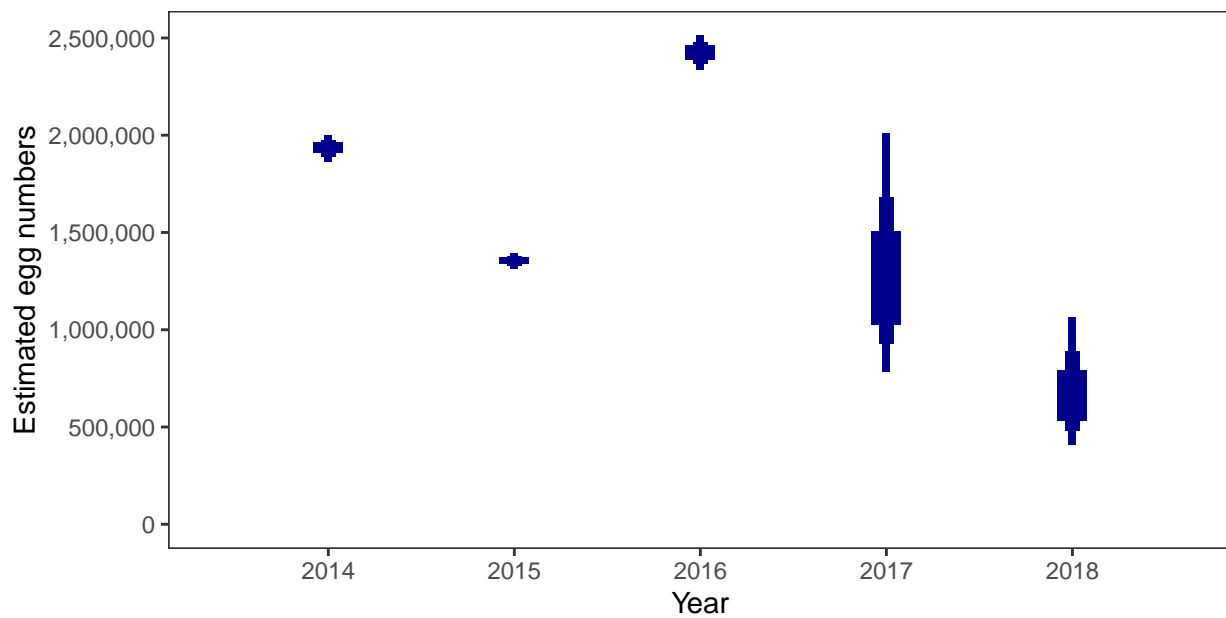
Ages of fish
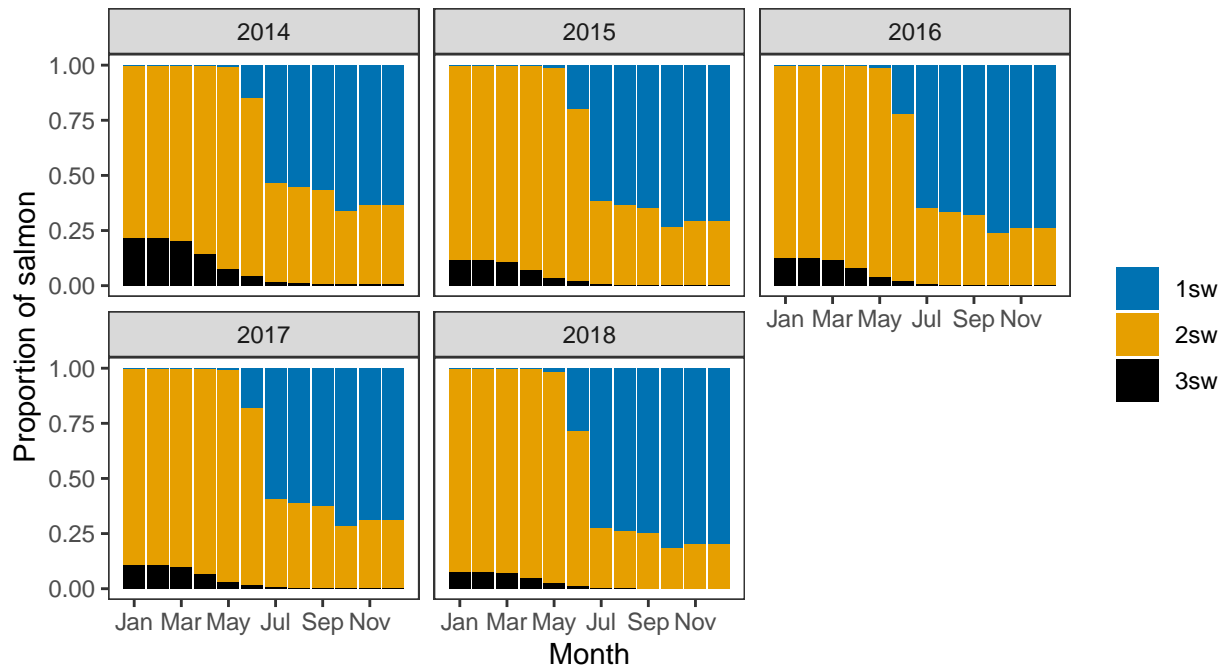
3. Converting Number of Spawners to Number of Eggs

Egg contents of females
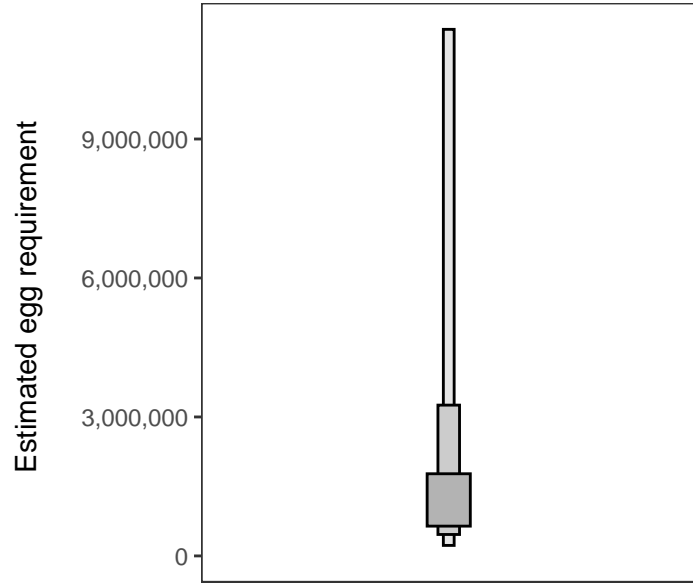

Total annual egg numbers

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 1,399,661 square meters of known salmon habitat in the River Dee (Kirkcud-brightshire) and a further 487,108 square meters where salmon may be present.
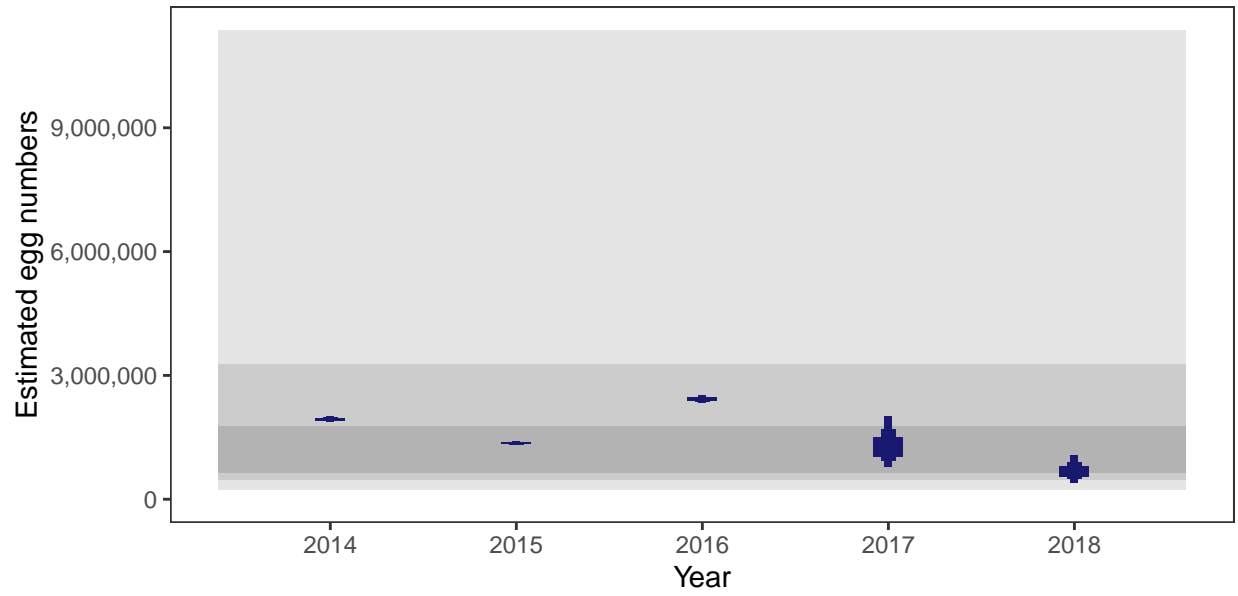
Egg requirement

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

5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2014	76.22
2015	66.81
2016	81.35
2017	60.11
2018	27.22

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)
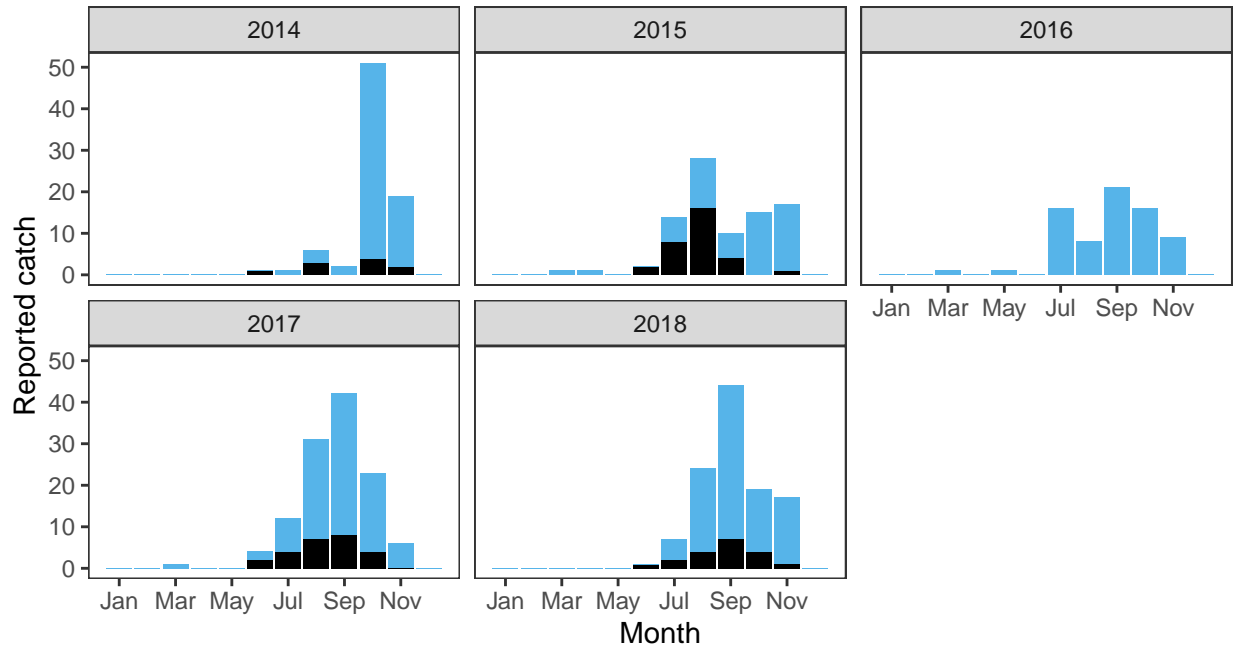
Urr Water: Grade 2

Summary Table

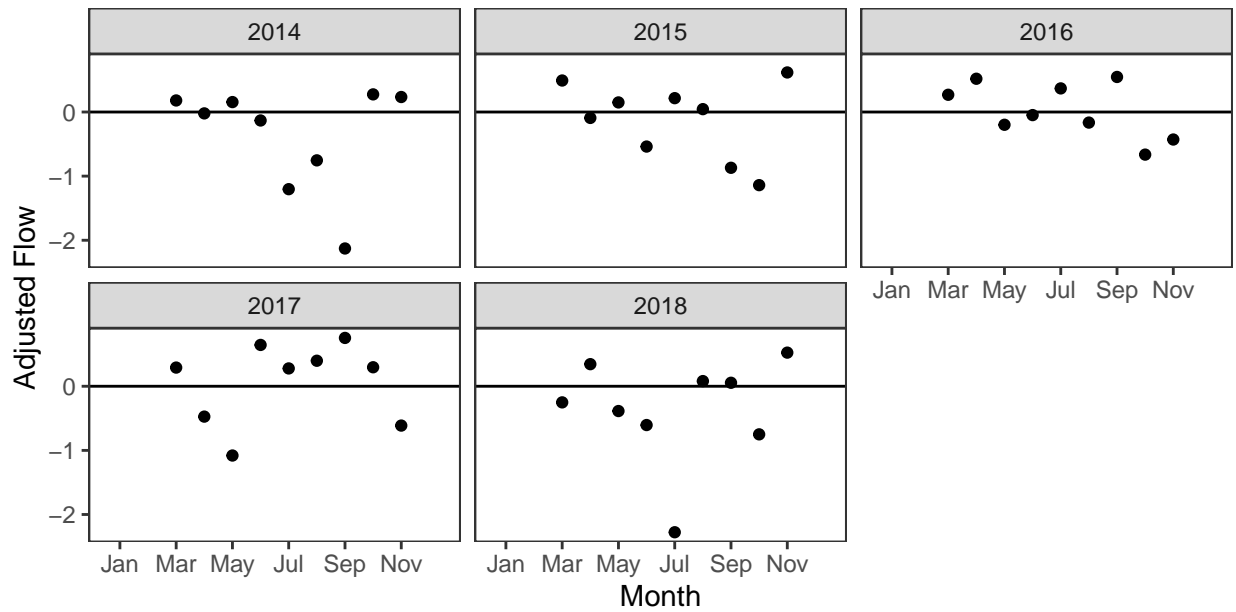| Eggs required (m²)ᵃ	Area (m²)ᵃ	Total egg requirementᵃ	Percentage chance meeting requirement						
			2014	2015	2016	2017	2018	Overall	Grade
1.77	486,100	861,060	46.02	71.13	59.3	74.81	72.25	64.7	2

ᵃ Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon
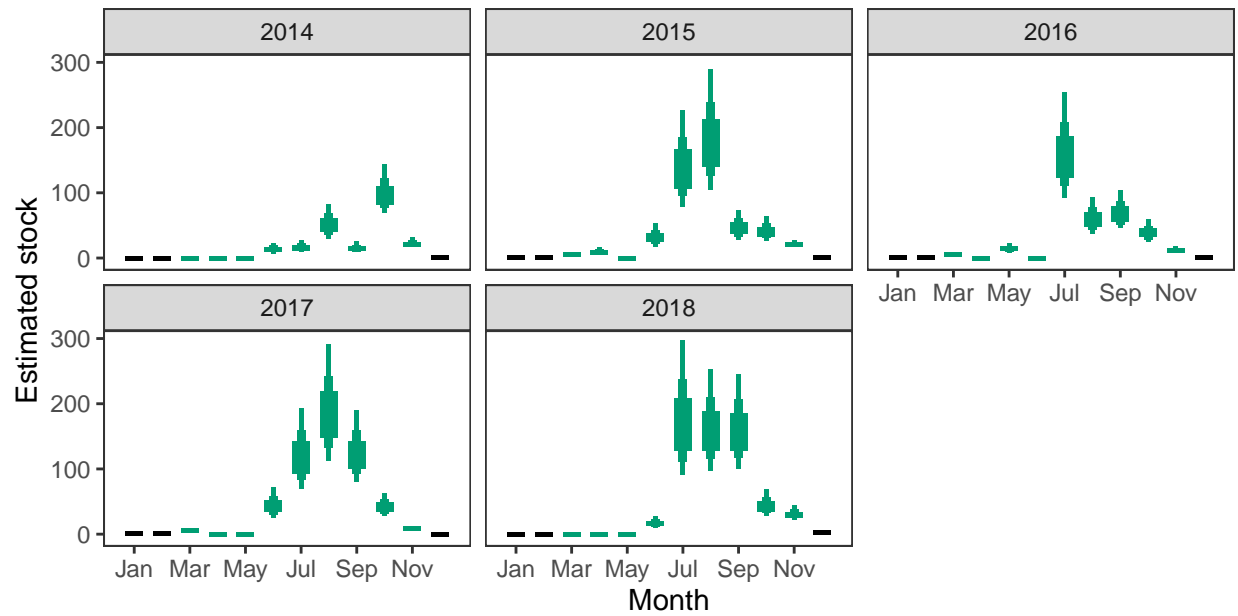
Reported Catches (black = retained, blue = released)
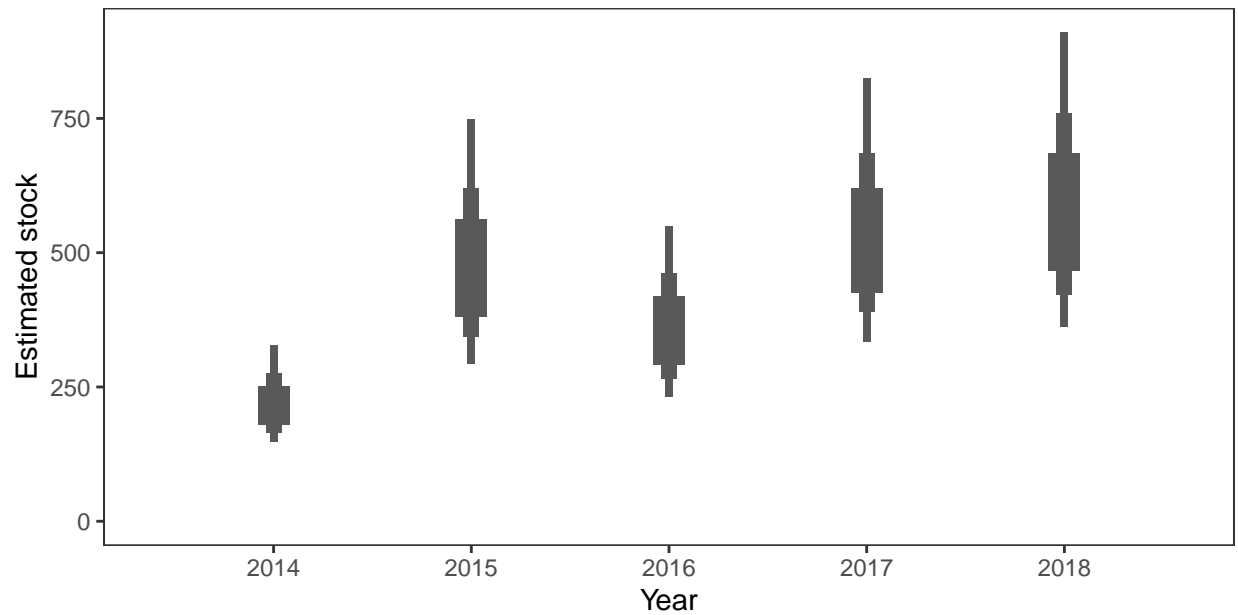

Monthly flow data

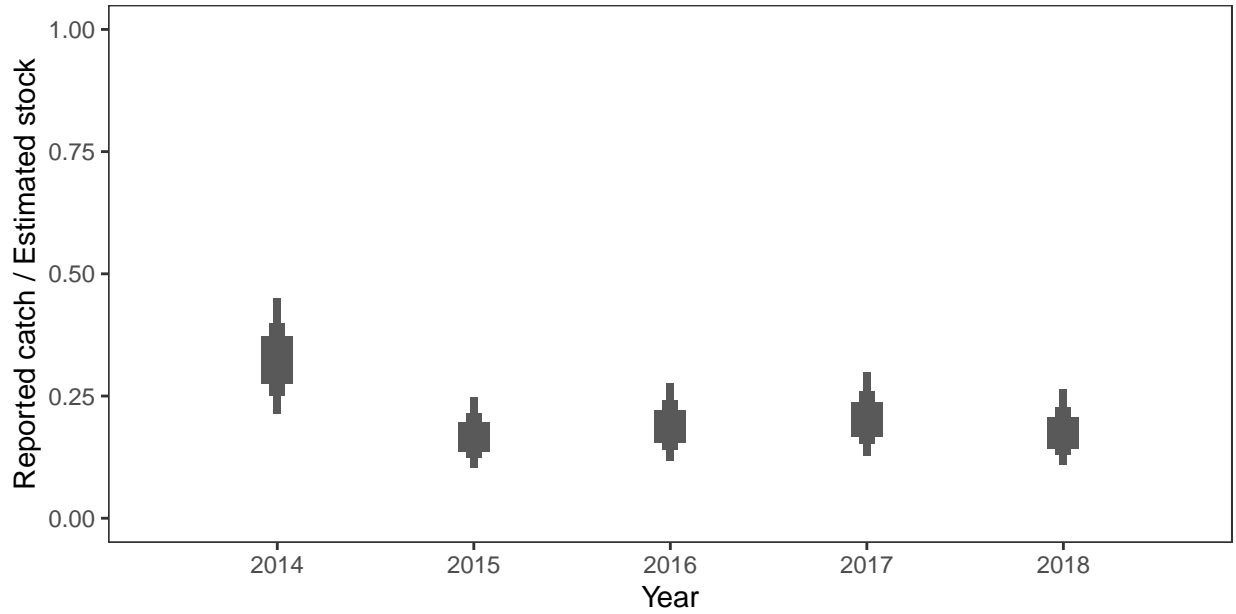## Monthly stock estimates (out of season in black)

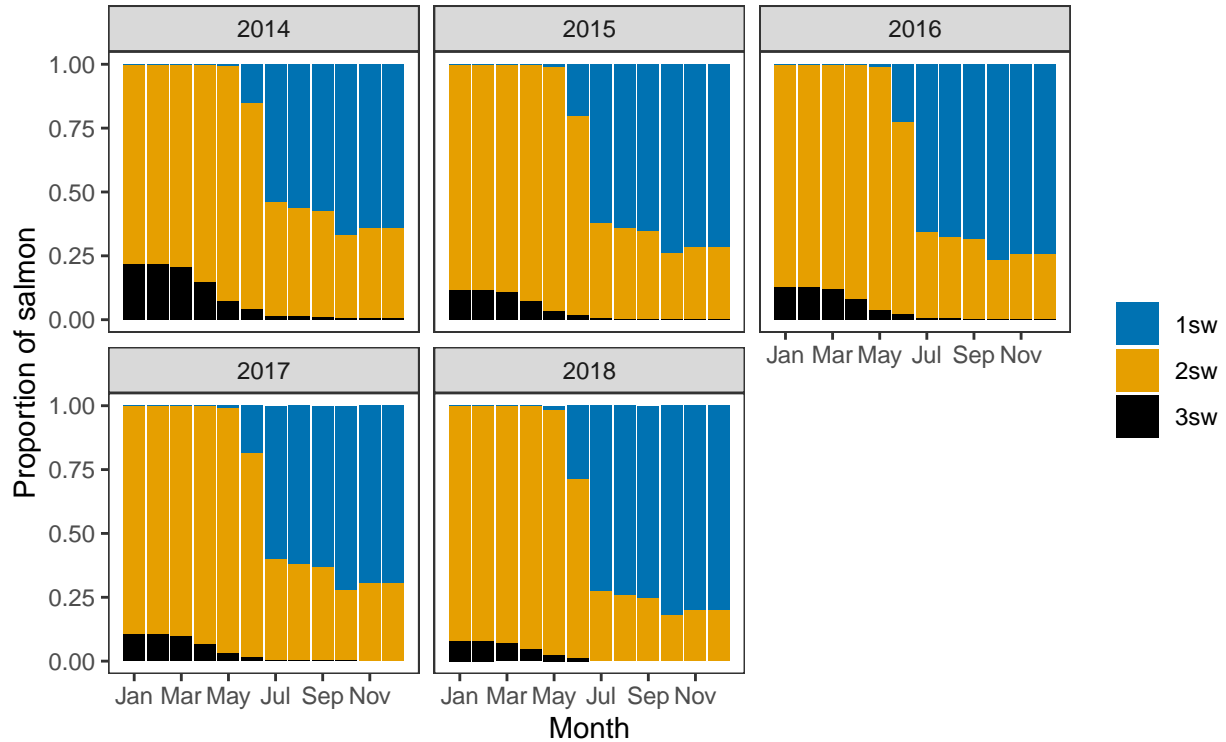Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock

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

Annual catch as a proportion of stock

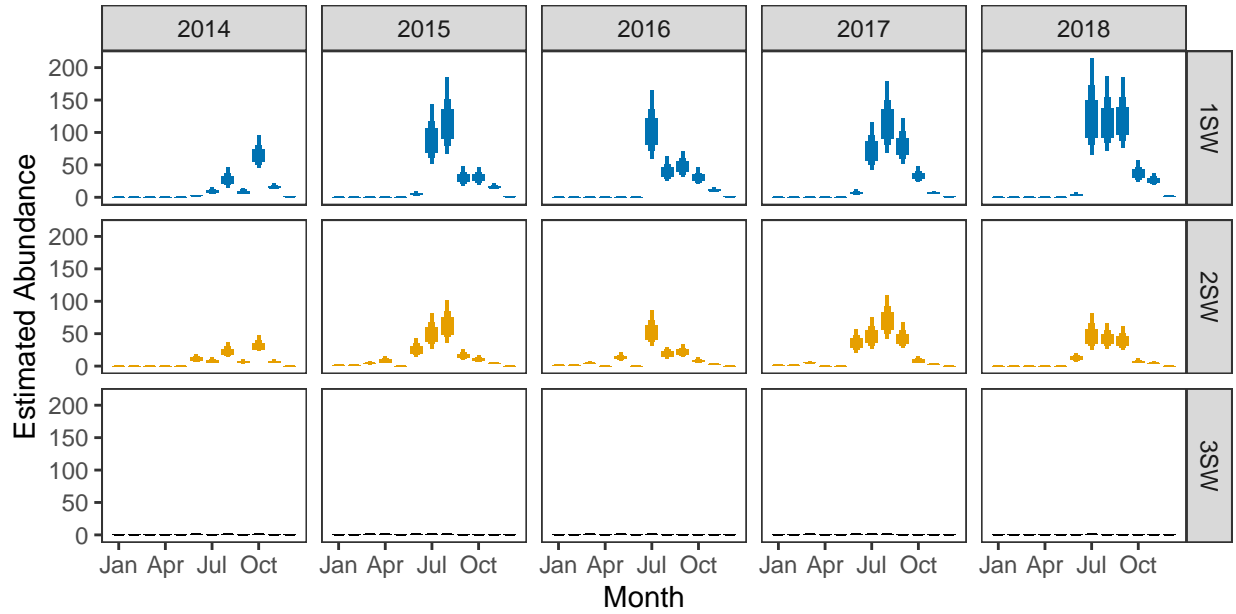Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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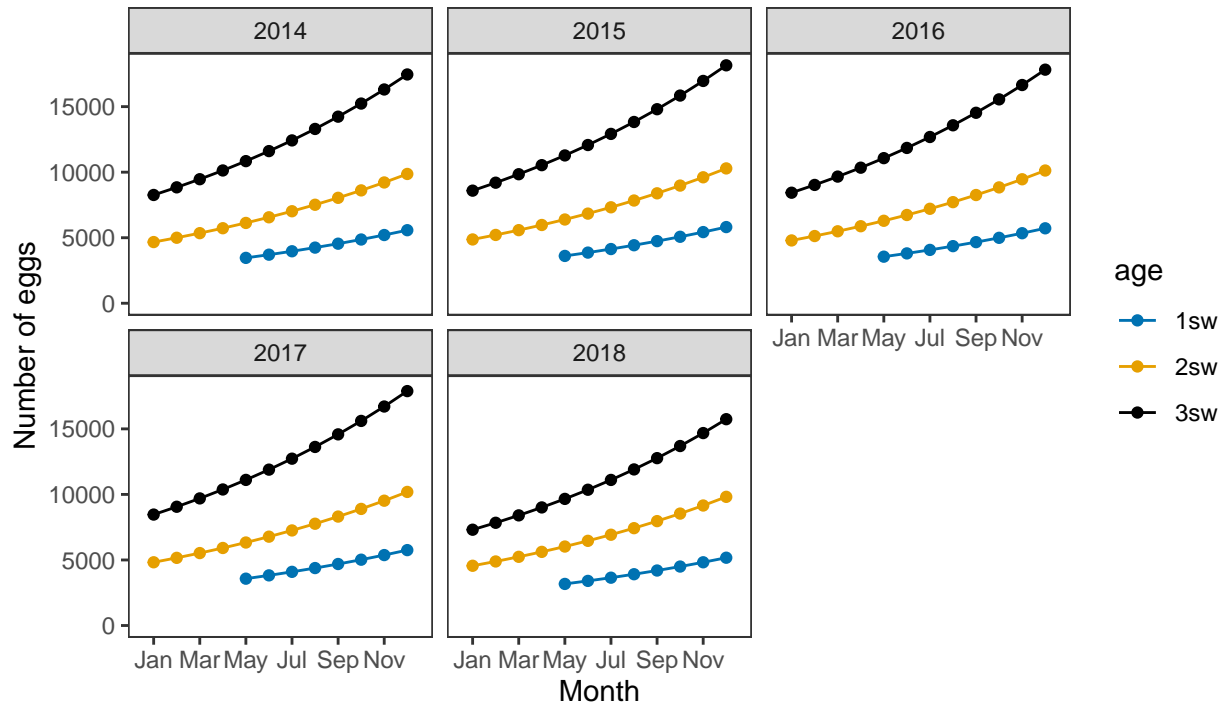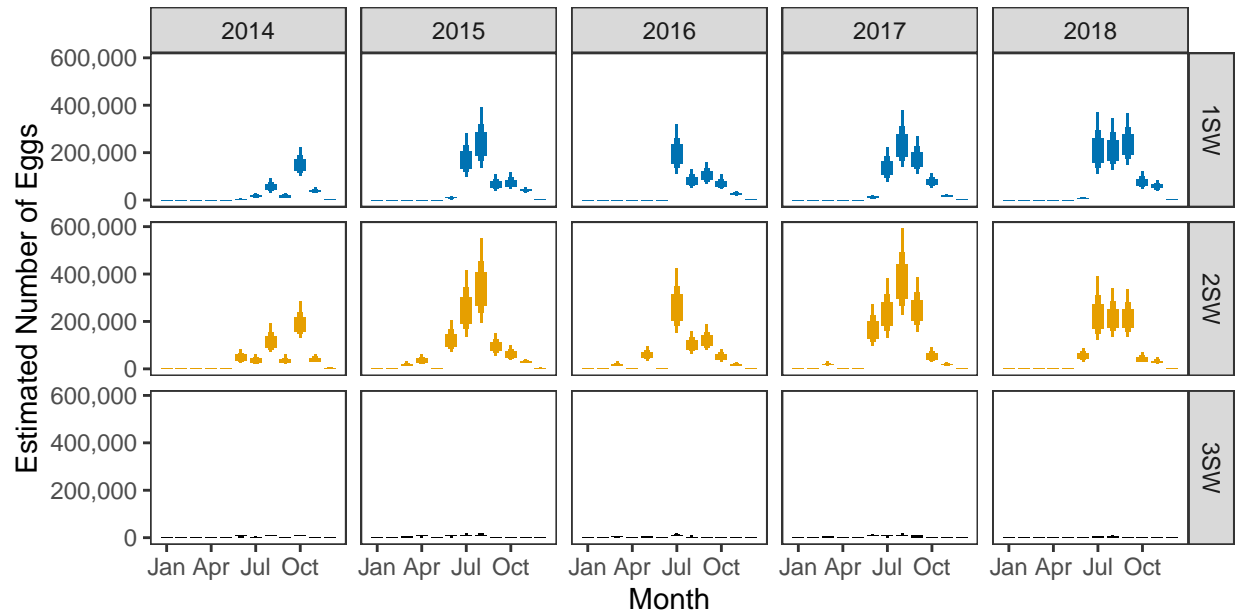
Ages of fish

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
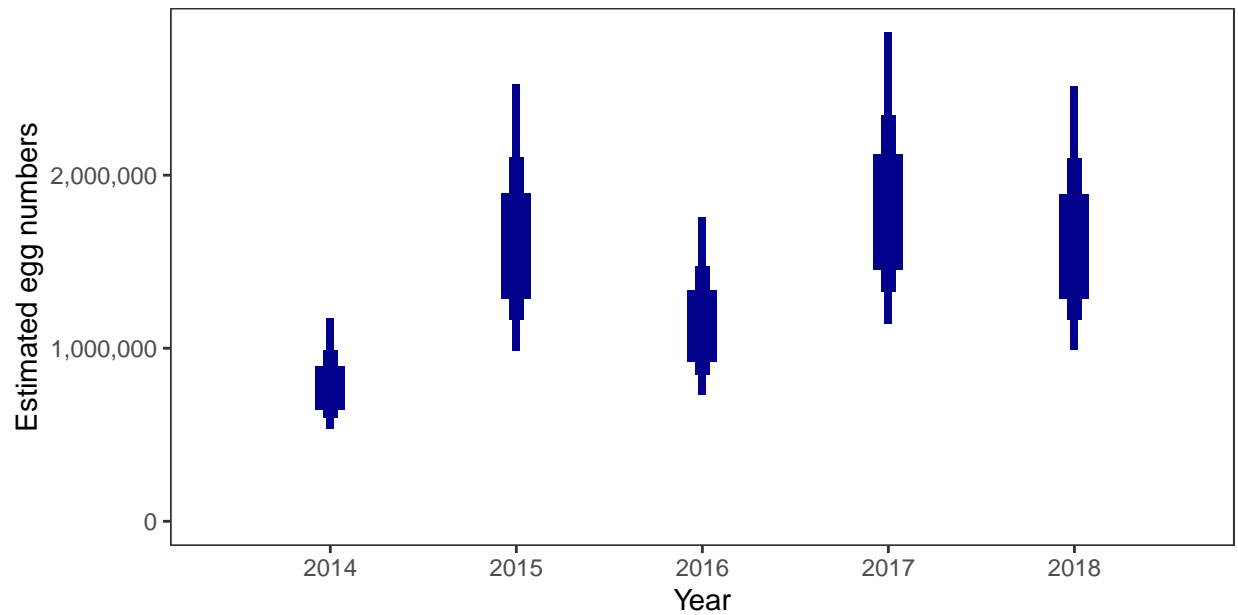
Egg contents of females

Monthly number of eggs

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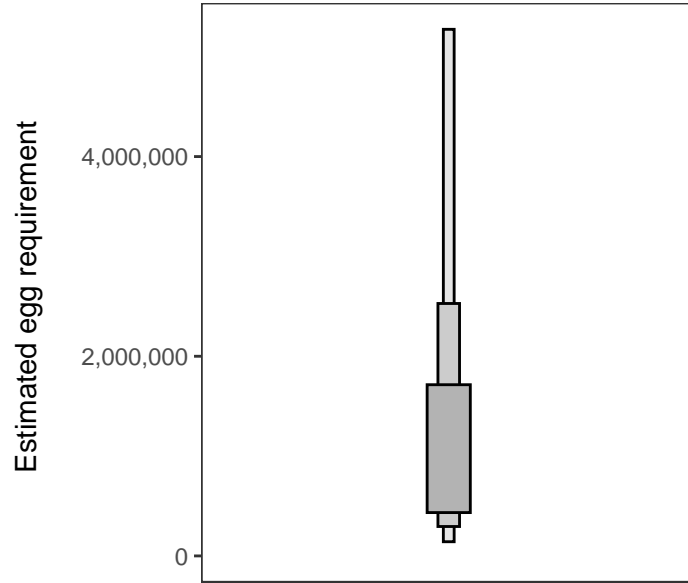
Total annual egg numbers

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 511,012 square meters of known salmon habitat in the Urr Water and a further 41,351 square meters where salmon may be present.
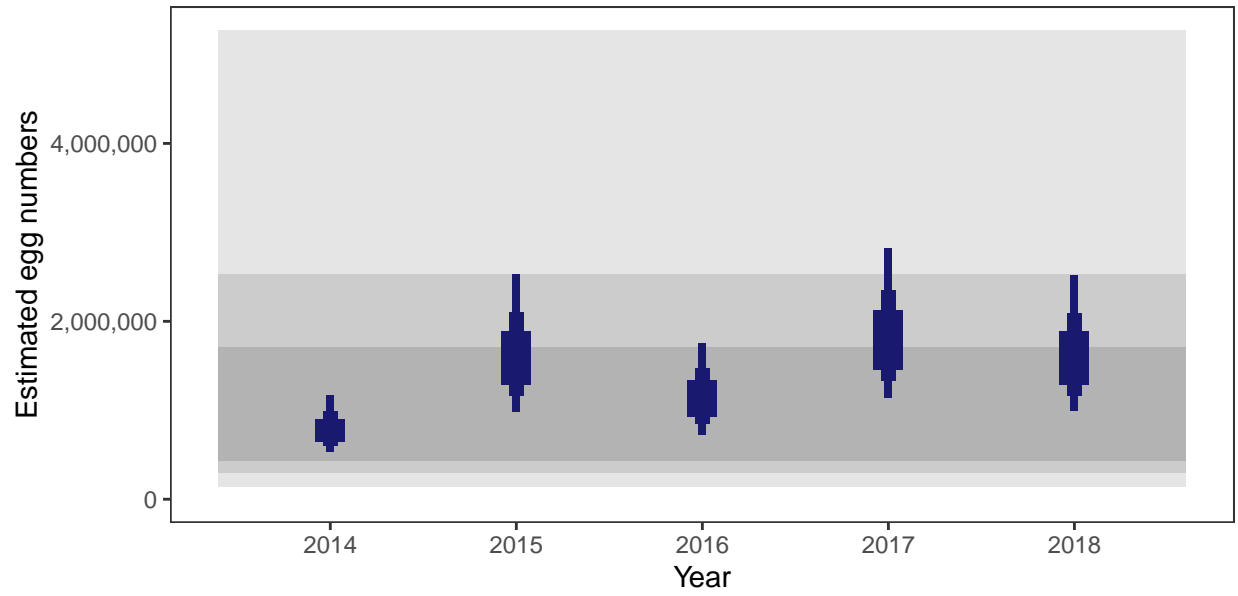
Egg requirement

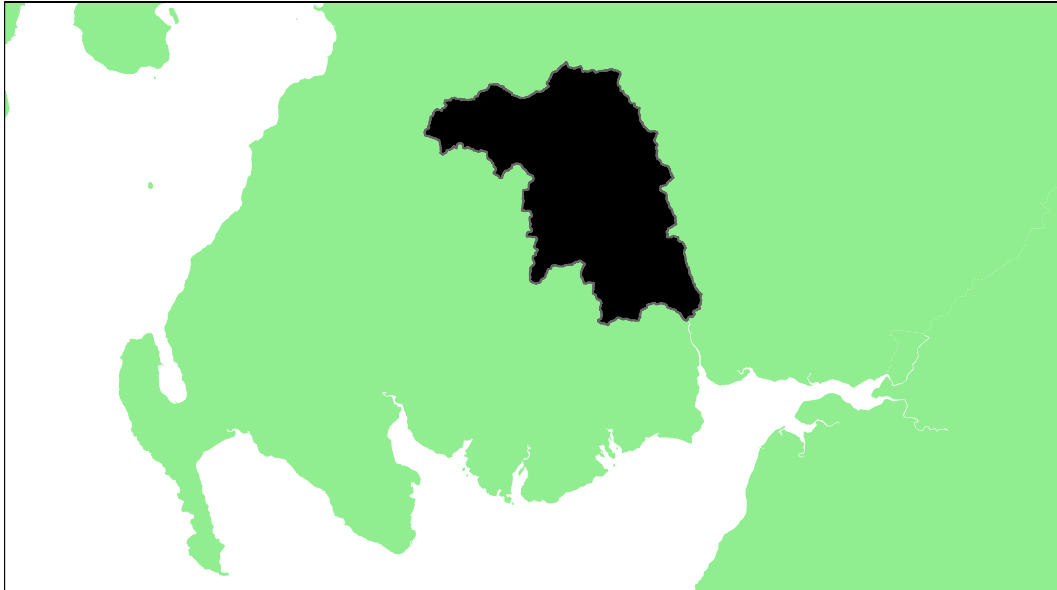Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2014	46.02
2015	71.13
2016	59.30
2017	74.81
2018	72.25

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)
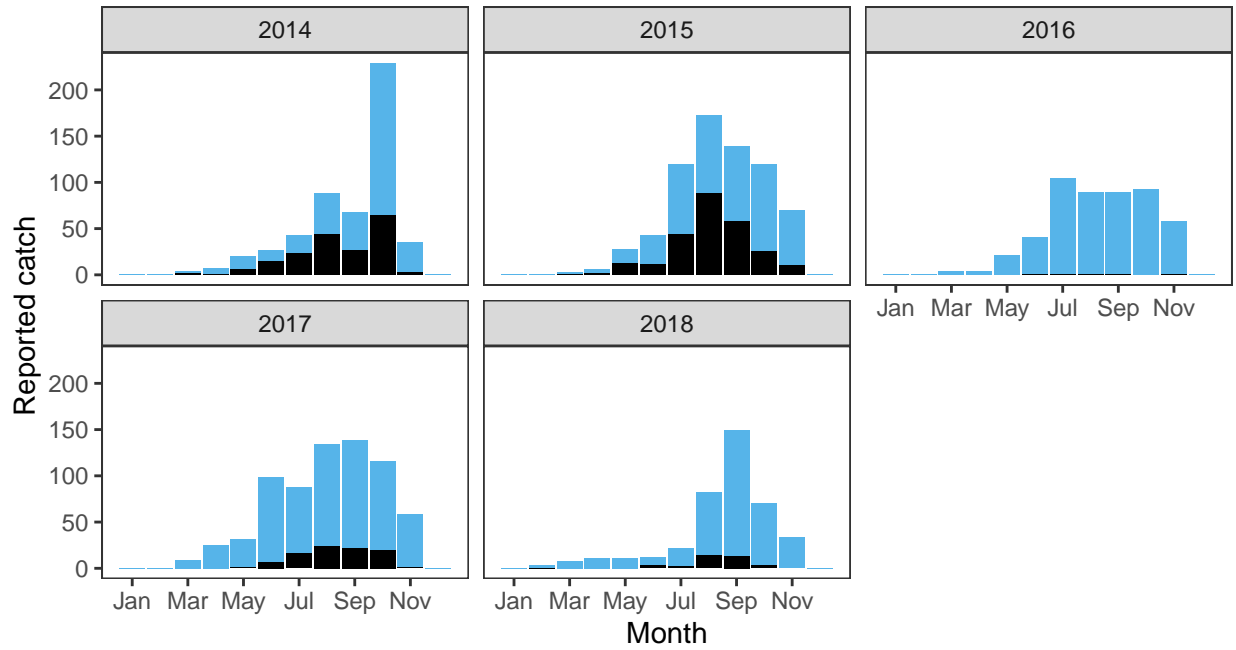
River Nith: Grade 3

Summary Table

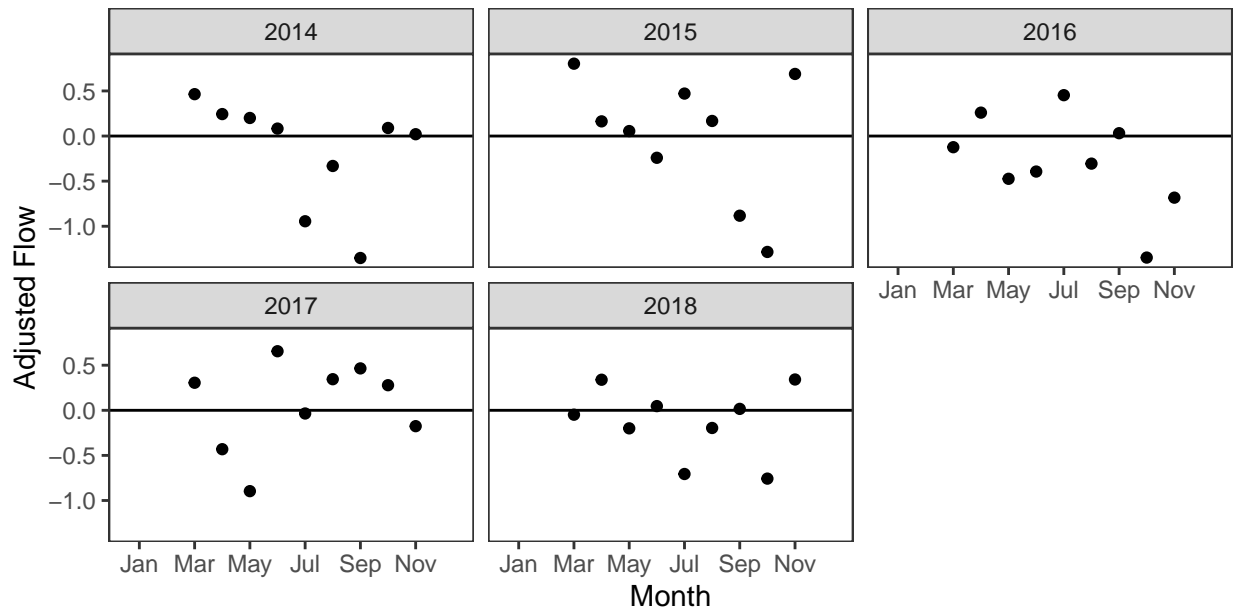| Eggs required (m²)[a]	Area (m²)[a]	Total egg requirement[a]	Percentage chance meeting requirement						
			2014	2015	2016	2017	2018	Overall	Grade
2.28	4,427,900	10,103,459	52.08	66.67	57.48	69.85	35.37	56.29	3

[a] Figures presented are median values

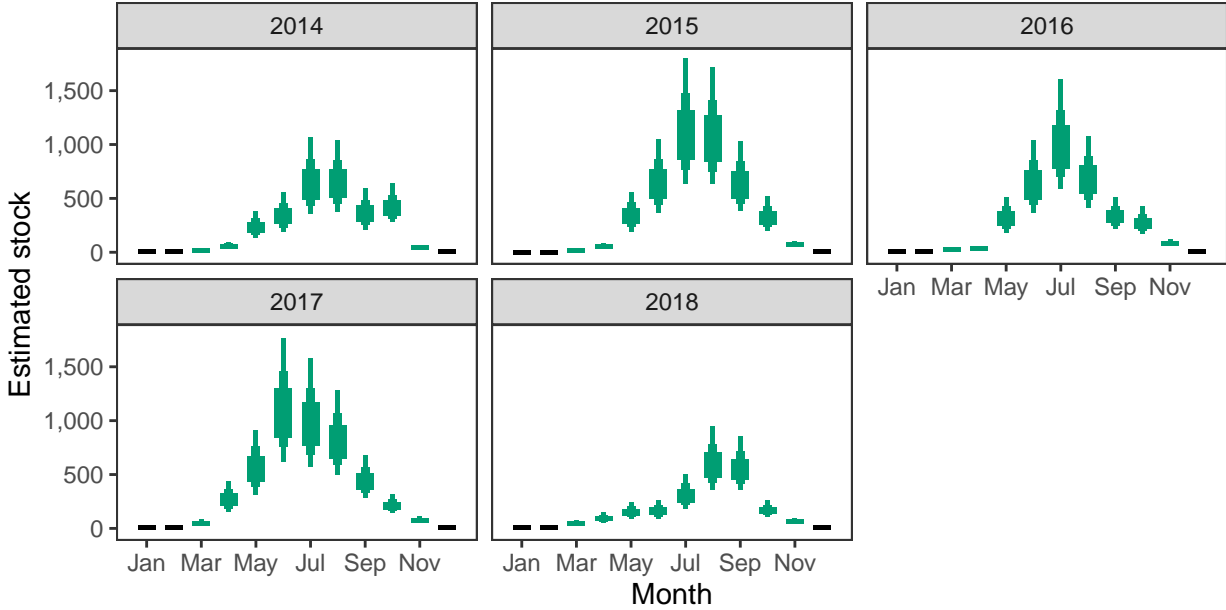# 1. Converting Reported Catches to Numbers of Returning Salmon

Reported Catches (black = retained, blue = released)
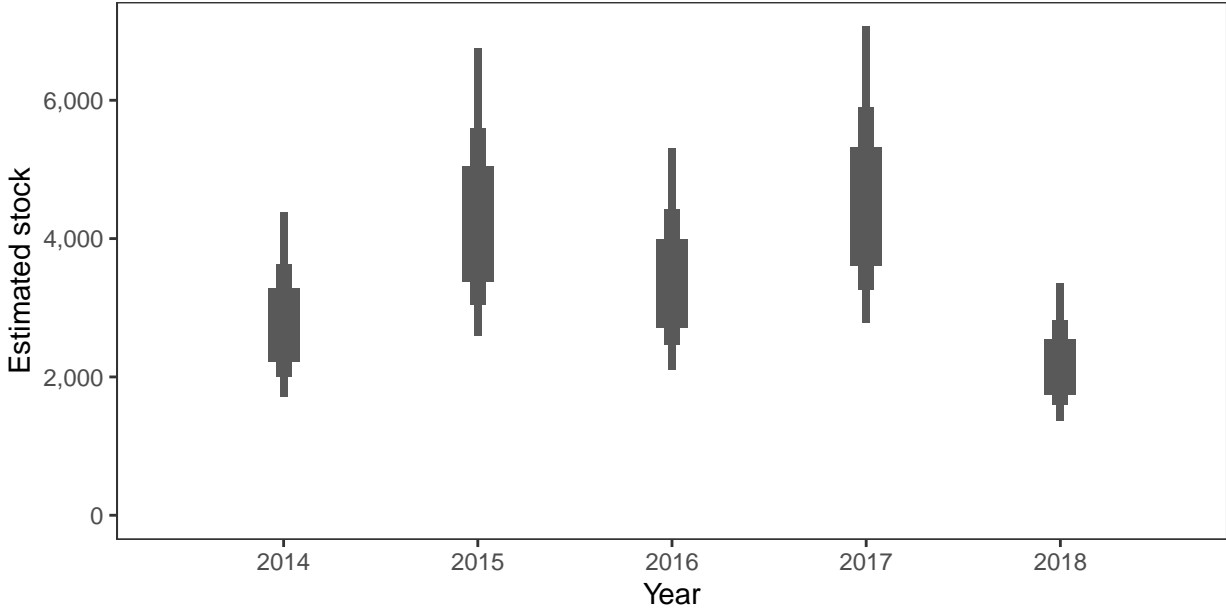

Monthly flow data

Monthly stock estimates (out of season in black)
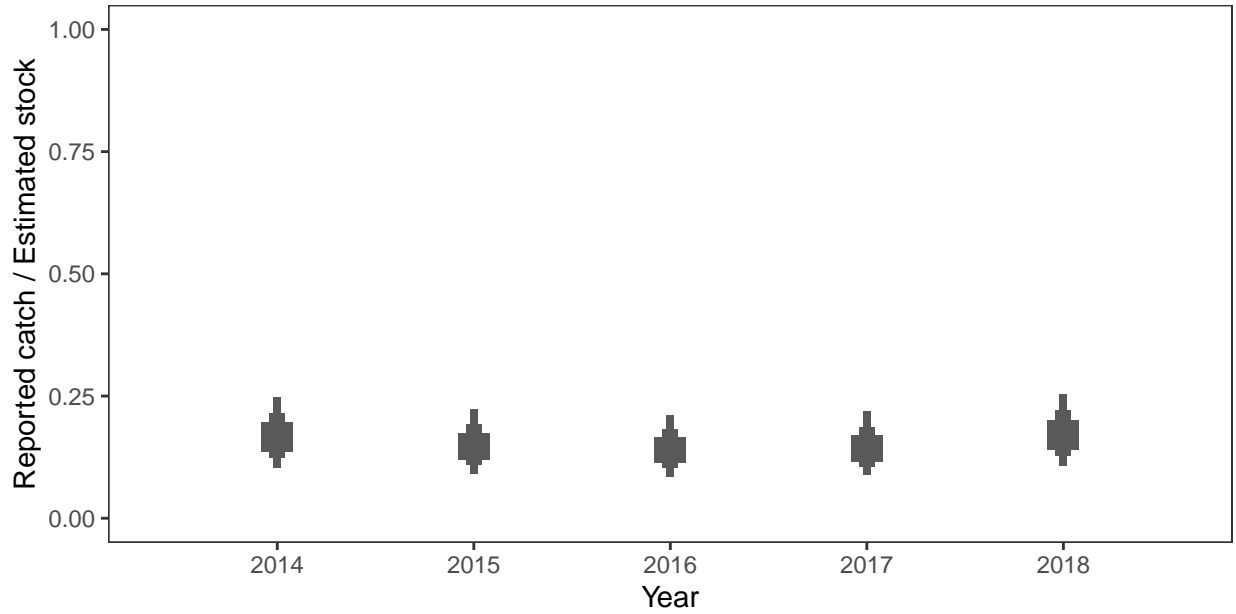

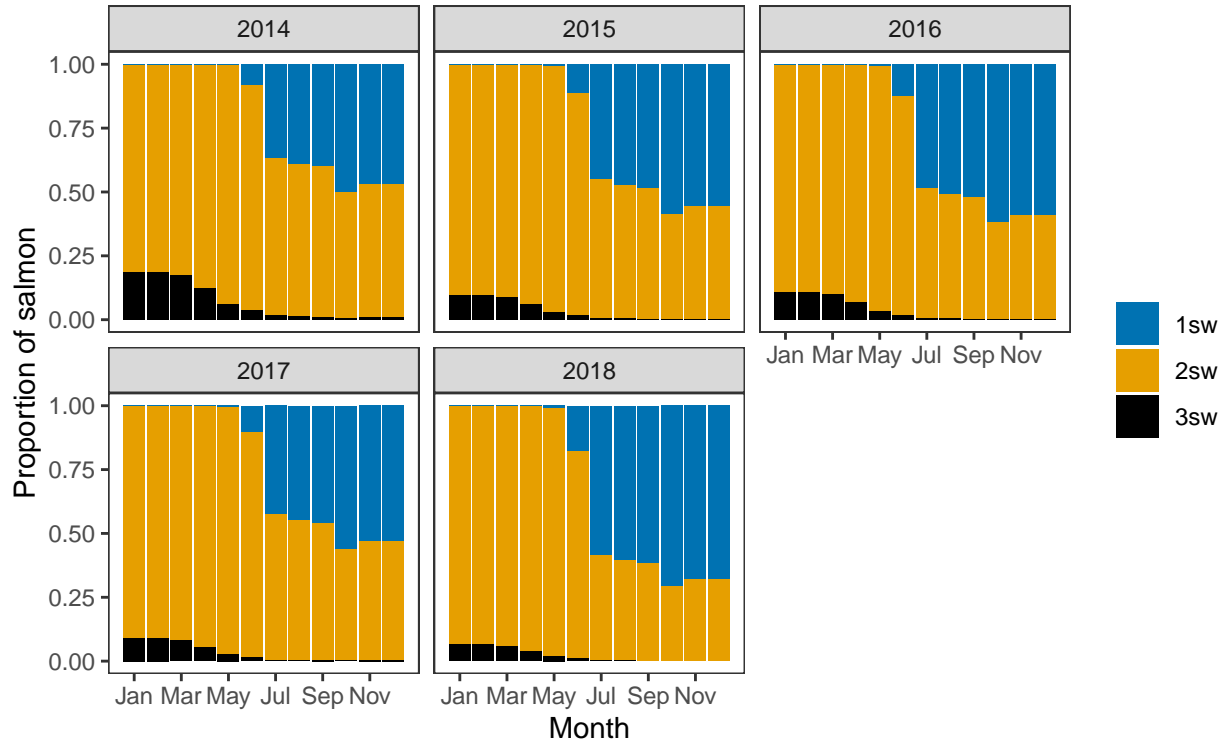Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

Annual estimated stock

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

Annual catch as a proportion of stock

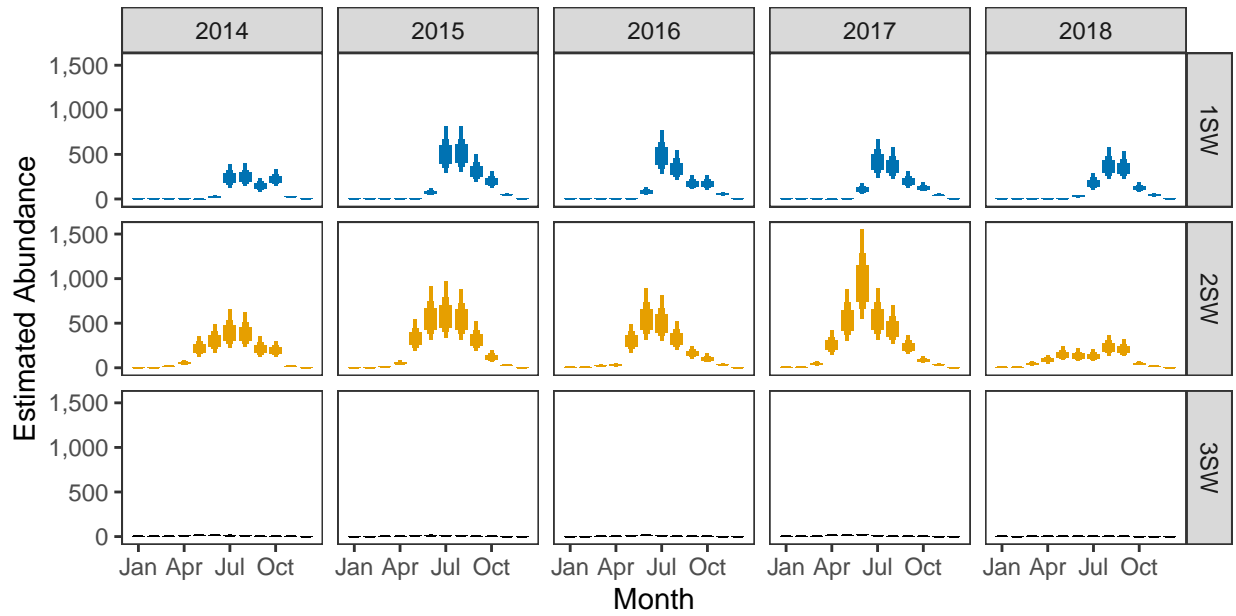Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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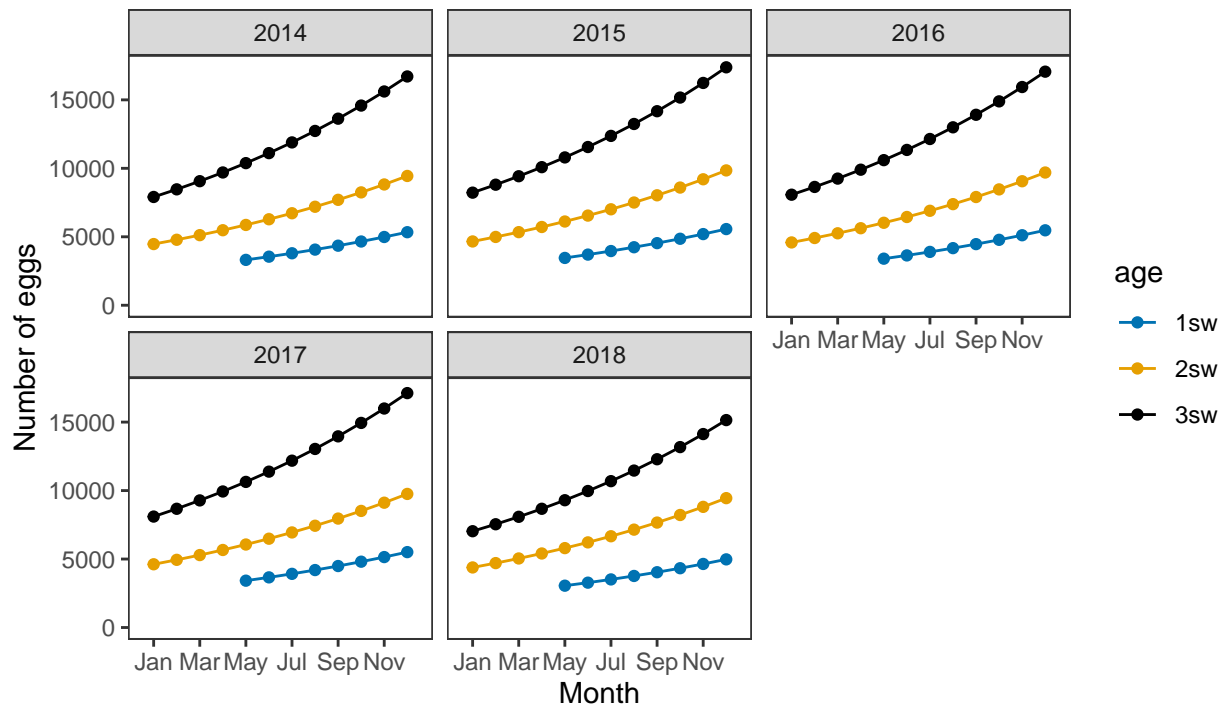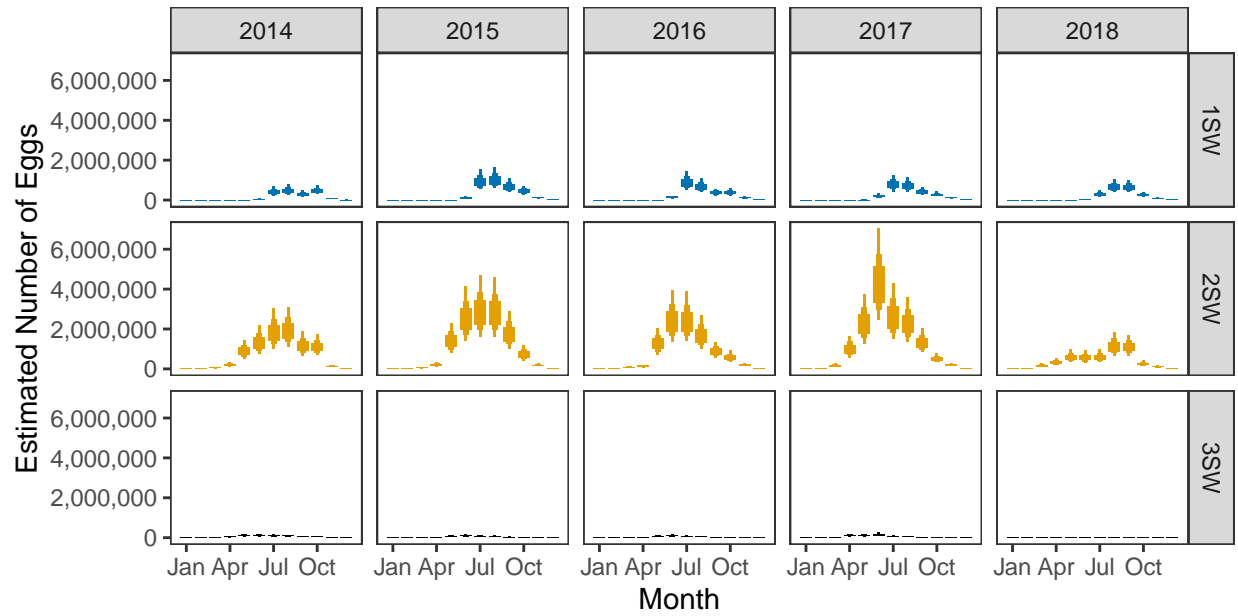
Ages of fish

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
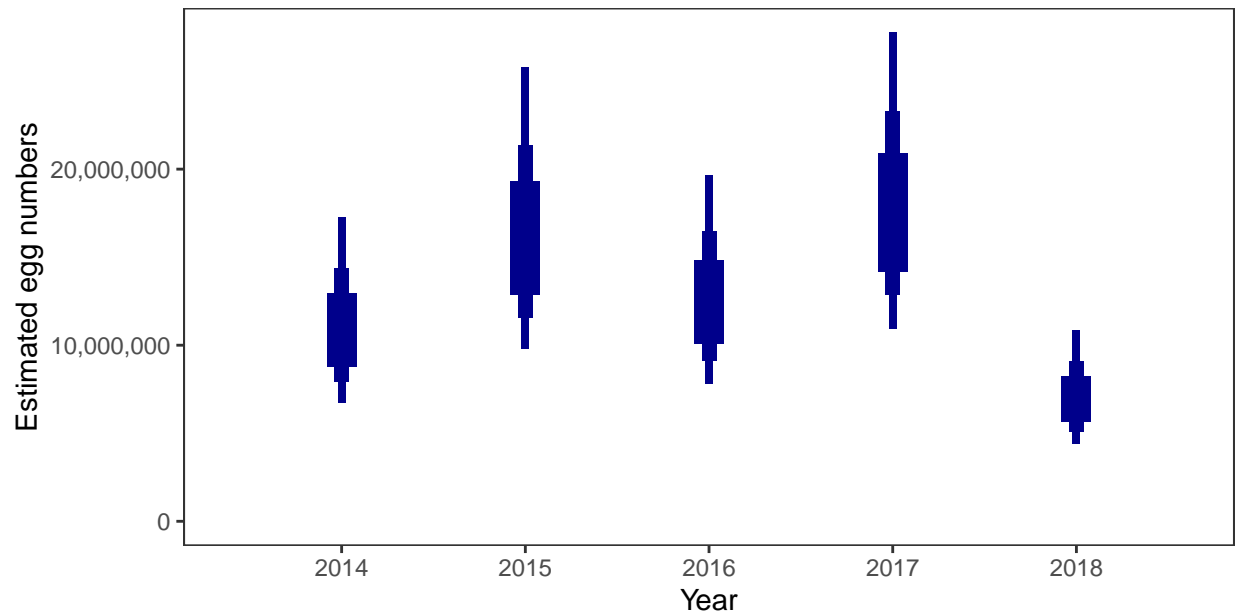
Egg contents of females

Monthly number of eggs

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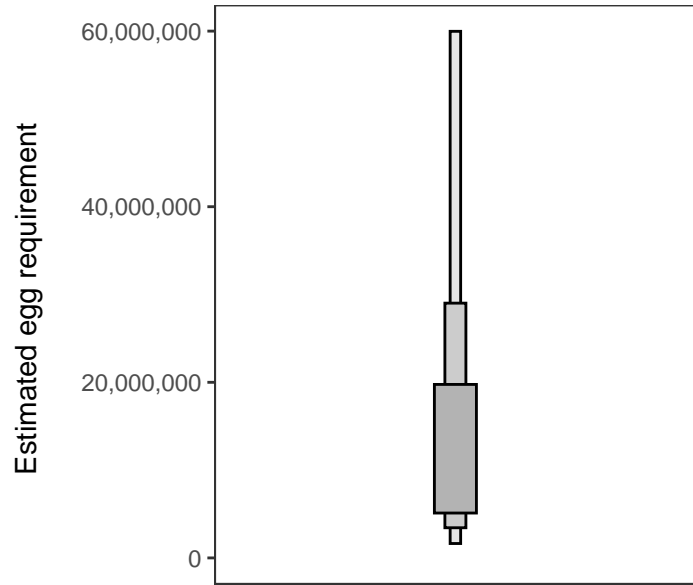
Total annual egg numbers

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 4,573,785 square meters of known salmon habitat in the River Nith and a further 457,919 square meters where salmon may be present.
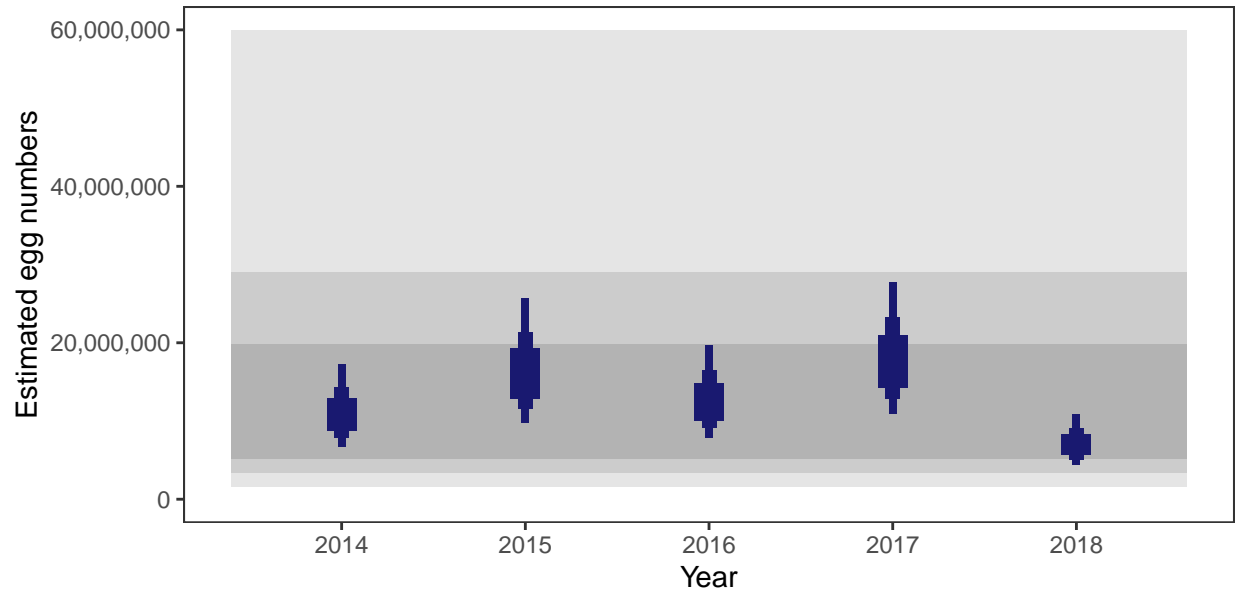
Egg requirement

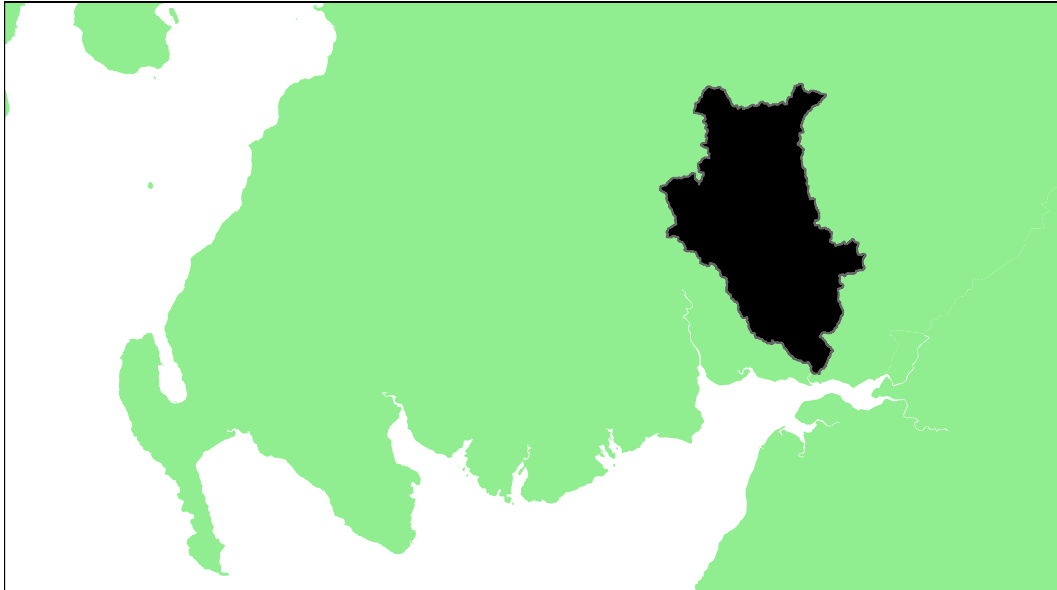Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2014	52.08
2015	66.67
2016	57.48
2017	69.85
2018	35.37

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)
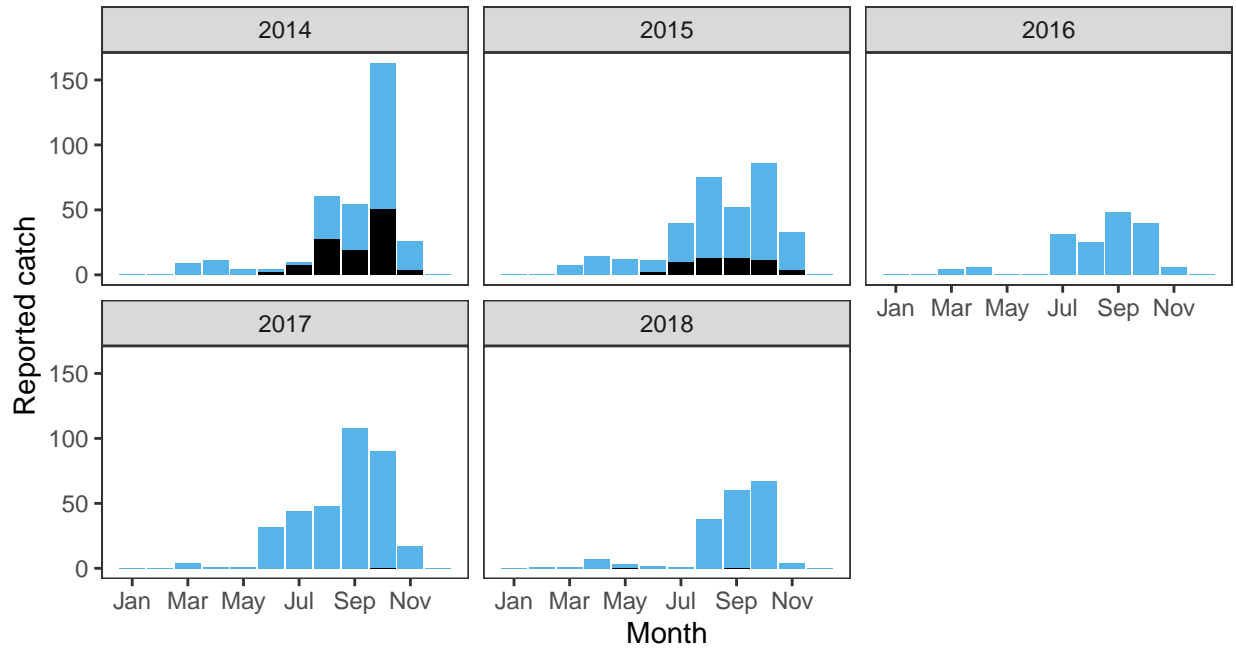
River Annan: Grade 3

Summary Table

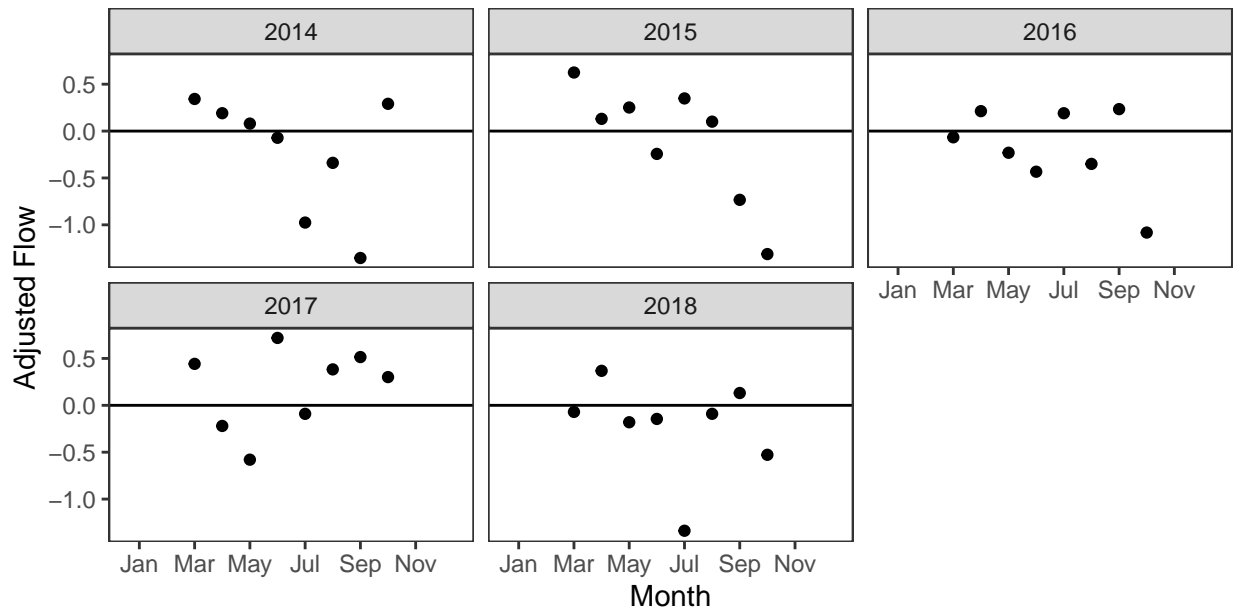| Eggs required $(m^2)^a$	Area $(m^2)^a$	Total egg requirement[a]	Percentage chance meeting requirement						
			2014	2015	2016	2017	2018	Overall	Grade
1.6	3,946,800	6,330,662	48.86	55.56	26.87	53.88	21.69	41.37	3

[a] Figures presented are median values

1. Converting Reported Catches to Numbers of Returning Salmon
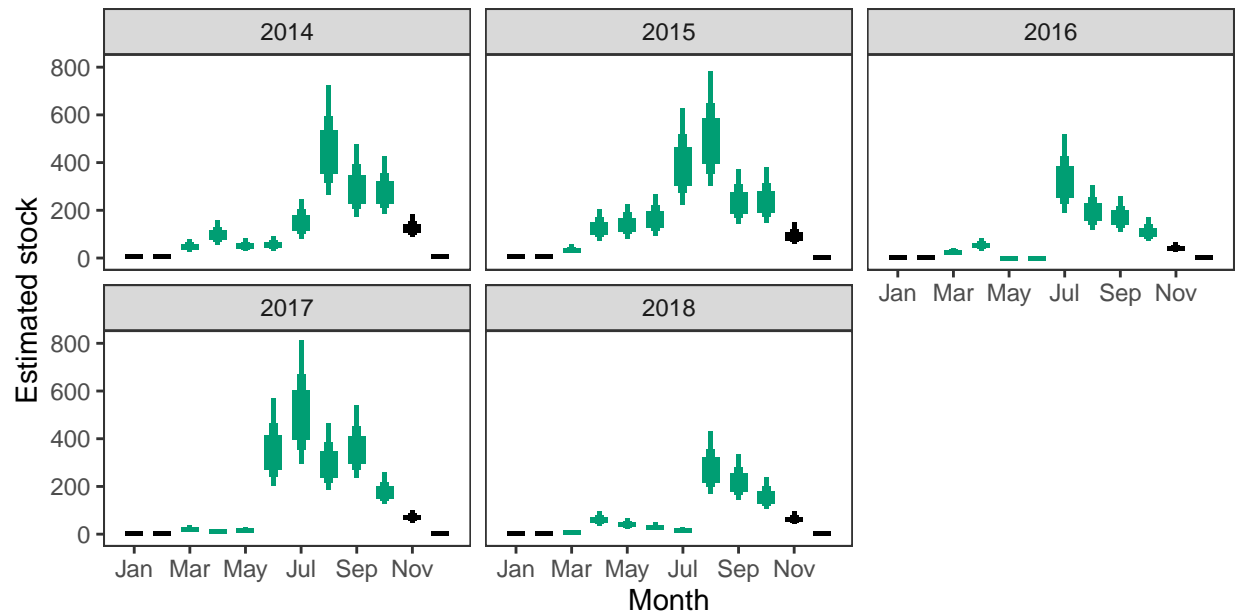
Reported Catches (black = retained, blue = released)
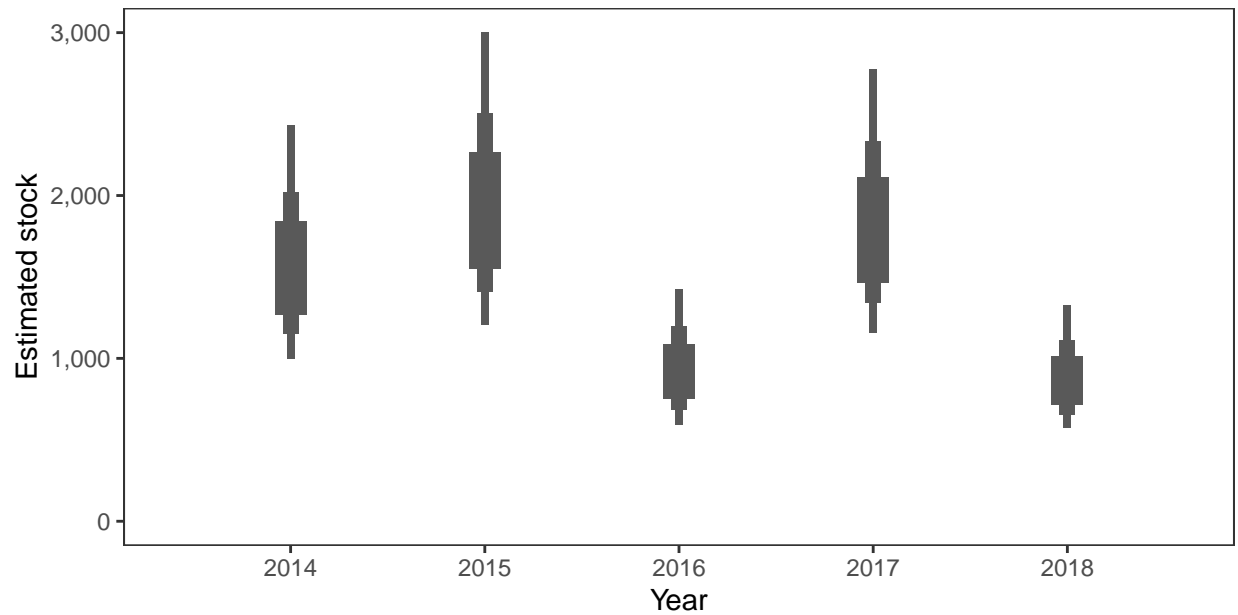

Monthly flow data

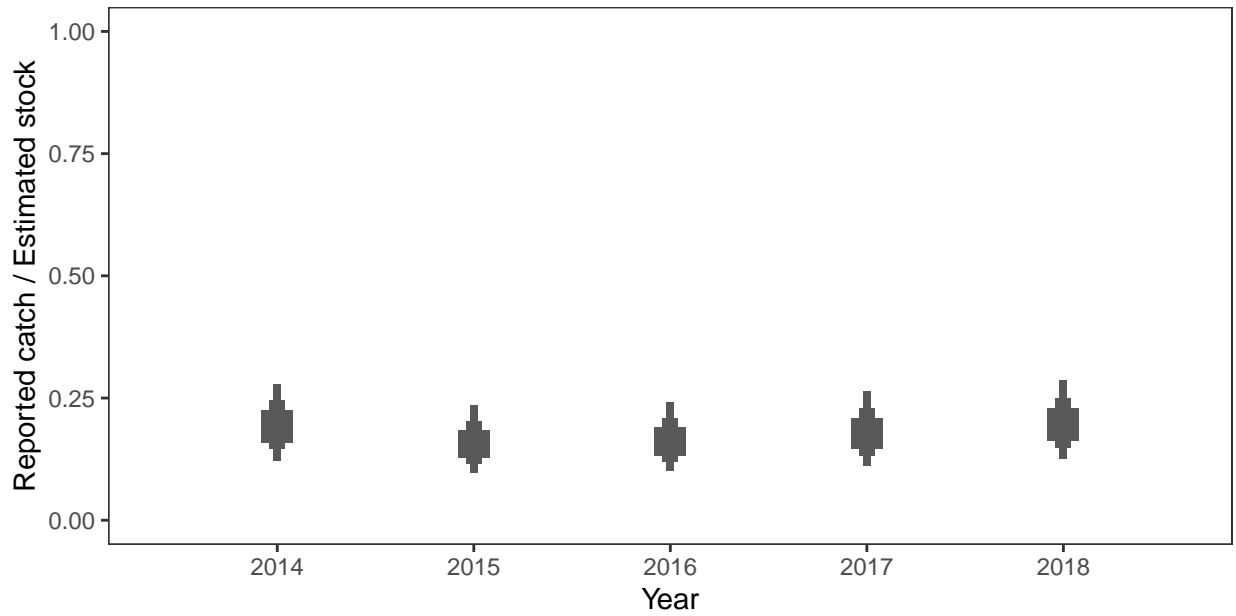## Monthly stock estimates (out of season in black)

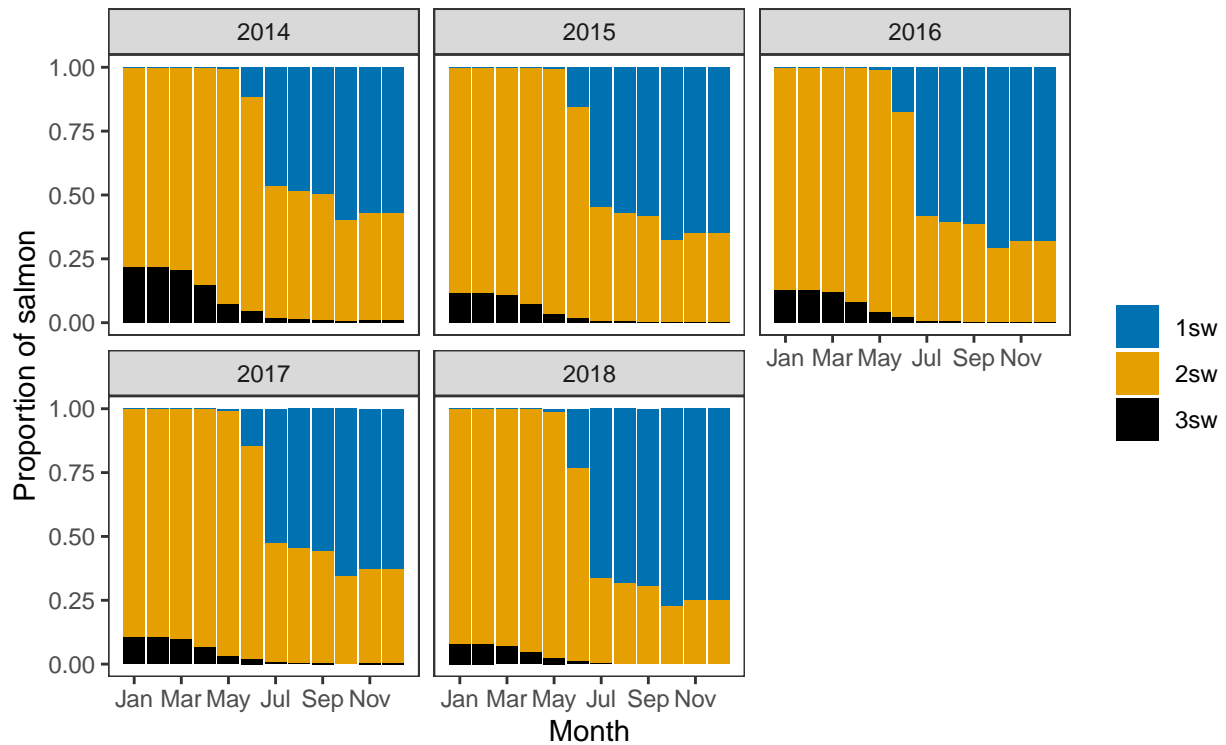Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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).
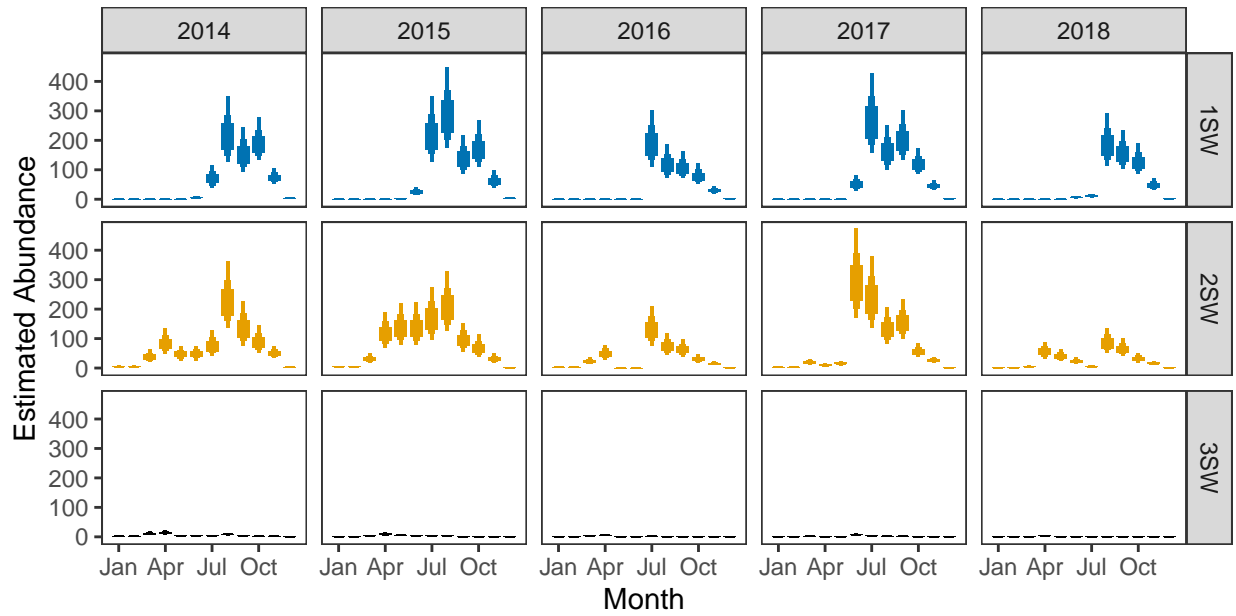
2. Converting Numbers of Returning Salmon to Numbers of Spawning Females
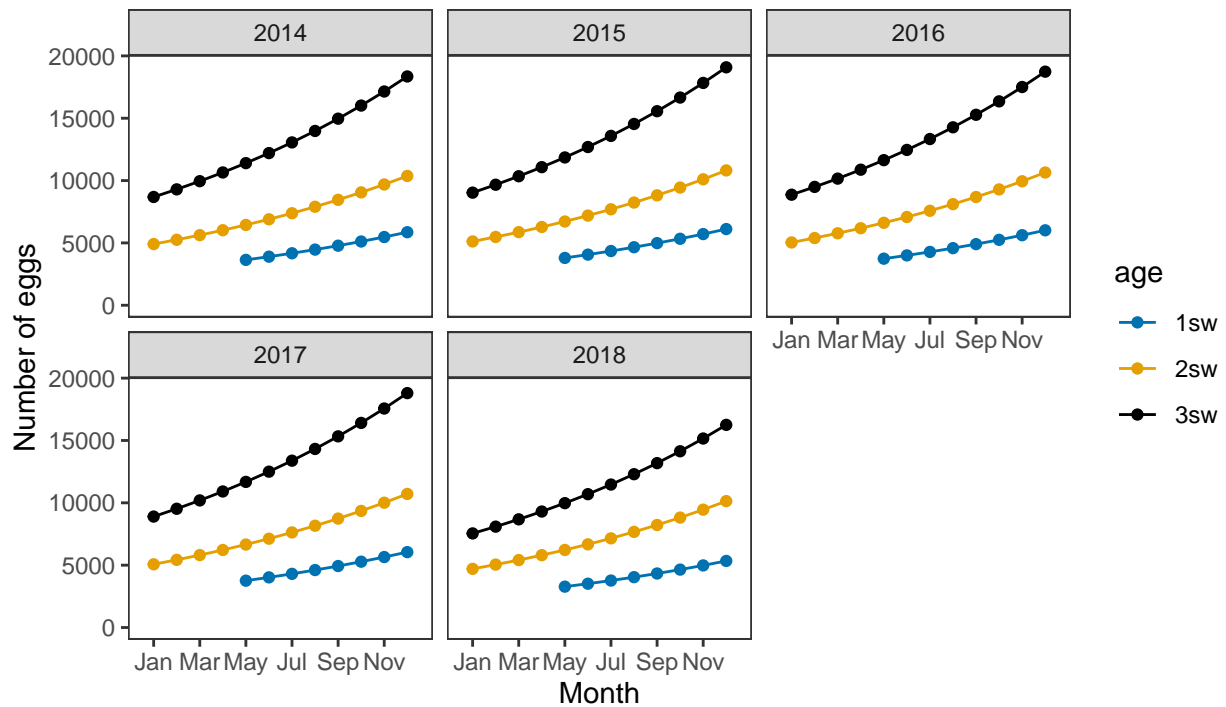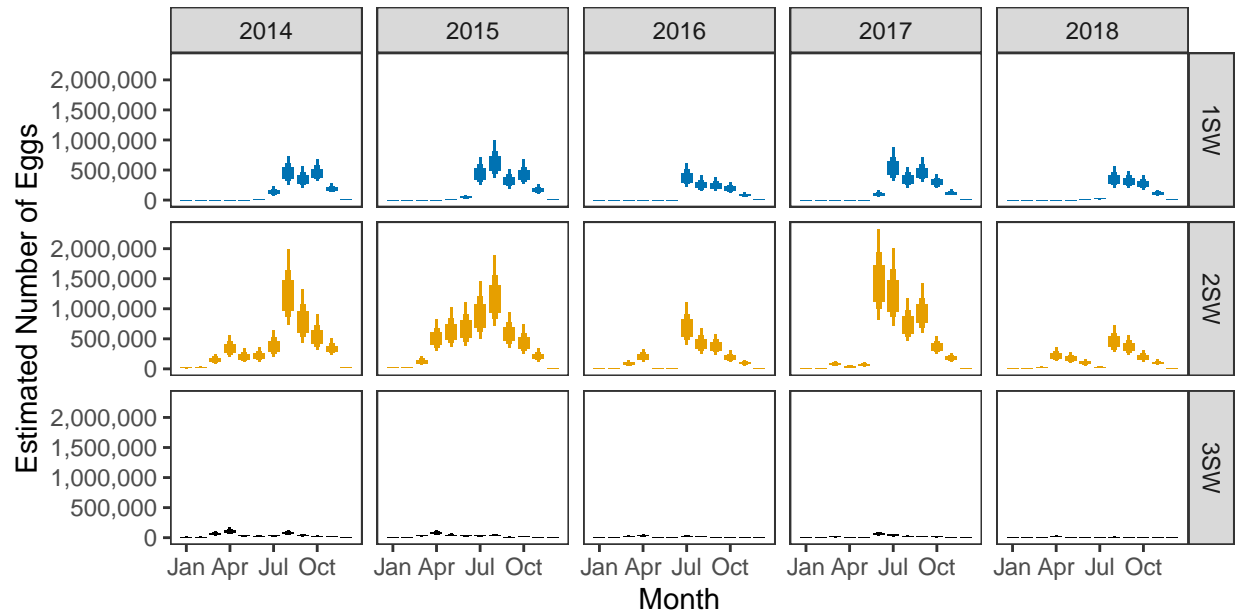
Ages of fish

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
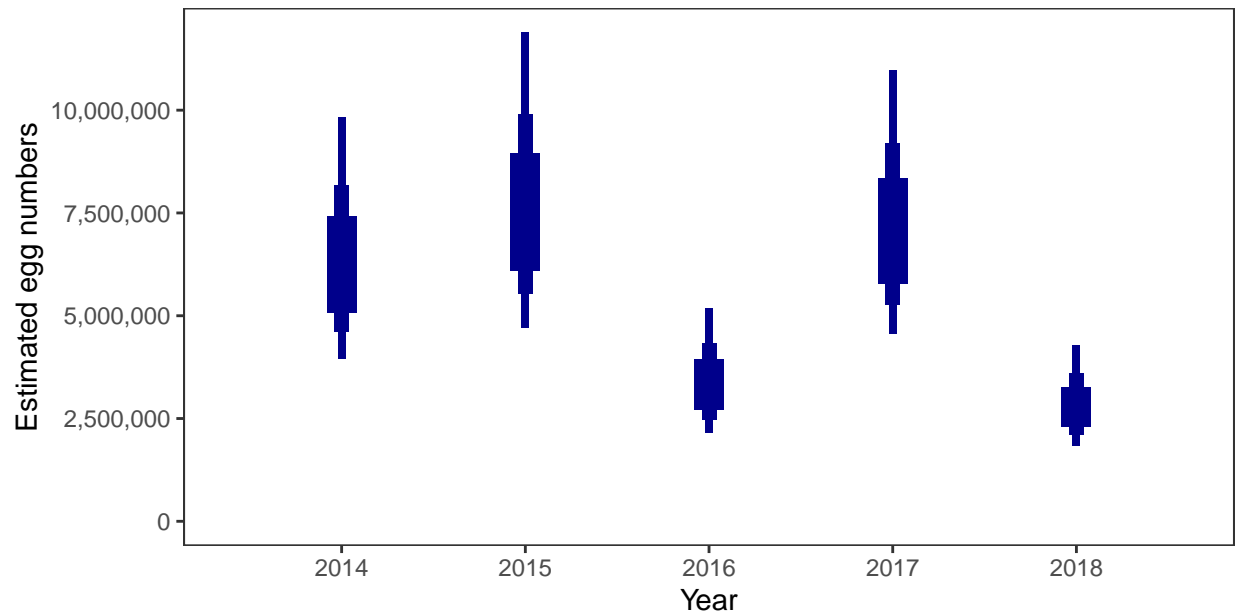
Egg contents of females

Monthly number of eggs

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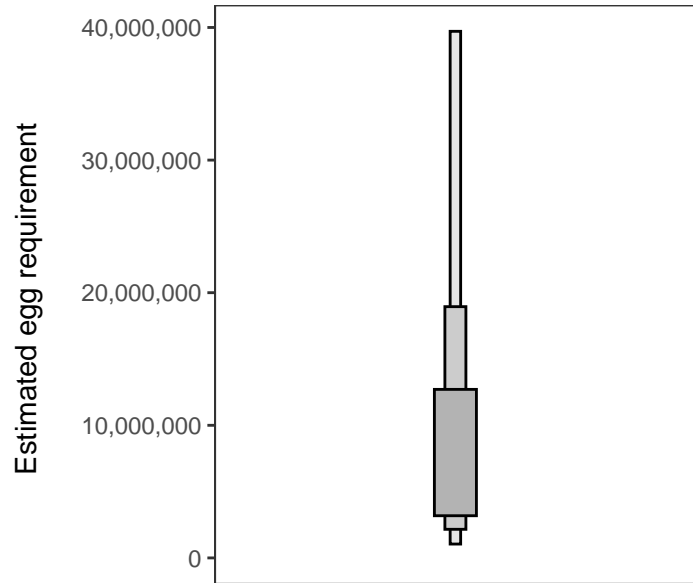
Total annual egg numbers

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 4,119,796 square meters of known salmon habitat in the River Annan and a further 365,158 square meters where salmon may be present.
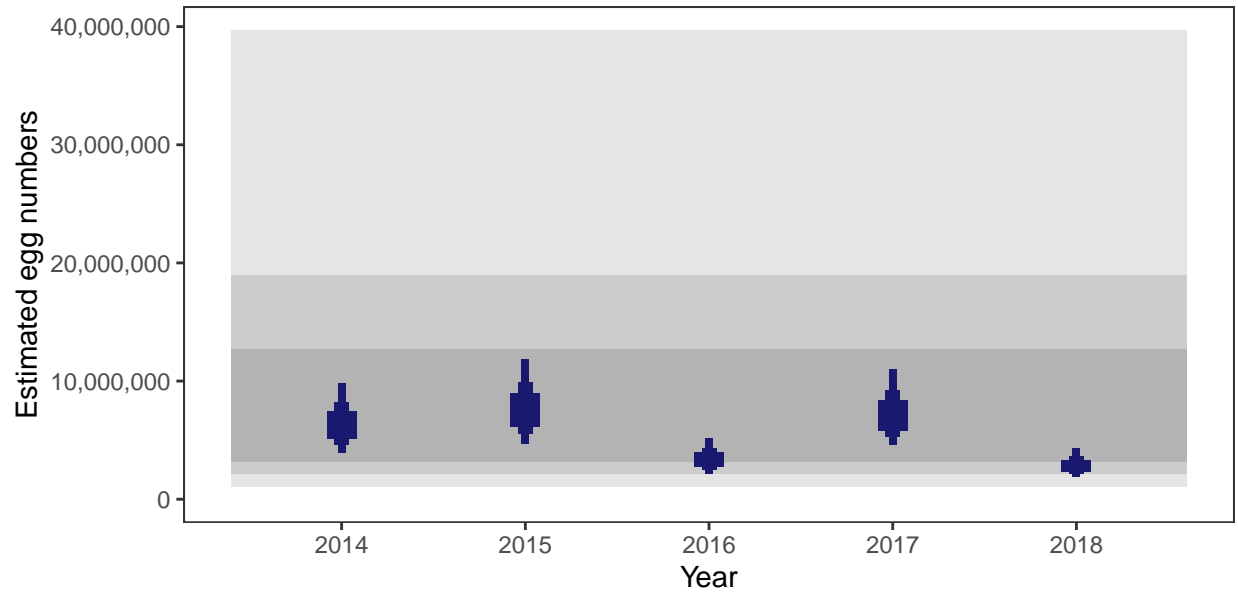
Egg requirement

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

5. Percentage chance that the egg requirement has been reached

Year	Percentage above
2014	48.86
2015	55.56
2016	26.87
2017	53.88
2018	21.69

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)