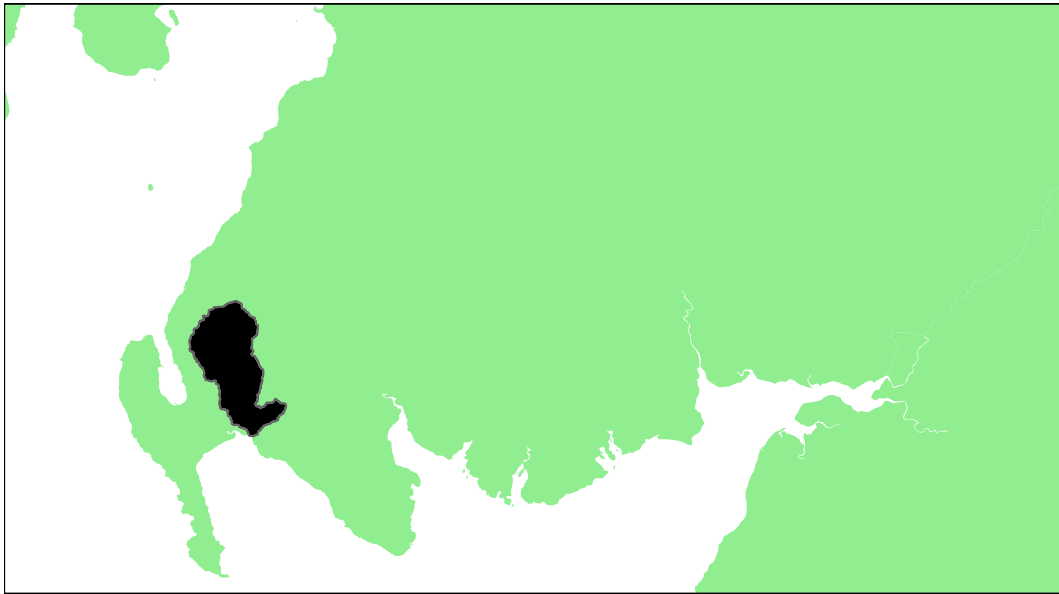


# Solway Region

## Water of Luce: Grade 3



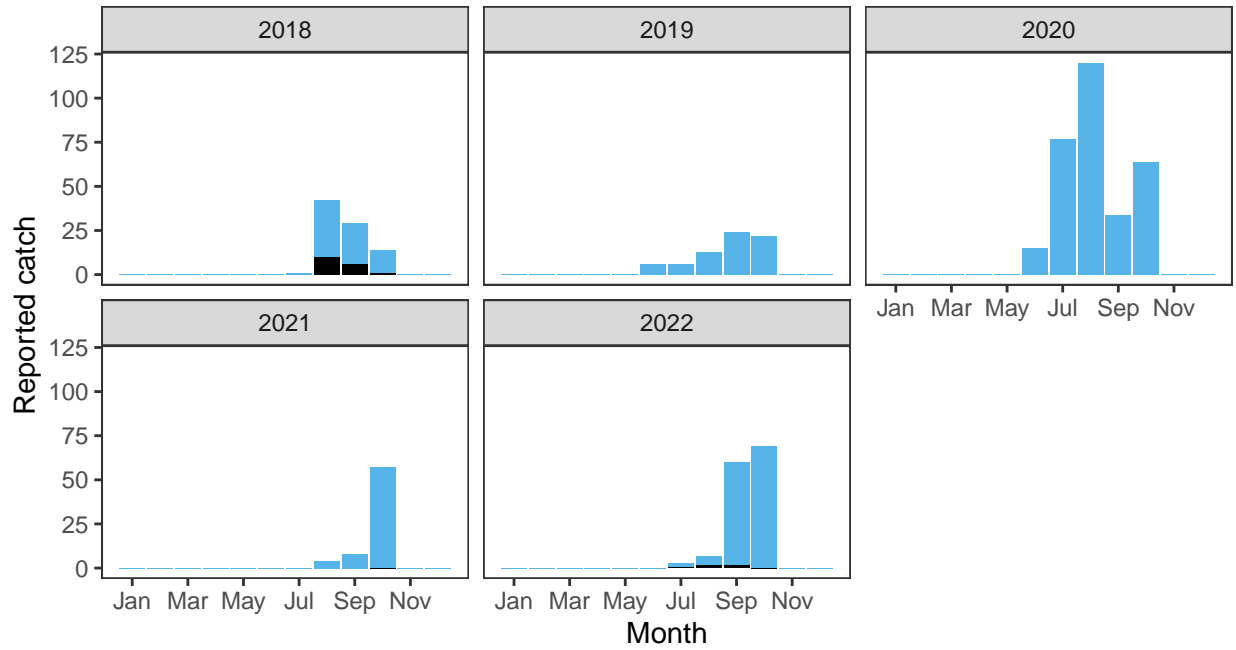
### *Summary Table*

Eggs required (m <sup>2</sup> ) <sup>a</sup>	Area (m <sup>2</sup> ) <sup>a</sup>	Total egg requirement <sup>a</sup>	Percentage chance meeting requirement					Overall	Grade
			2018	2019	2020	2021	2022		
2.08	535,000	1,114,000	48.35	41.37	90.94	26.99	53.14	0.52158	3

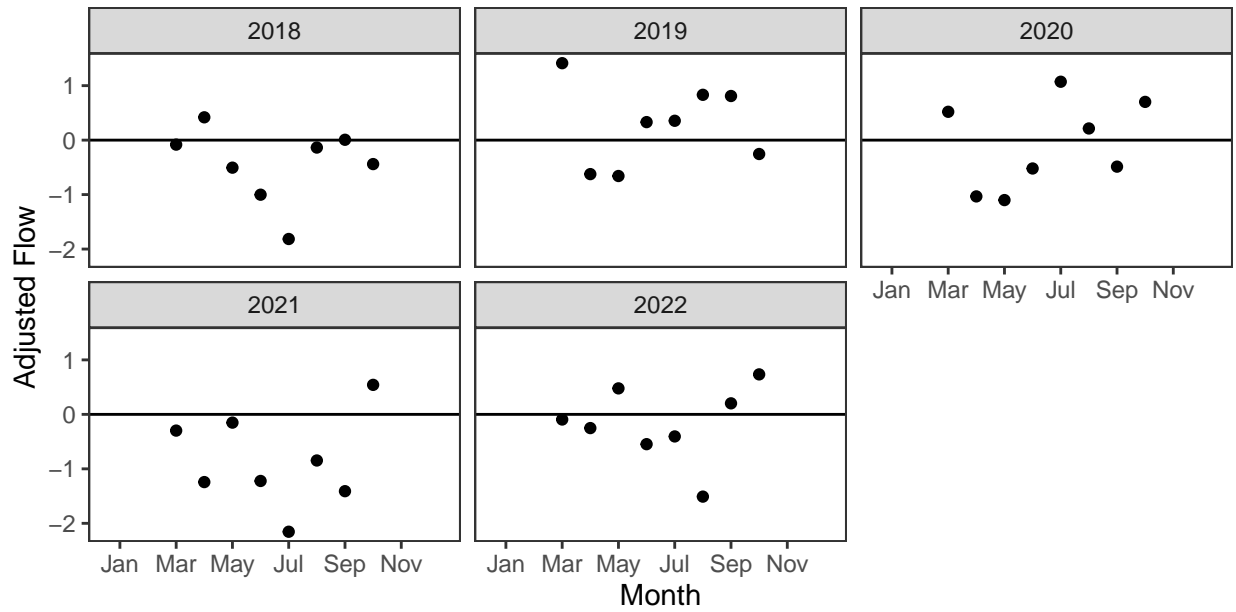
<sup>a</sup> Figures presented are median values

# 1. Converting Reported Catches to Numbers of Returning Salmon

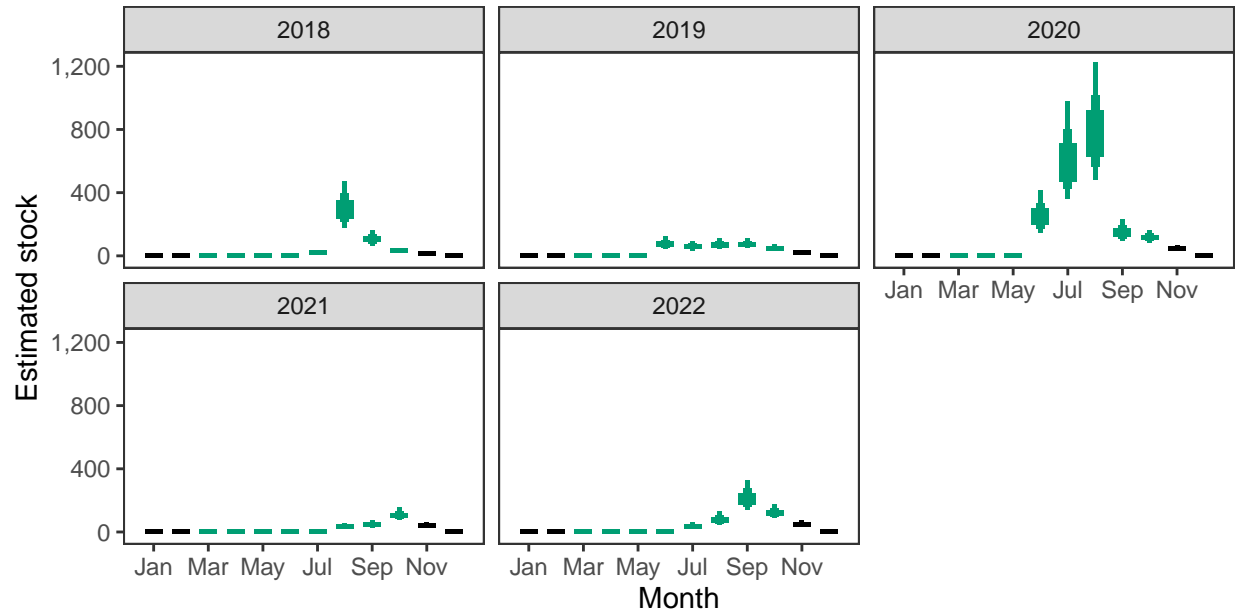
*Reported Catches (black = retained, blue = released)*



*Monthly flow data*

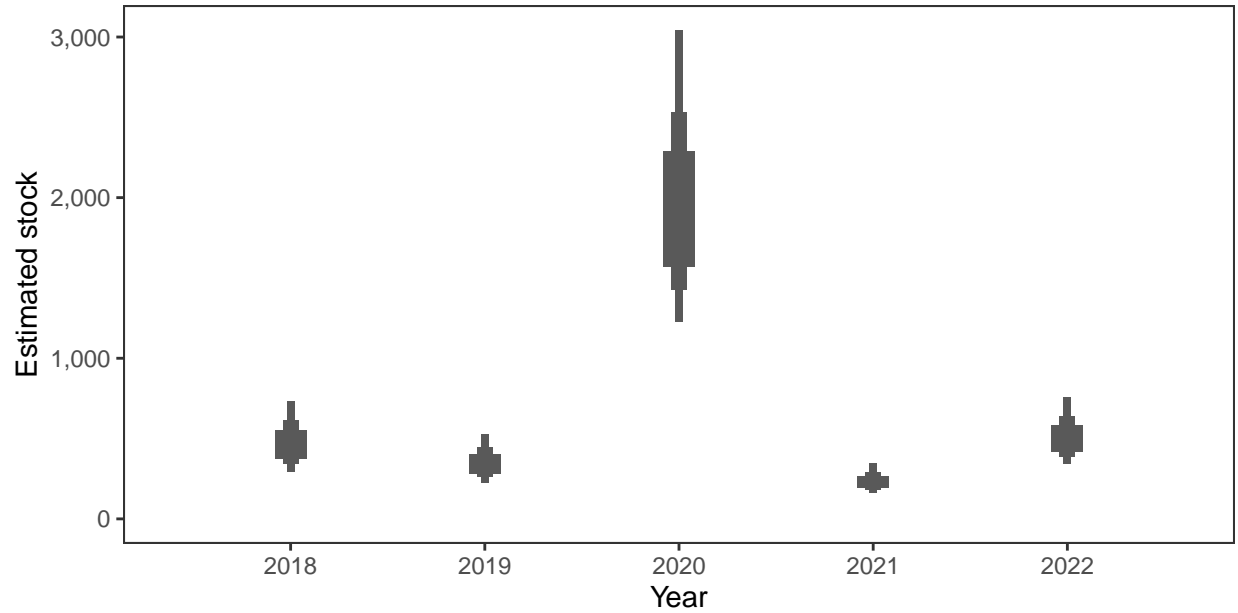


*Monthly stock estimates (out of season in black)*



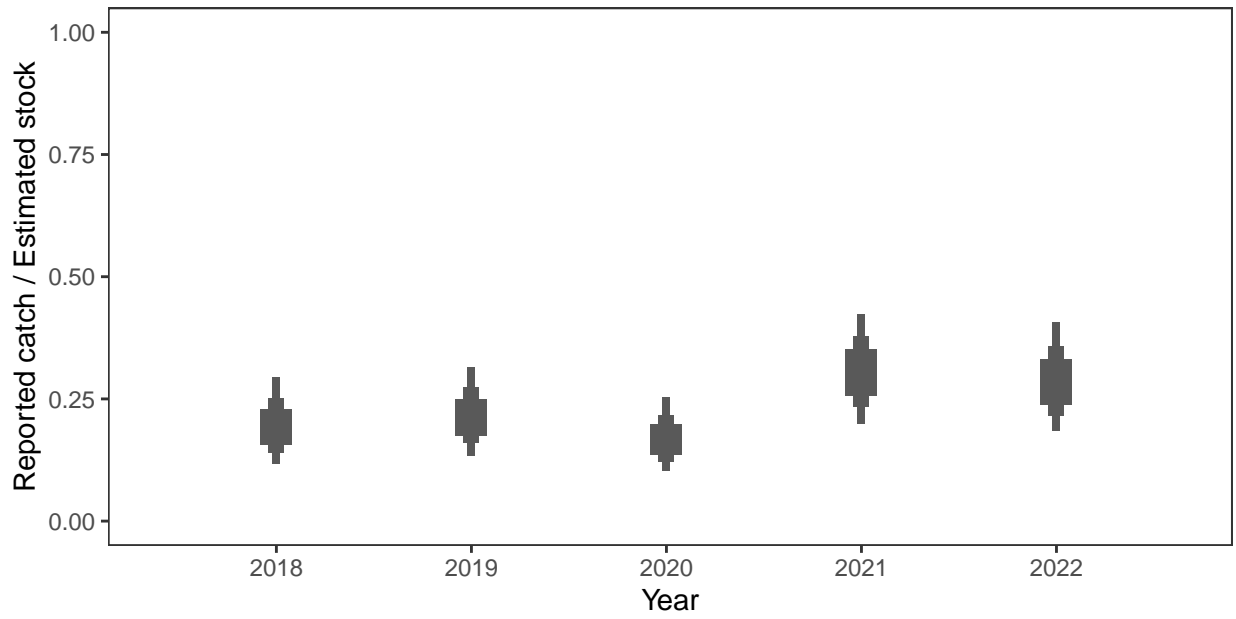
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual estimated stock*



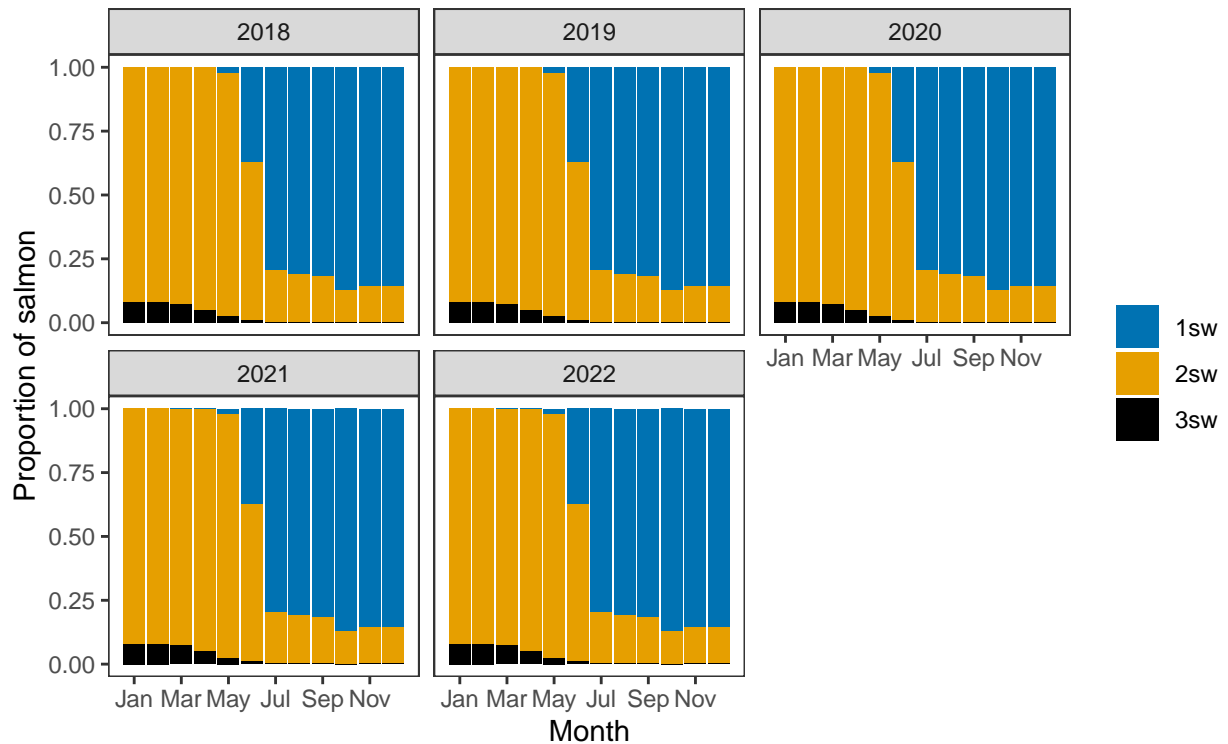
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual catch as a proportion of stock*

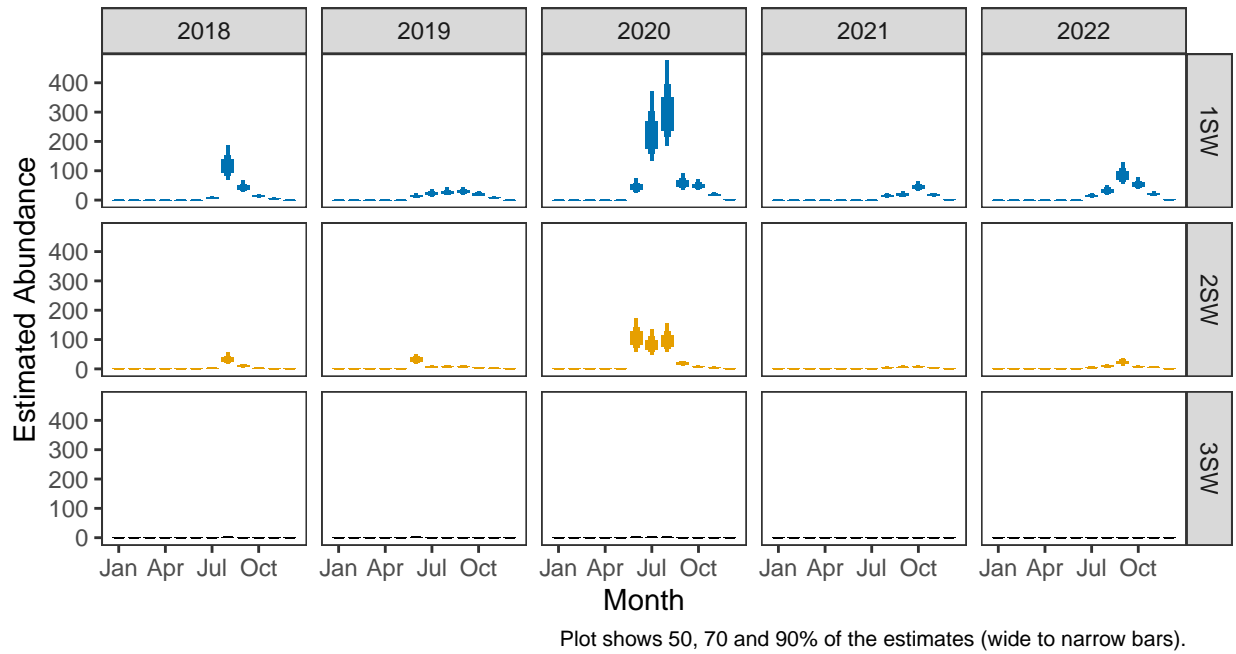


**2. Converting Numbers of Returning Salmon to Numbers of Spawning Females**

*Ages of fish*

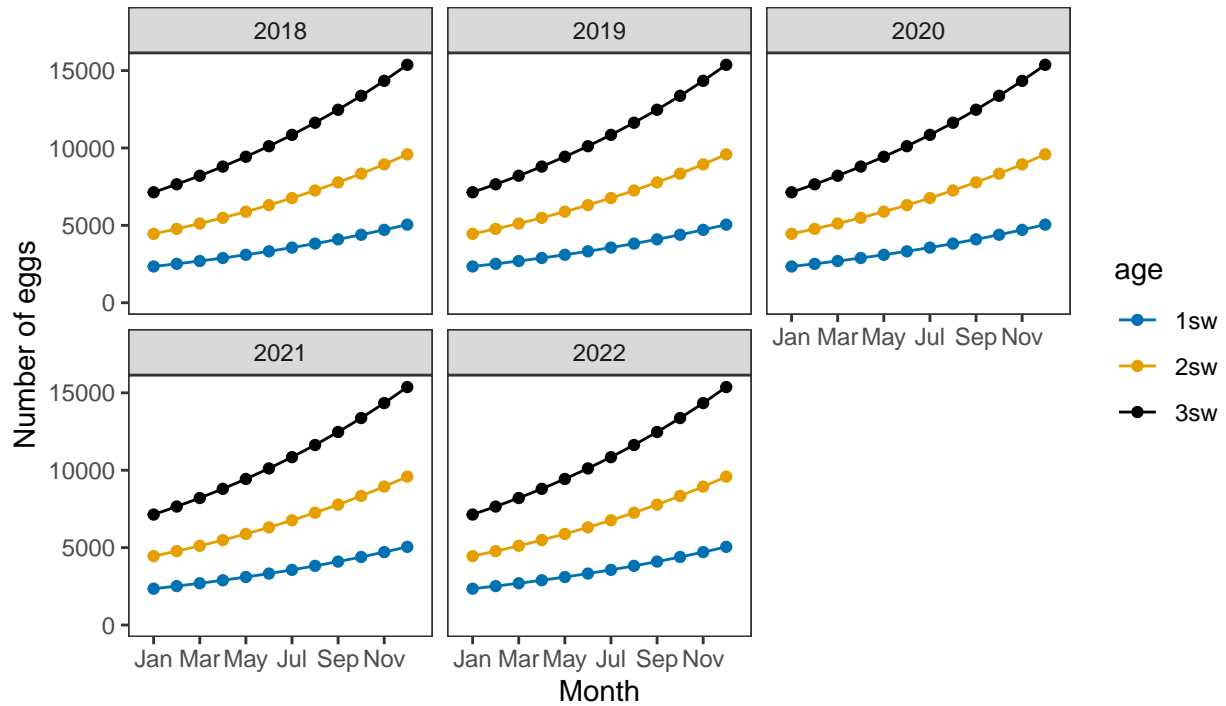


*Monthly number of spawning females*

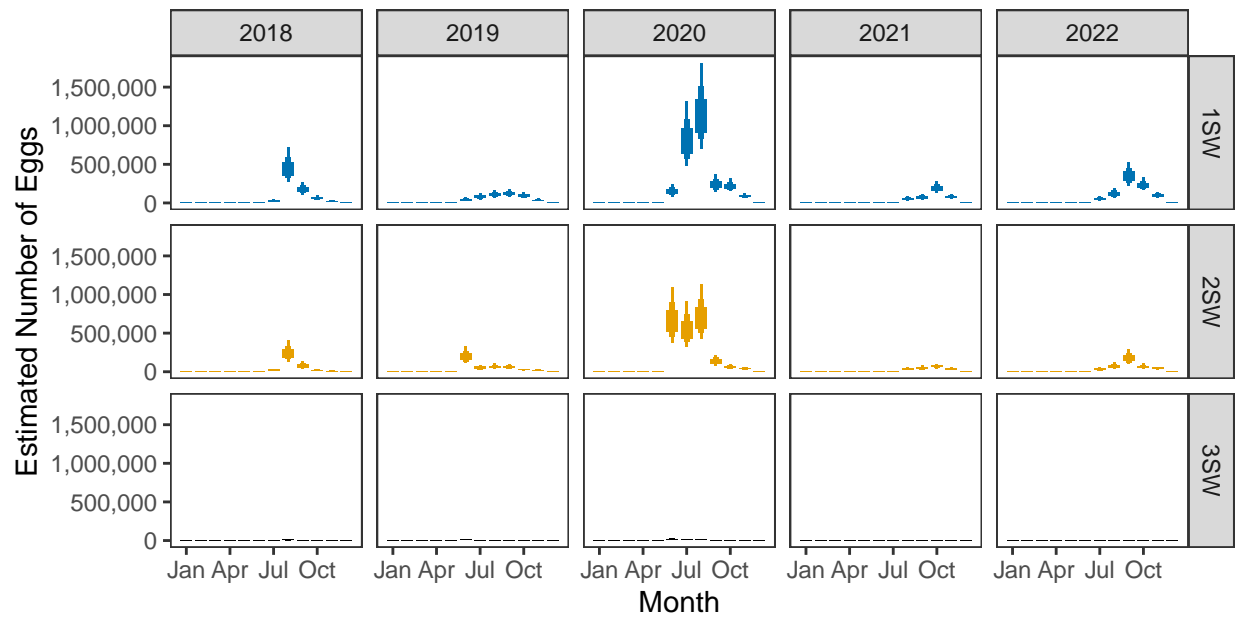


**3. Converting Number of Spawners to Number of Eggs**

*Egg contents of females*

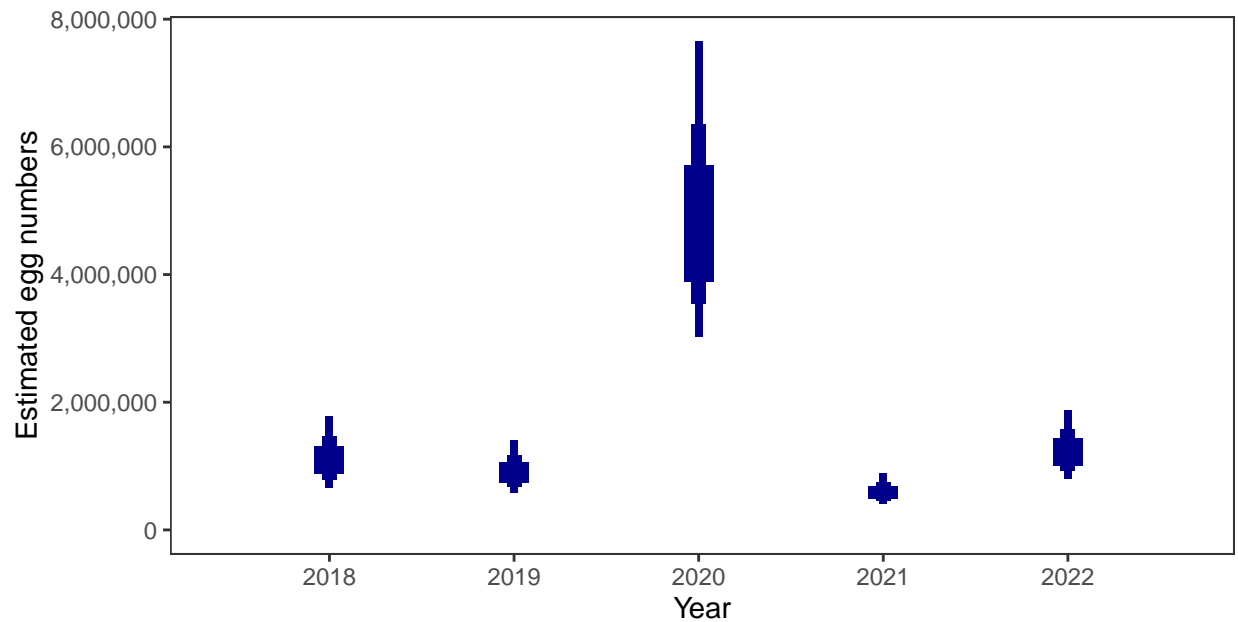


*Monthly number of eggs*



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).

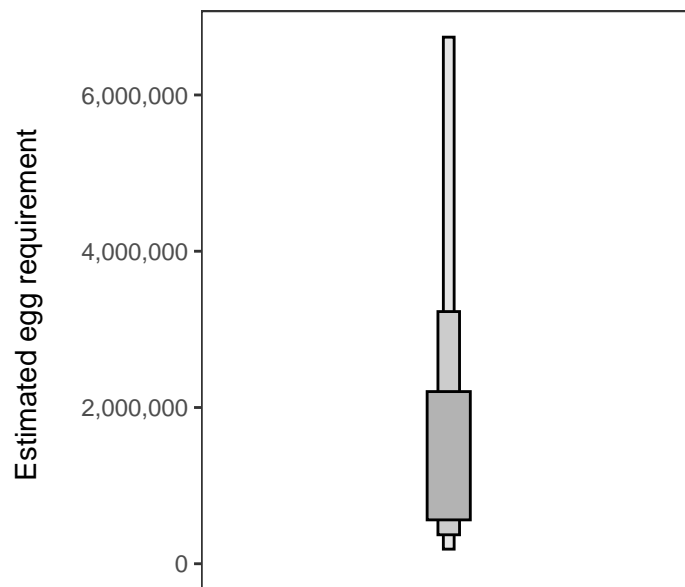
Year	Percentage above
2018	48.35
2019	41.37
2020	90.94
2021	26.99
2022	53.14

#### 4. Egg requirement

##### *Areas of salmon habitat in square meters*

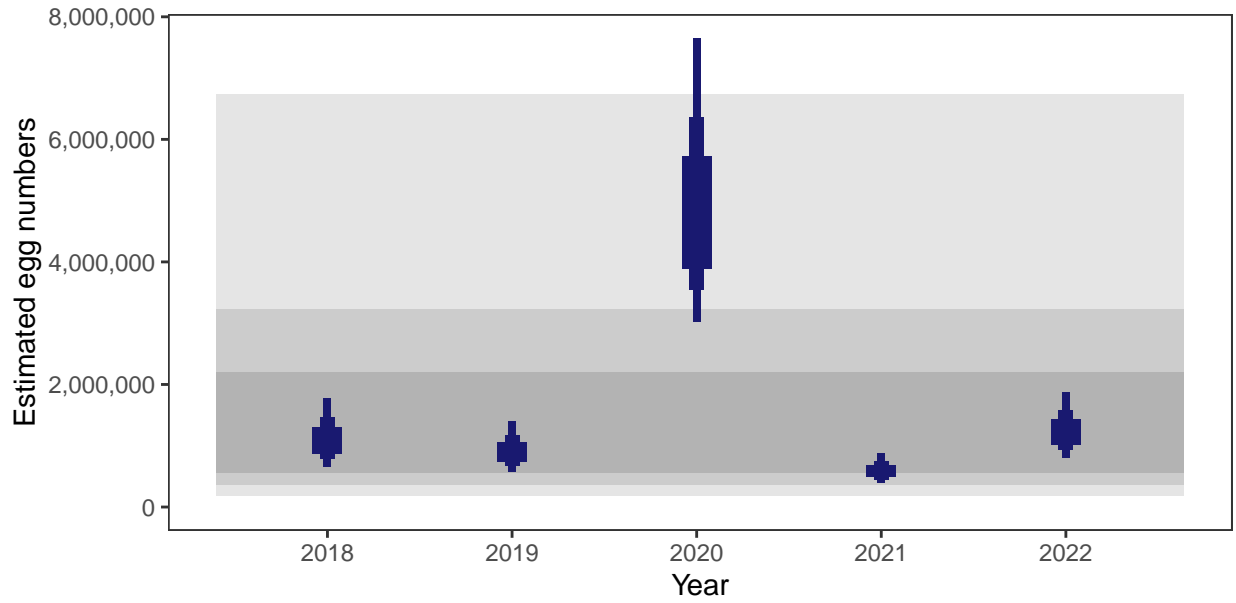
There is an estimated 588,902 square meters of known salmon habitat in the Water of Luce and a further 38,145 square meters where salmon may be present.

##### *Egg requirement*



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

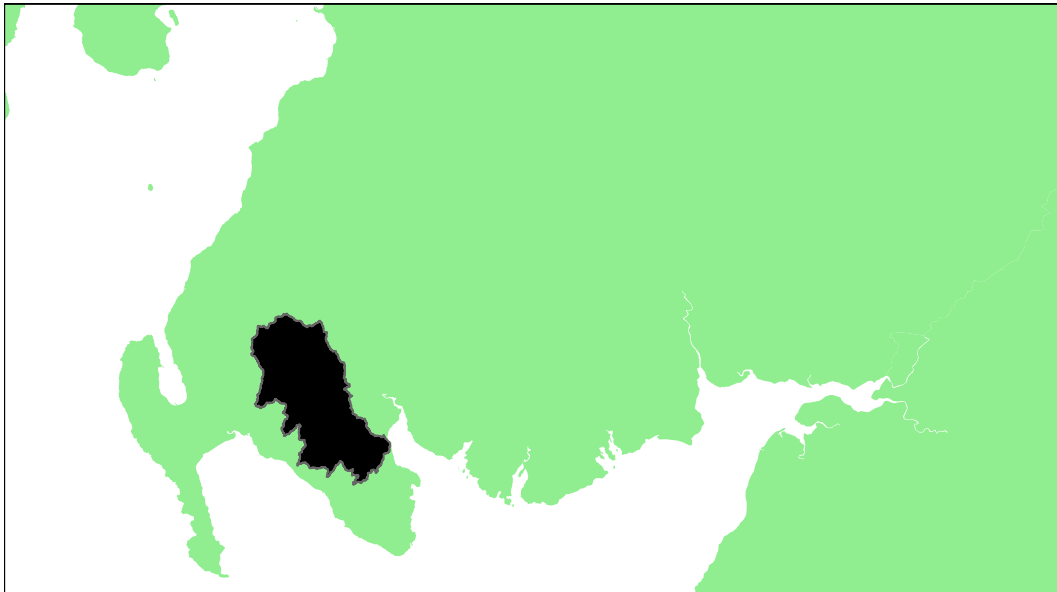
### 5. Percentage chance that the egg requirement has been reached



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



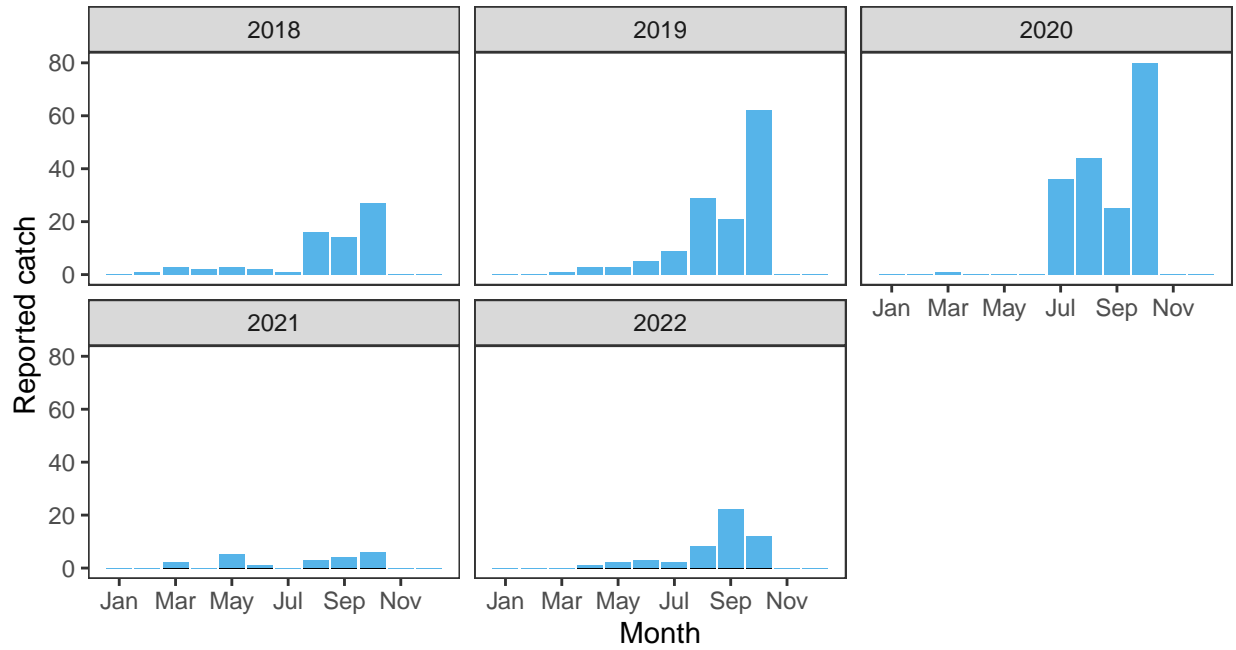
### *Summary Table*

Eggs required (m <sup>2</sup> ) <sup>a</sup>	Area (m <sup>2</sup> ) <sup>a</sup>	Total egg requirement <sup>a</sup>	Percentage chance meeting requirement					Overall	Grade
			2018	2019	2020	2021	2022		
1.64	780,000	1,277,000	44.9	63.8	72.82	24.42	31.47	0.47482	3

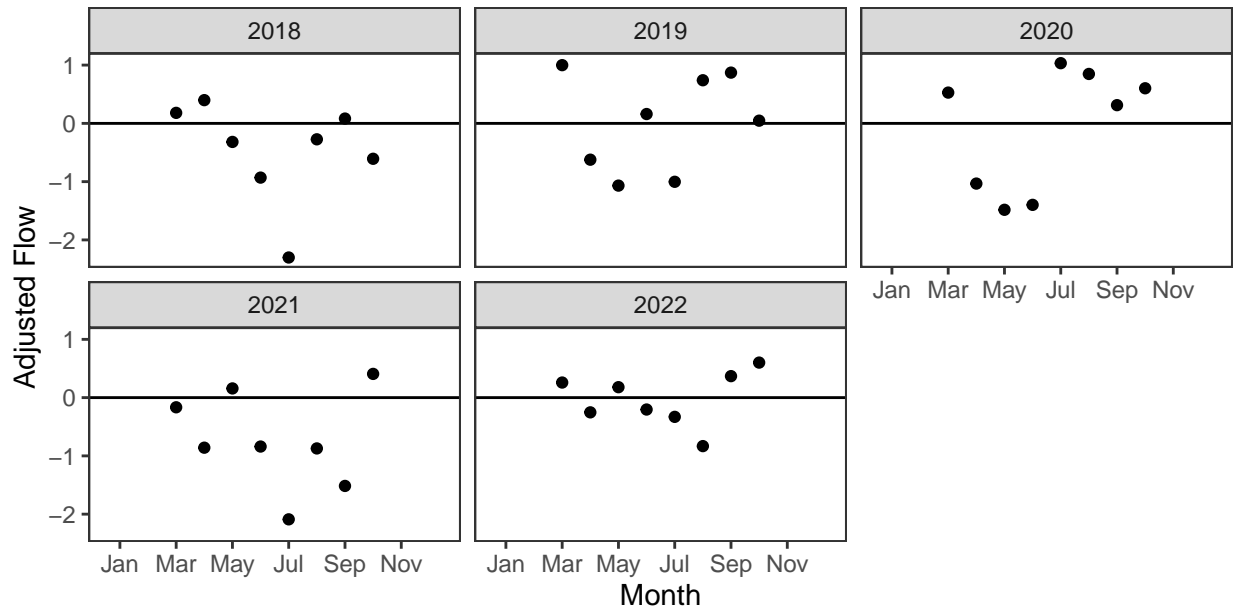
<sup>a</sup> Figures presented are median values

# 1. Converting Reported Catches to Numbers of Returning Salmon

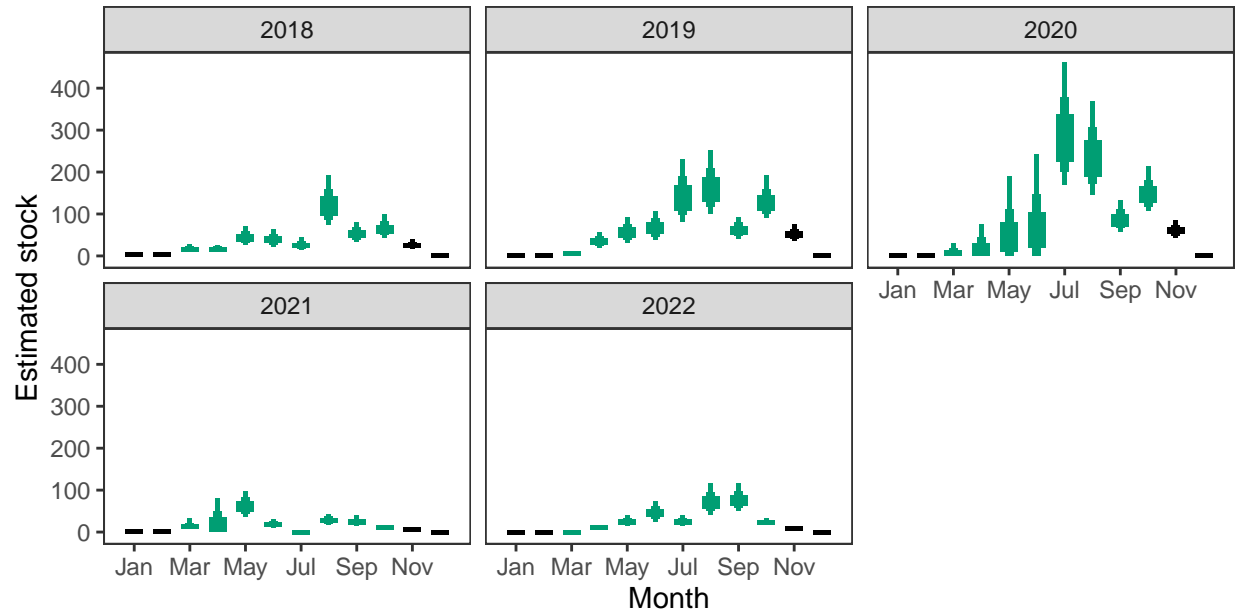
*Reported Catches (black = retained, blue = released)*



*Monthly flow data*

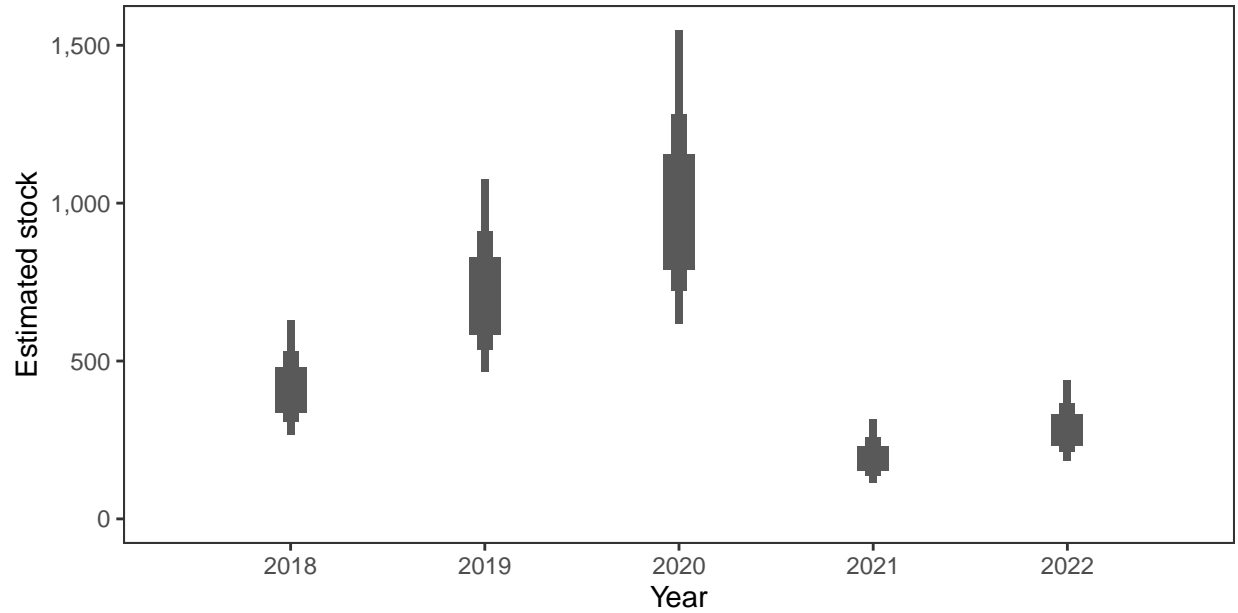


*Monthly stock estimates (out of season in black)*



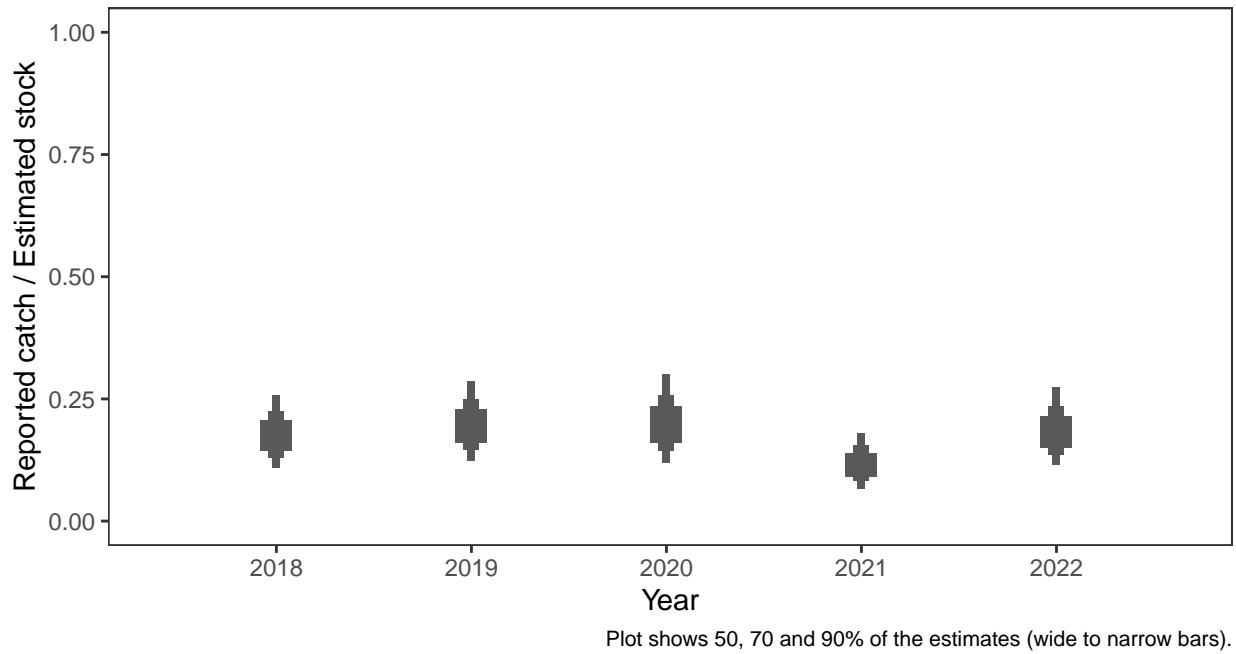
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual estimated stock*



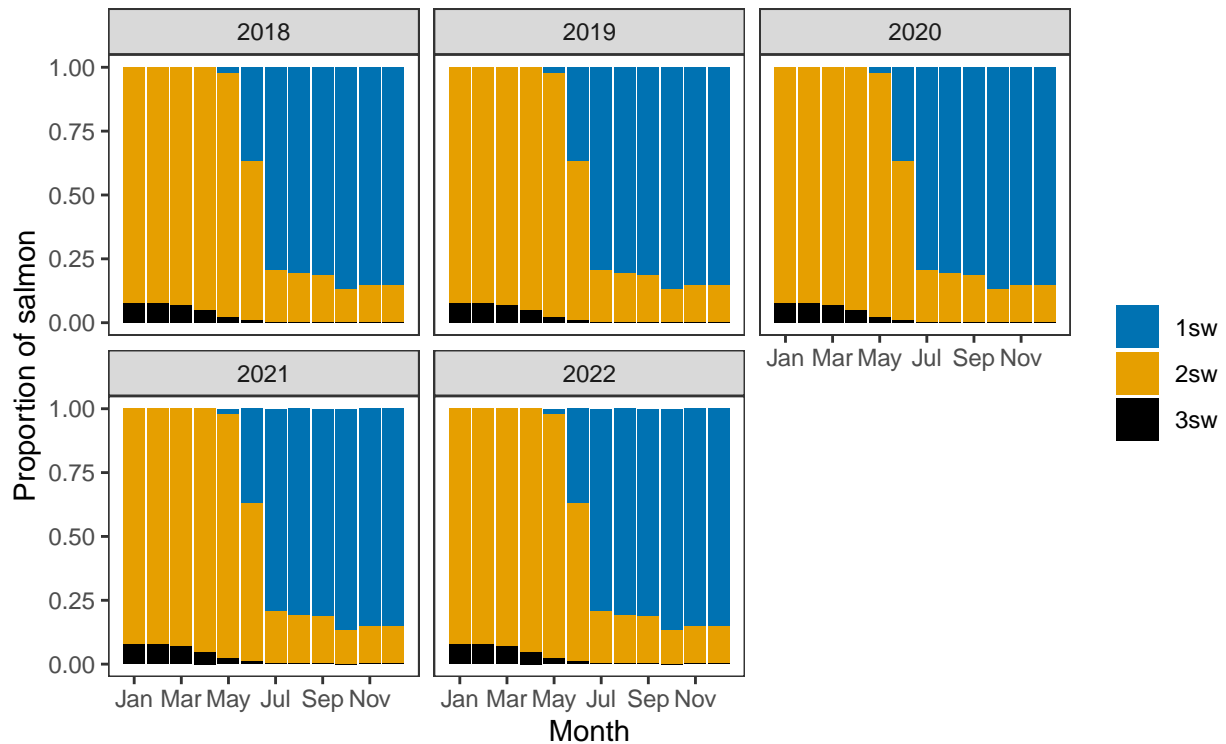
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual catch as a proportion of stock*

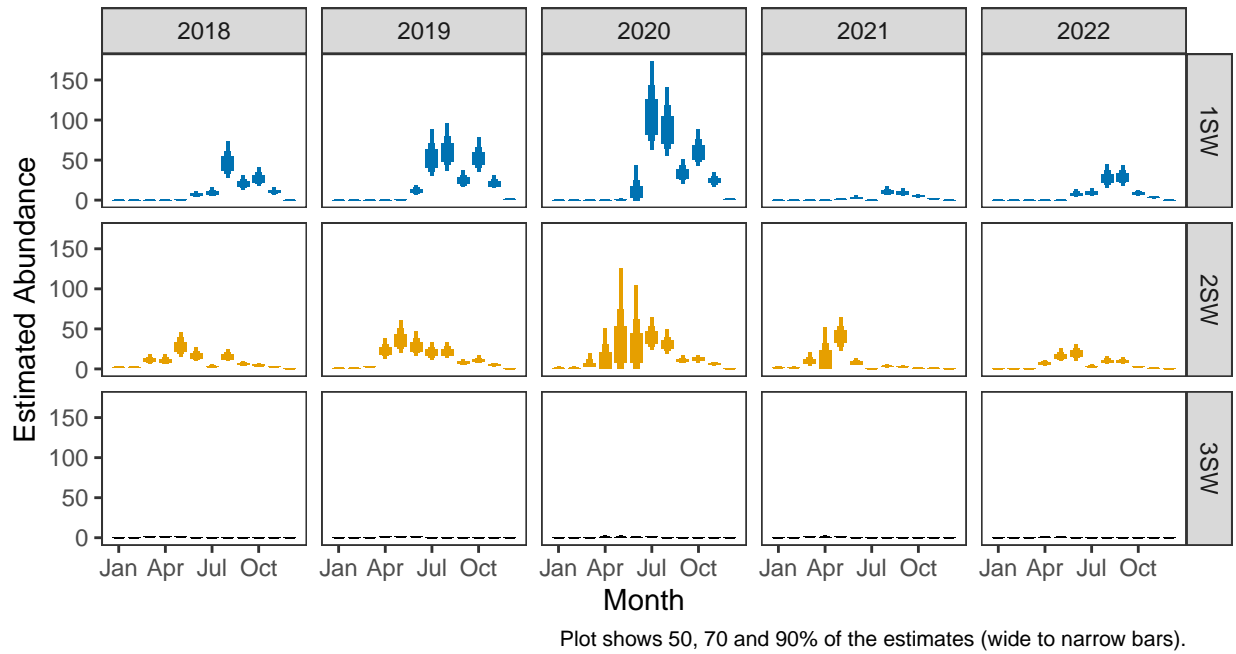


**2. Converting Numbers of Returning Salmon to Numbers of Spawning Females**

*Ages of fish*

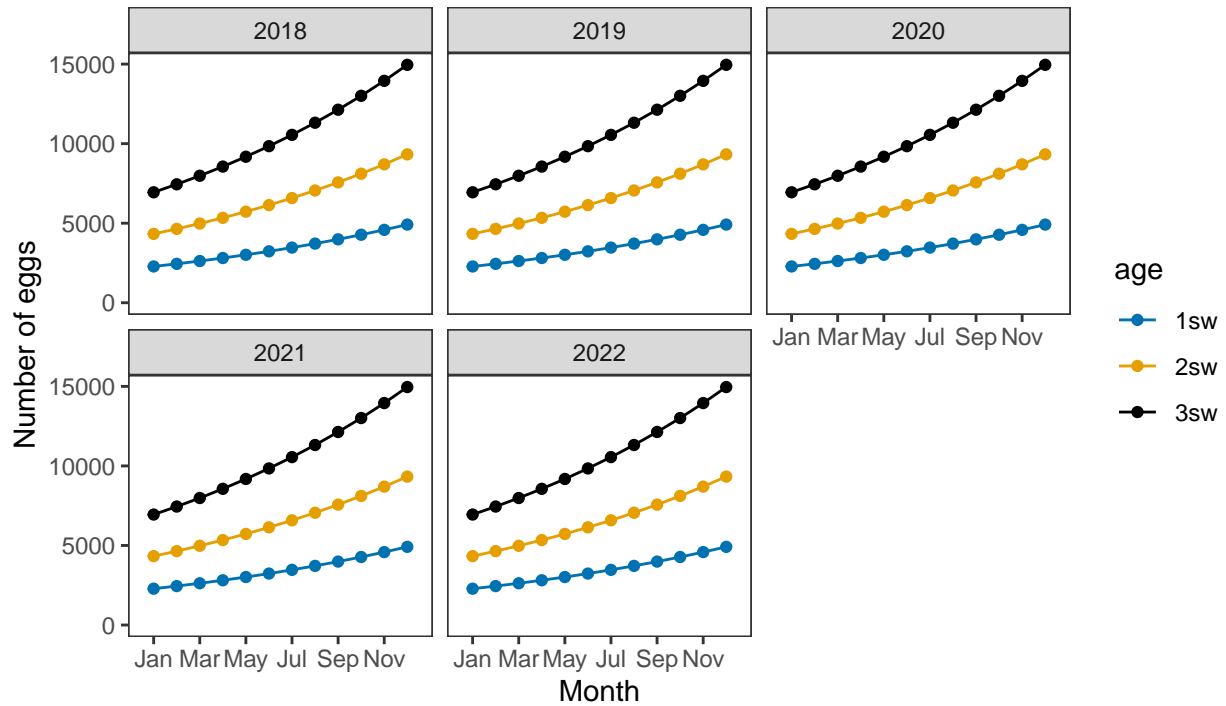


*Monthly number of spawning females*

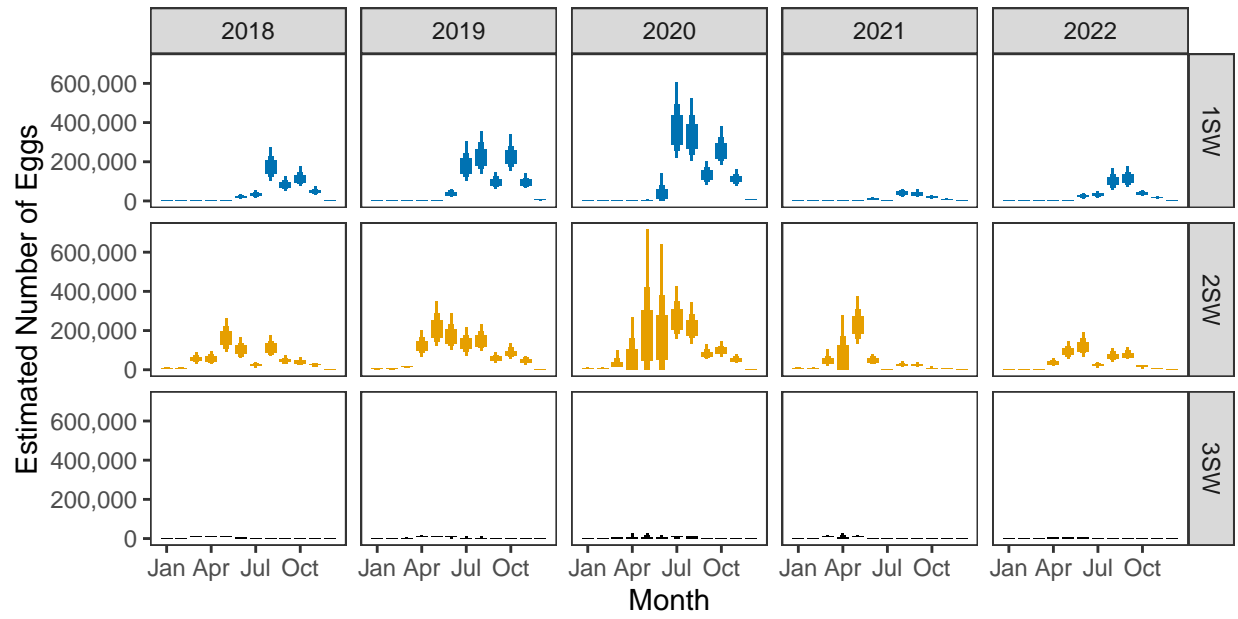


**3. Converting Number of Spawners to Number of Eggs**

*Egg contents of females*

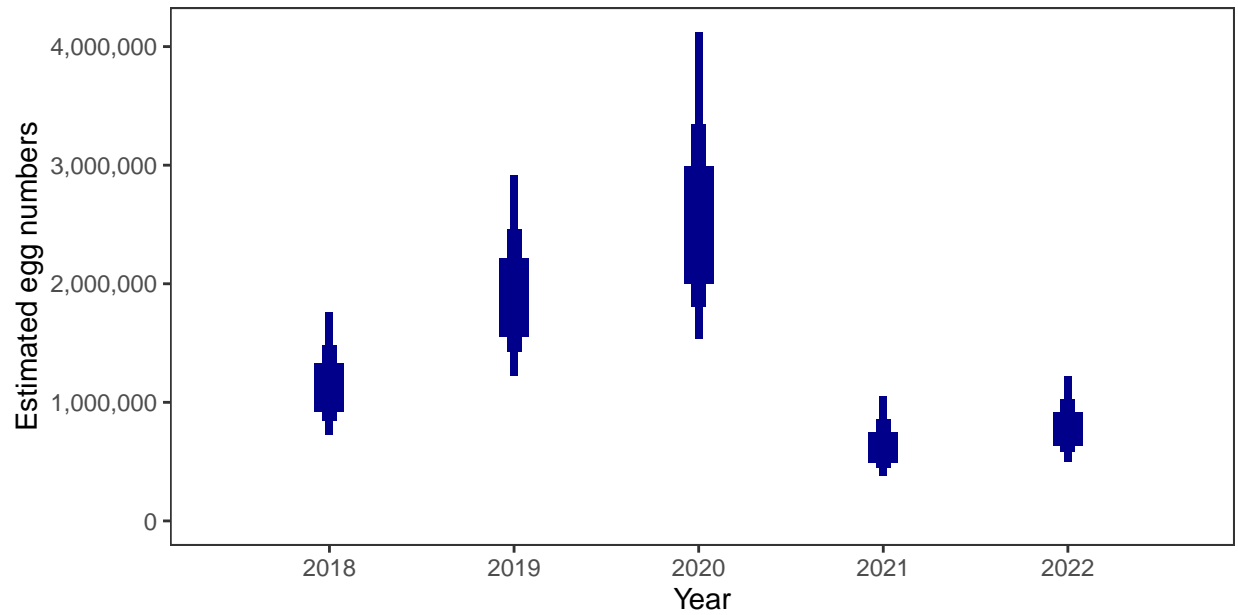


*Monthly number of eggs*



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).

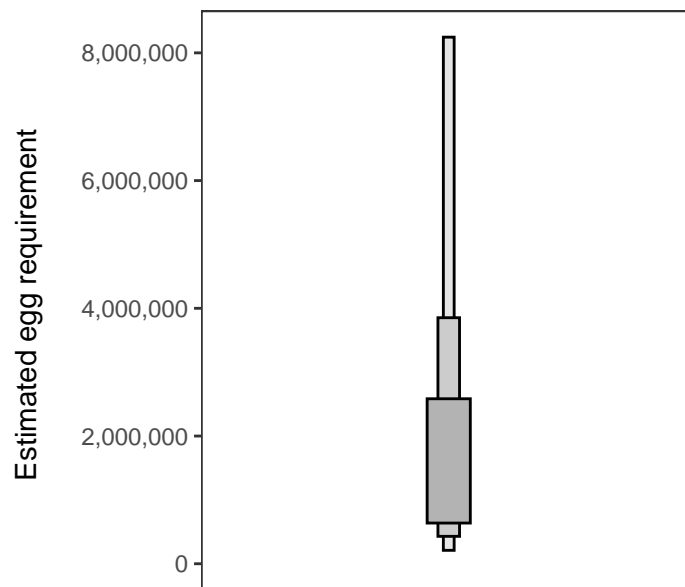
Year	Percentage above
2018	44.90
2019	63.80
2020	72.82
2021	24.42
2022	31.47

#### 4. Egg requirement

##### *Areas of salmon habitat in square meters*

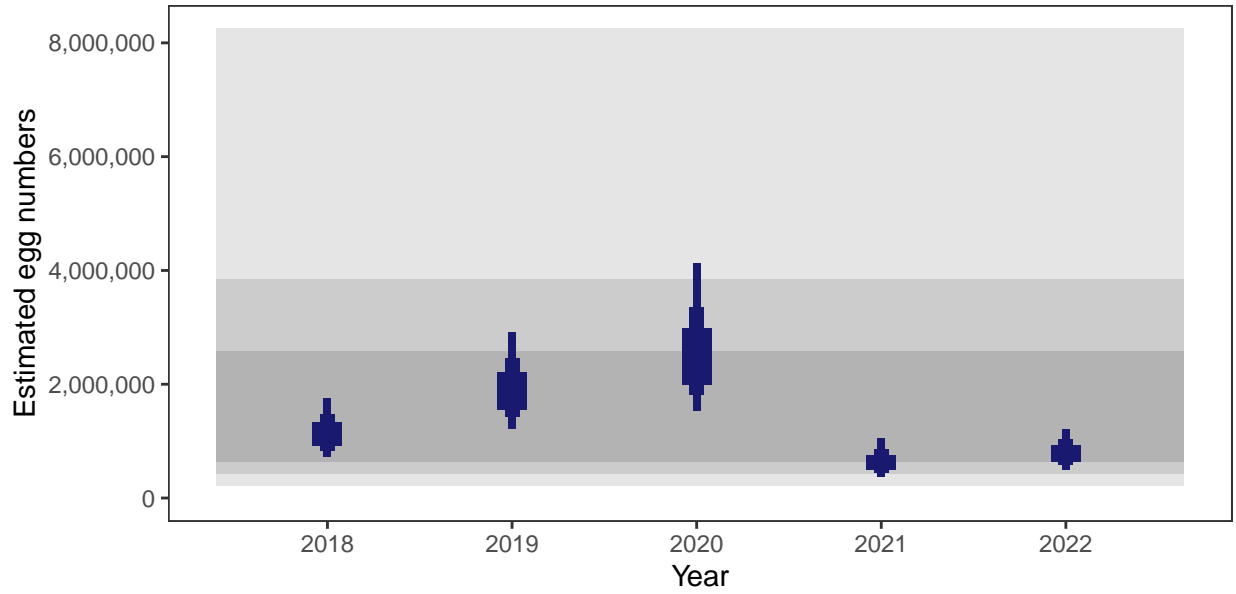
There is an estimated 797,354 square meters of known salmon habitat in the River Bladnoch SAC and a further 179,359 square meters where salmon may be present.

##### *Egg requirement*



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

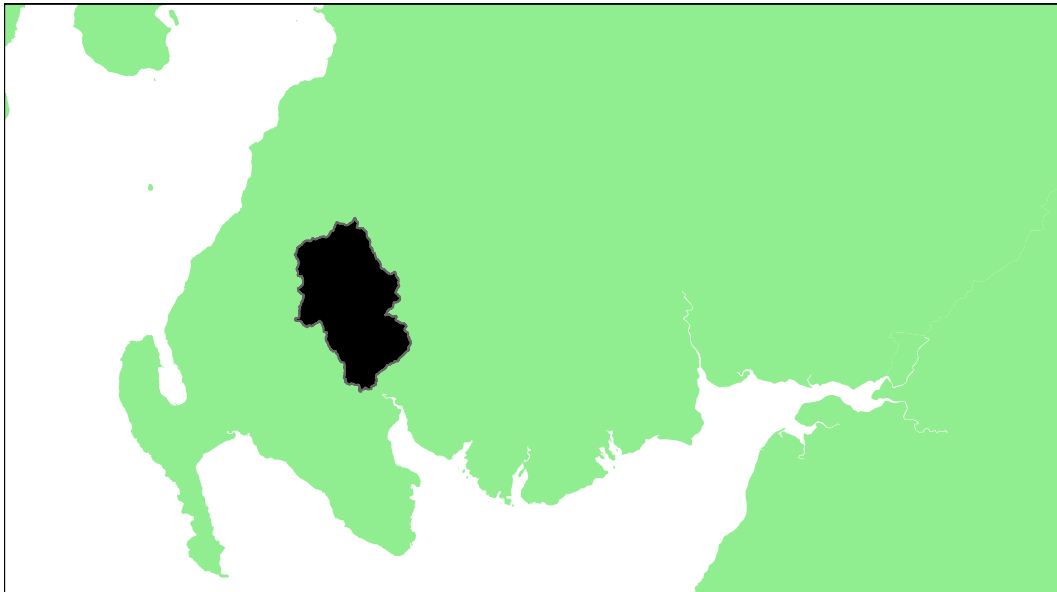
### 5. Percentage chance that the egg requirement has been reached



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



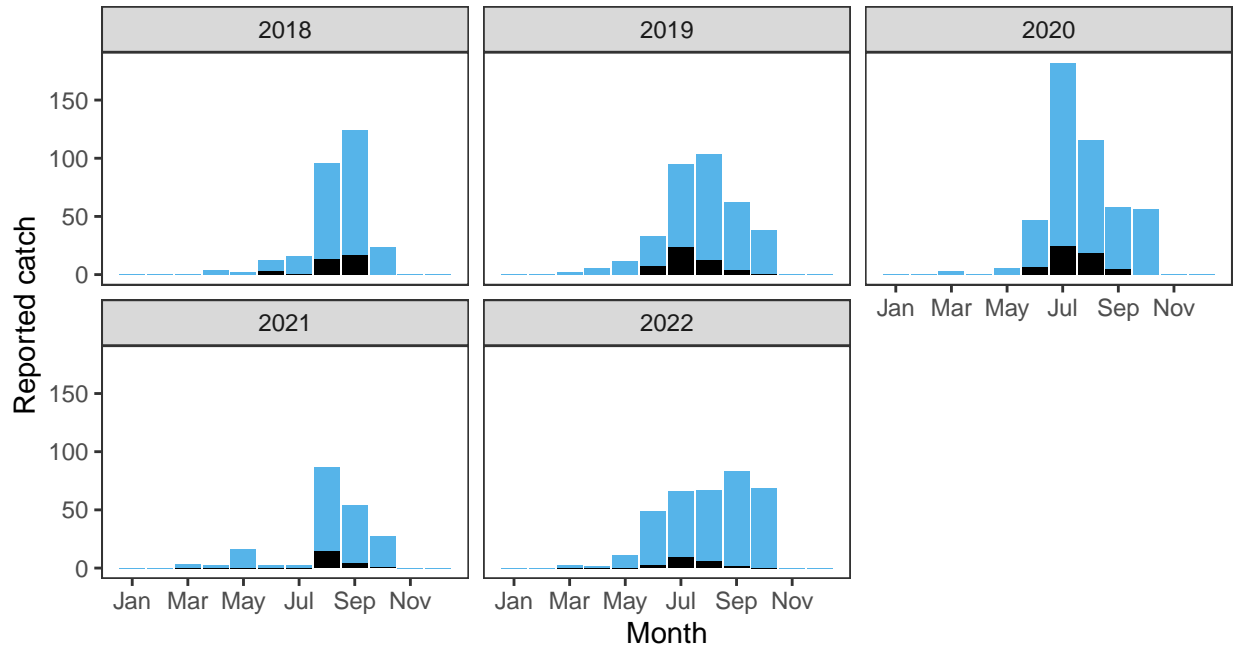
### *Summary Table*

Eggs required (m <sup>2</sup> ) <sup>a</sup>	Area (m <sup>2</sup> ) <sup>a</sup>	Total egg requirement <sup>a</sup>	Percentage chance meeting requirement					Overall	Grade
			2018	2019	2020	2021	2022		
2.05	1,047,000	2,144,000	83.24	87.52	91.66	77.92	87.55	0.85578	1

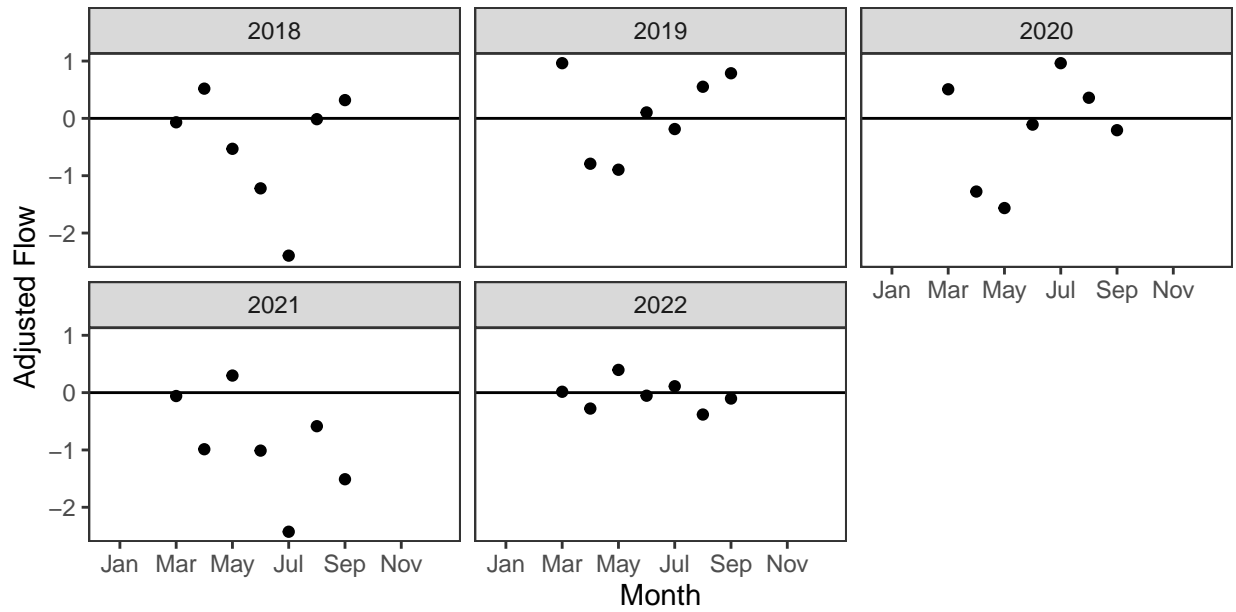
<sup>a</sup> Figures presented are median values

# 1. Converting Reported Catches to Numbers of Returning Salmon

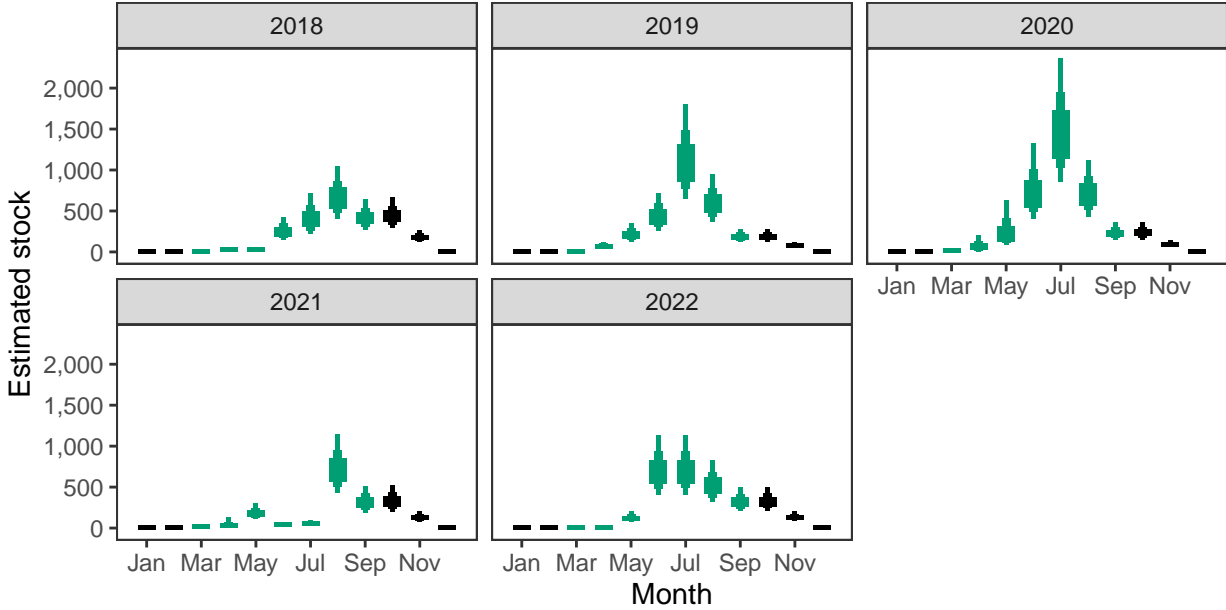
*Reported Catches (black = retained, blue = released)*



*Monthly flow data*

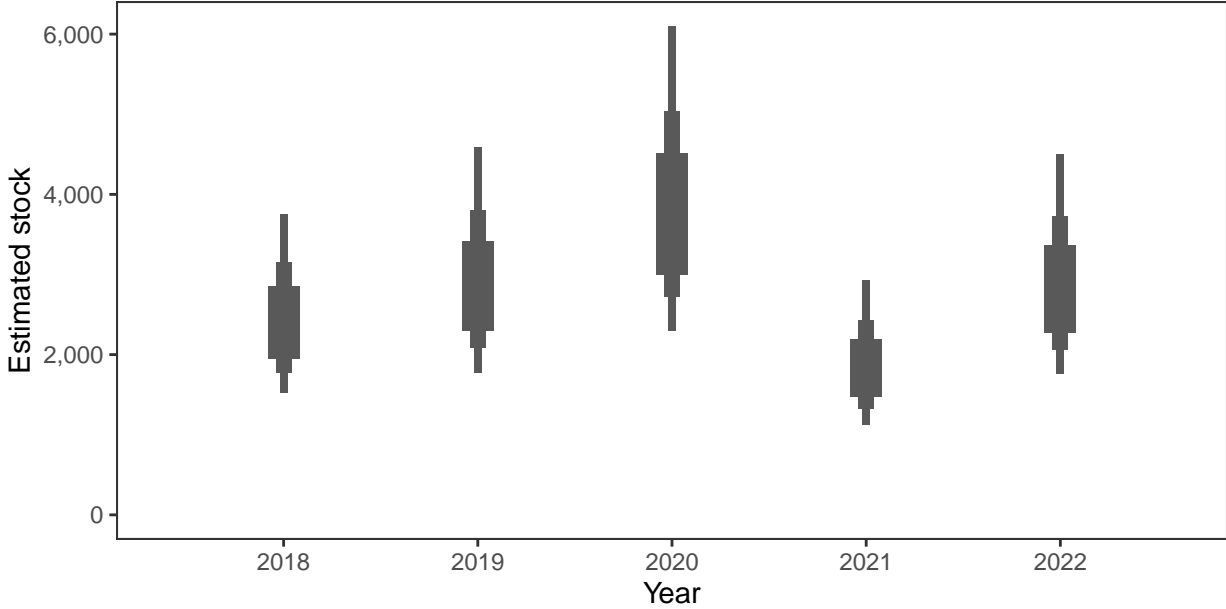


*Monthly stock estimates (out of season in black)*



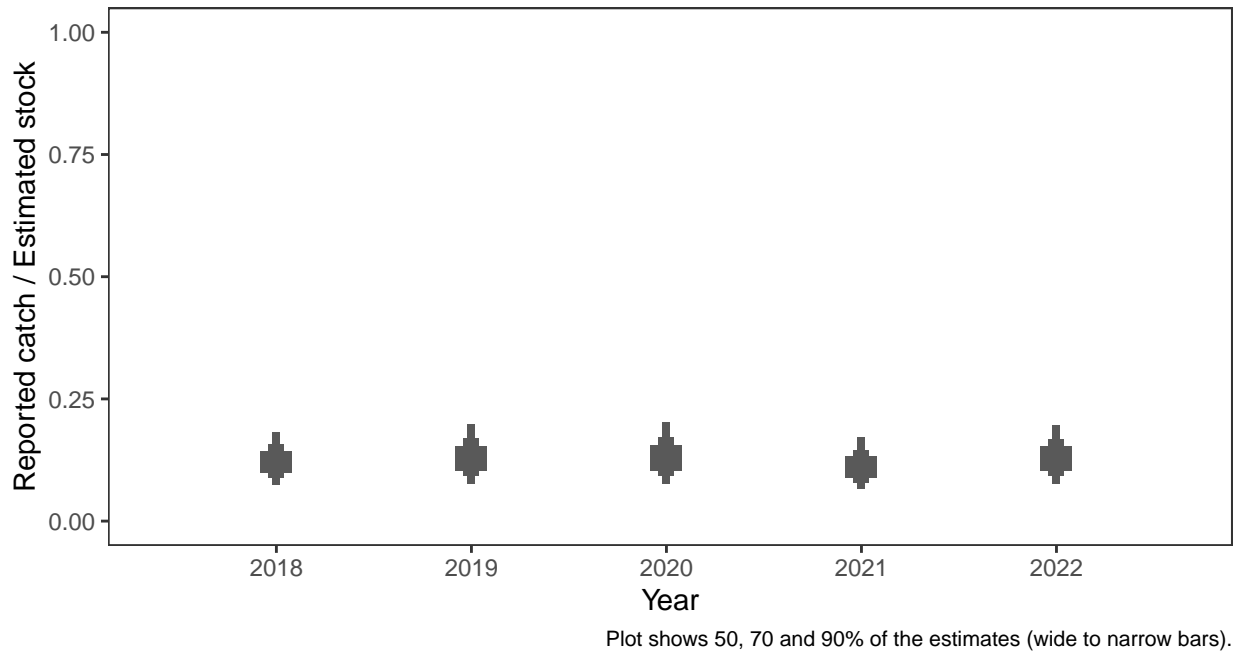
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual estimated stock*



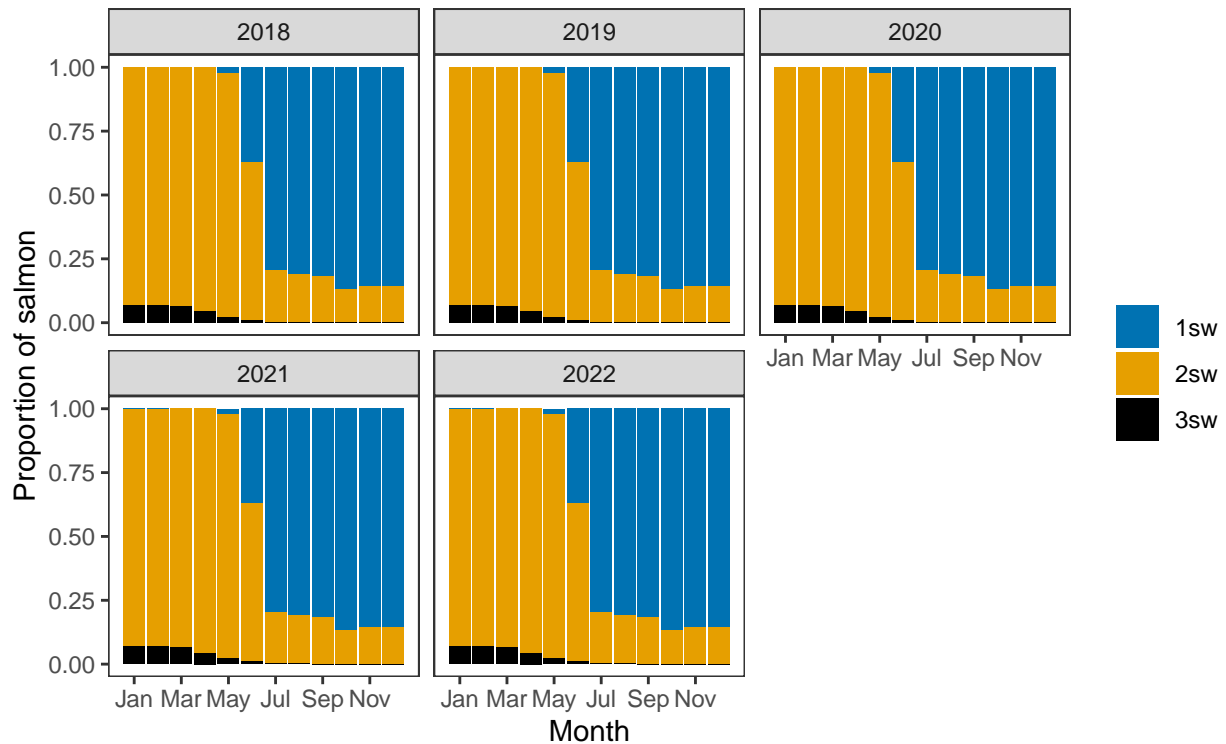
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual catch as a proportion of stock*

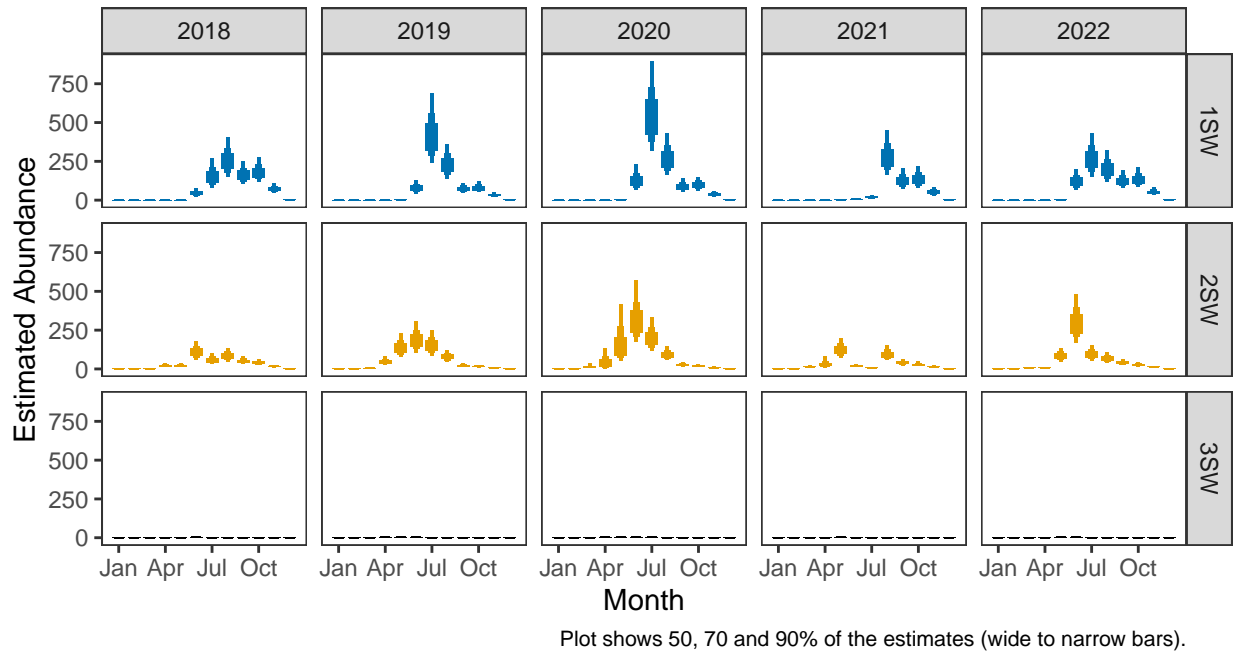


**2. Converting Numbers of Returning Salmon to Numbers of Spawning Females**

*Ages of fish*



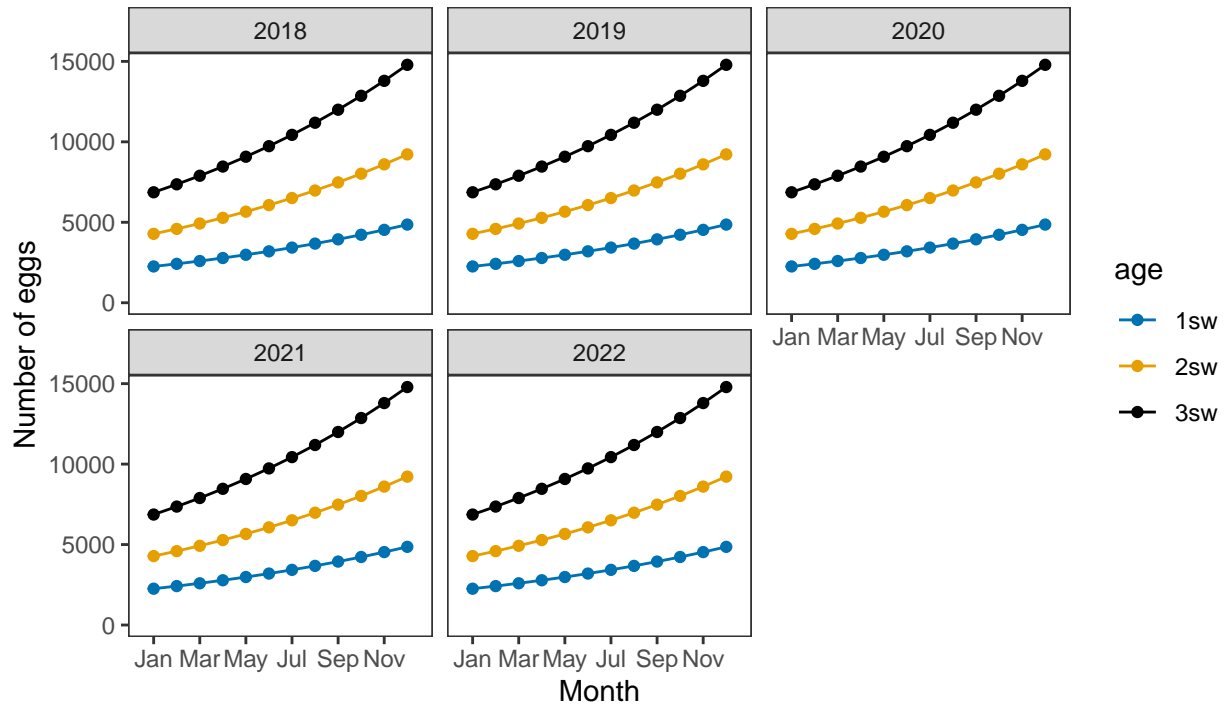
*Monthly number of spawning females*



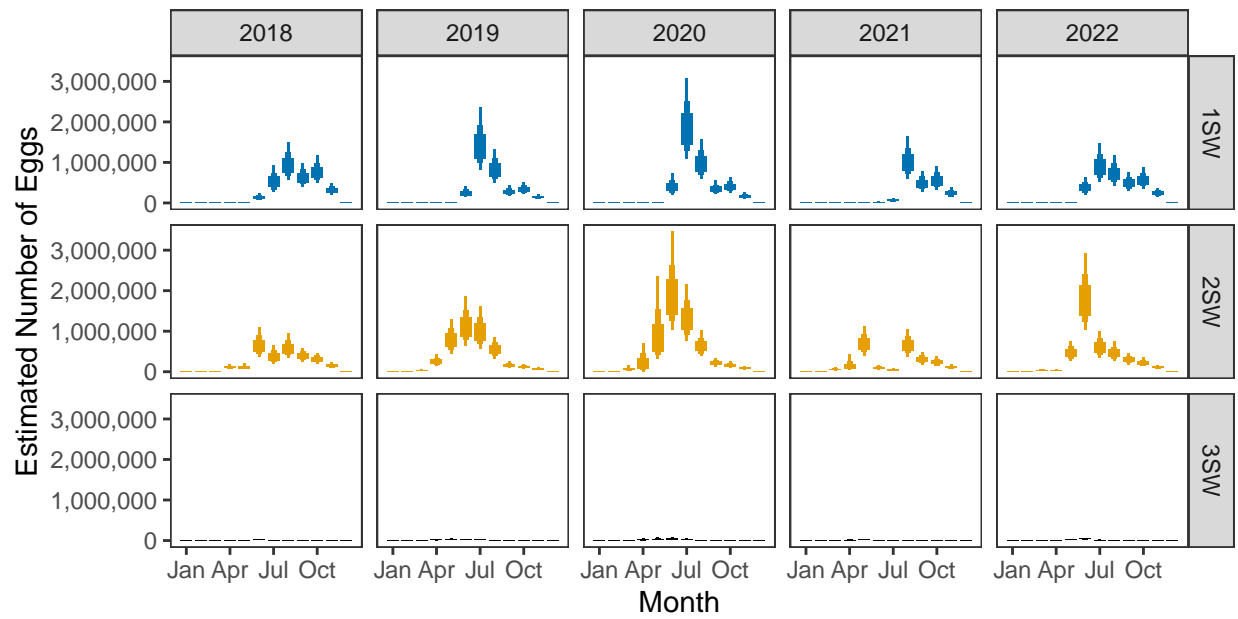
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

**3. Converting Number of Spawners to Number of Eggs**

*Egg contents of females*

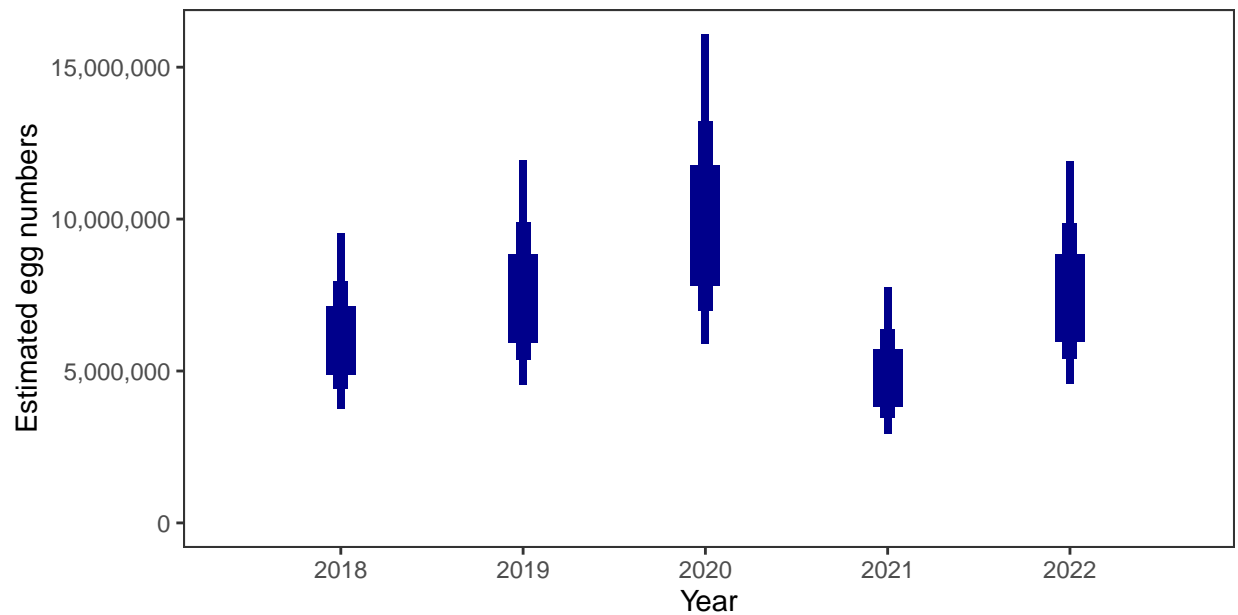


*Monthly number of eggs*



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).

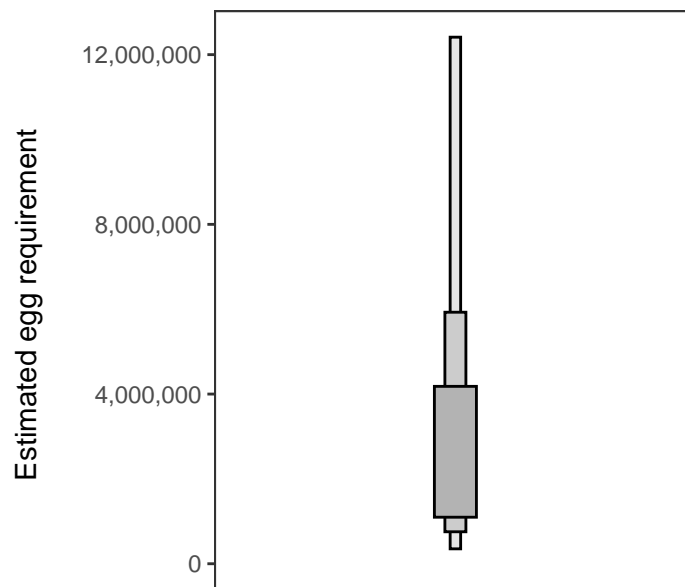
Year	Percentage above
2018	83.24
2019	87.52
2020	91.66
2021	77.92
2022	87.55

#### 4. Egg requirement

##### *Areas of salmon habitat in square meters*

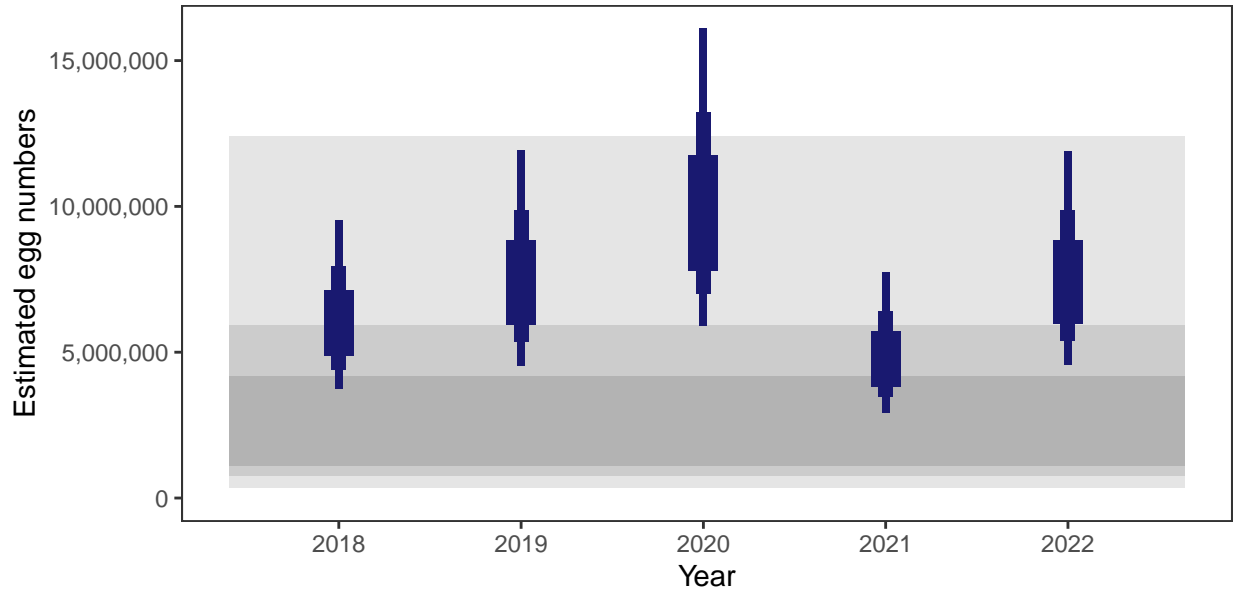
There is an estimated 1,128,969 square meters of known salmon habitat in the River Cree and a further 122,953 square meters where salmon may be present.

##### *Egg requirement*



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

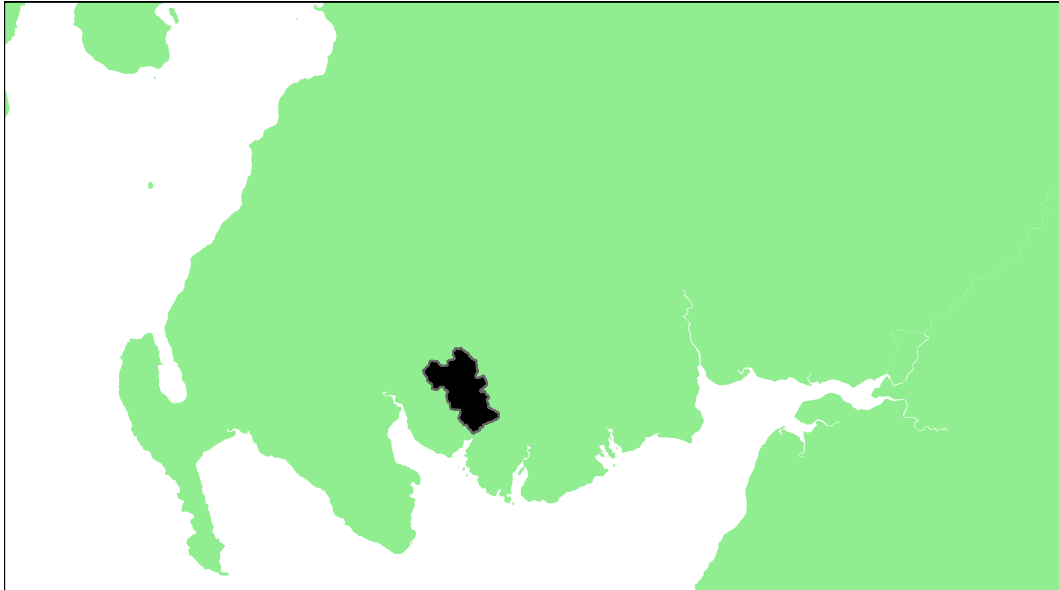
### 5. Percentage chance that the egg requirement has been reached



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



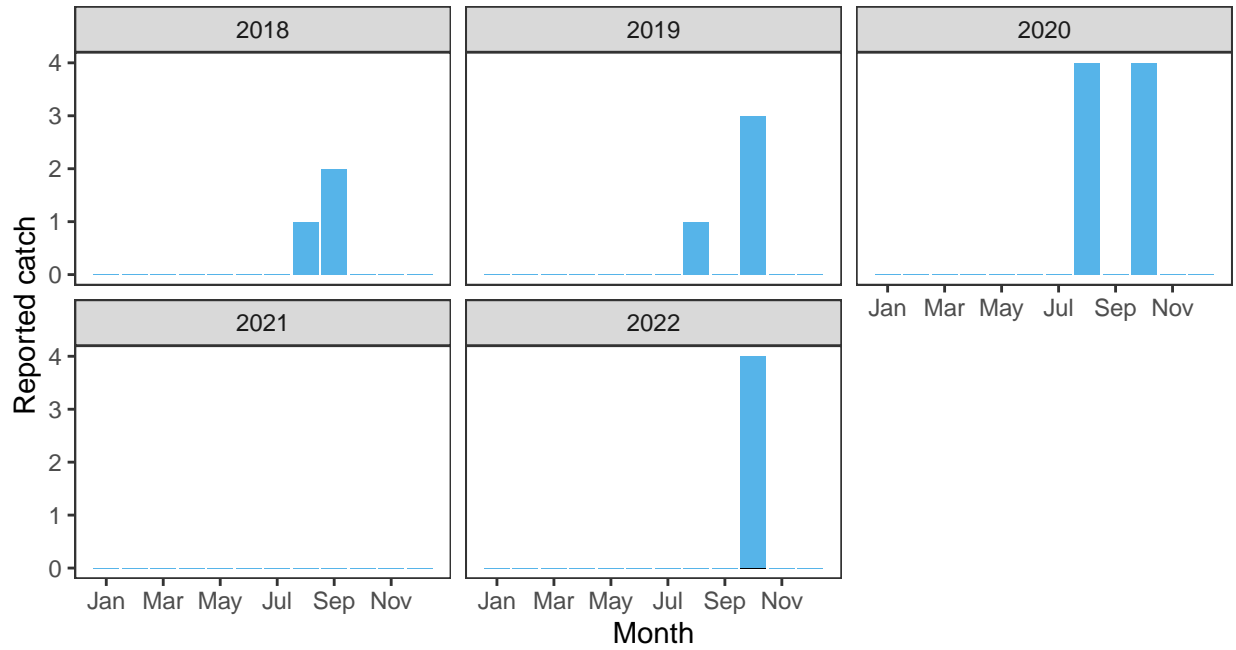
### *Summary Table*

Eggs required (m <sup>2</sup> ) <sup>a</sup>	Area (m <sup>2</sup> ) <sup>a</sup>	Total egg requirement <sup>a</sup>	Percentage chance meeting requirement					Overall	Grade
			2018	2019	2020	2021	2022		
1.42	157,000	222,000	5.68	8.02	35.58	0.91	5.22	0.11082	3

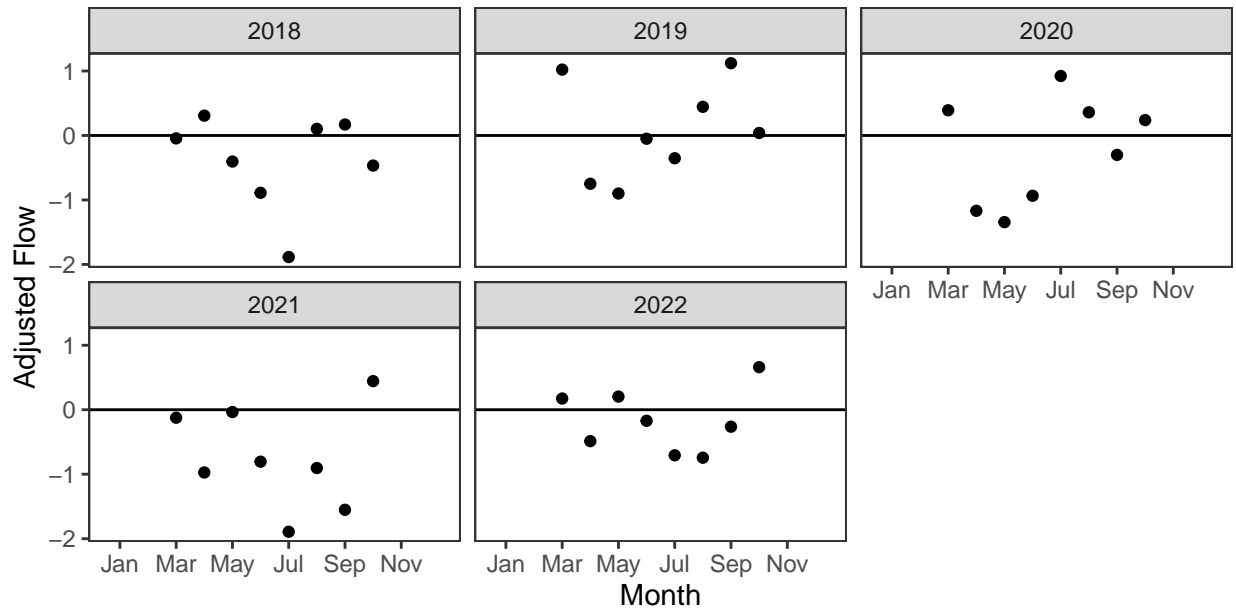
<sup>a</sup> Figures presented are median values

# 1. Converting Reported Catches to Numbers of Returning Salmon

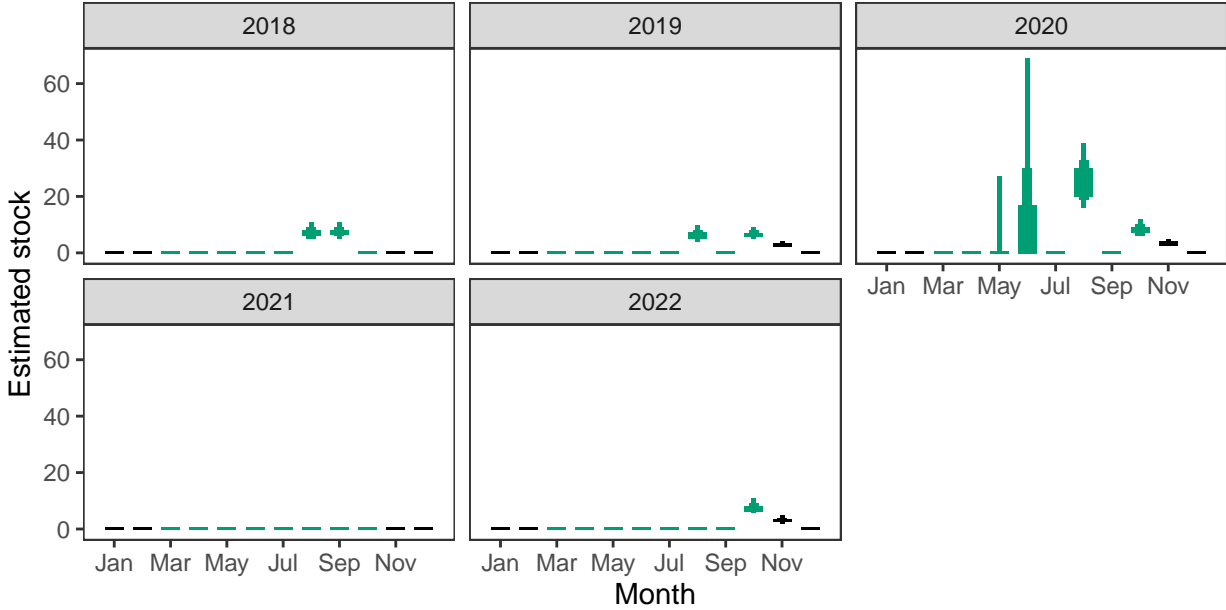
*Reported Catches (black = retained, blue = released)*



*Monthly flow data*

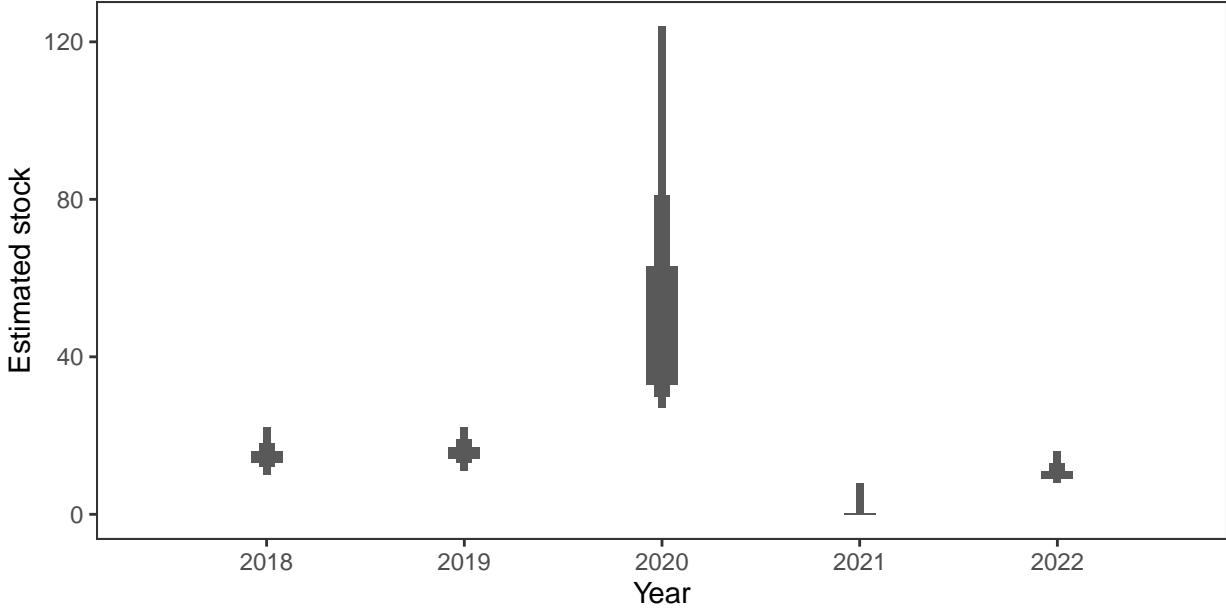


*Monthly stock estimates (out of season in black)*



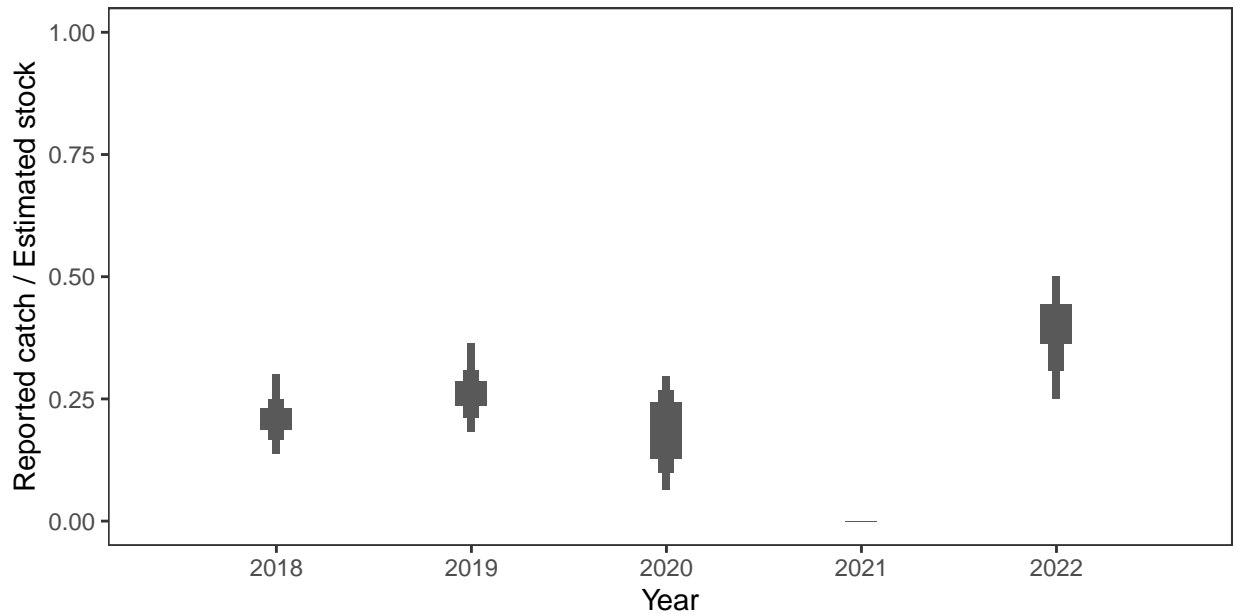
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual estimated stock*



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

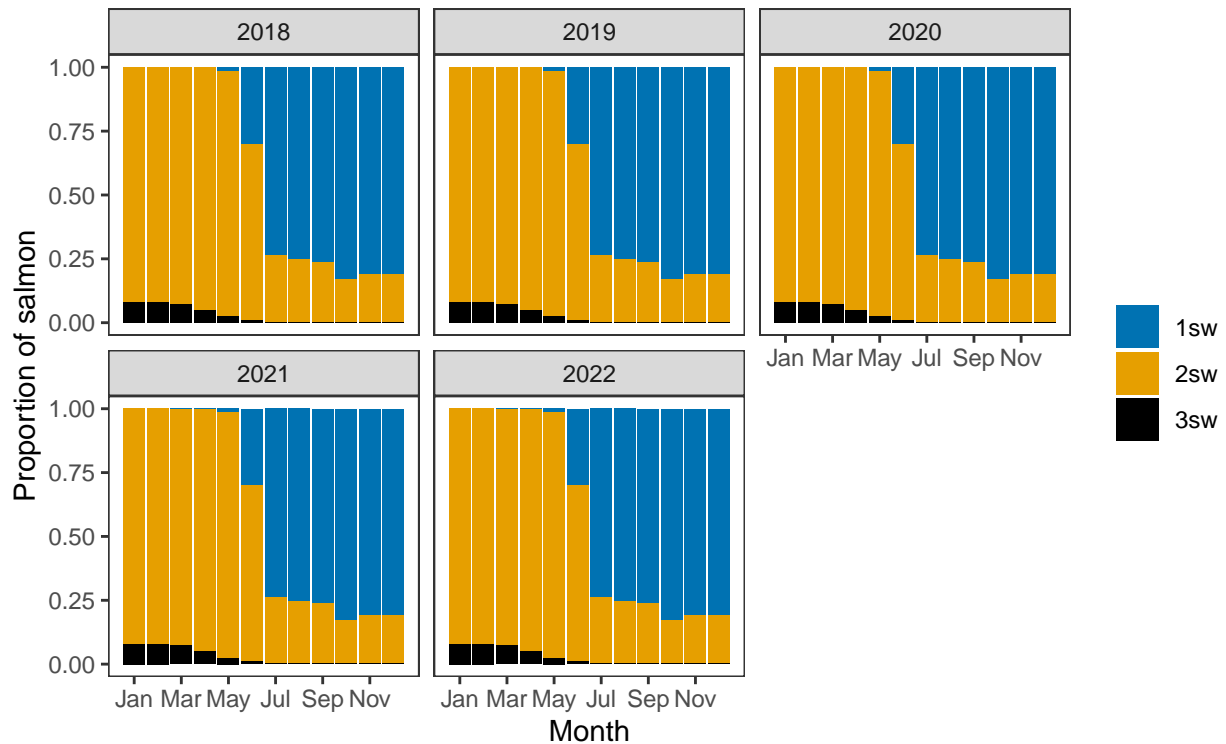
*Annual catch as a proportion of stock*



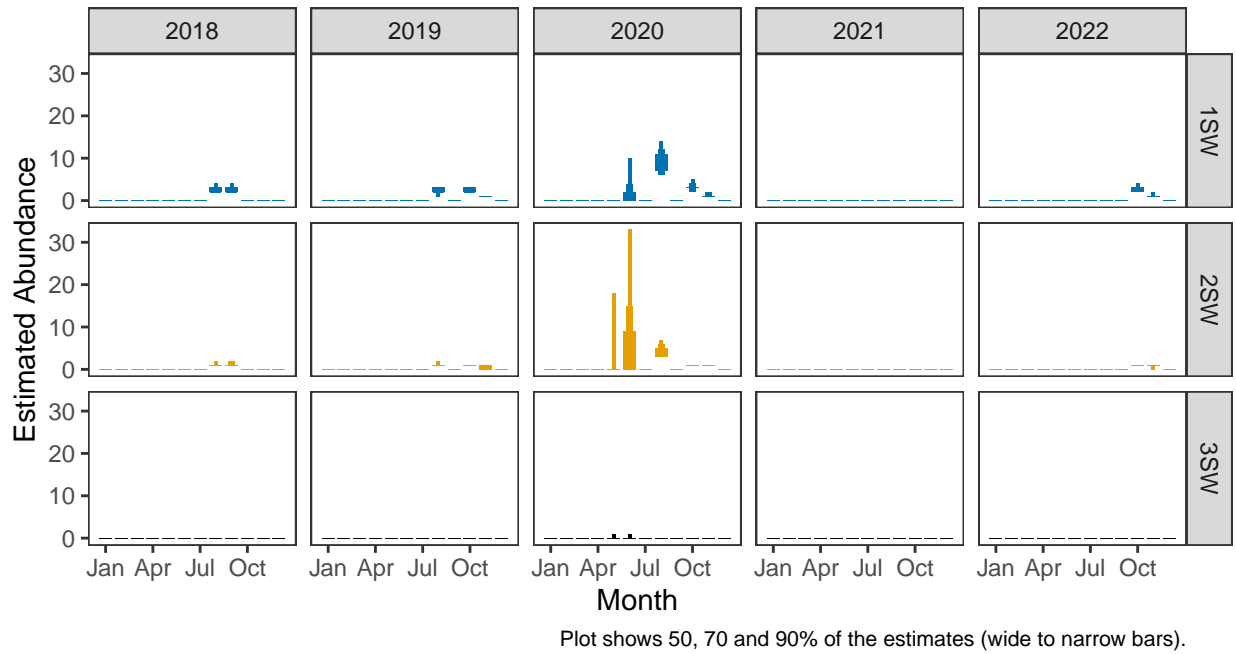
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

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

*Ages of fish*

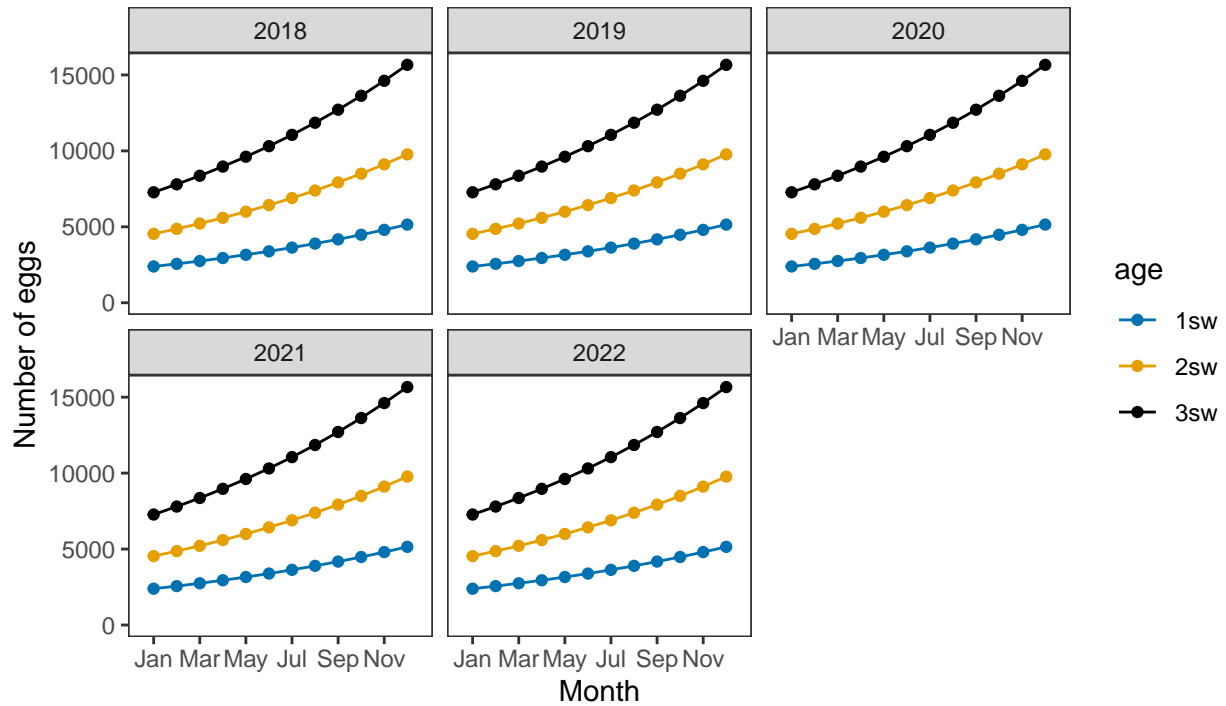


*Monthly number of spawning females*

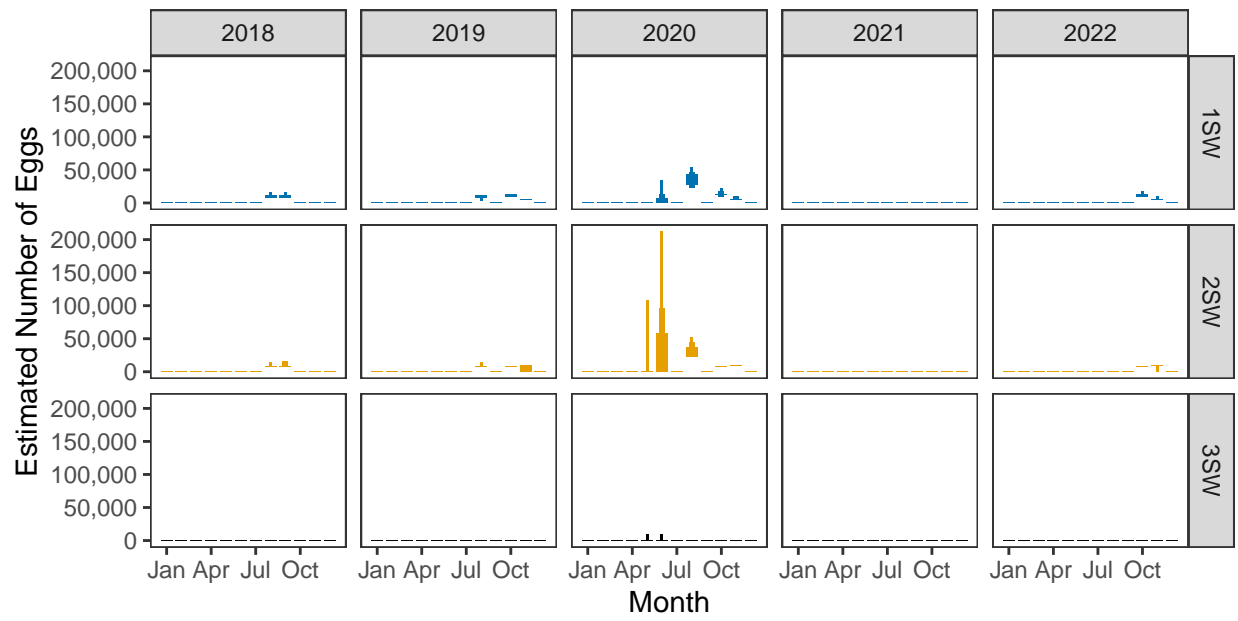


**3. Converting Number of Spawners to Number of Eggs**

*Egg contents of females*

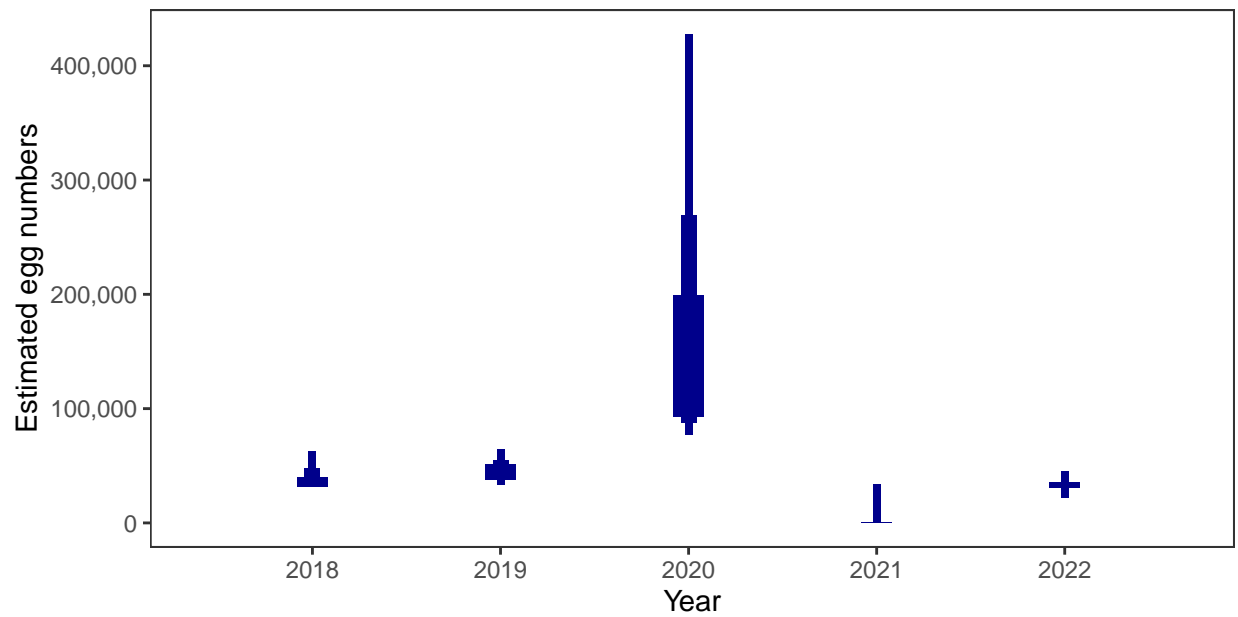


*Monthly number of eggs*



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).

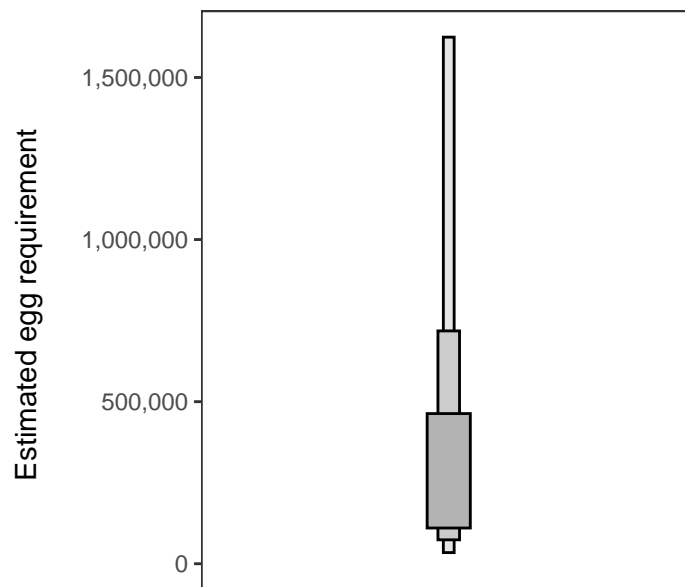
Year	Percentage above
2018	5.68
2019	8.02
2020	35.58
2021	0.91
2022	5.22

#### 4. Egg requirement

##### *Areas of salmon habitat in square meters*

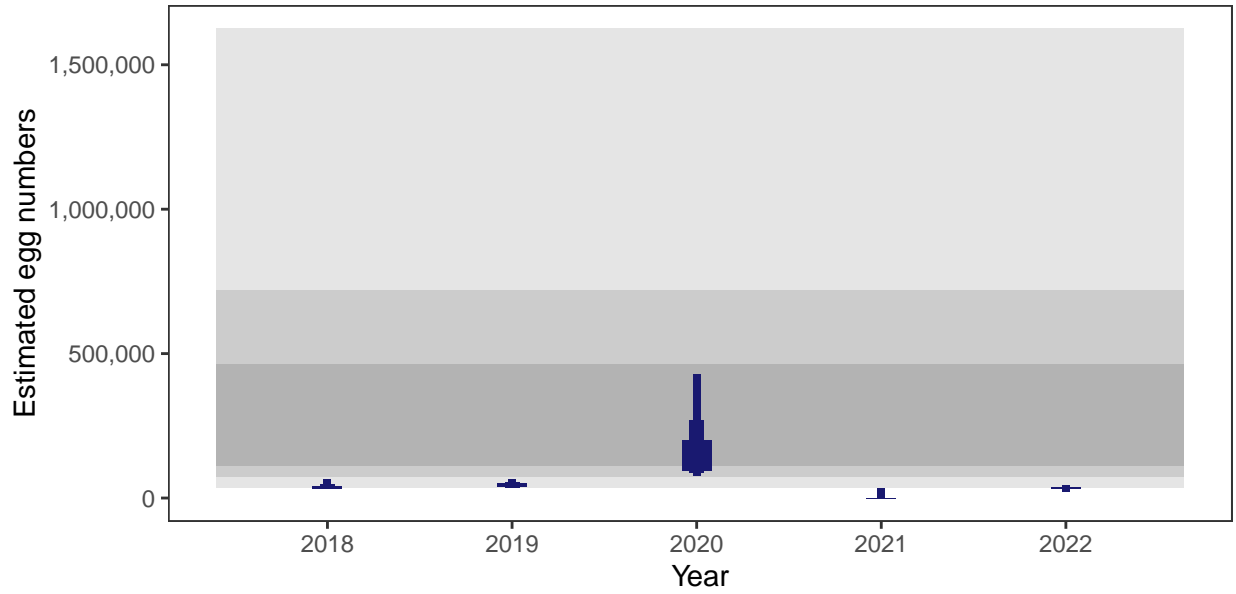
There is an estimated 146,909 square meters of known salmon habitat in the Water of Fleet and a further 63,941 square meters where salmon may be present.

##### *Egg requirement*



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

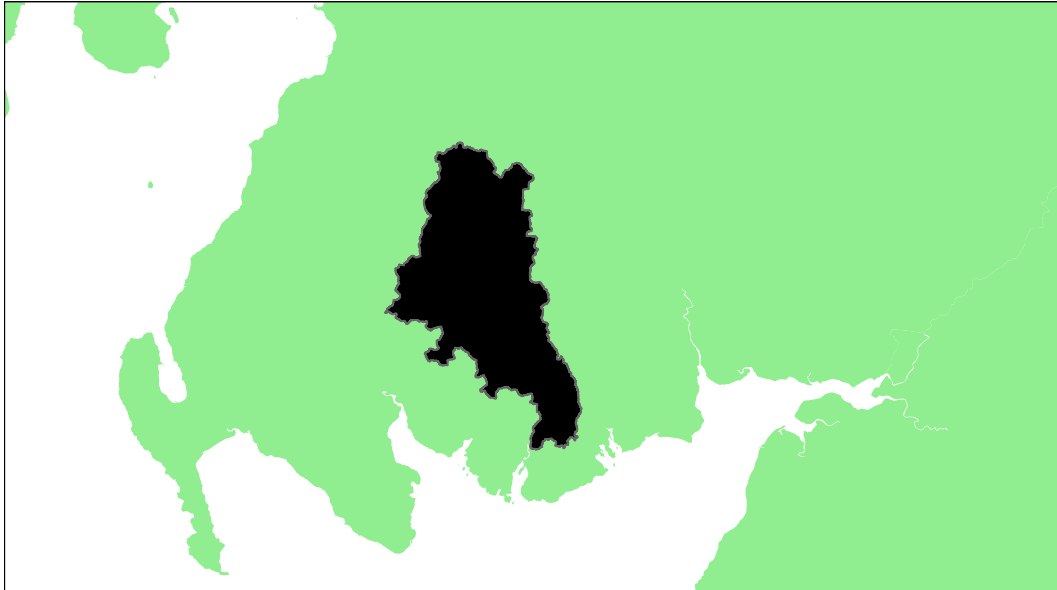
### 5. Percentage chance that the egg requirement has been reached



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 3



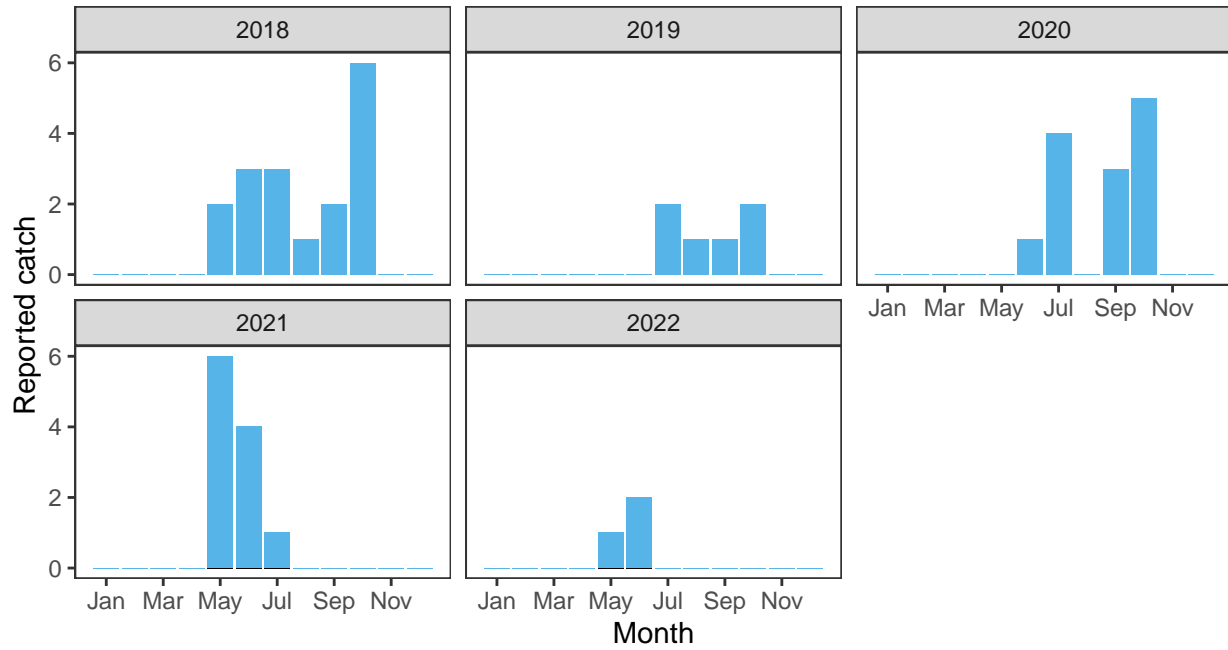
### *Summary Table*

Eggs required (m <sup>2</sup> ) <sup>a</sup>	Area (m <sup>2</sup> ) <sup>a</sup>	Total egg requirement <sup>a</sup>	Percentage chance meeting requirement					Overall	Grade
			2018	2019	2020	2021	2022		
0.71	1,445,000	1,024,000	34.49	5.06	19.64	5.56	5.91	0.14132	3

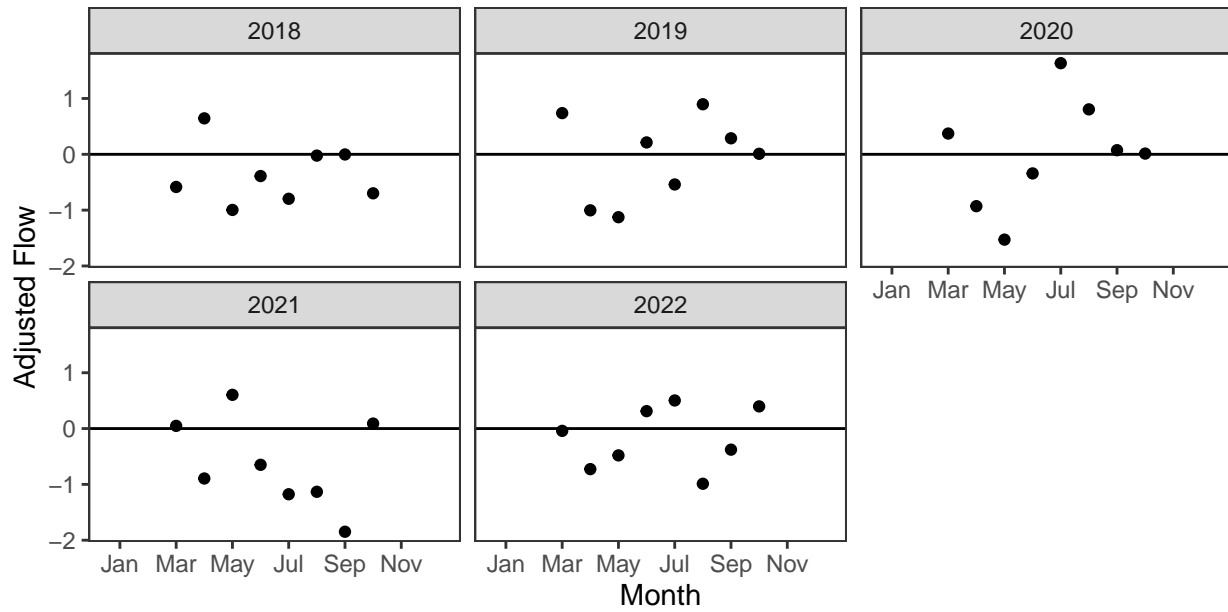
<sup>a</sup> Figures presented are median values

# 1. Converting Reported Catches to Numbers of Returning Salmon

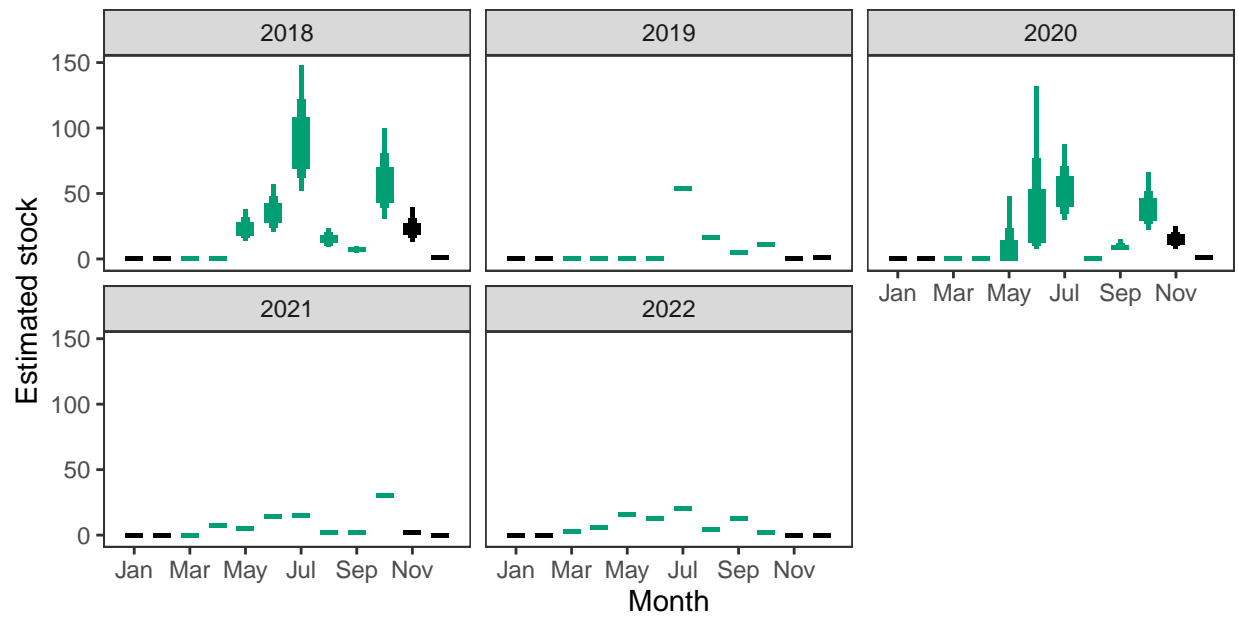
*Reported Catches (black = retained, blue = released)*



*Monthly flow data*

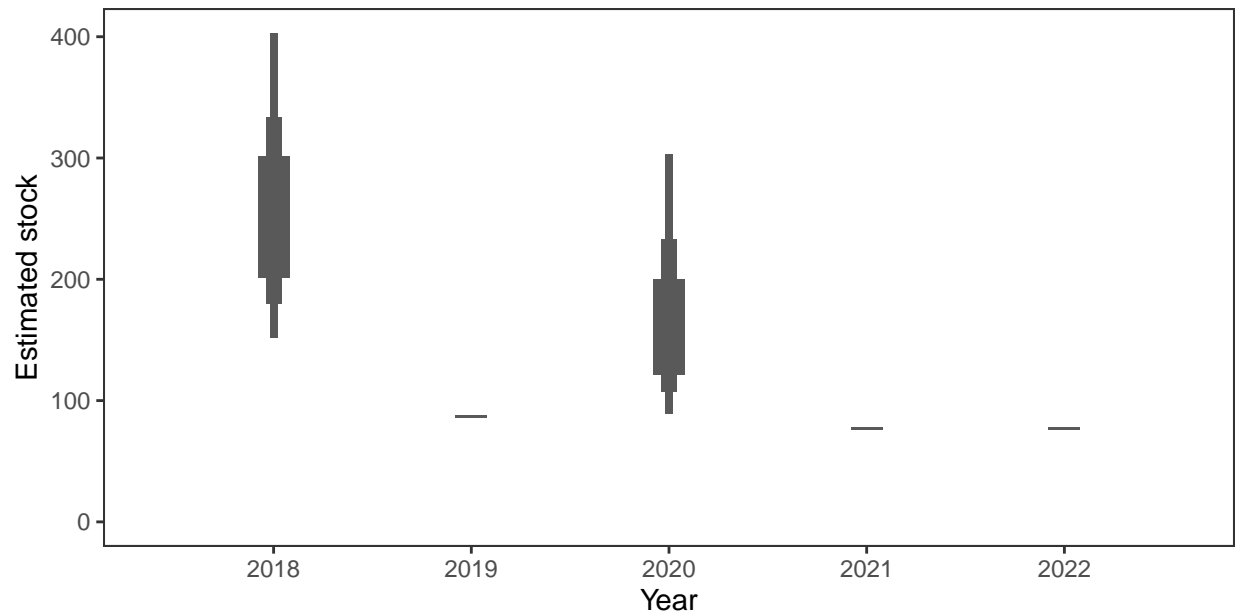


*Monthly stock estimates (out of season in black)*



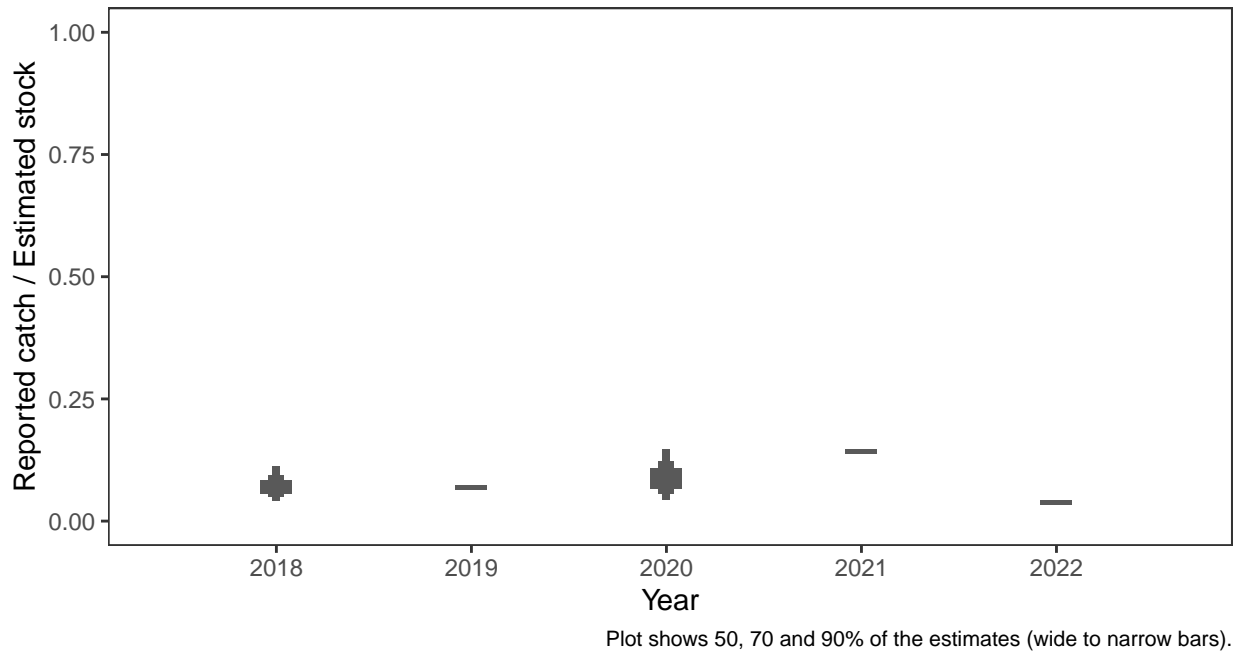
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual estimated stock*



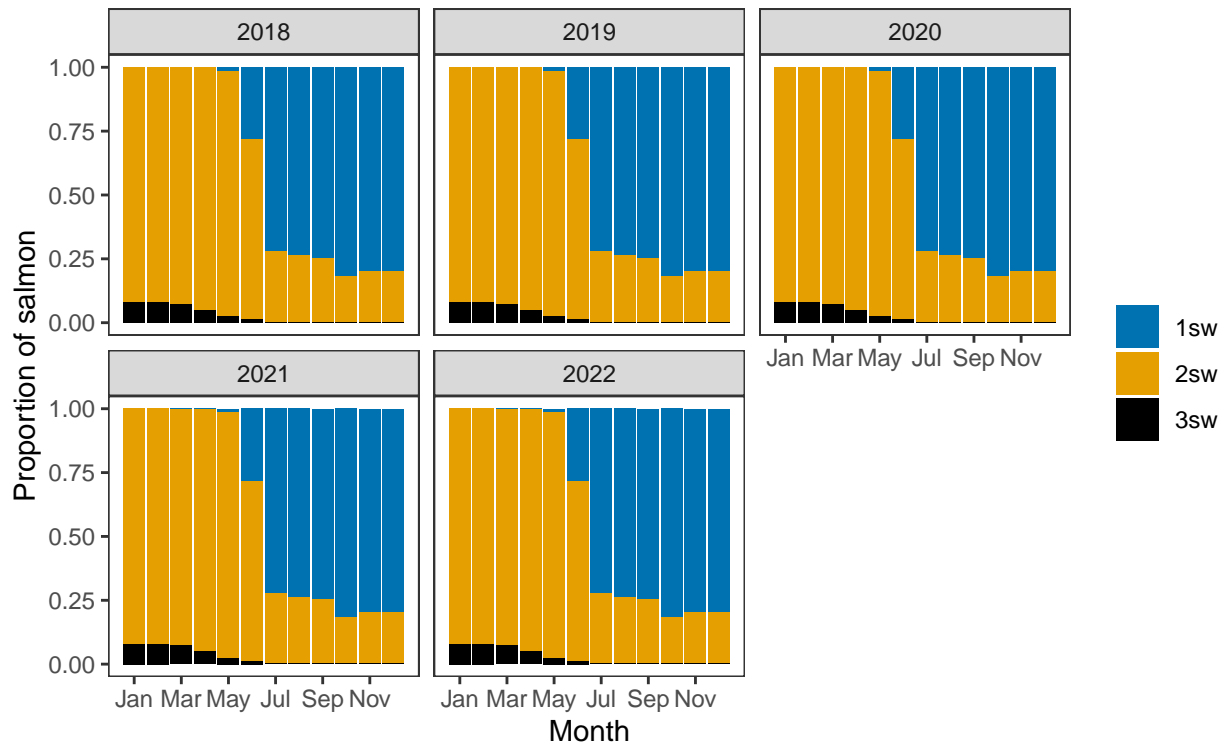
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual catch as a proportion of stock*

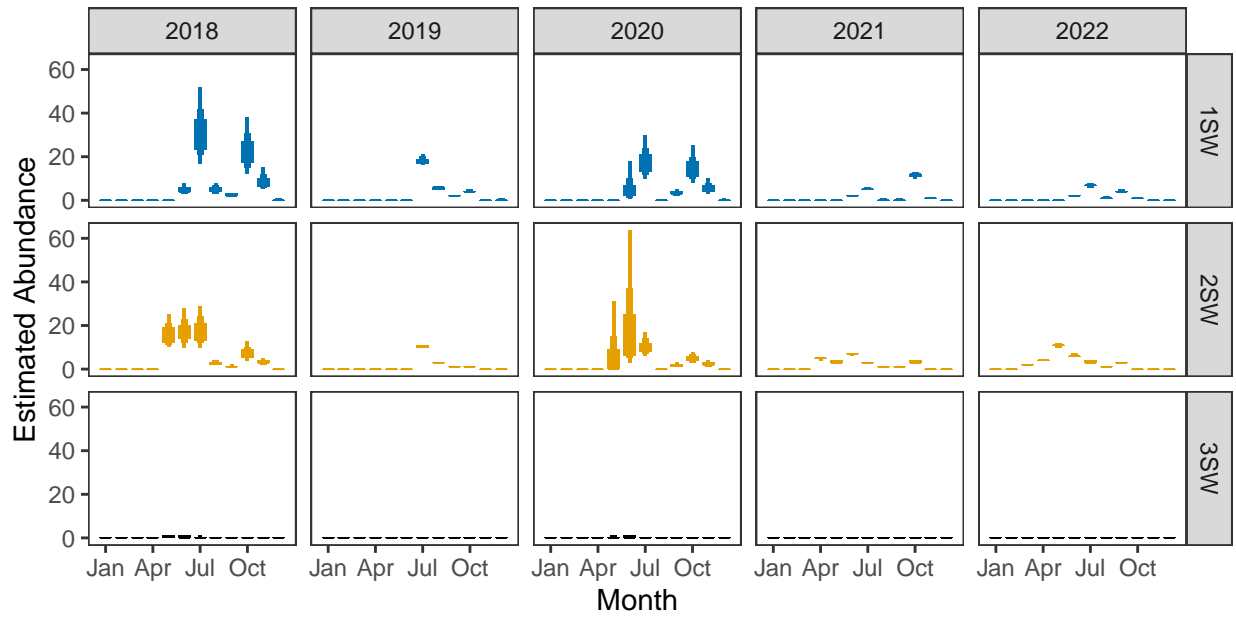


**2. Converting Numbers of Returning Salmon to Numbers of Spawning Females**

*Ages of fish*

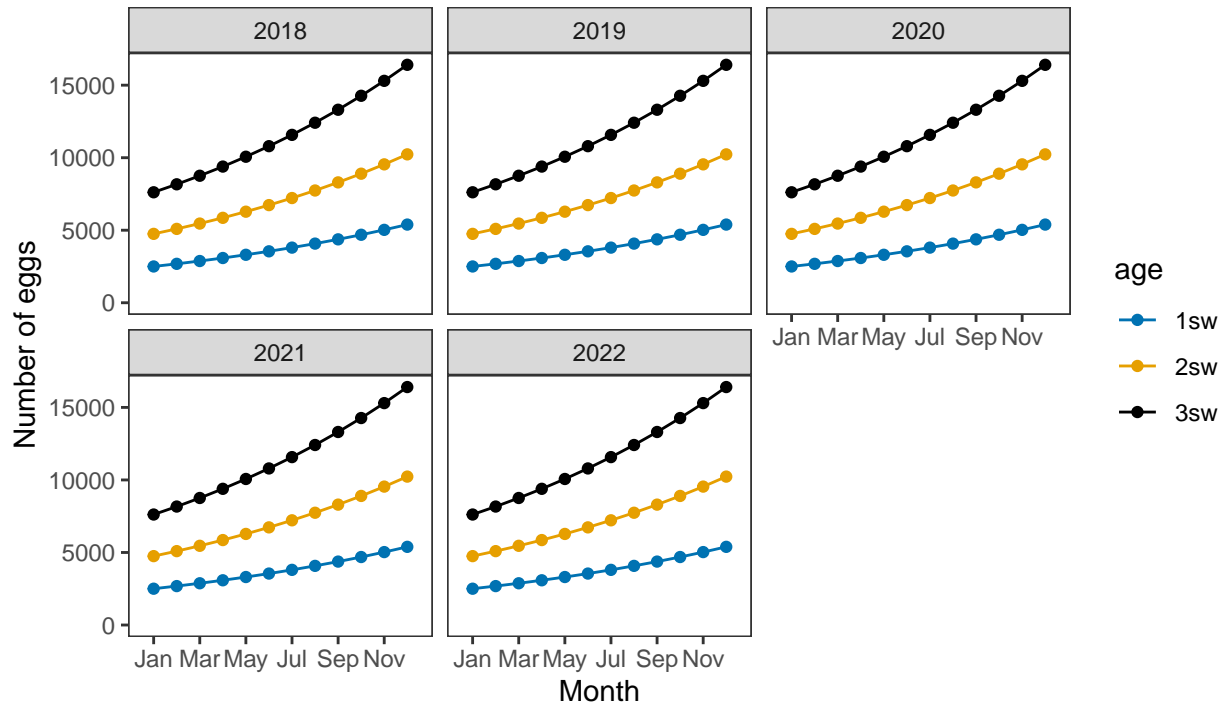


*Monthly number of spawning females*

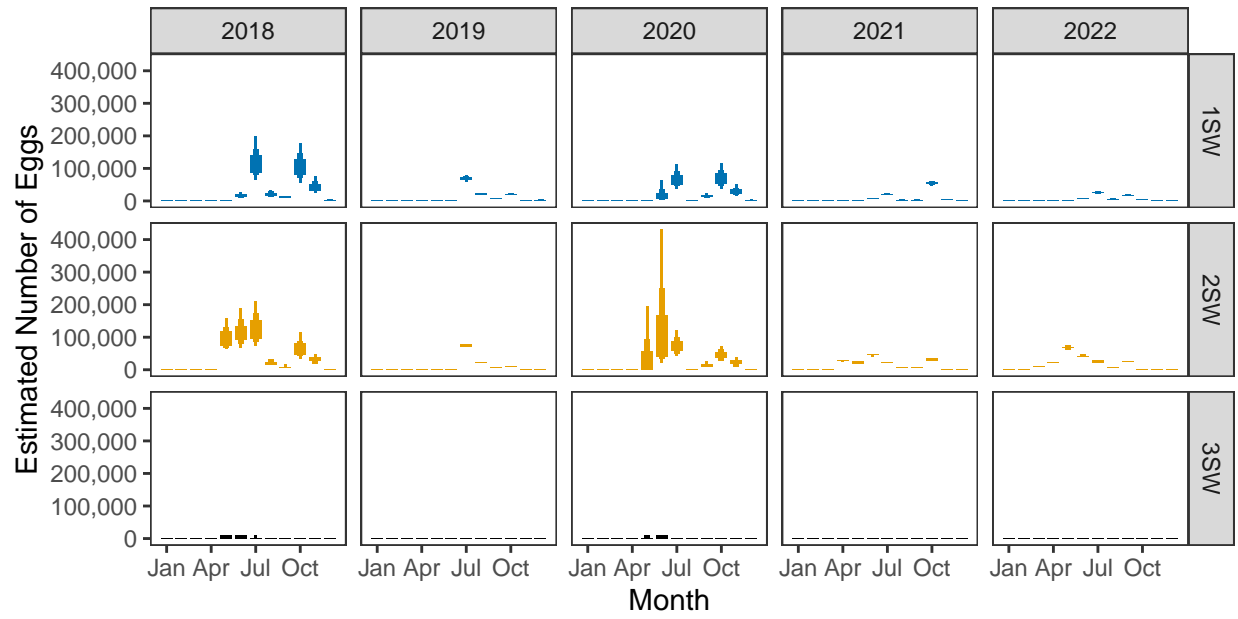


**3. Converting Number of Spawners to Number of Eggs**

*Egg contents of females*

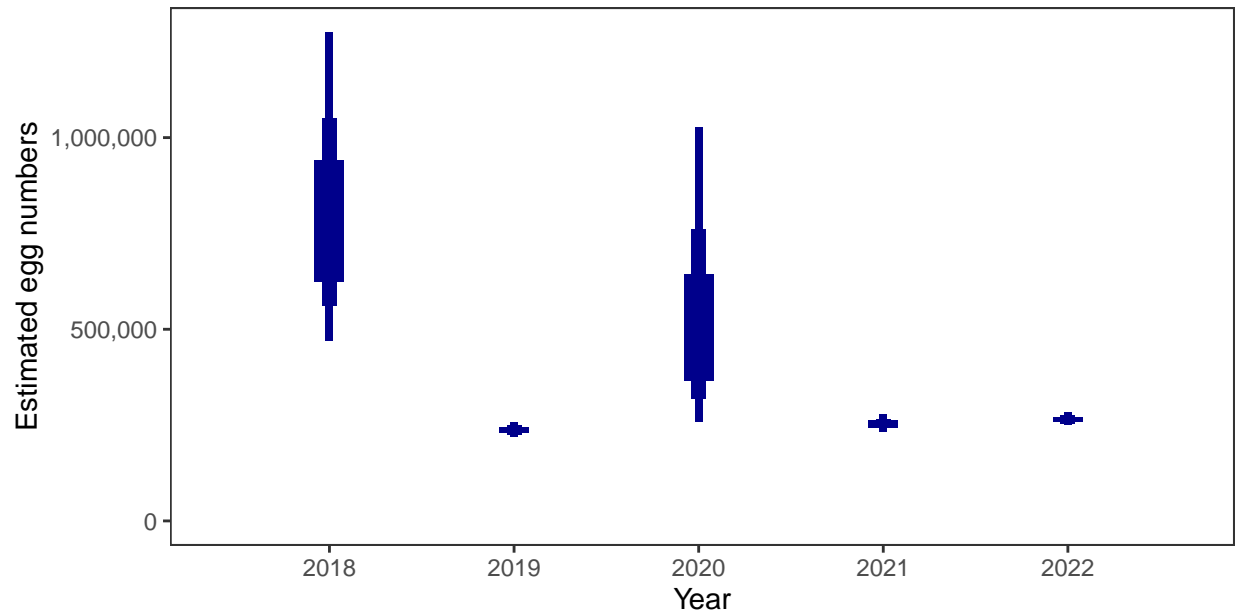


*Monthly number of eggs*



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).

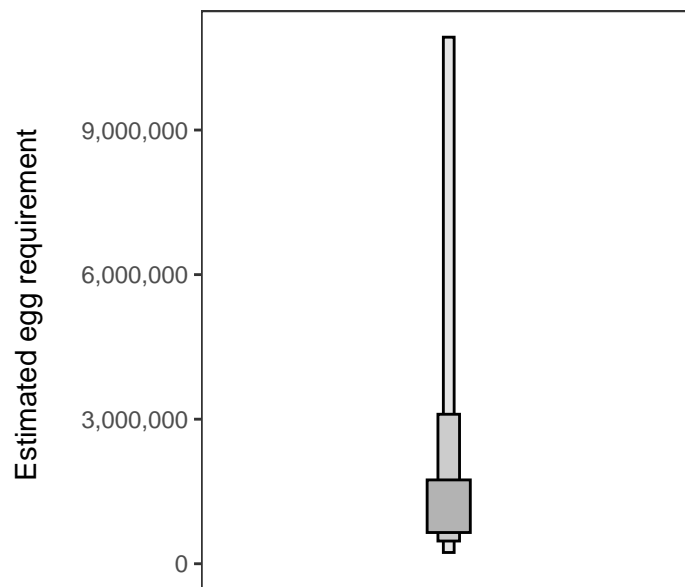
Year	Percentage above
2018	34.49
2019	5.06
2020	19.64
2021	5.56
2022	5.91

#### 4. Egg requirement

##### *Areas of salmon habitat in square meters*

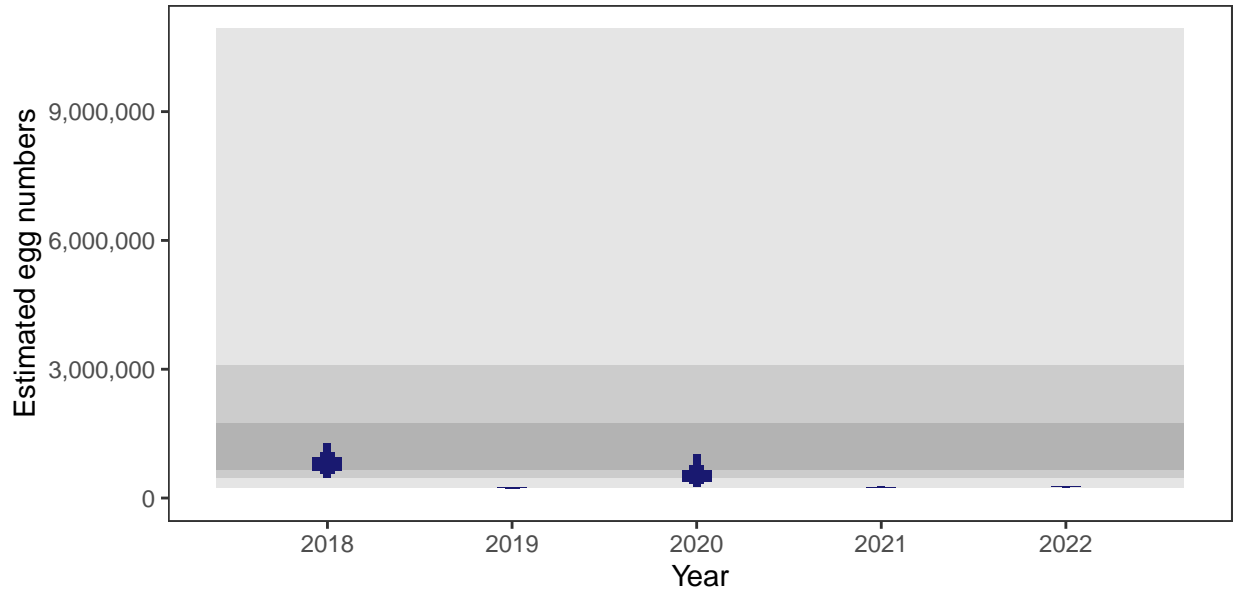
There is an estimated 1,399,661 square meters of known salmon habitat in the River Dee (Kirkcudbrightshire) and a further 487,108 square meters where salmon may be present.

##### *Egg requirement*



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

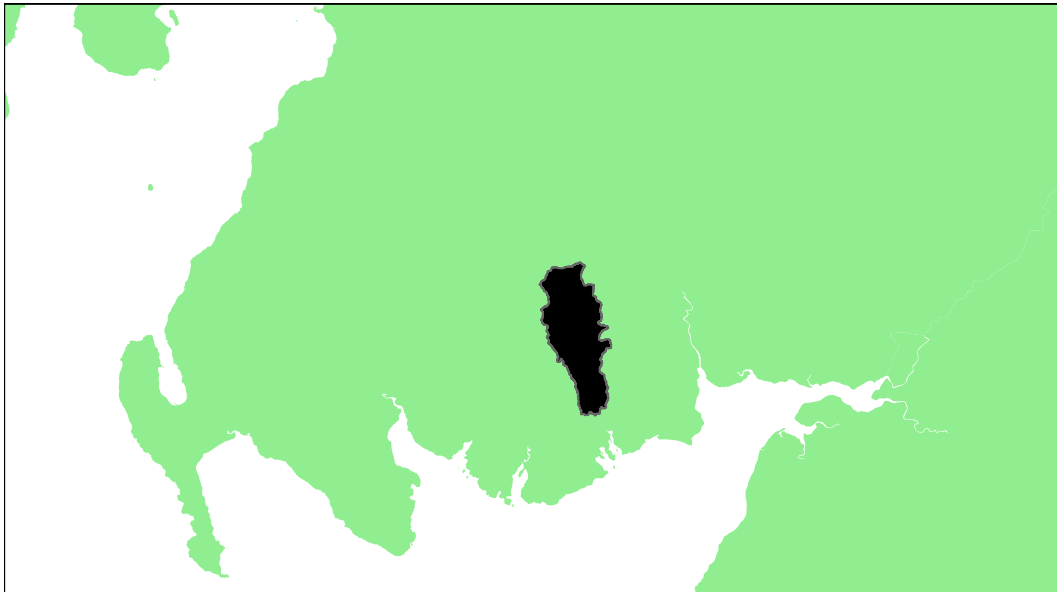
### 5. Percentage chance that the egg requirement has been reached



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 3



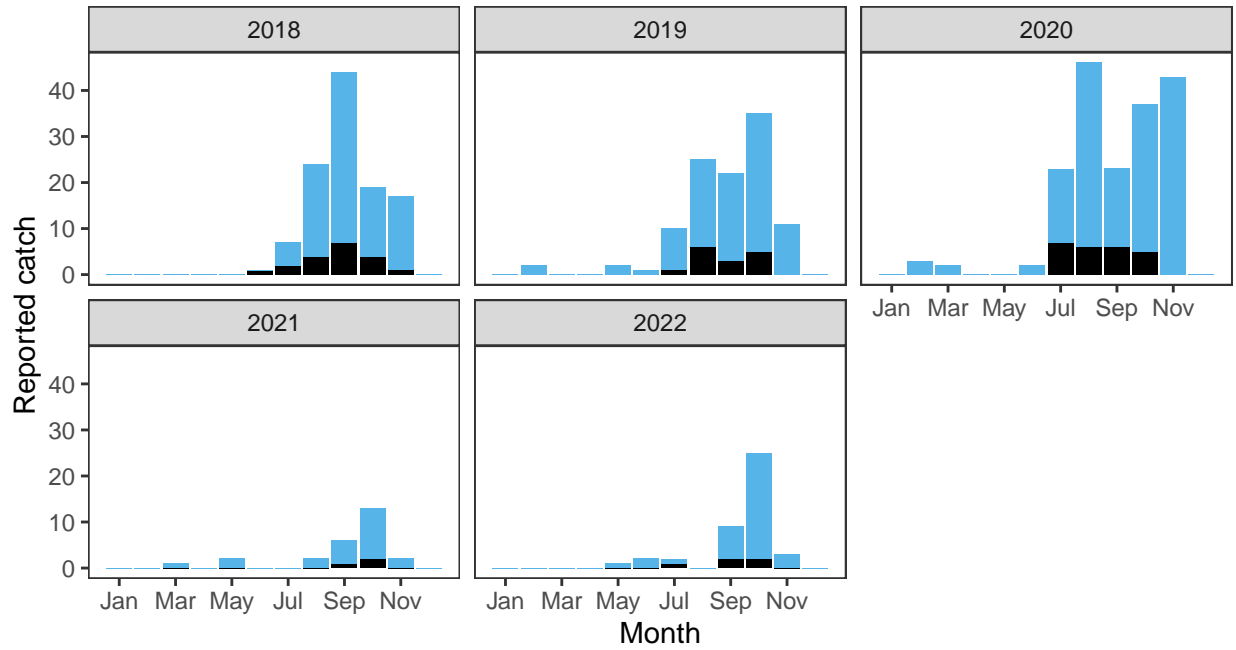
### *Summary Table*

Eggs required (m <sup>2</sup> ) <sup>a</sup>	Area (m <sup>2</sup> ) <sup>a</sup>	Total egg requirement <sup>a</sup>	Percentage chance meeting requirement					Overall	Grade
			2018	2019	2020	2021	2022		
1.85	468,000	869,000	70.21	67.08	79.93	22.36	30.73	0.54062	3

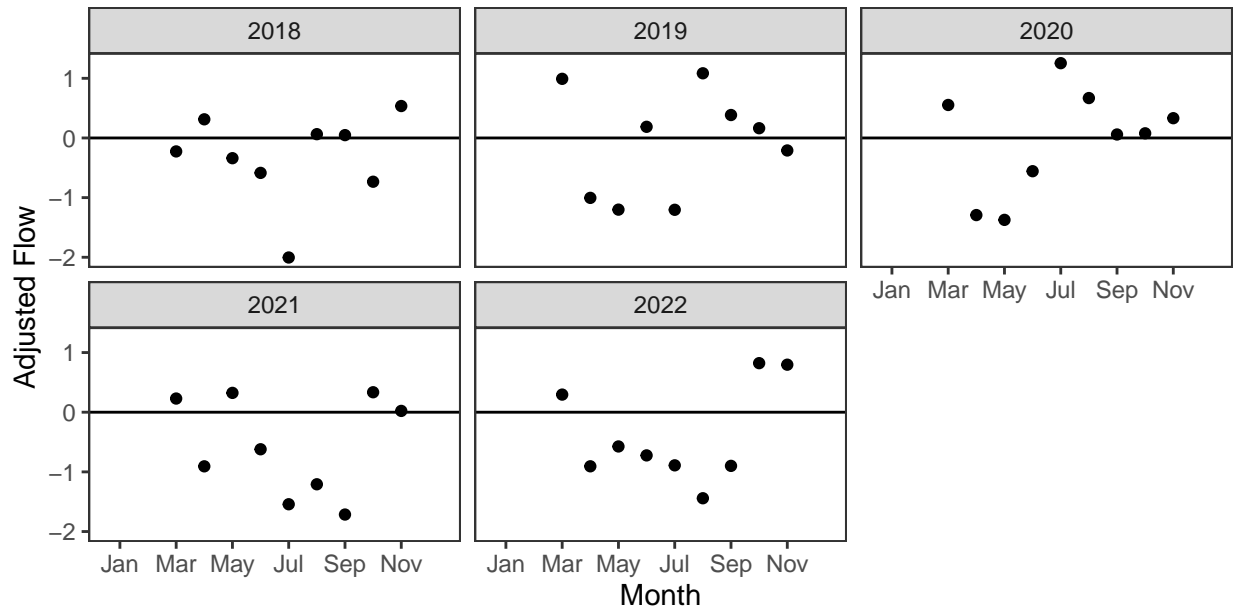
<sup>a</sup> Figures presented are median values

# 1. Converting Reported Catches to Numbers of Returning Salmon

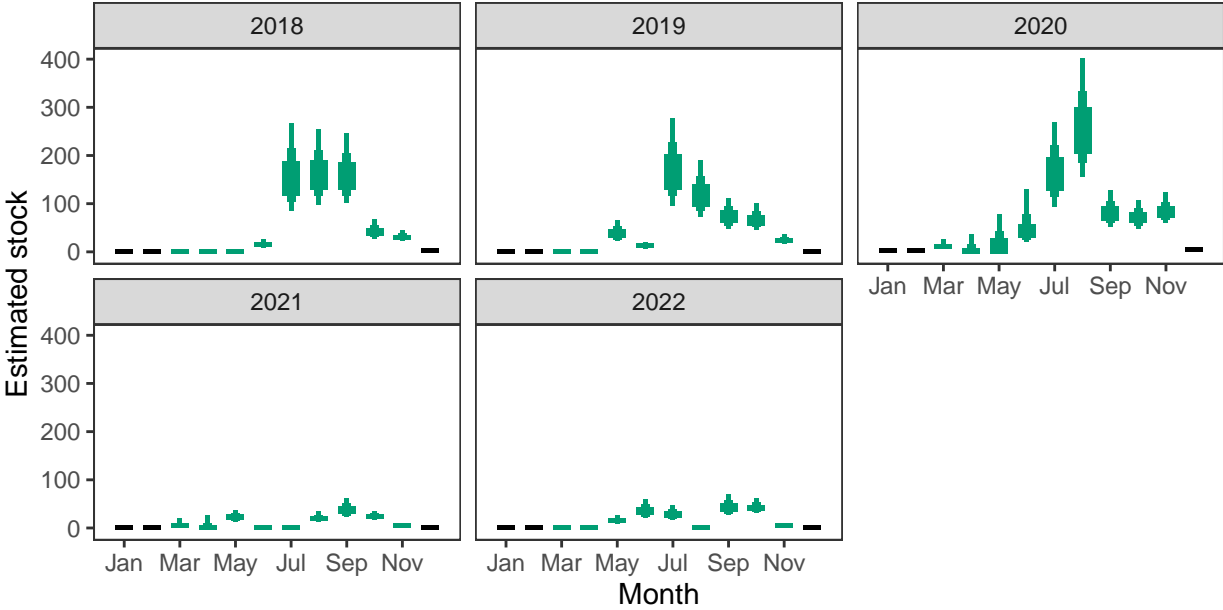
*Reported Catches (black = retained, blue = released)*



*Monthly flow data*

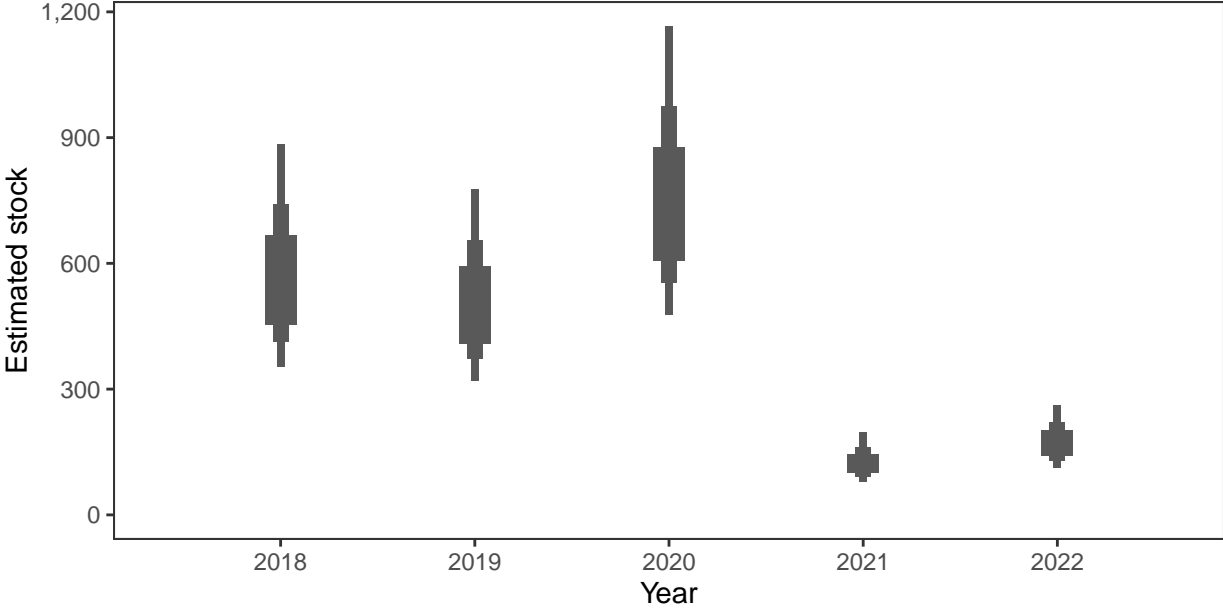


*Monthly stock estimates (out of season in black)*



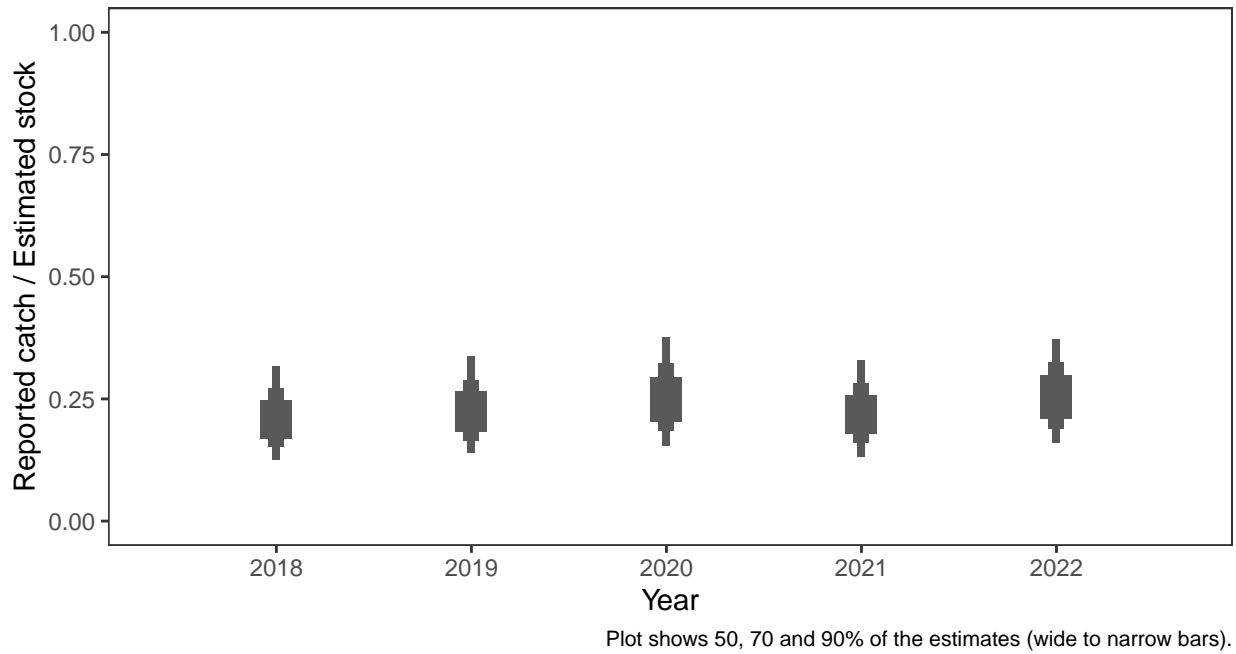
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual estimated stock*



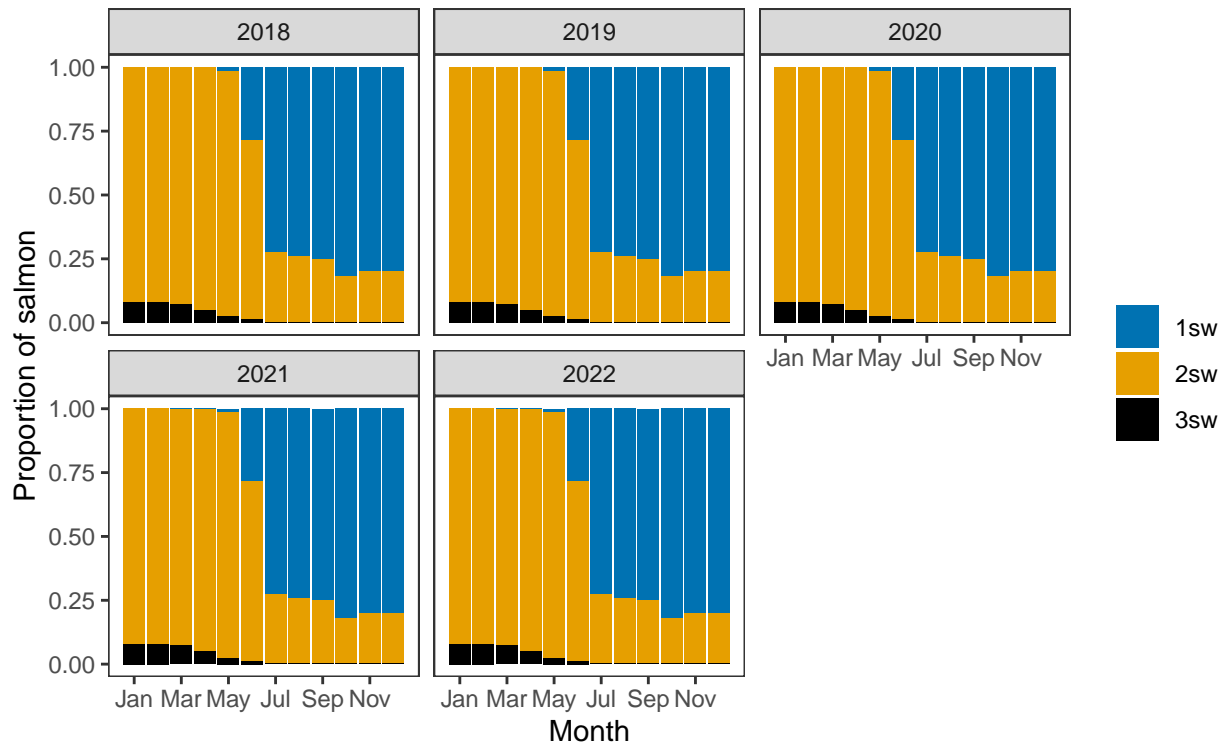
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual catch as a proportion of stock*

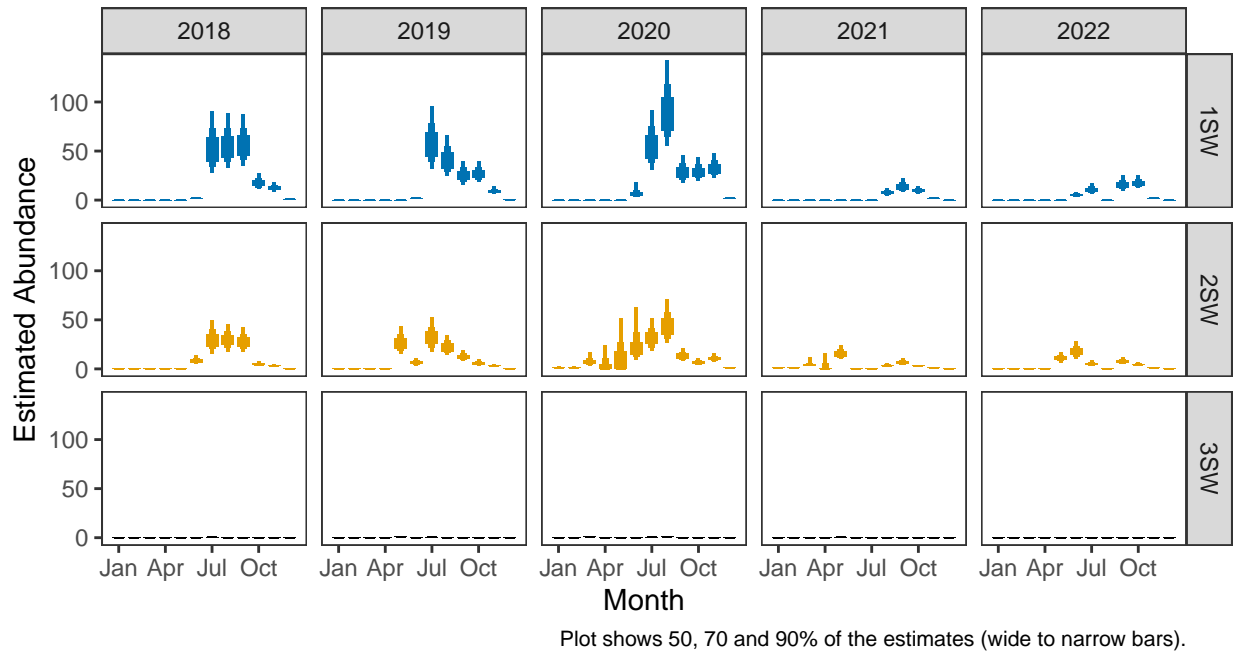


**2. Converting Numbers of Returning Salmon to Numbers of Spawning Females**

*Ages of fish*

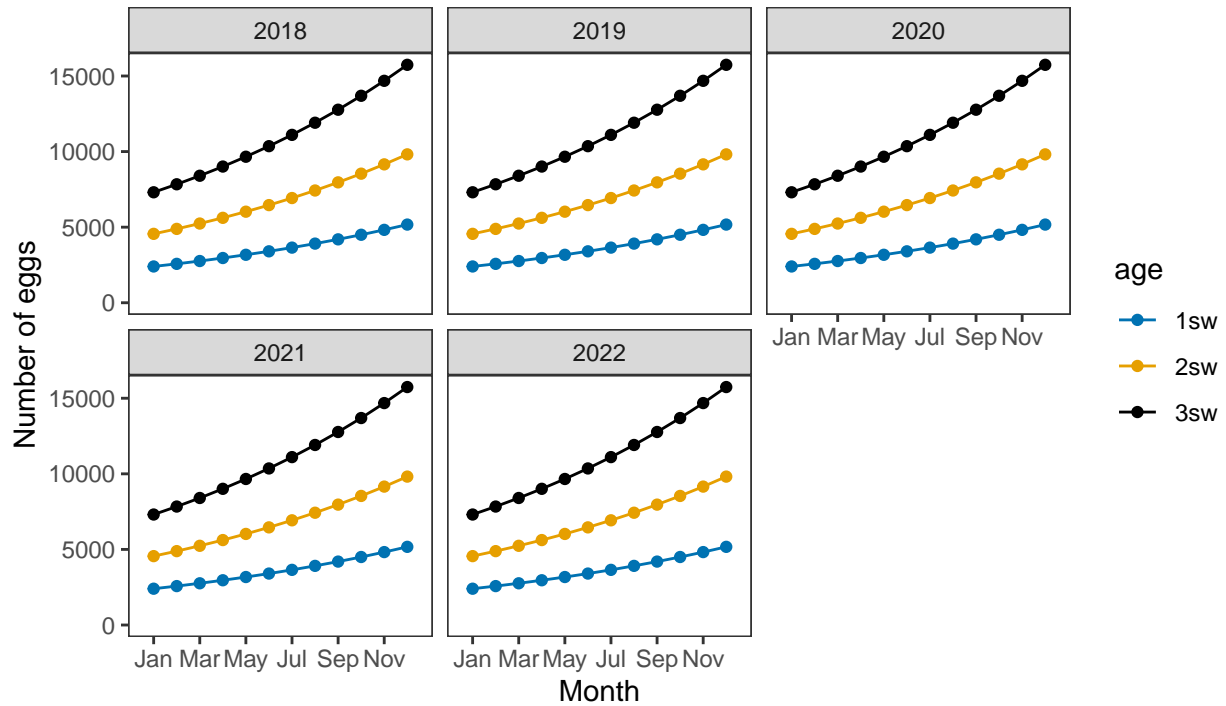


*Monthly number of spawning females*

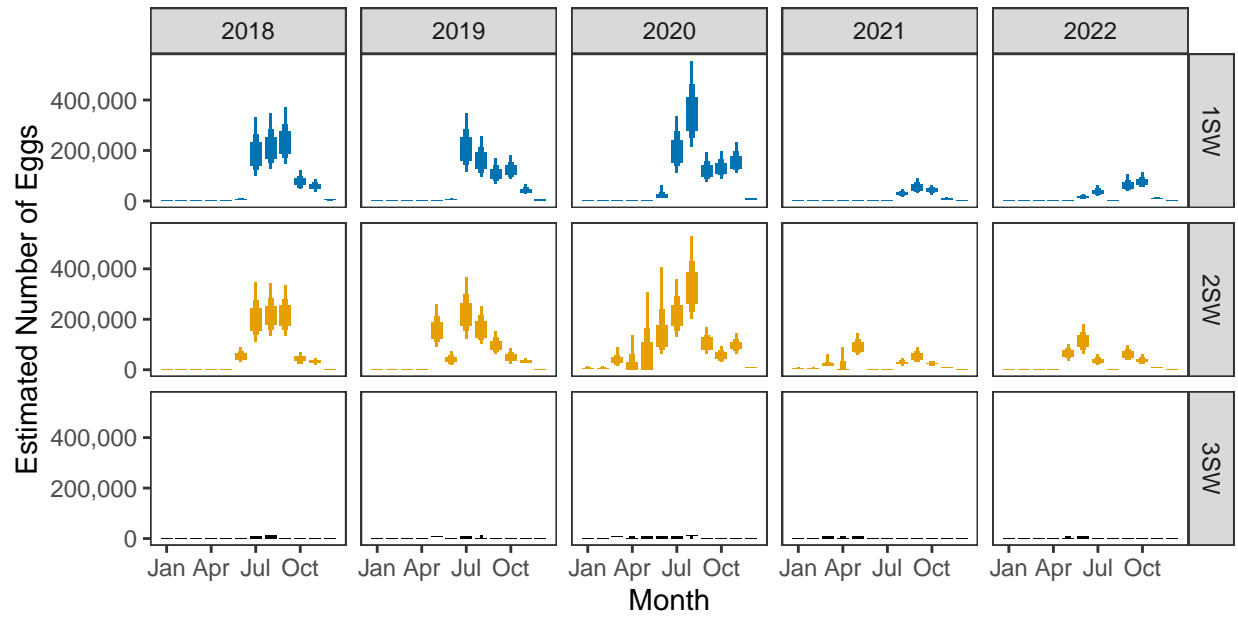


**3. Converting Number of Spawners to Number of Eggs**

*Egg contents of females*

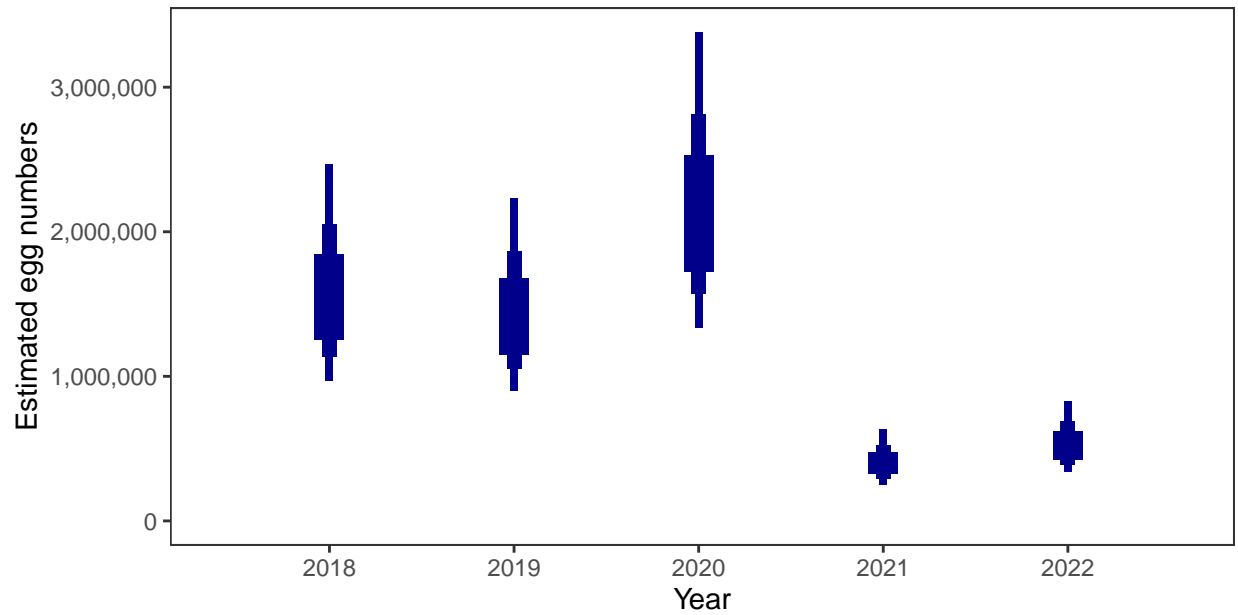


*Monthly number of eggs*



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).

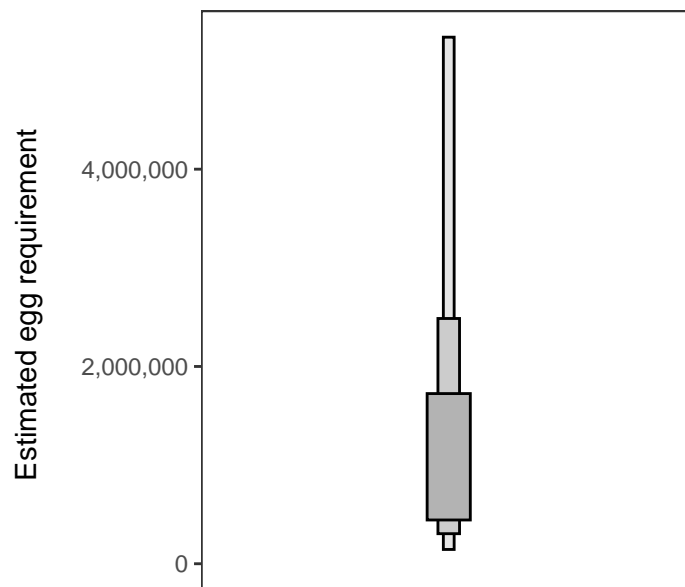
Year	Percentage above
2018	70.21
2019	67.08
2020	79.93
2021	22.36
2022	30.73

#### 4. Egg requirement

##### *Areas of salmon habitat in square meters*

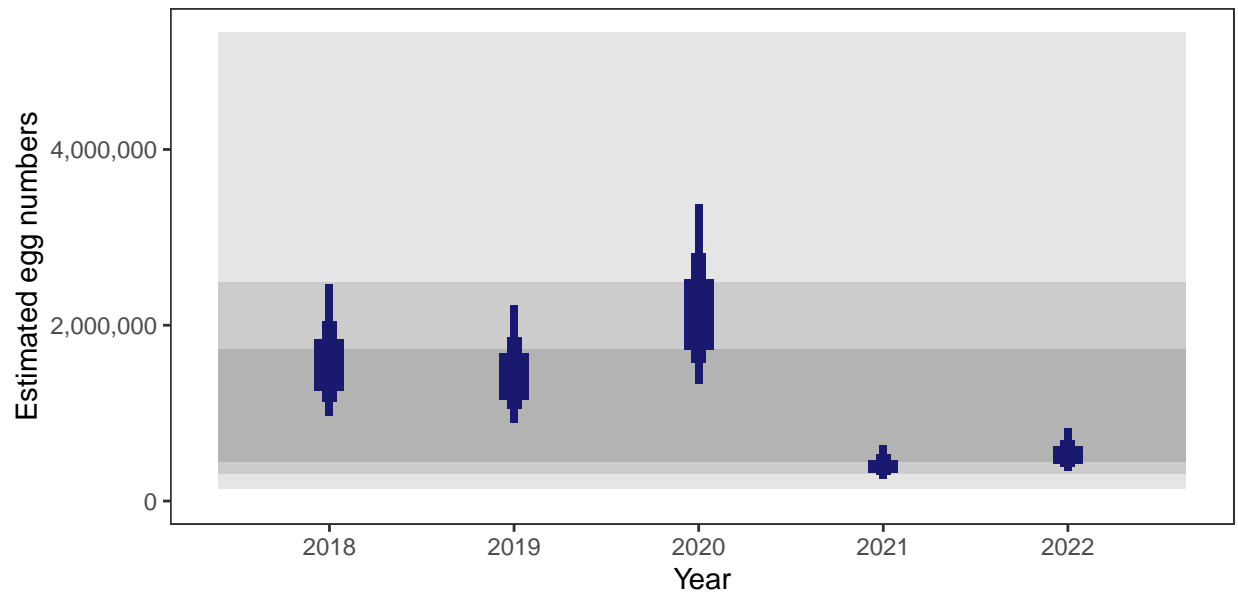
There is an estimated 511,012 square meters of known salmon habitat in the Urr Water and a further 41,351 square meters where salmon may be present.

##### *Egg requirement*



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

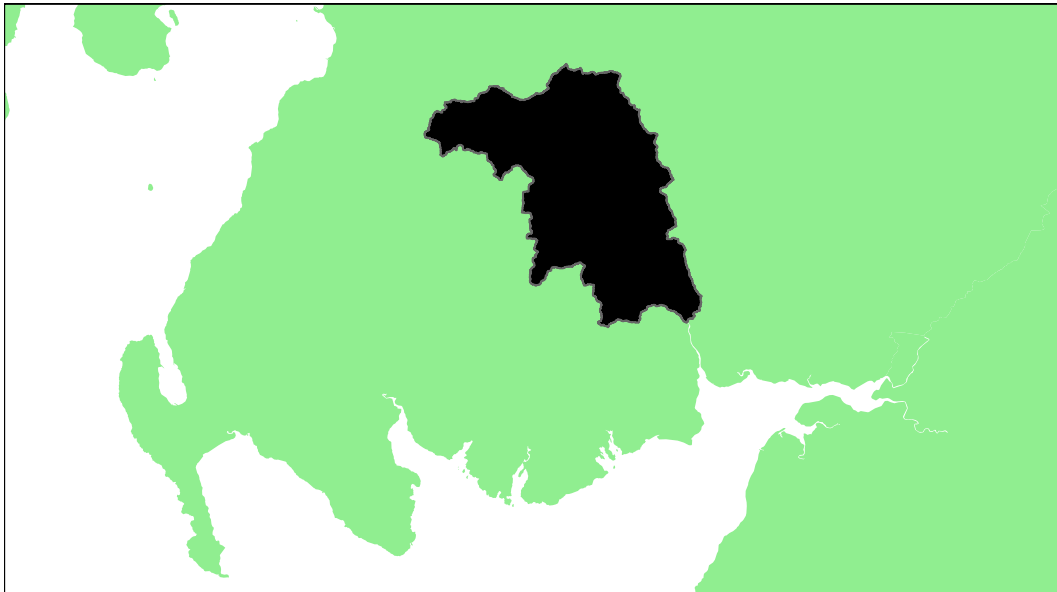
## 5. Percentage chance that the egg requirement has been reached



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



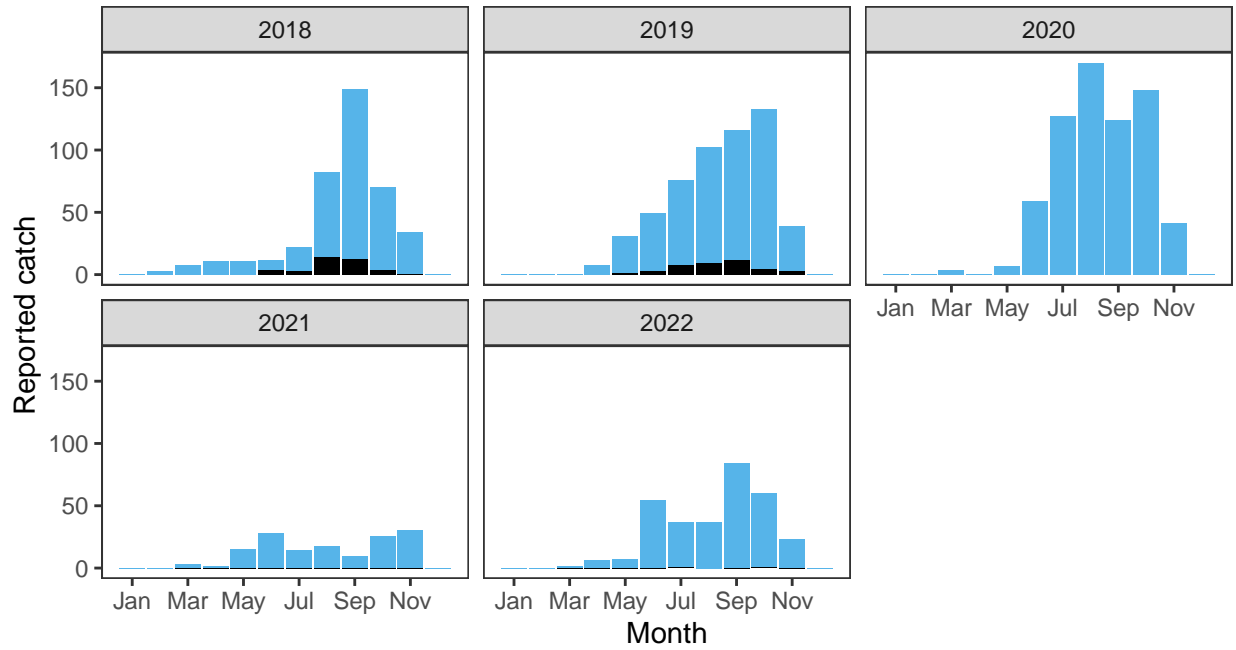
### *Summary Table*

Eggs required (m <sup>2</sup> ) <sup>a</sup>	Area (m <sup>2</sup> ) <sup>a</sup>	Total egg requirement <sup>a</sup>	Percentage chance meeting requirement					Overall	Grade
			2018	2019	2020	2021	2022		
2.38	4,228,000	10,054,000	37.82	55.29	54.95	18.95	40.72	0.41546	3

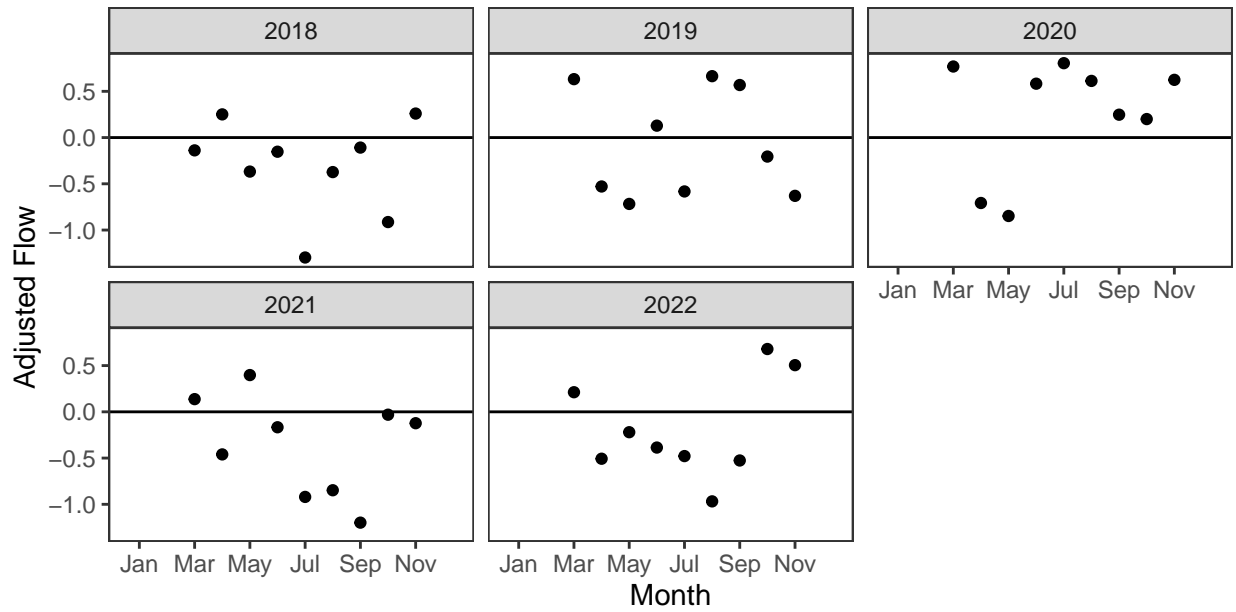
<sup>a</sup> Figures presented are median values

# 1. Converting Reported Catches to Numbers of Returning Salmon

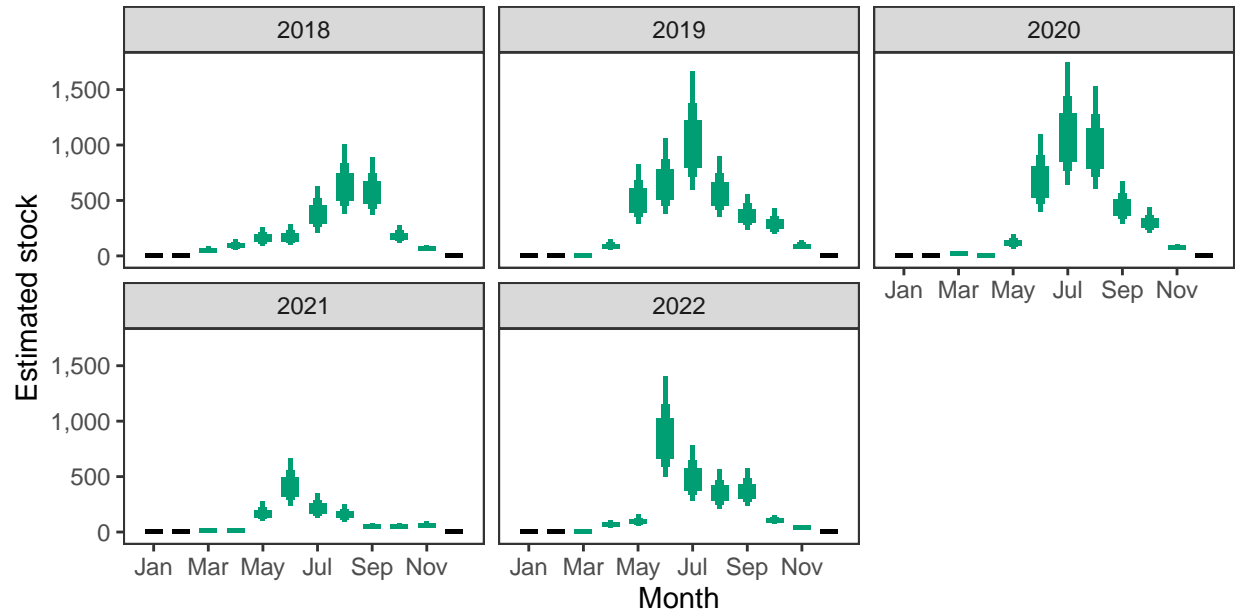
*Reported Catches (black = retained, blue = released)*



*Monthly flow data*

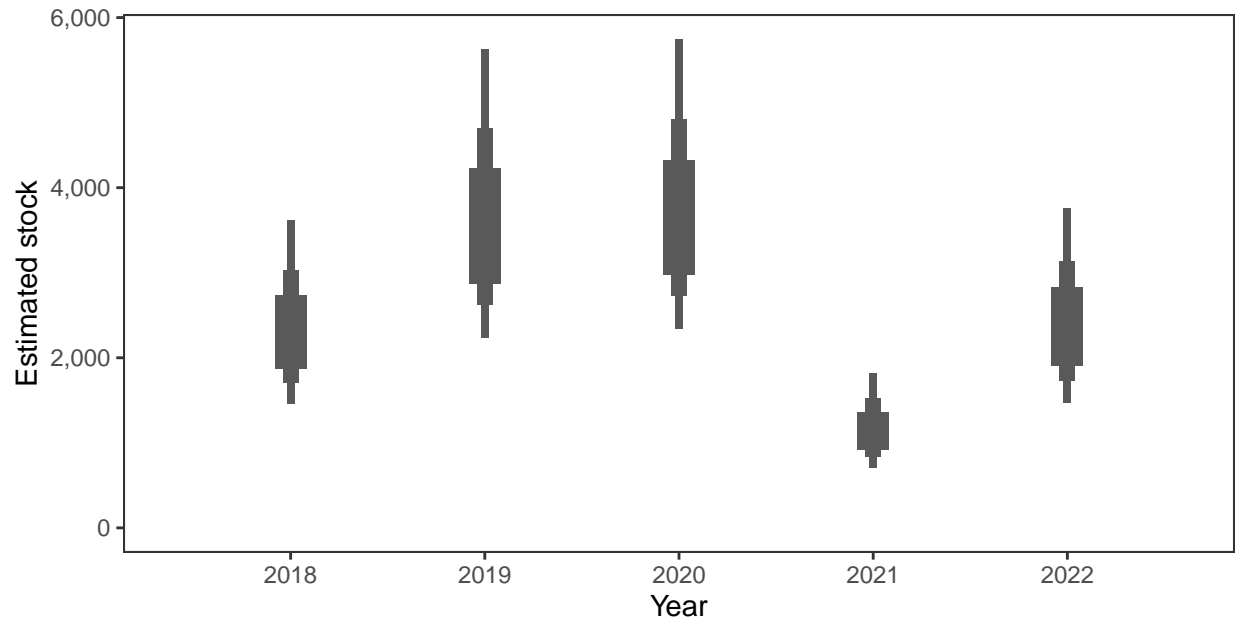


*Monthly stock estimates (out of season in black)*



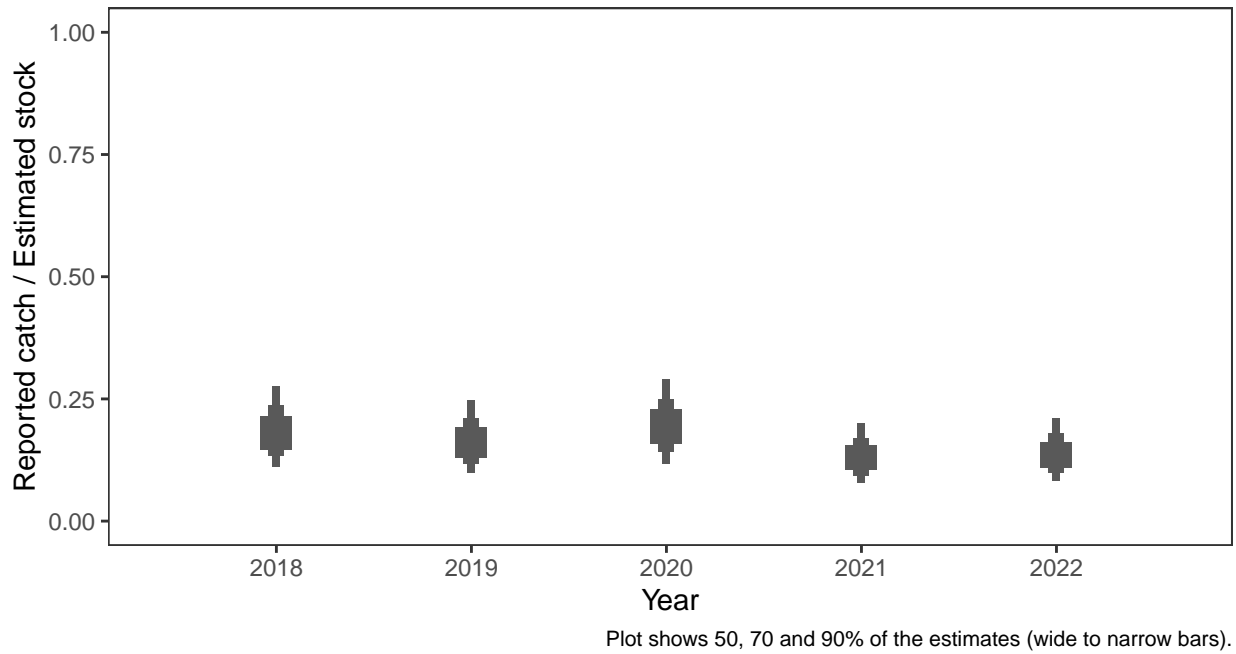
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual estimated stock*



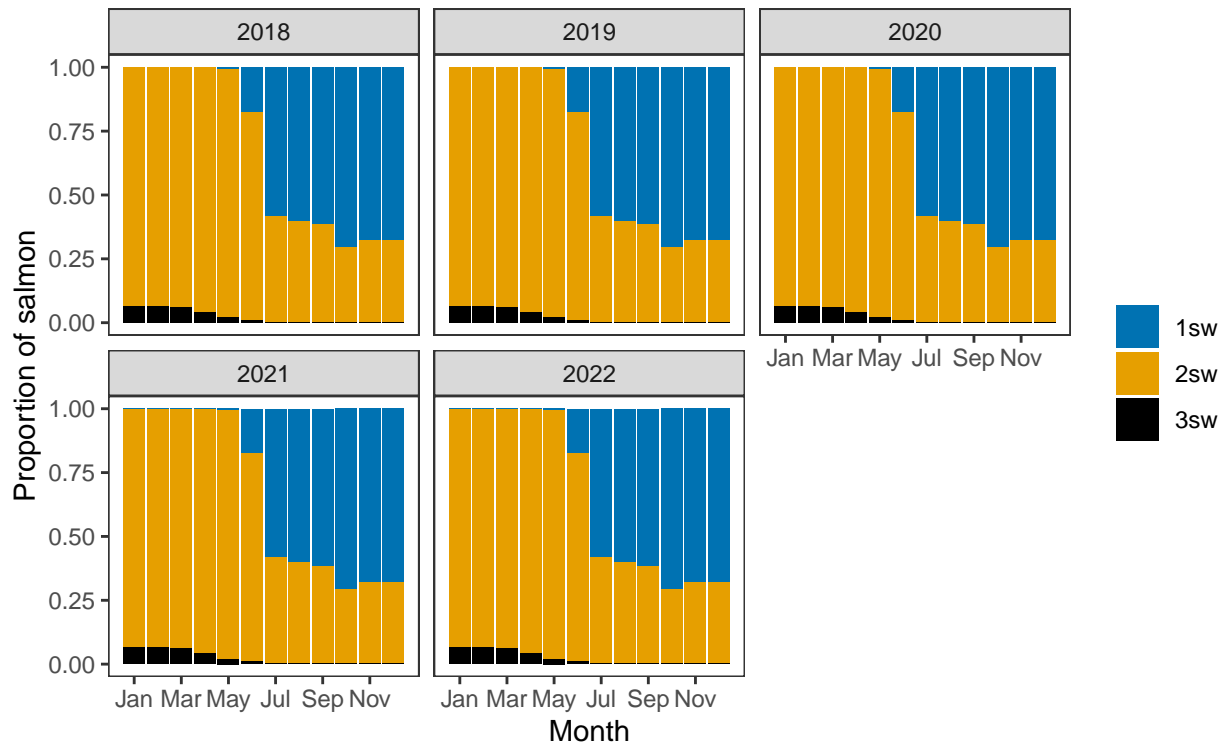
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual catch as a proportion of stock*

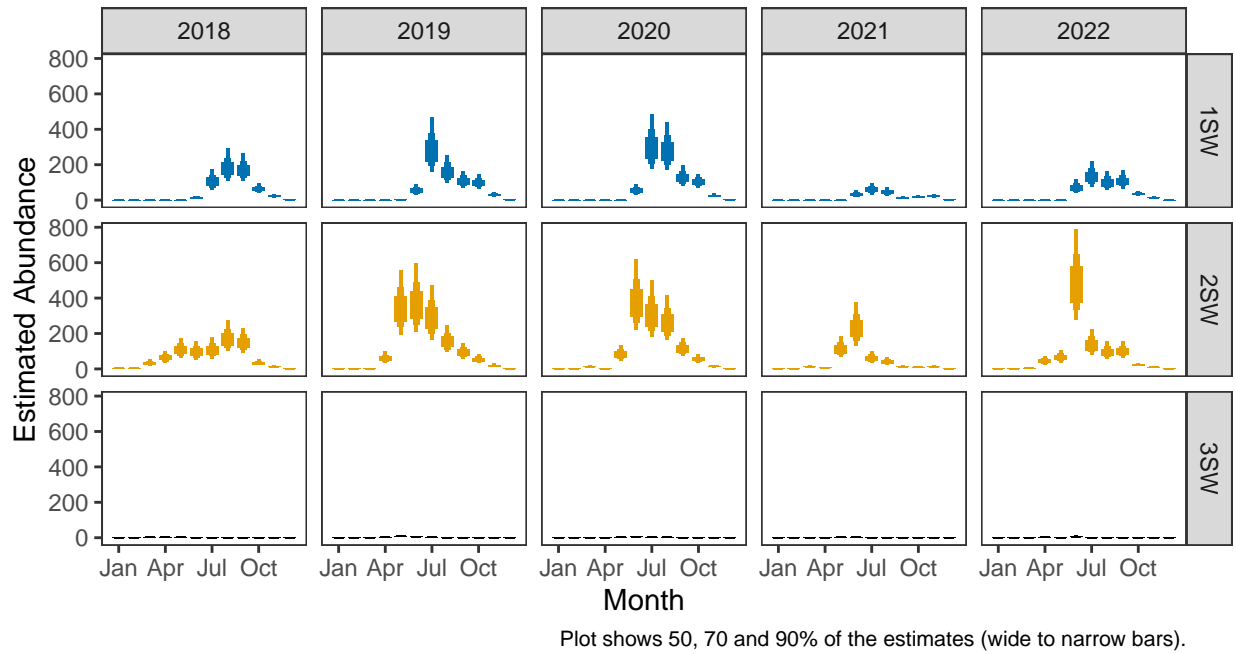


**2. Converting Numbers of Returning Salmon to Numbers of Spawning Females**

*Ages of fish*

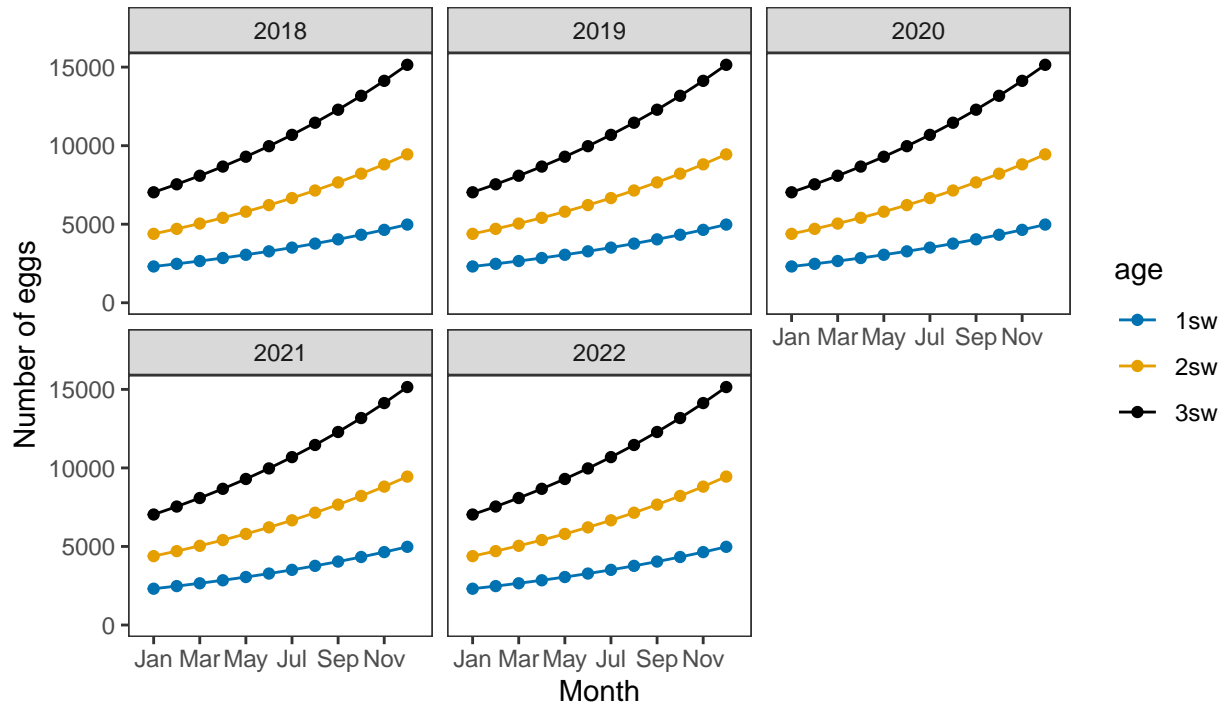


*Monthly number of spawning females*

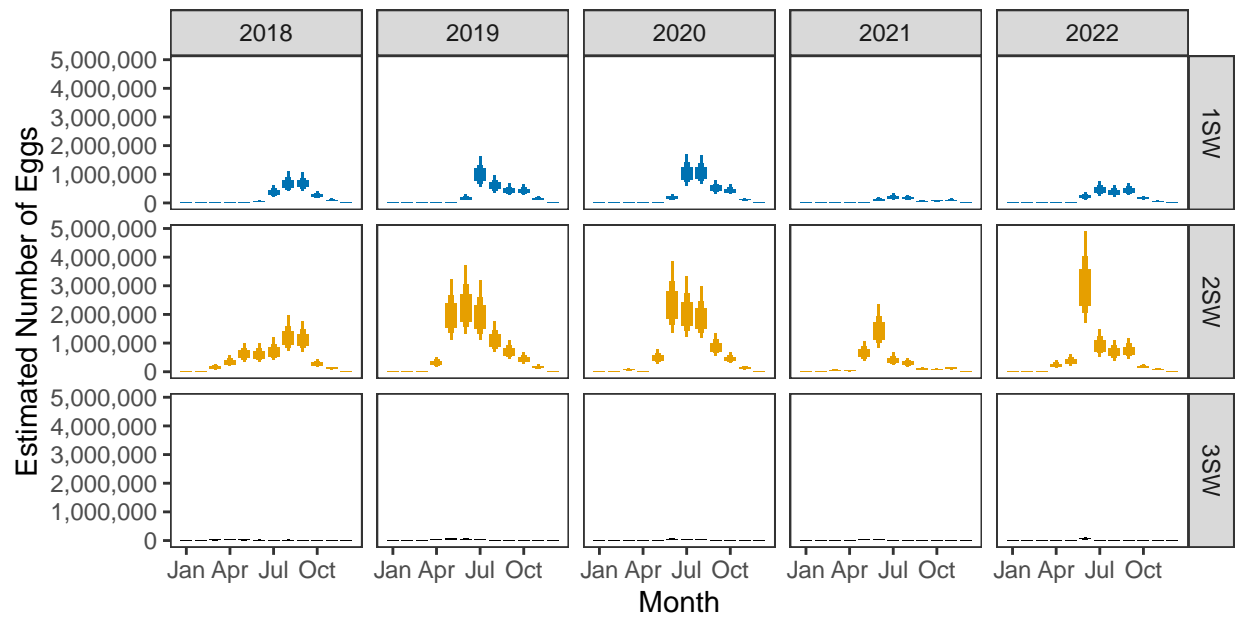


**3. Converting Number of Spawners to Number of Eggs**

*Egg contents of females*

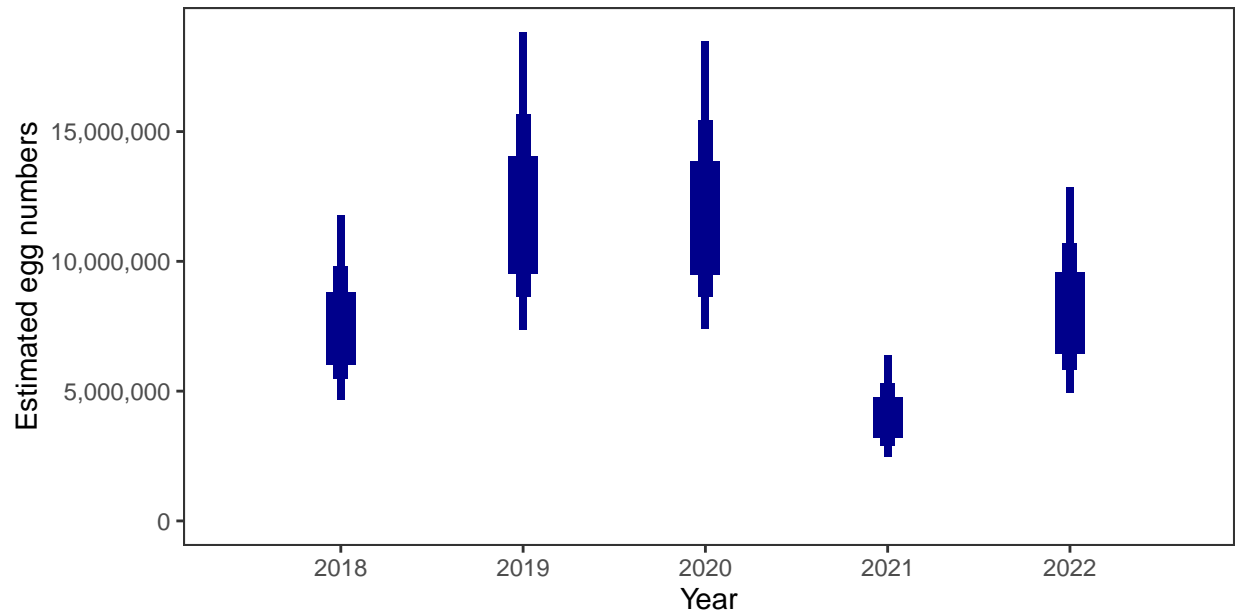


*Monthly number of eggs*



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).

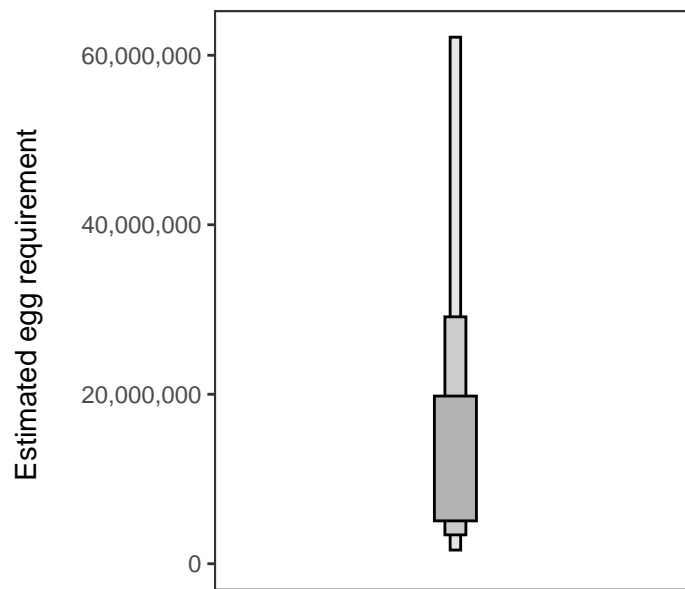
Year	Percentage above
2018	37.82
2019	55.29
2020	54.95
2021	18.95
2022	40.72

#### 4. Egg requirement

##### *Areas of salmon habitat in square meters*

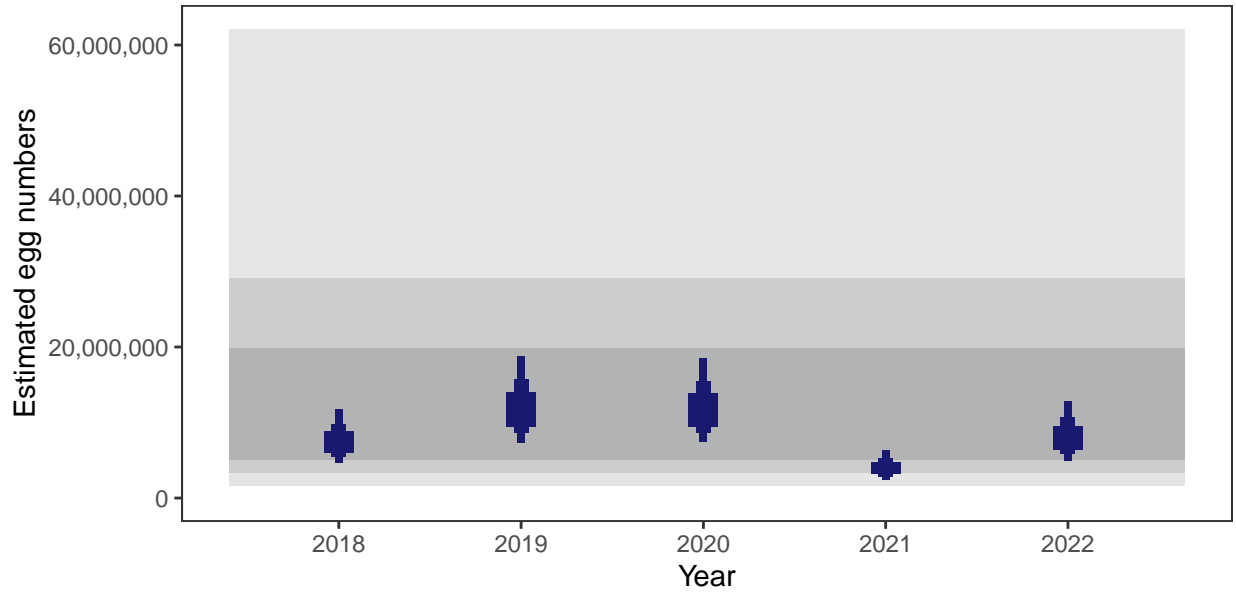
There is an estimated 4,573,785 square meters of known salmon habitat in the River Nith and a further 457,919 square meters where salmon may be present.

##### *Egg requirement*



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

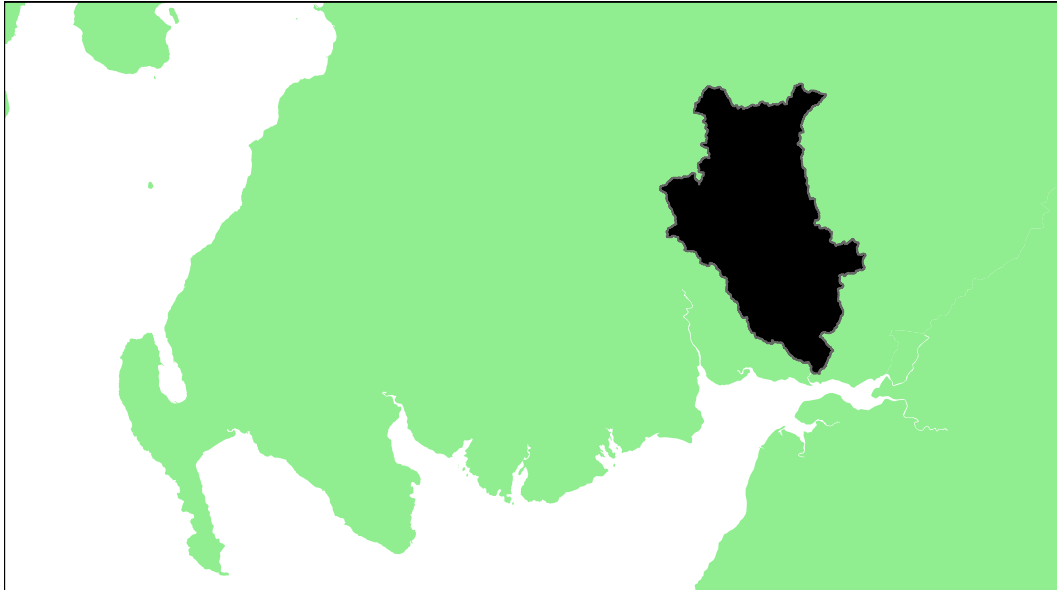
5. Percentage chance that the egg requirement has been reached



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



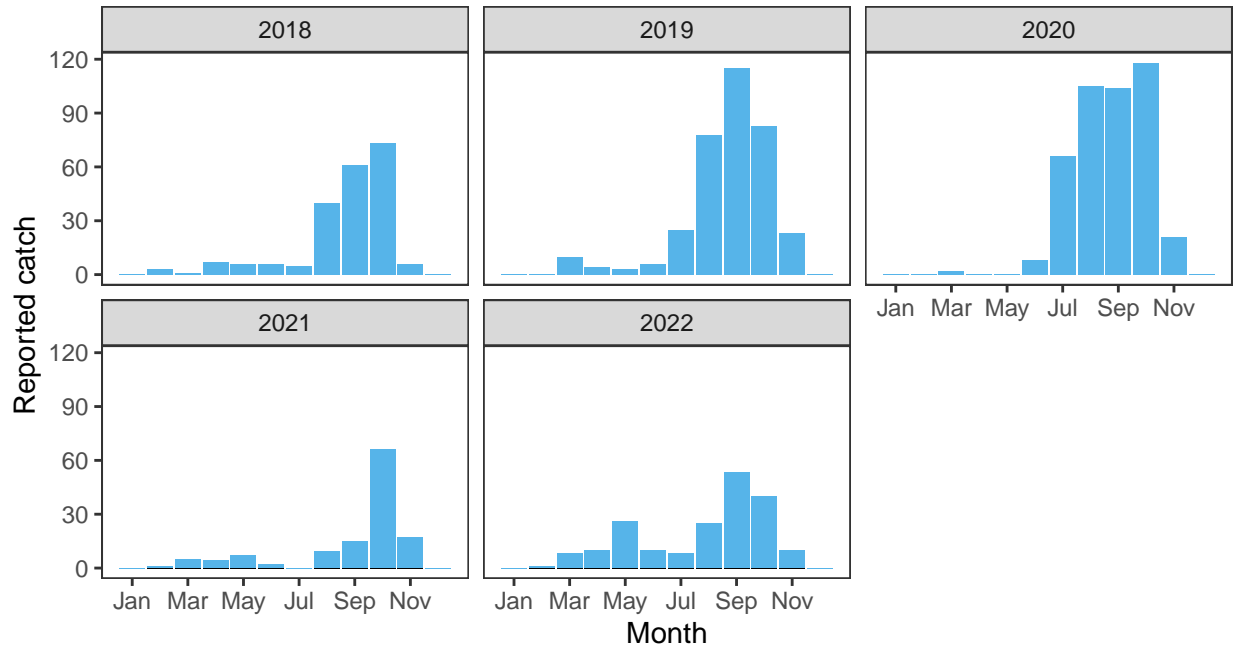
### *Summary Table*

Eggs required (m <sup>2</sup> ) <sup>a</sup>	Area (m <sup>2</sup> ) <sup>a</sup>	Total egg requirement <sup>a</sup>	Percentage chance meeting requirement					Overall	Grade
			2018	2019	2020	2021	2022		
1.68	3,786,000	6,339,000	27.81	43.37	49.9	13.81	39.94	0.34966	3

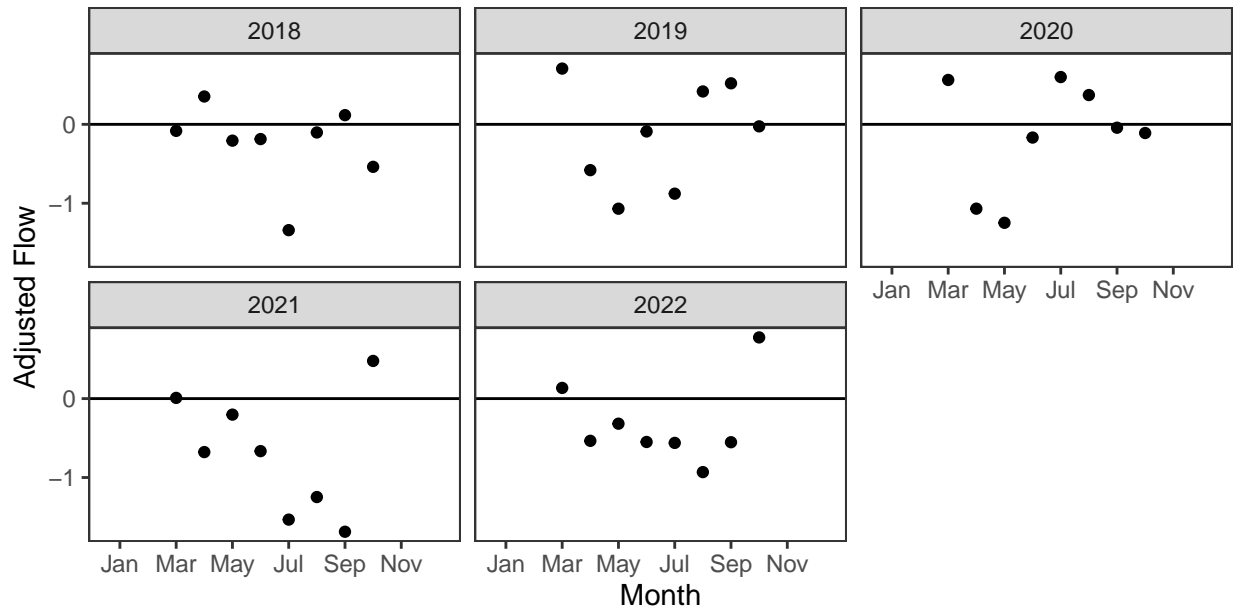
<sup>a</sup> Figures presented are median values

# 1. Converting Reported Catches to Numbers of Returning Salmon

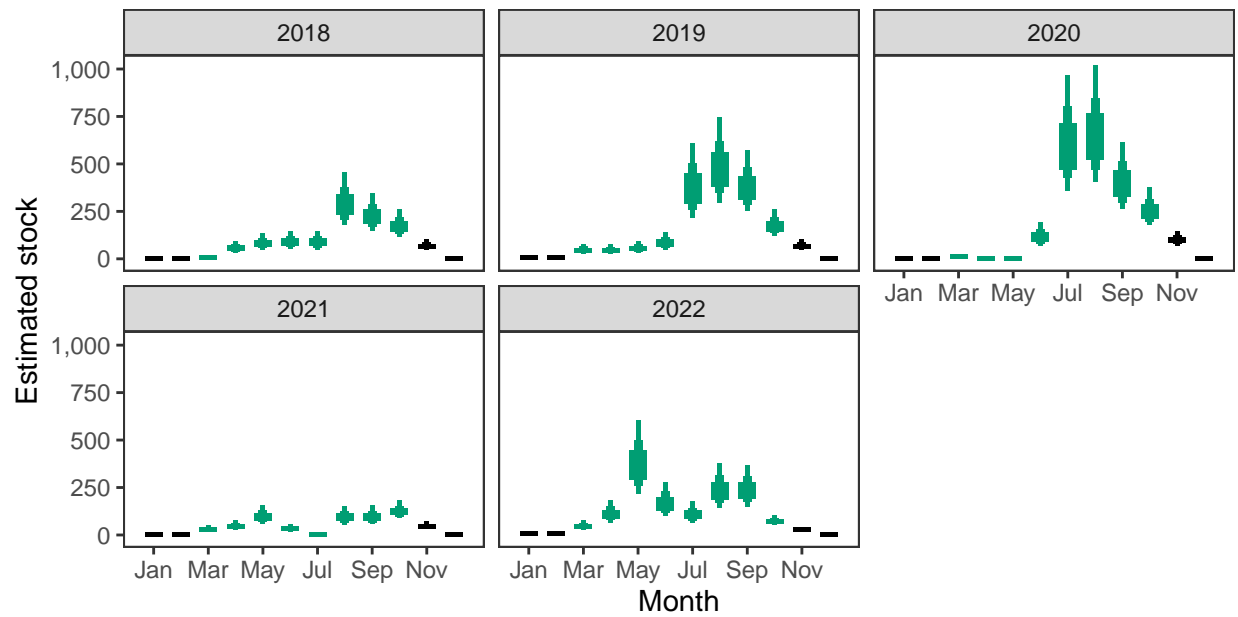
*Reported Catches (black = retained, blue = released)*



*Monthly flow data*

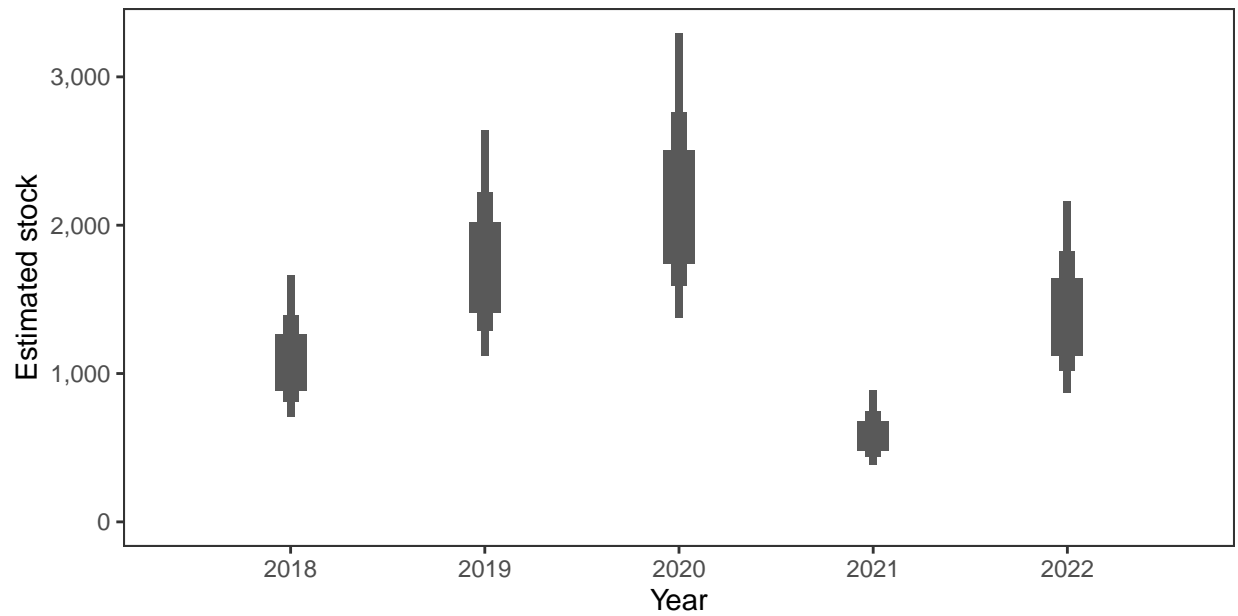


*Monthly stock estimates (out of season in black)*



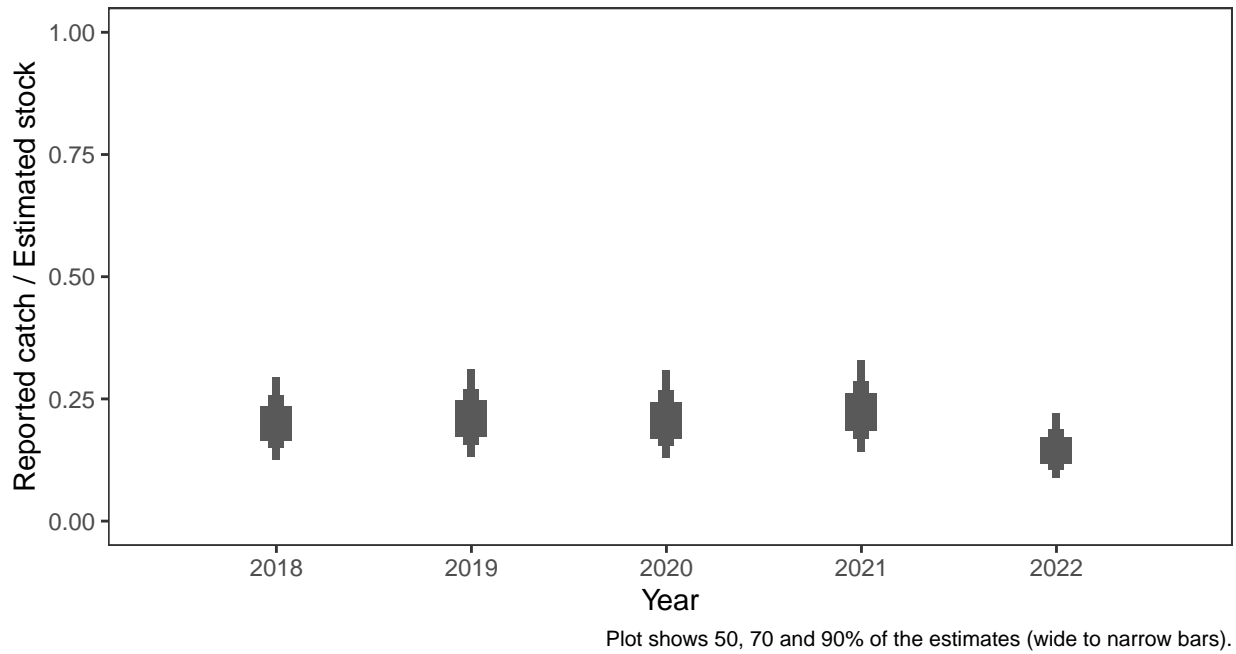
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual estimated stock*



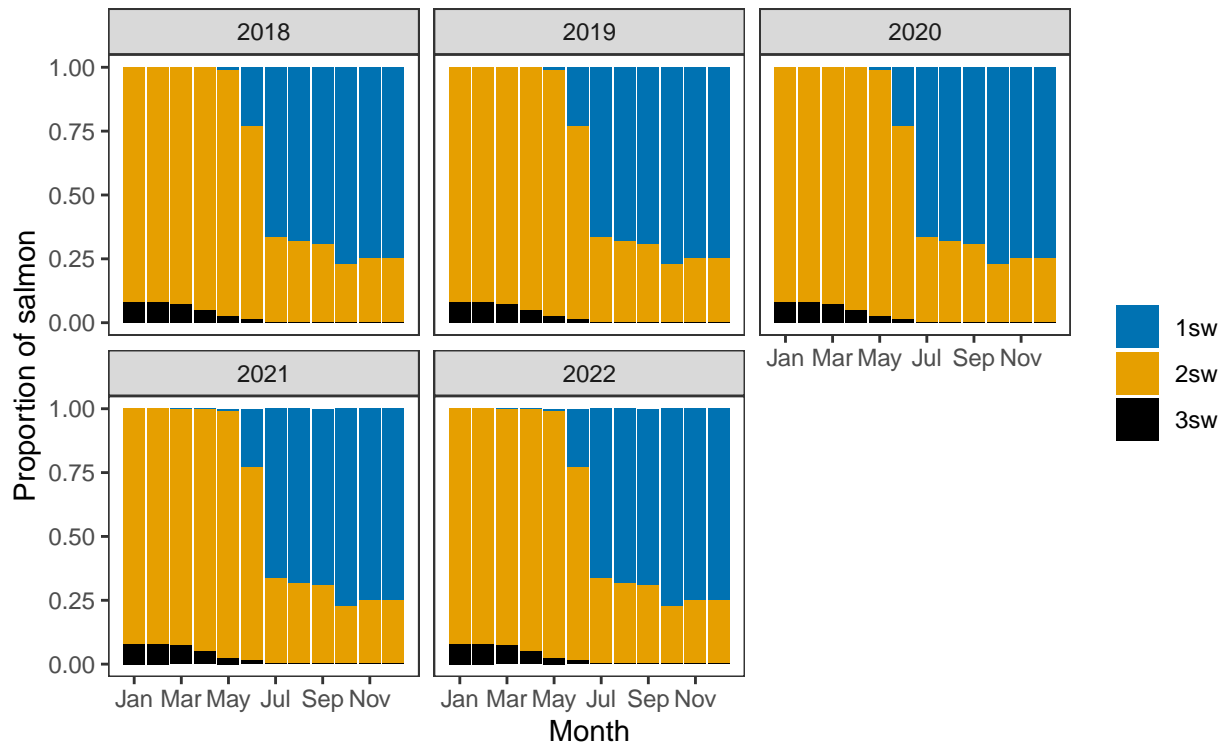
Plot shows 50, 70 and 90% of the estimates (wide to narrow bars).

*Annual catch as a proportion of stock*

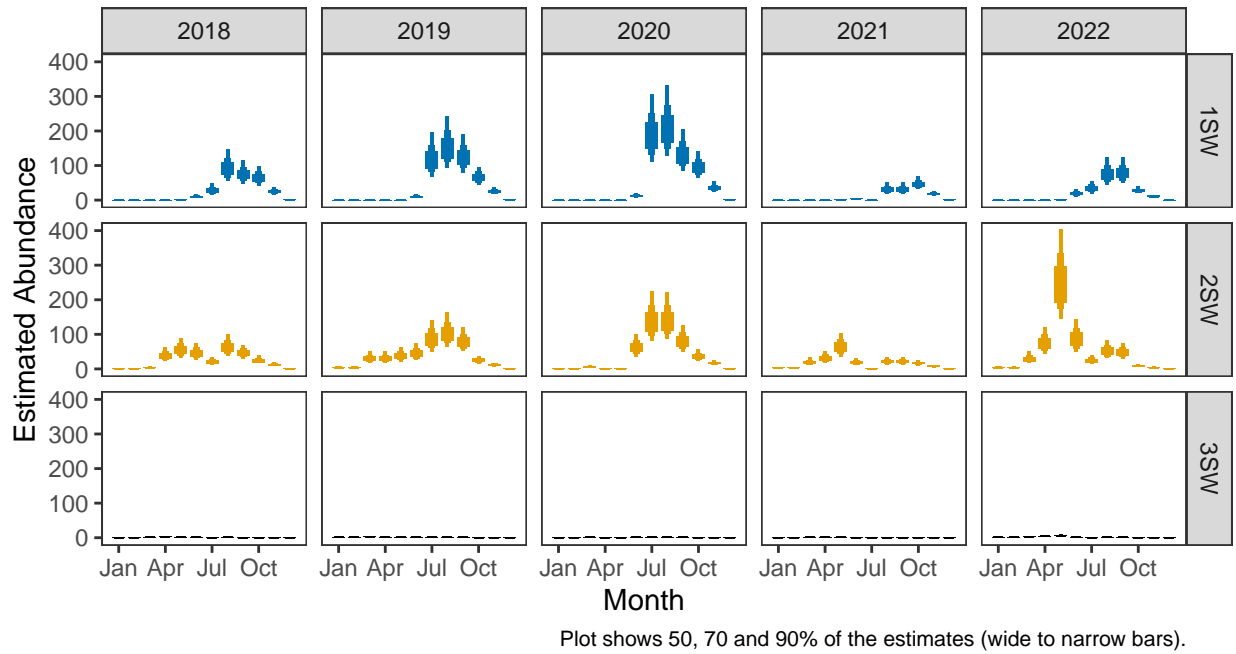


**2. Converting Numbers of Returning Salmon to Numbers of Spawning Females**

*Ages of fish*

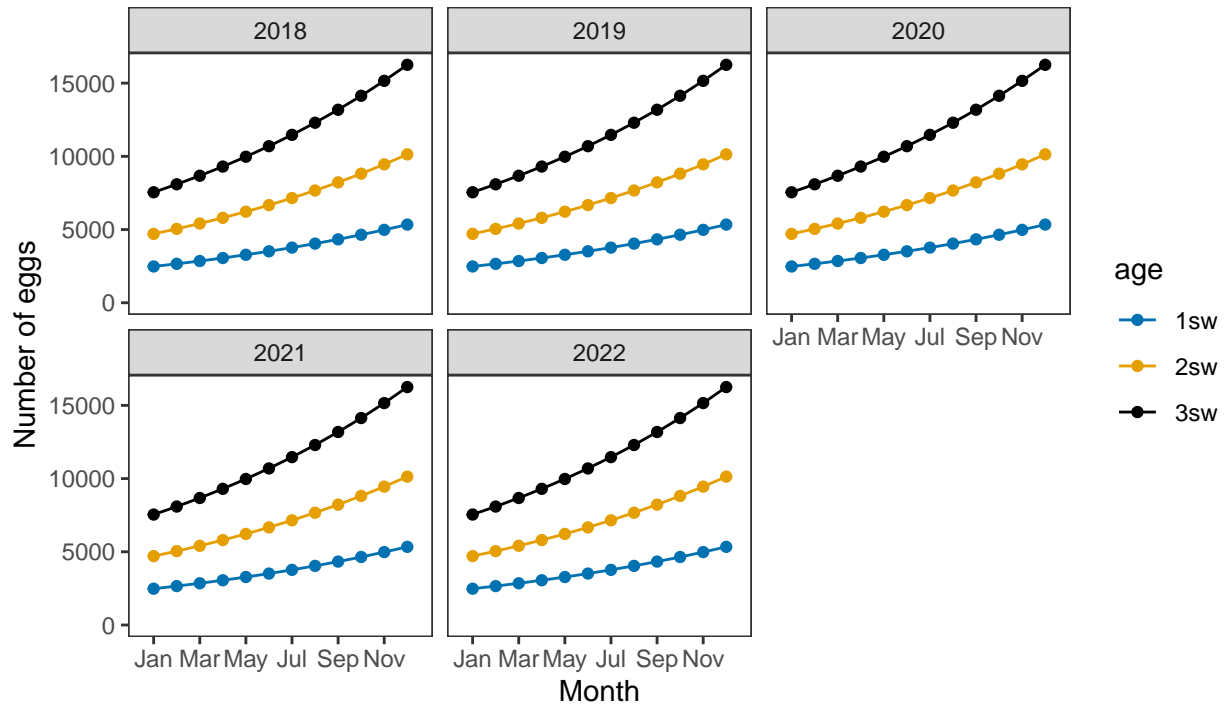


*Monthly number of spawning females*

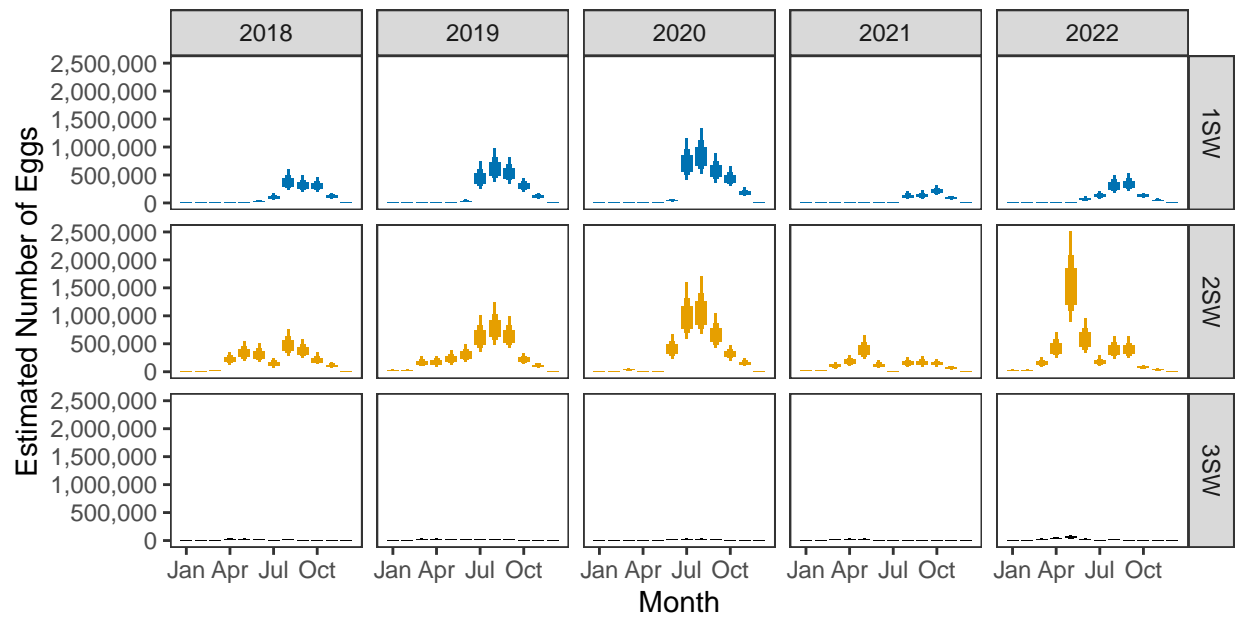


**3. Converting Number of Spawners to Number of Eggs**

*Egg contents of females*

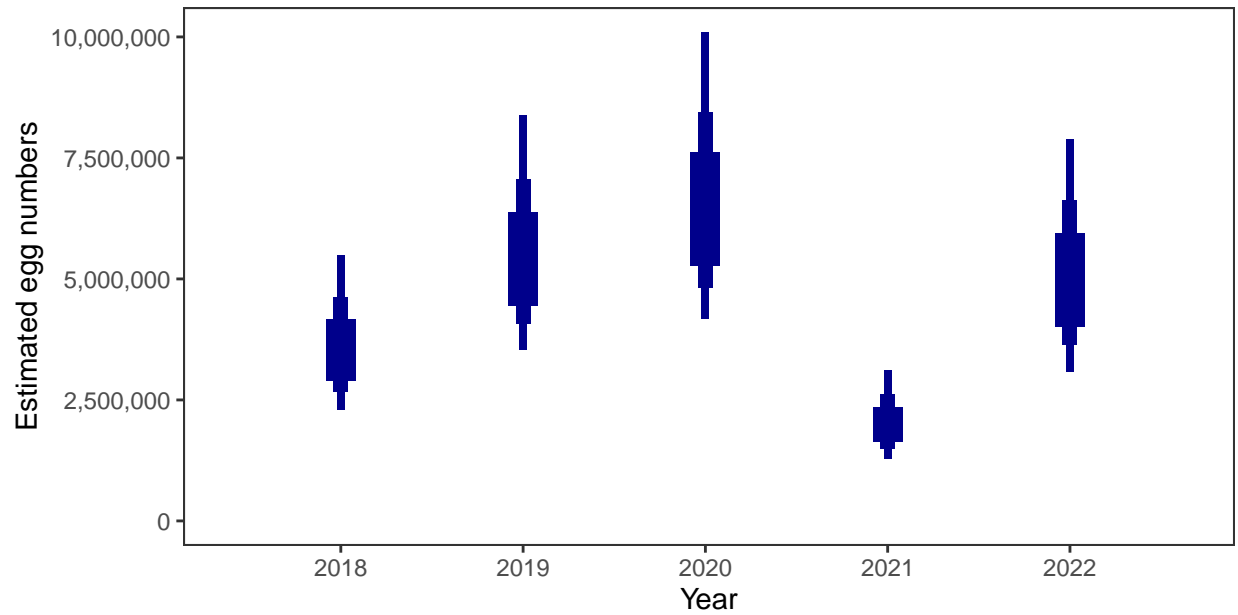


*Monthly number of eggs*



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).

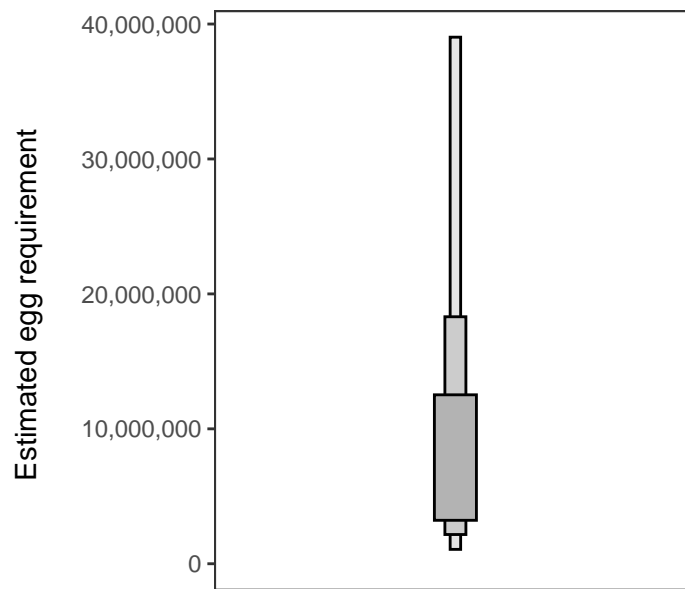
Year	Percentage above
2018	27.81
2019	43.37
2020	49.90
2021	13.81
2022	39.94

#### 4. Egg requirement

##### *Areas of salmon habitat in square meters*

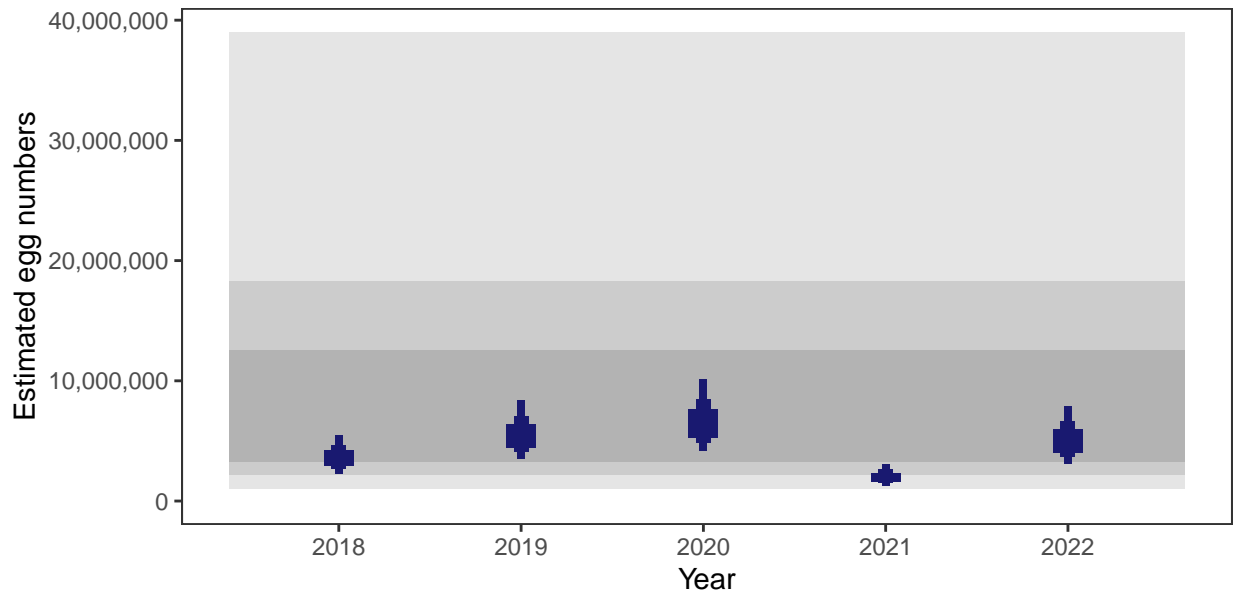
There is an estimated 4,119,796 square meters of known salmon habitat in the River Annan and a further 365,158 square meters where salmon may be present.

##### *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



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)