

## **Annex 3. Rod and net catches; and juvenile salmon and trout data**

This Annex presents a catchment by catchment summary of the net and rod catch statistics for all of the principal salmon and sea trout rivers. It also presents the results of the juvenile salmonid monitoring programme for the 32 surveyed catchments in Wales. A Wales-wide summary is also shown of the rod catches and juvenile salmonid populations and trends. Details of how these data are collected are given below.

### **Nets**

Net (and rod) licencees in E&W have a statutory duty to submit annual catch returns.

For net fisheries this includes daily information on tides fished, the number of salmon and sea trout caught and their individual weights. Since the introduction of carcass tags in 2009 to control the sale of illegally caught fish, these details have had to be recorded in a log book along with the number of the carcass tag applied to each fish.

Net catch records (1975 to 2015) for salmon and sea trout are given here where a fishery is or was active on a river. Numbers are from the official reported catch, and no correction is made for under-reporting or illegal fishing.

### **Rods**

A national rod licence for salmon and migratory trout has been in place in E&W since 1994. This and an associated catch return and reminder system has operated since that time and is one of the most consistent and comprehensive catch recording systems in Europe. The national catch recording system replaces a series of regional and river based systems of variable quality – some of which extend back to the 1900s or earlier.

The national catch recording system provides information on each fish caught as well as the activity of fishermen. This includes:

- weight of individual fish
- whether killed or released
- date and river of capture
- method of capture (fly/spin/bait)
- total number of days fished each season

Rod catch records for salmon and sea trout given here are from 1975 to 2015; they are declared catches from licence returns and are not corrected for under-reporting. The exception to this is the river Wye, where owners' returns are used due to a more complete record. Catch and release has only been reported since 1993, figures before this date are for total catch - killed and released.

## Juvenile salmonid classifications 2016

The monitoring programme comprises

- Temporal surveys - a number of fixed sites surveyed annually;
- and Spatial surveys – considerable more sites spread across the catchment and surveyed every 6 years as a “snapshot” of fish populations.

The number of sites in the temporal and spatial programmes varies between catchments and is related to the size of the catchment.

Densities calculated from quantitative (3 run catch depletion) and semi-quantitative (single run) surveys are used to assign a classification for salmon fry (0+) and parr (>0+) and for trout fry (0+) and >0+ (parr and adults combined) at each site, from A – Excellent through to F – Fishless. The National Fish Classification (NFC) evaluates and compares the results of fish population surveys in a consistent manner; ranking survey data by comparing fish abundance at the survey sites with sites nationally where juvenile salmonids are present. The following table shows the values and classification of NFC.

Grade	Descriptor	Interpretation
A	Excellent	In the top 20% for a fishery of this type
B	Good	In the top 40% for a fishery of this type
C	Fair	In the middle 20% for a fishery of this type
D	Fair	In the bottom 40% for a fishery of this type
E	Poor	In the bottom 20% for a fishery of this type
F	Fishless	No fish of this type present

The maps below show the results of the routine juvenile salmonid population surveys from 2016.

## Catchment population trends

The graphs show a simple comparison of average salmon and trout densities across the catchments since 2002; this is only shown for catchments with at least 4 annual monitoring sites. The data used are only from surveys of the same methodology at sites in the current Welsh monitoring programme. It is not necessarily the case that every site in the programme was done every year.

A linear trend analyses using Minitab was carried out on each of these catchments and a statistical significance attached. The linear model fits a straight line to the data in order to determine whether a trend (upwards or downwards) is present in fish numbers over the timeframe. The statistical significance of the trend is denoted by the P value,  $P < 0.05$  indicates statistical significance (where there is >95% confidence that the trend is not due to chance). The graphs presented show the trend line with associated confidence intervals.

## Know Your Rivers Reports

For catchment specific information on fisheries statistics, including action plans, please refer to the [Know Your Rivers](#) reports on the Natural Resources Wales website.

## 2016 juvenile salmonid population survey results

Routine monitoring in 2016 revealed fry numbers, especially young salmon hatched in the spring of 2016 at critically low levels on a number of principal catchments. These were rivers which had previously produced consistent salmon fry numbers.

The maps (Figs 1a and 1b – salmon; 2a and 2b – trout) and Table 1 below show a comparison of these 2016 juvenile survey results as compared to the 5-year average. The raw densities for sites in each catchment can be seen further on in this Annex.

Many of these catchments only have 1 or 2 survey sites, and so certainty around trends is reduced, especially for example on the Rhymney where any variation in the very low numbers of salmon caught may result in big percentage differences

Table 1 - 2016 juvenile salmon and trout results compared to the 5-year average

River	Salmon		Trout		No of Sites
	0+	>0+	0+	>0+	
Aeron	-93%	-49%	-65%	1%	2
Afan	-47%	-5%	-80%	-13%	2
Cleddau (East)	-100%	-100%	-69%	-38%	2
Cleddau (West)	-43%	-31%	-94%	-30%	2
Clwyd	-100%	-89%	-89%	12%	5
Conwy	-80%	-28%	2%	-25%	4
Dee	-44%	-10%	-21%	4%	11
Dwyfawr	-46%	-84%	-36%	-85%	1
Dwryd	-49%	-47%	-65%	208%	1
Dyfi	-95%	-43%	-7%	-18%	4
Ely	-90%	-34%	-64%	62%	1
Erch	-100%	-100%	57%	44%	1
Glaslyn	-7%	70%	-32%	307%	1
Gwendraeths	-100%	-100%	-84%	-22%	2
Loughor	-100%	-100%	-69%	-12%	1
Mawddach	-80%	-45%	-28%	68%	2
Neath	-100%	-100%	17%	-39%	2
Nevern	-93%	-4%	-37%	98%	2
Ogmore	-73%	-70%	-77%	-33%	2
Ogwen	-43%	-43%	-31%	-30%	1
Rhiedol	-100%	0%	-43%	150%	1
Rhymney	983%	400%	-13%	16%	2
Seiont	11%	-3%	-12%	-30%	1
Severn	-55%	11%	-53%	3%	16
Taf	-66%	-3%	-47%	-4%	4
Taff	-100%	-100%	25%	-49%	1
Tawe	102%	13%	-44%	-46%	2
Teifi	-86%	-33%	-33%	25%	6
Tywi	-82%	-49%	-81%	-16%	13
Usk	-97%	-52%	-67%	-22%	13
Wye	-58%	-51%	2%	5%	24
Ystwyth	-100%	-100%	-63%	79%	2

Annex 3. Rod and net catches; and juvenile salmon and trout data

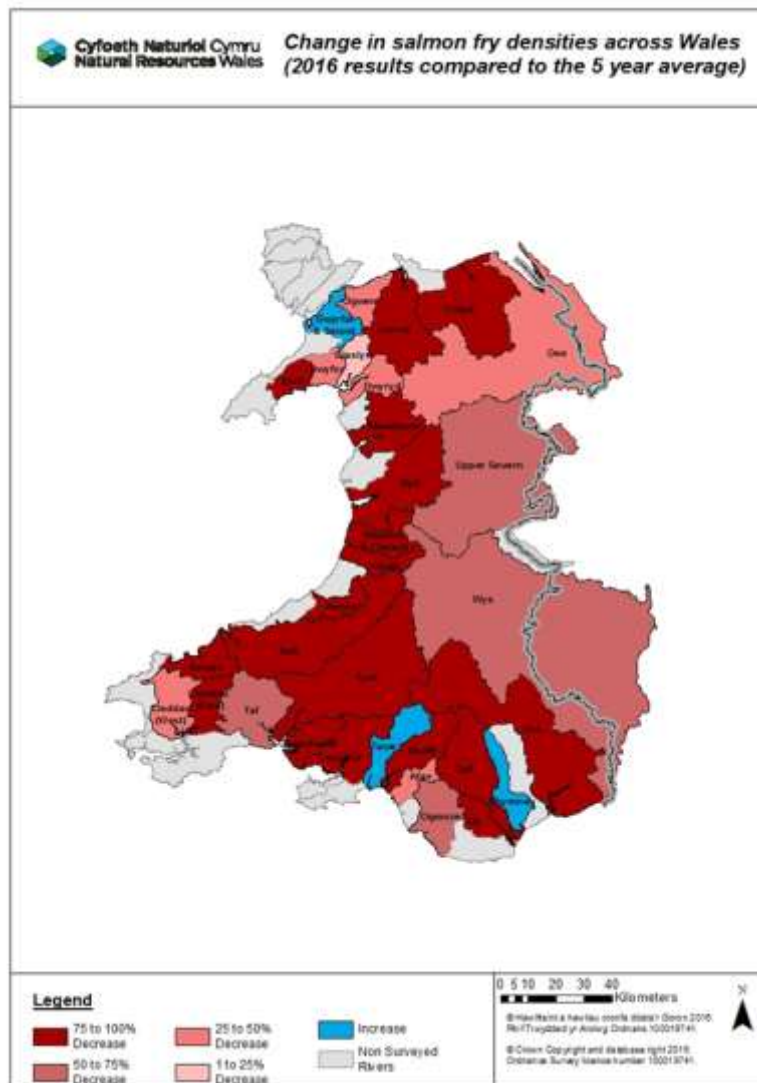


Figure 1a – Change in salmon fry density

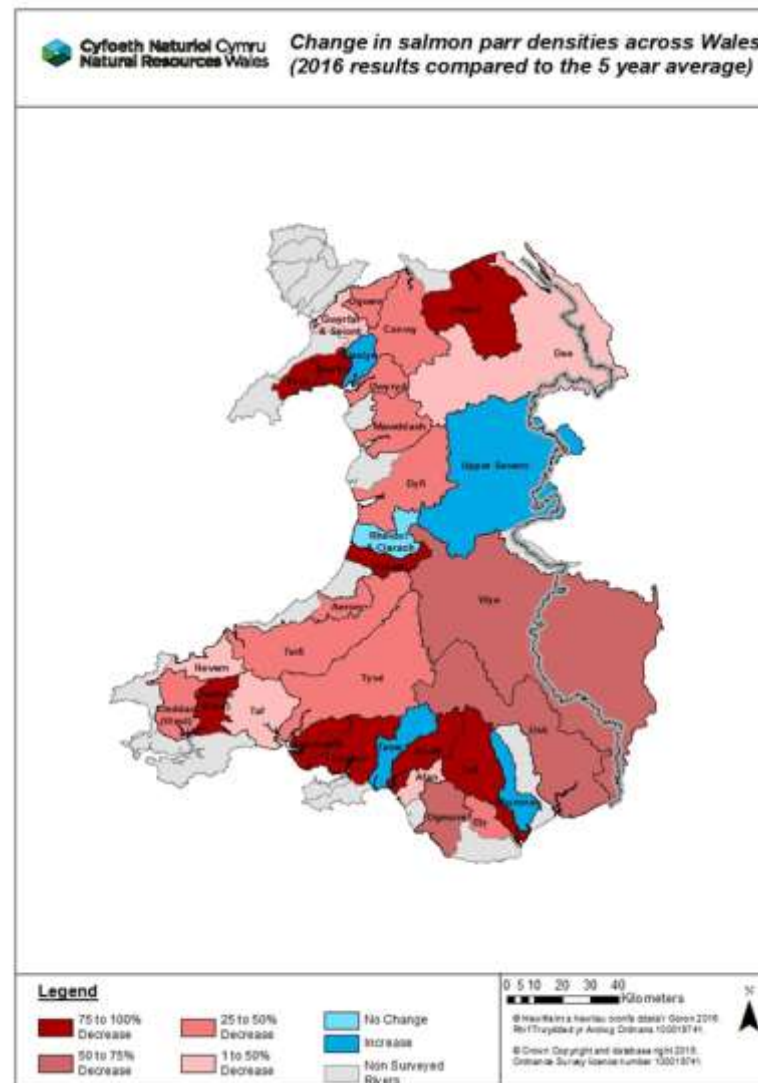


Figure 1b – Change in salmon parr density

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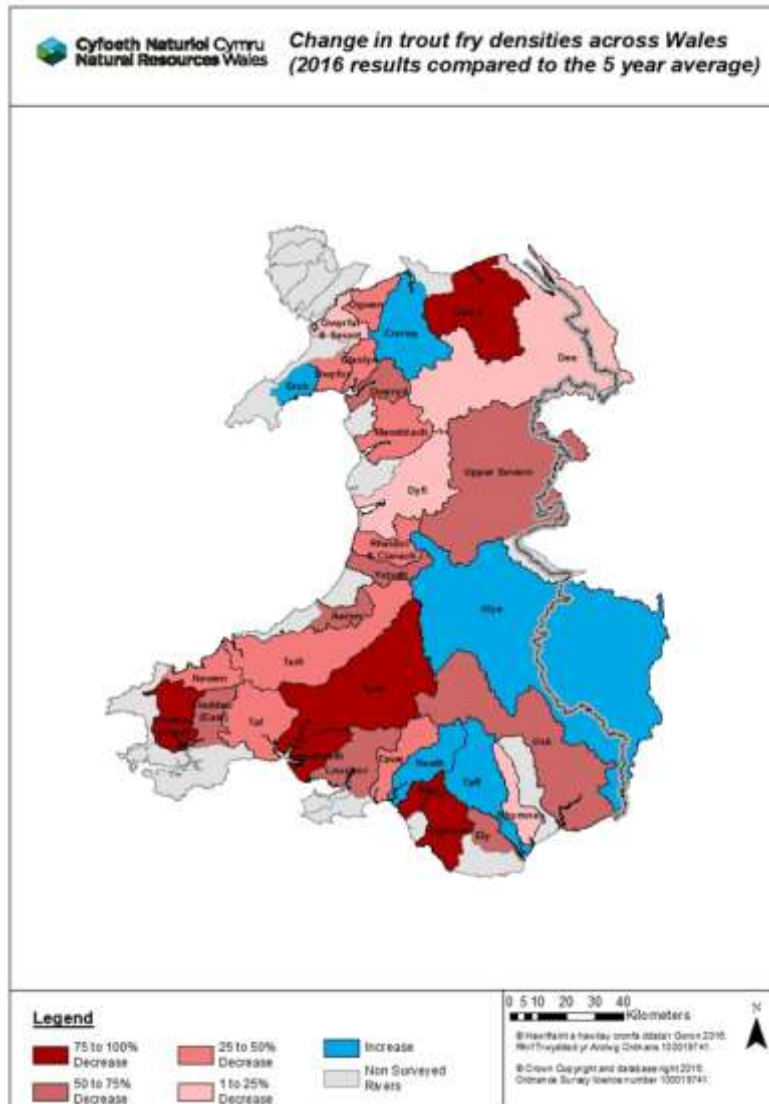


Figure 2a – Change in trout fry density

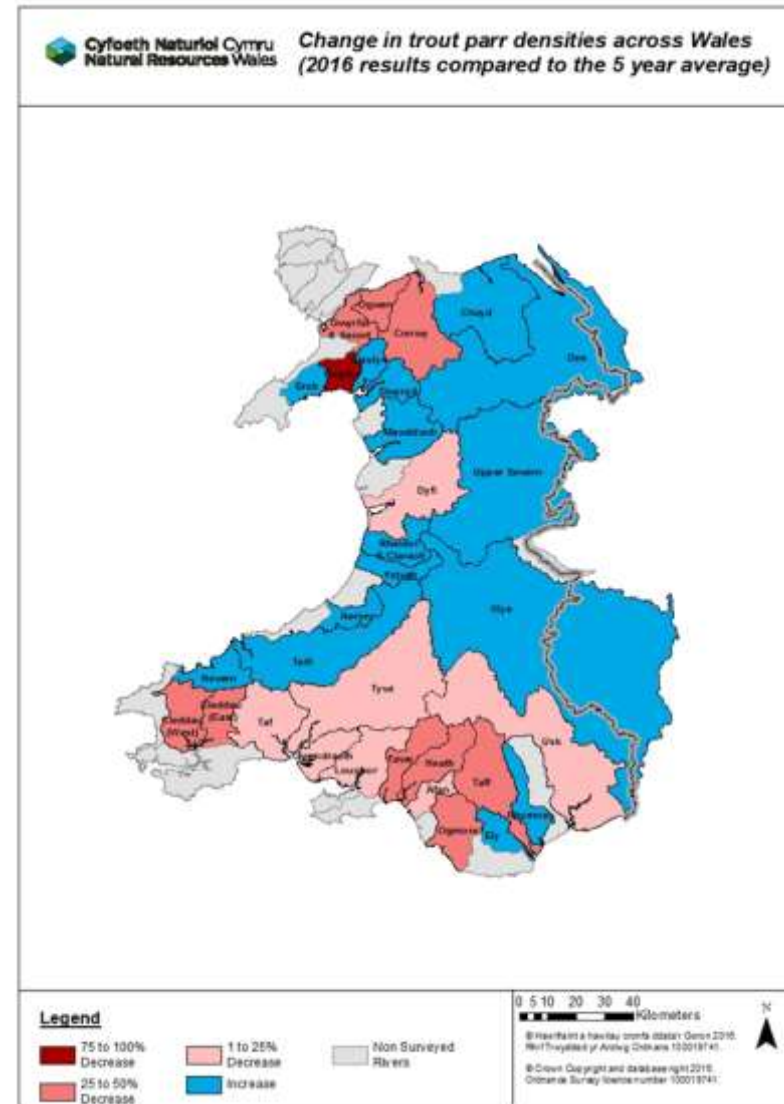
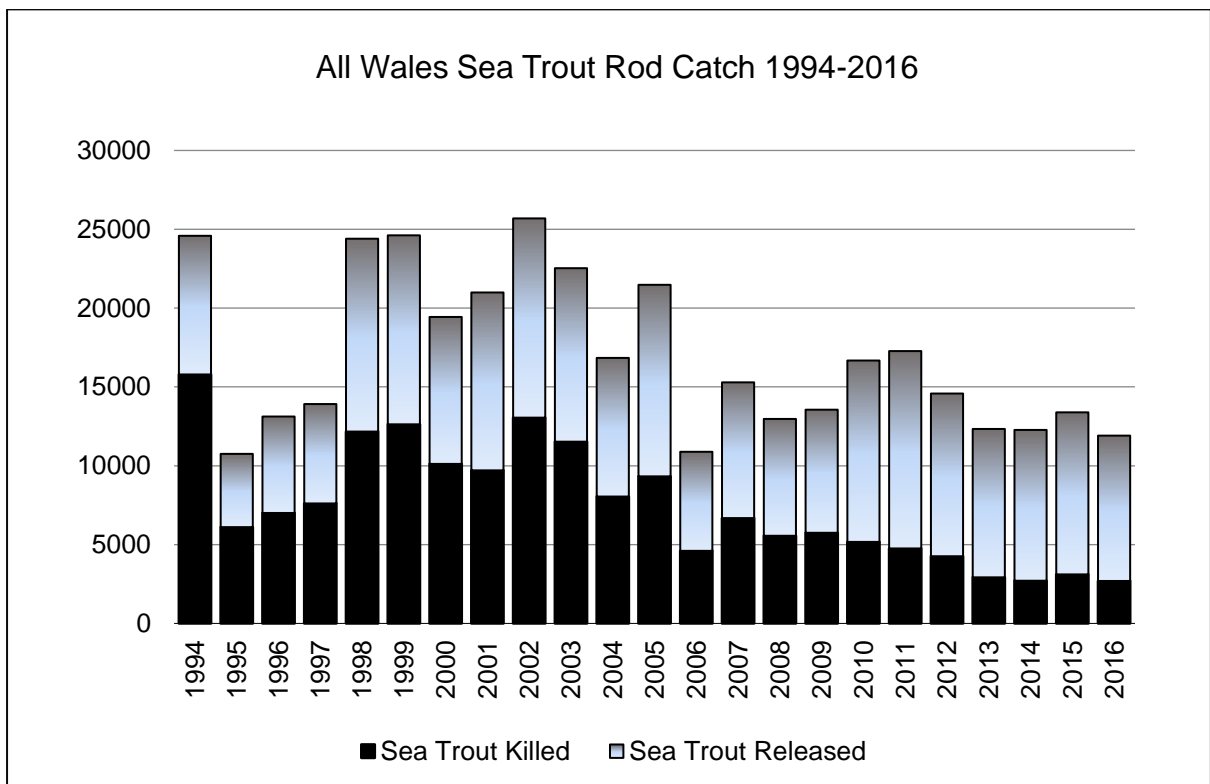
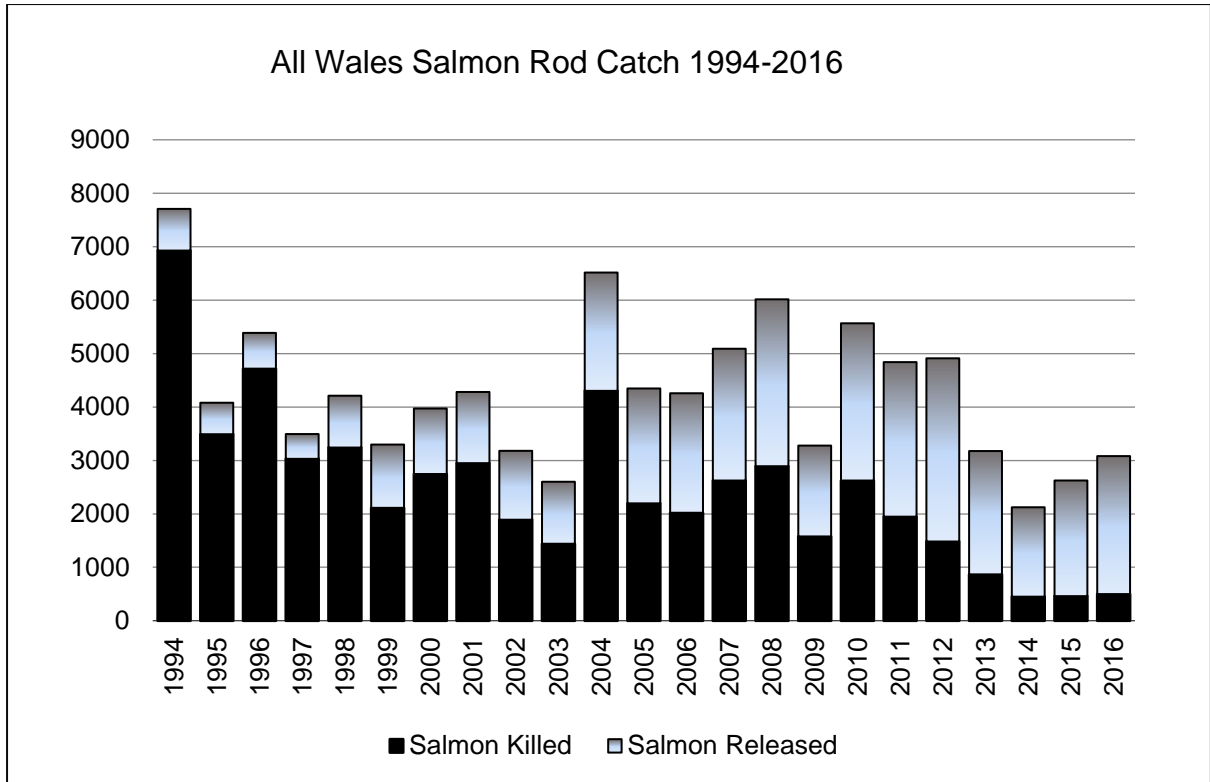
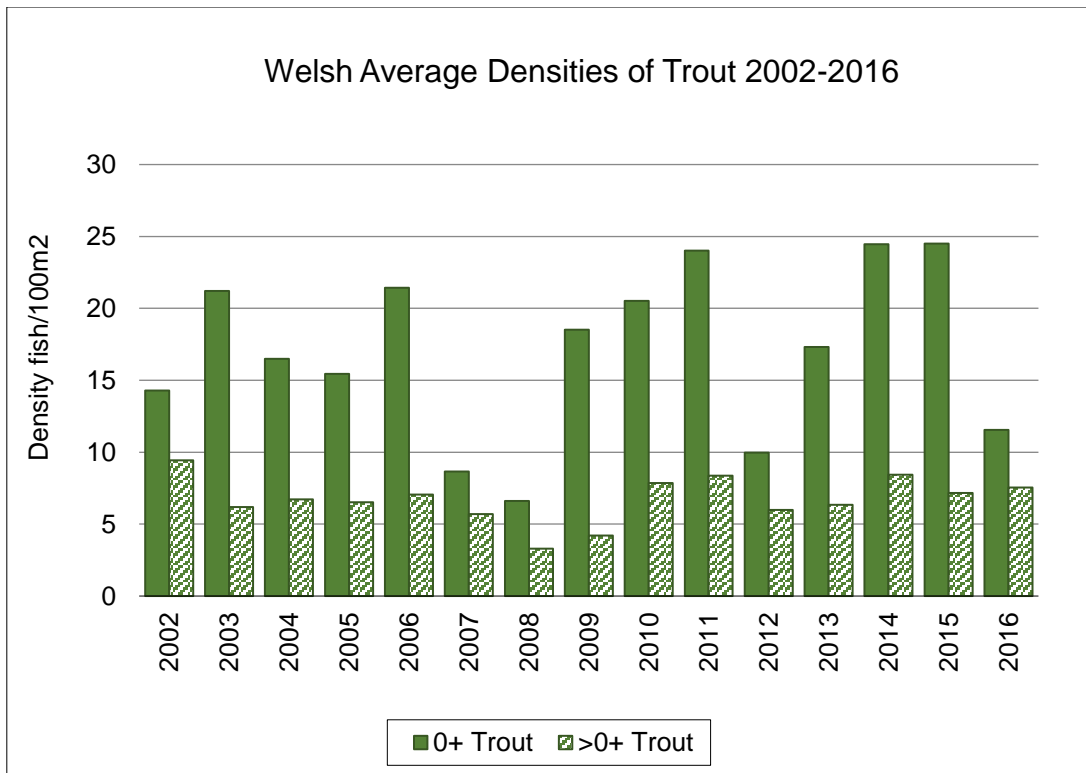
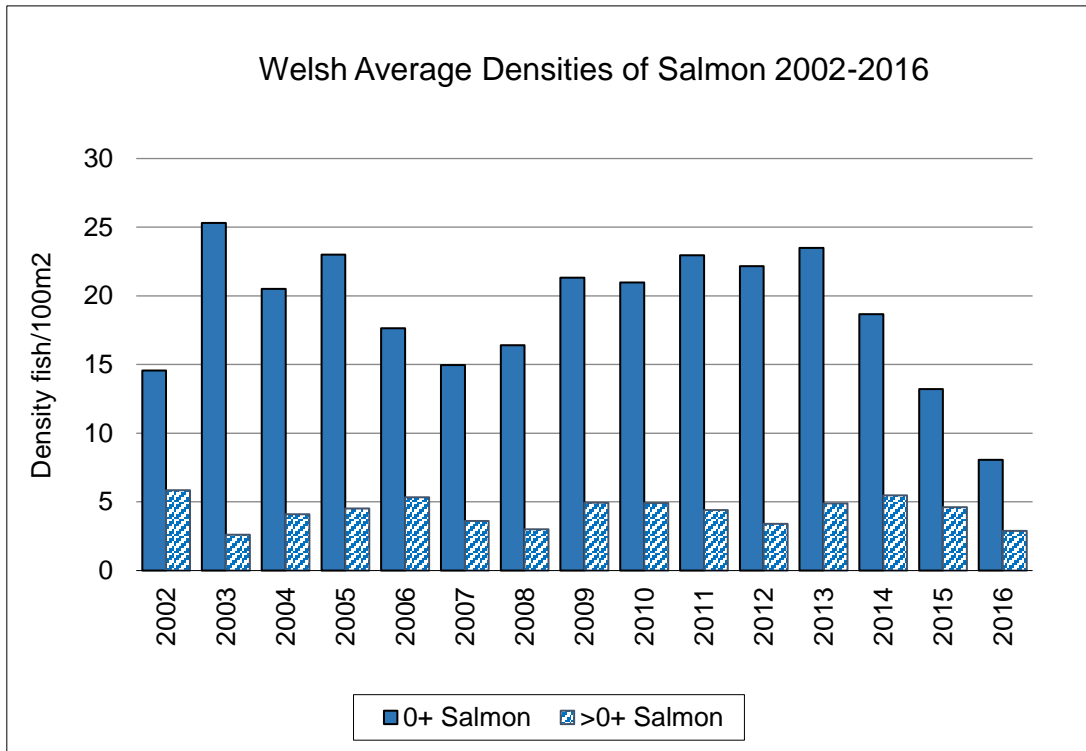


Figure 2b – Change in trout parr density

# All Wales

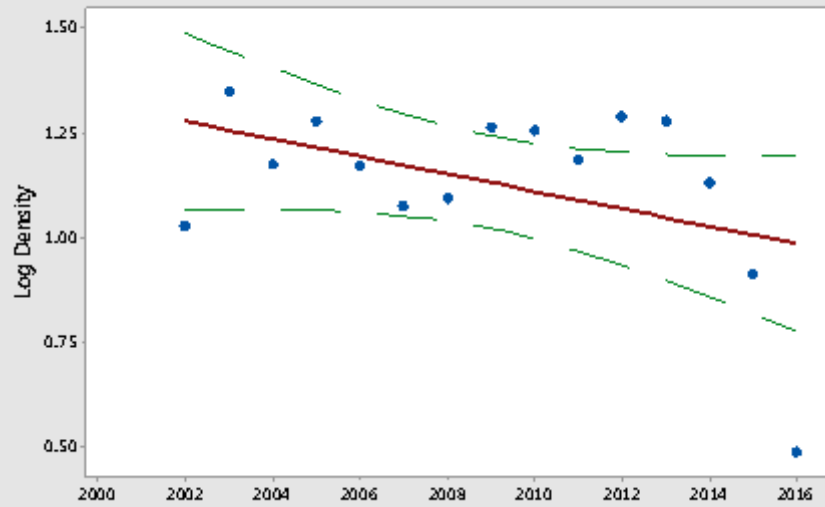


# All Wales



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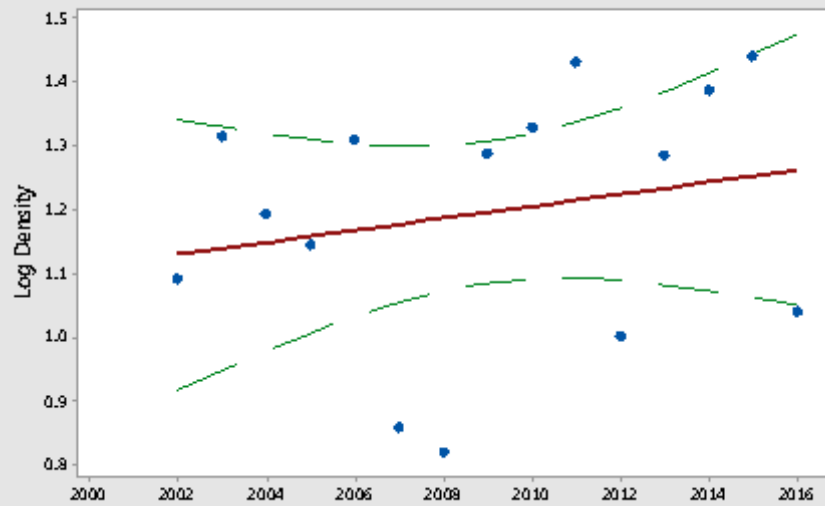
Welsh salmon fry trend analysis (P = 0.101)



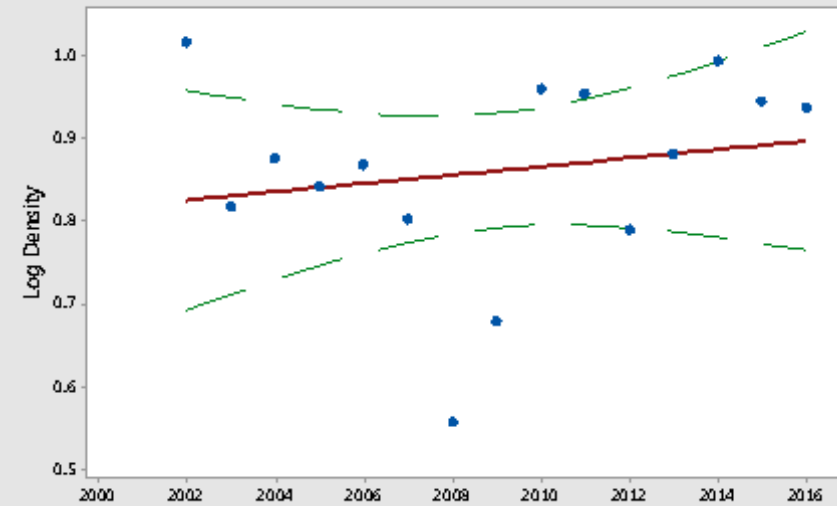
Welsh salmon parr trend analysis (P = 0.716)



Welsh trout fry trend analysis (P = 0.442)

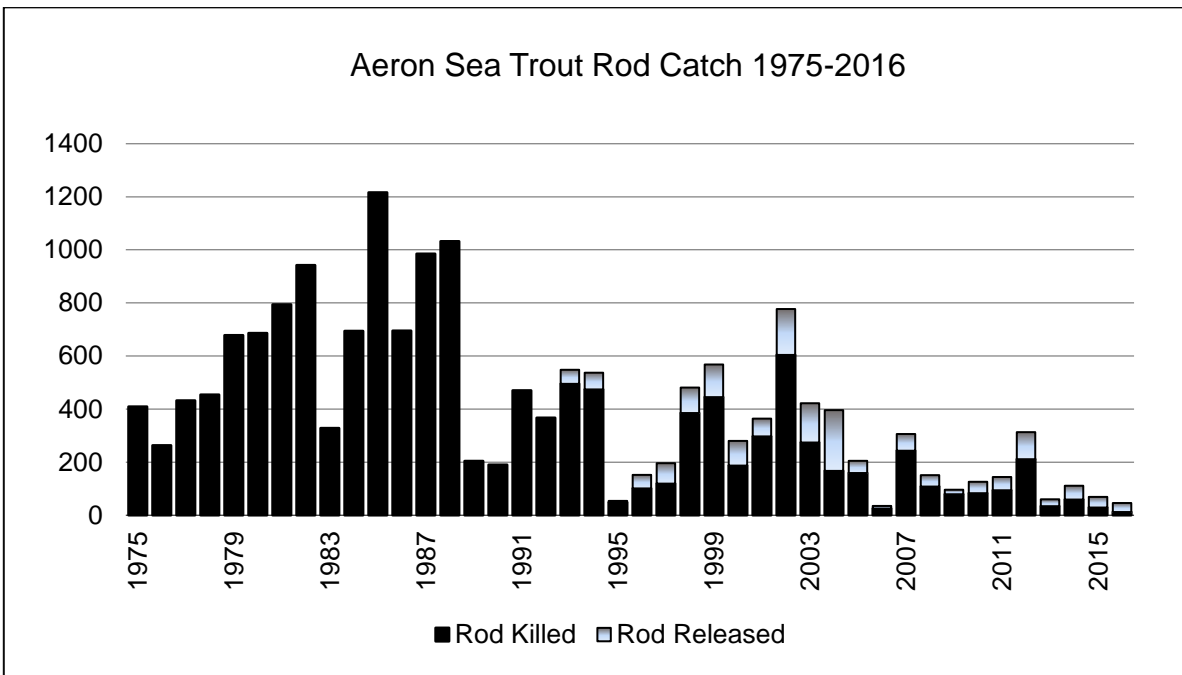
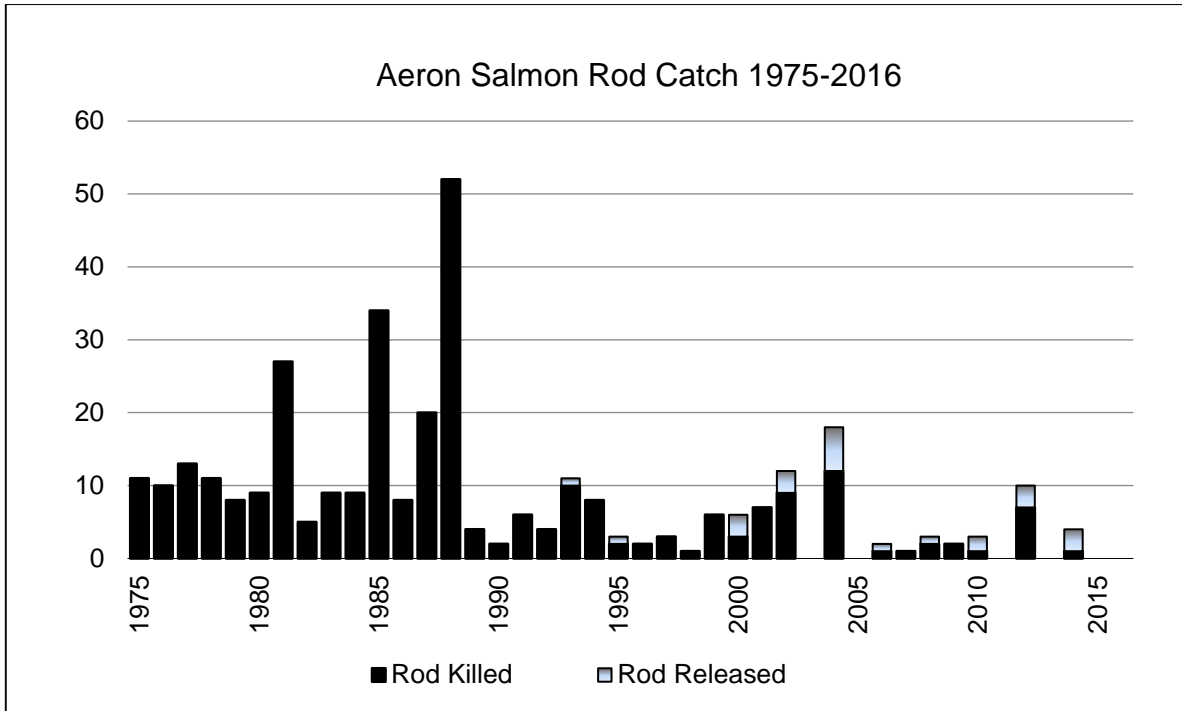


Welsh trout parr trend analysis (P = 0.506)



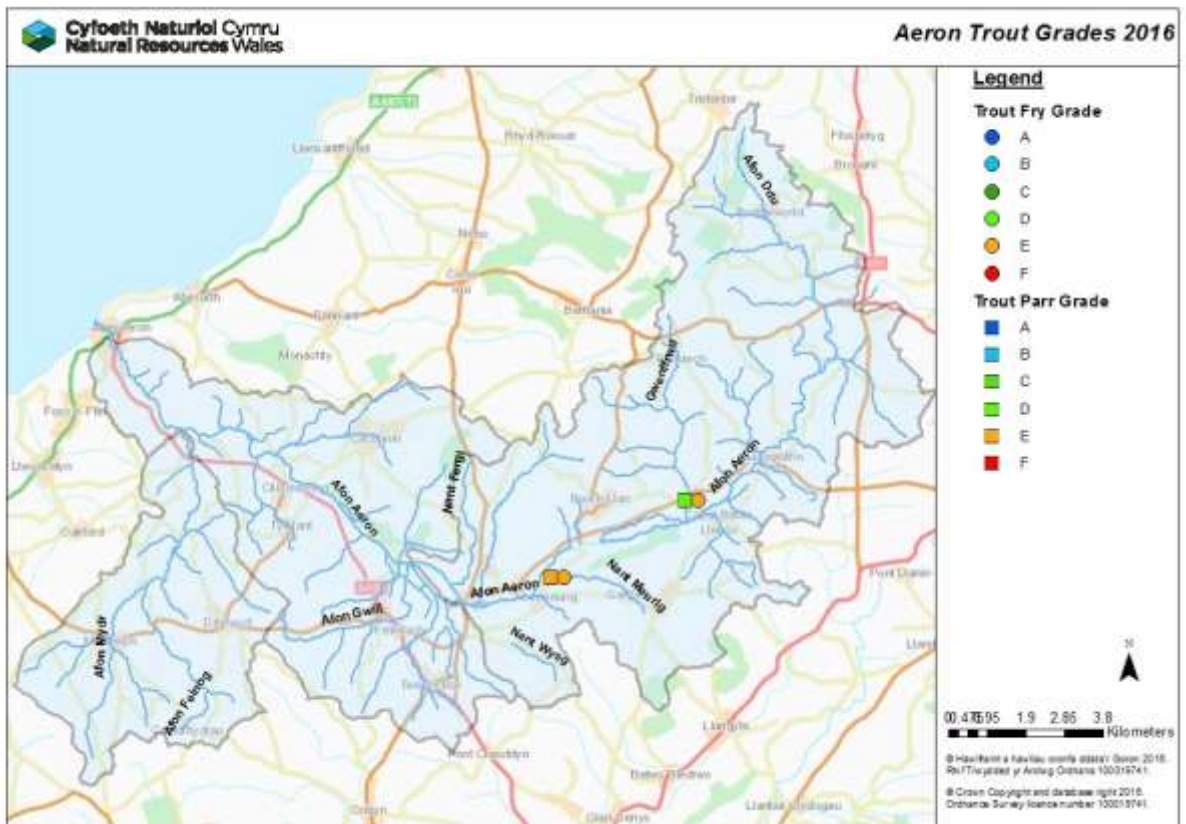
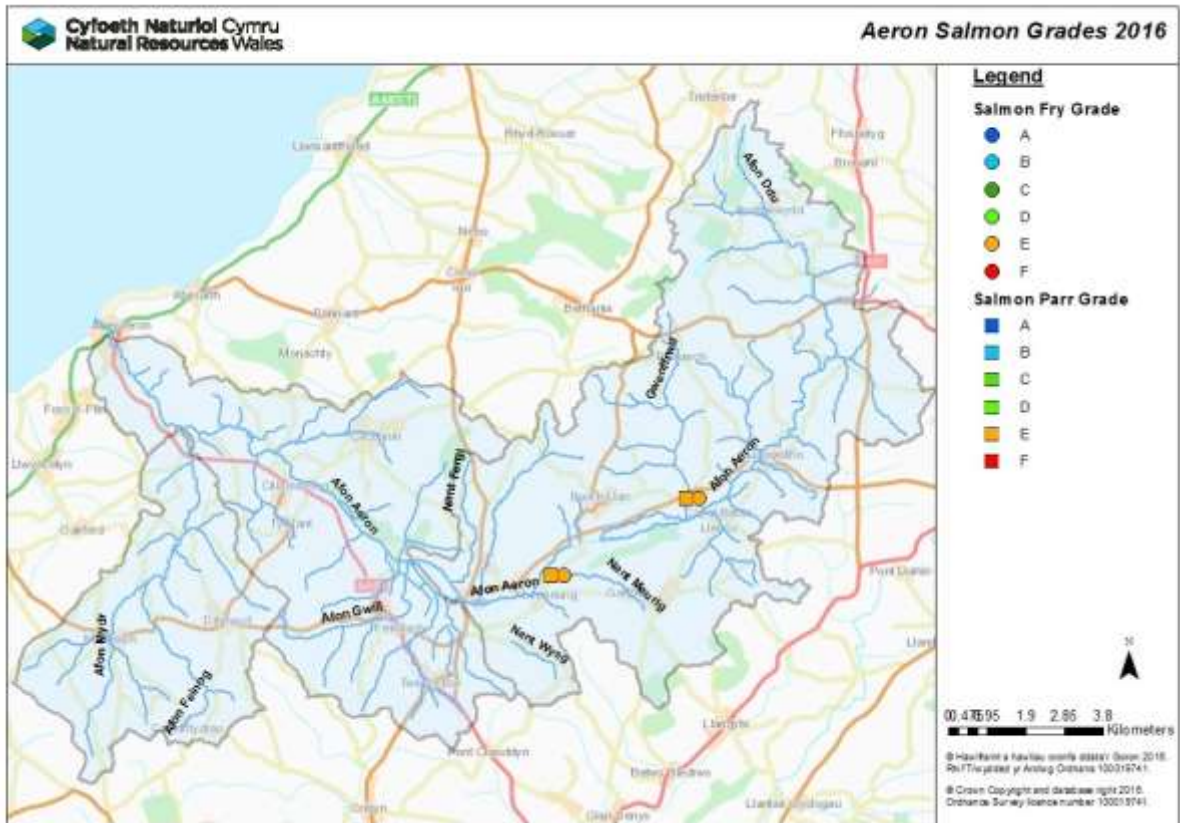


# River Aeron



There is no salmon or sea trout net fishery on the Aeron

# River Aeron



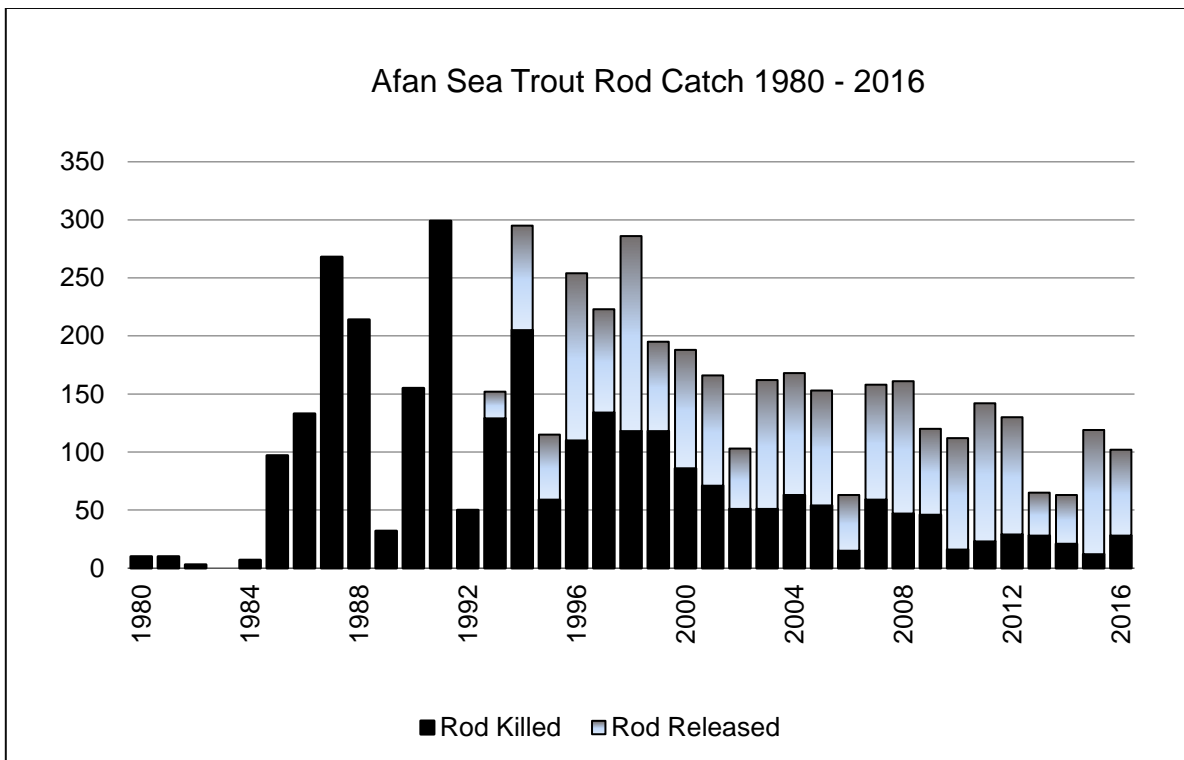
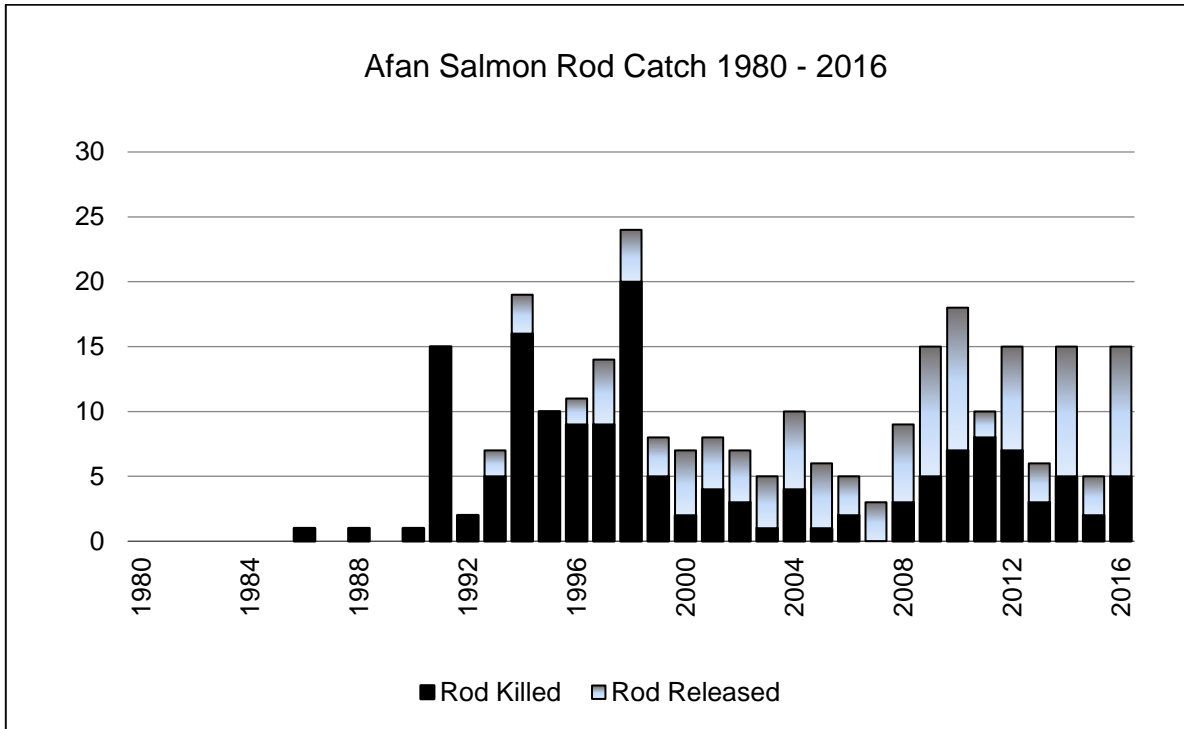
# River Aeron

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Aeron - AE01	58.7	0.0	65.9	4.8	10.0	10.8	20.0	2.9	0.0	0.8	1.4	2.1	30.9	3.9	+	152%	-95%	-46%
Aeron - AE02	0.8	2.8	16.3	4.1	15.5	8.4	1.9	5.7	5.9	0.0	1.2	2.0	8.1	4.2	-80%	+	-85%	-52%
<b>Average</b>	<b>29.8</b>	<b>1.4</b>	<b>41.1</b>	<b>4.5</b>	<b>12.8</b>	<b>9.6</b>	<b>10.9</b>	<b>4.3</b>	<b>2.9</b>	<b>0.4</b>	<b>1.3</b>	<b>2.0</b>	<b>19.5</b>	<b>4.0</b>	<b>-56%</b>	<b>391%</b>	<b>-93%</b>	<b>-49%</b>

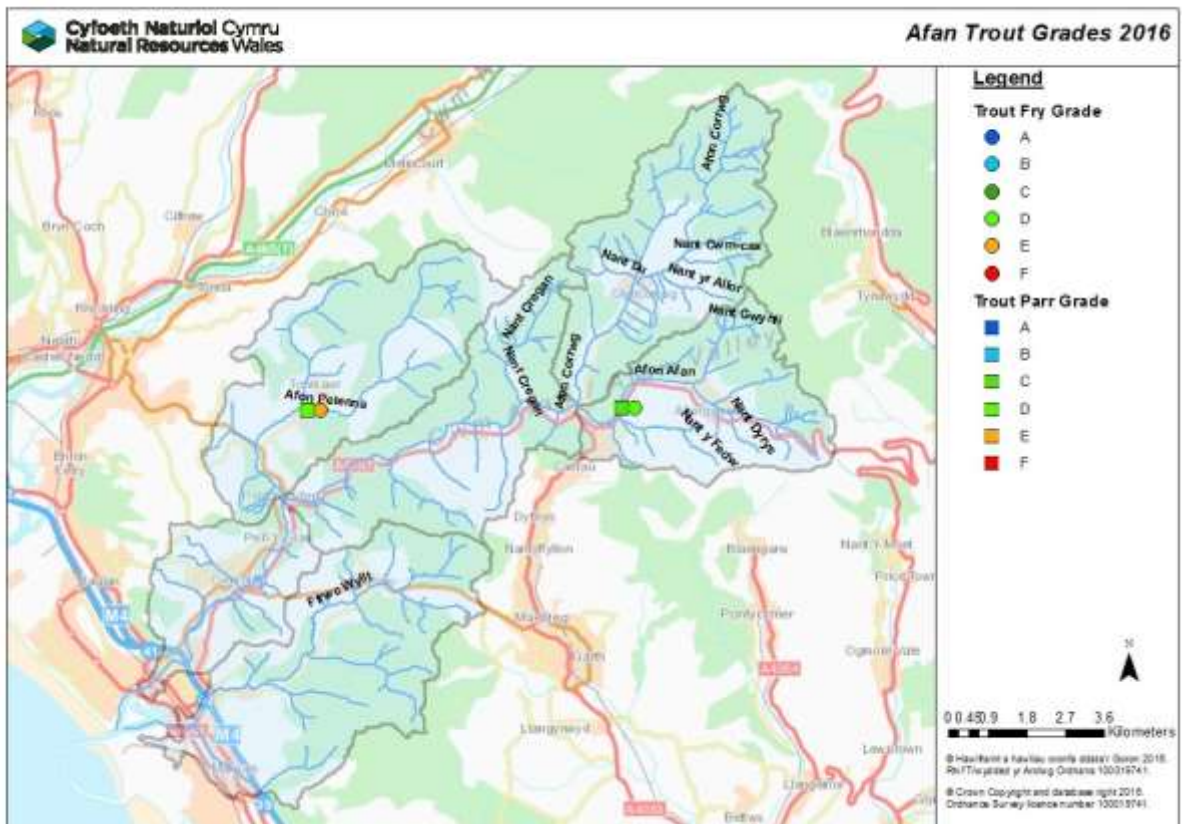
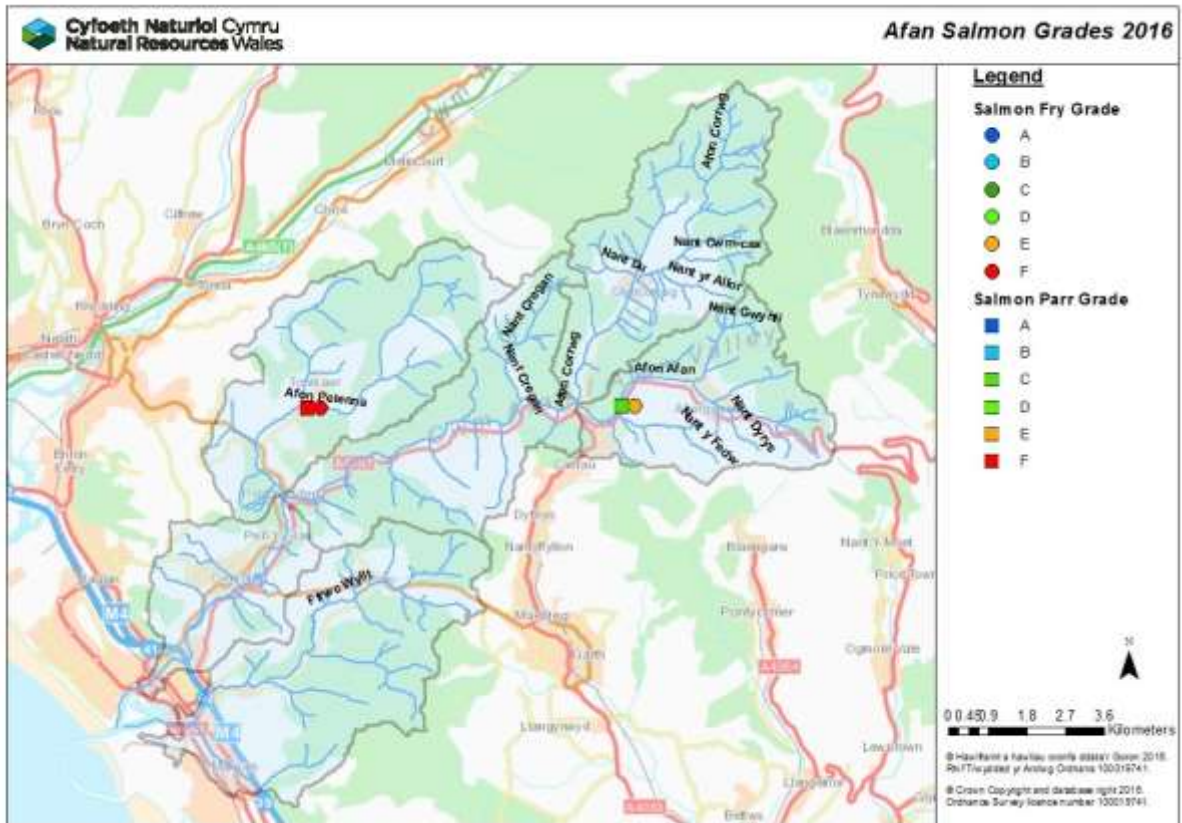
River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Aeron - AE01	40.0	4.5	13.3	10.9	42.5	16.7	35.7	11.4	41.7	2.5	16.1	5.6	34.6	9.2	-61%	124%	-54%	-39%
Aeron - AE02	43.6	8.0	12.9	8.2	34.7	5.6	45.3	8.3	27.5	9.0	7.2	11.6	32.8	7.8	-74%	28%	-78%	48%
<b>Average</b>	<b>41.8</b>	<b>6.3</b>	<b>13.1</b>	<b>9.5</b>	<b>38.6</b>	<b>11.1</b>	<b>40.5</b>	<b>9.9</b>	<b>34.6</b>	<b>5.8</b>	<b>11.6</b>	<b>8.6</b>	<b>33.7</b>	<b>8.5</b>	<b>-66%</b>	<b>49%</b>	<b>-65%</b>	<b>1%</b>

# River Afan



There is no salmon or sea trout net fishery on the Afan

# River Afan



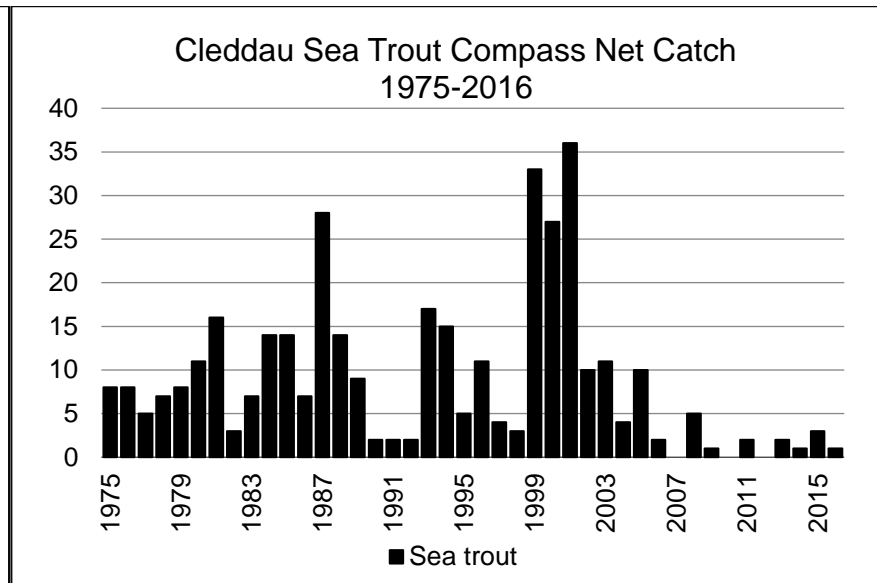
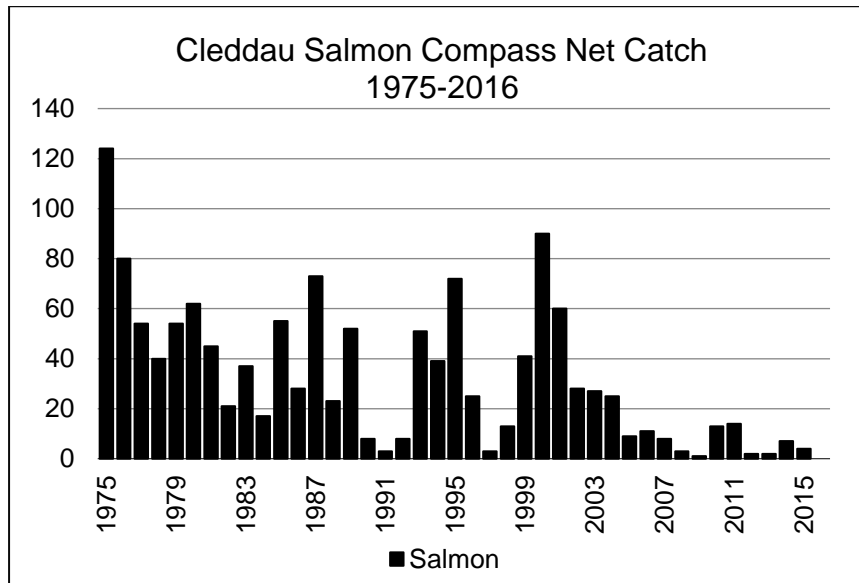
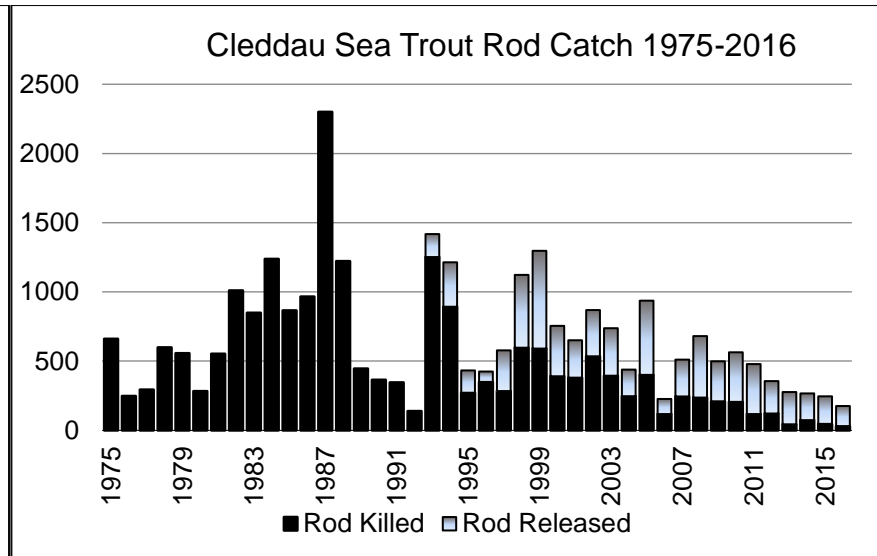
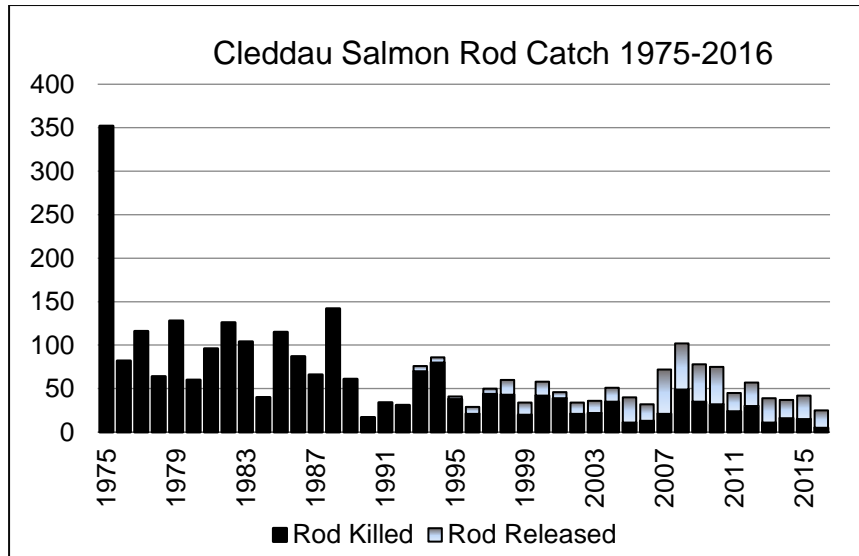
# River Afan

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

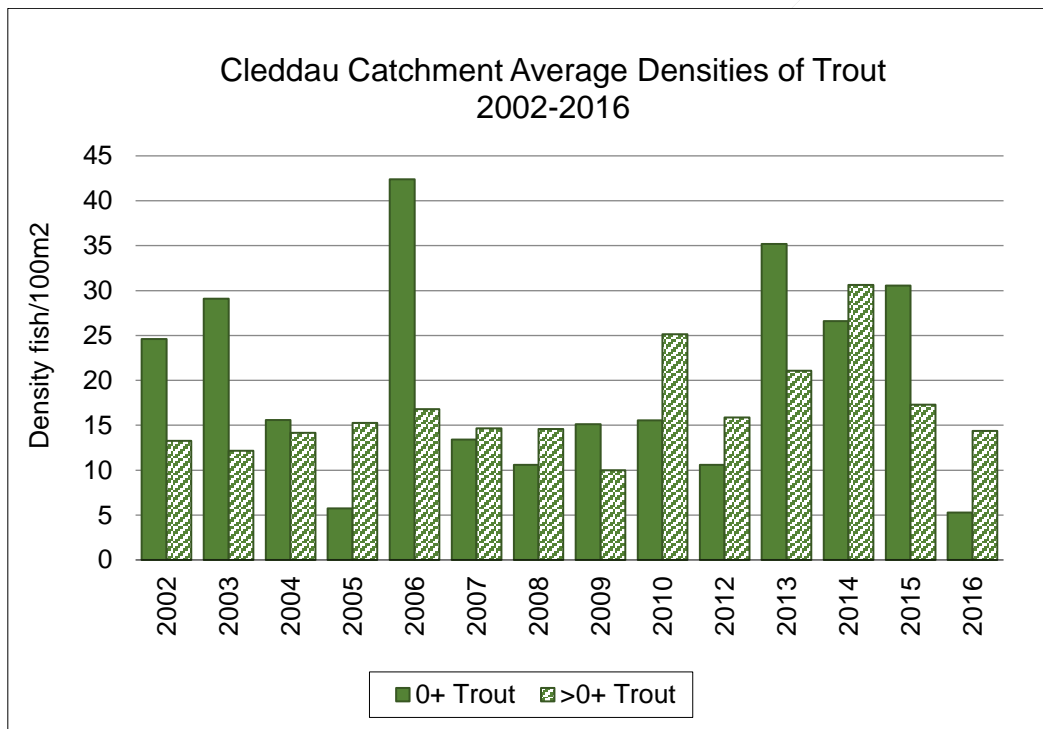
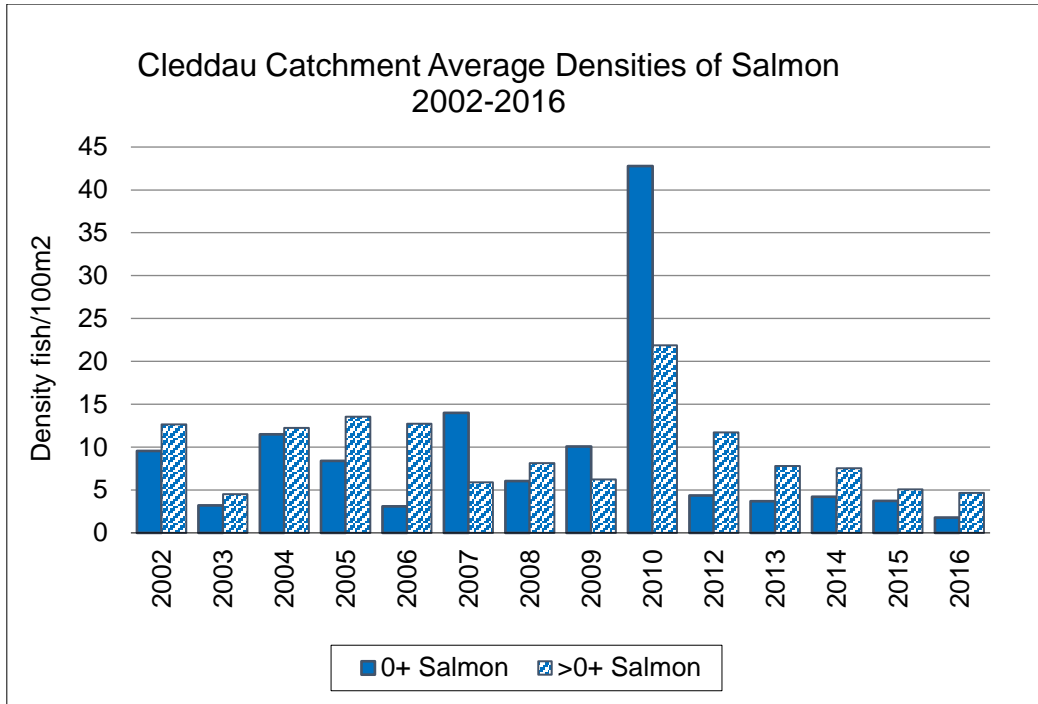
River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Afan - AF05	0.0	10.9	5.0	1.8	0.0	22.8	3.5	6.3	6.2	10.1	2.1	12.9	2.9	10.4	-66%	28%	-29%	24%
Pelenna - AF01					0.0	3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	1.1	0%	0%	0%	-100%
<b>Average</b>	<b>0.0</b>	<b>10.9</b>	<b>5.0</b>	<b>1.8</b>	<b>0.0</b>	<b>12.9</b>	<b>1.8</b>	<b>3.3</b>	<b>3.1</b>	<b>5.0</b>	<b>1.1</b>	<b>6.4</b>	<b>2.0</b>	<b>6.8</b>	<b>-66%</b>	<b>28%</b>	<b>-47%</b>	<b>-5%</b>

River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Afan - AF05	11.3	21.5	10.0	10.0	15.2	15.2	39.7	11.4	5.5	32.8	5.3	15.0	16.4	18.2	-5%	-54%	-68%	-18%
Pelenna - AF01					7.5	14.5	12.4	5.8	22.7	14.5	0.6	12.6	14.2	11.6	-97%	-14%	-96%	8%
<b>Average</b>	<b>11.3</b>	<b>21.5</b>	<b>10.0</b>	<b>10.0</b>	<b>11.4</b>	<b>14.9</b>	<b>26.1</b>	<b>8.6</b>	<b>14.1</b>	<b>23.7</b>	<b>2.9</b>	<b>13.8</b>	<b>14.6</b>	<b>15.7</b>	<b>-79%</b>	<b>-42%</b>	<b>-80%</b>	<b>-13%</b>

# Cleddau Rivers (Eastern and Western)

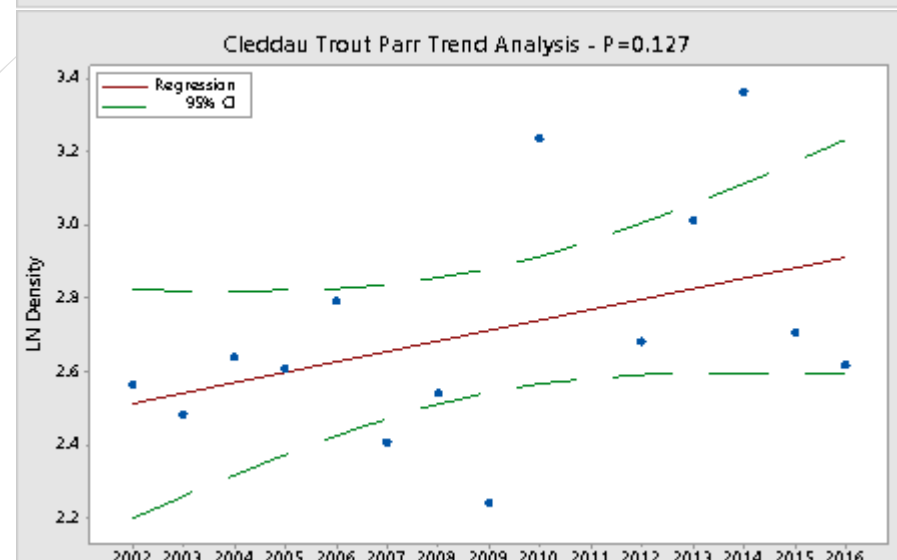
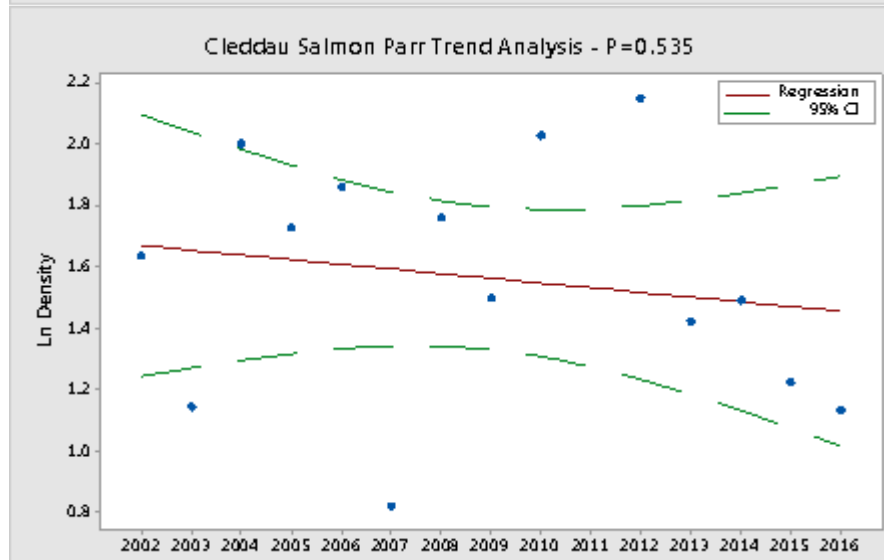
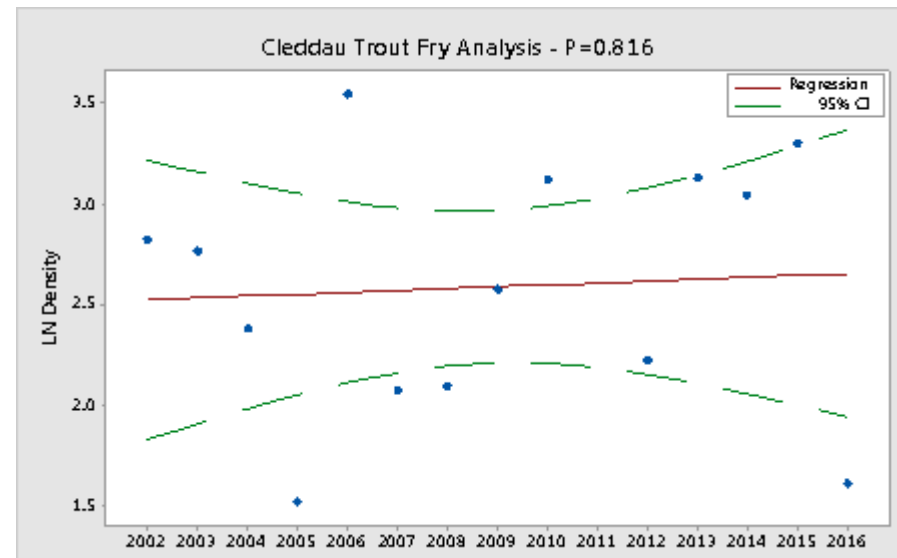
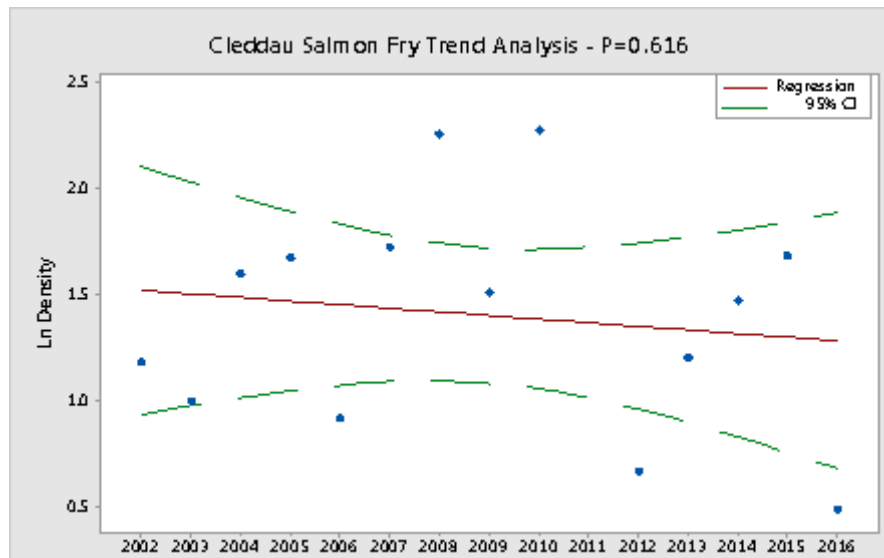


# Cleddau Rivers (Eastern and Western)

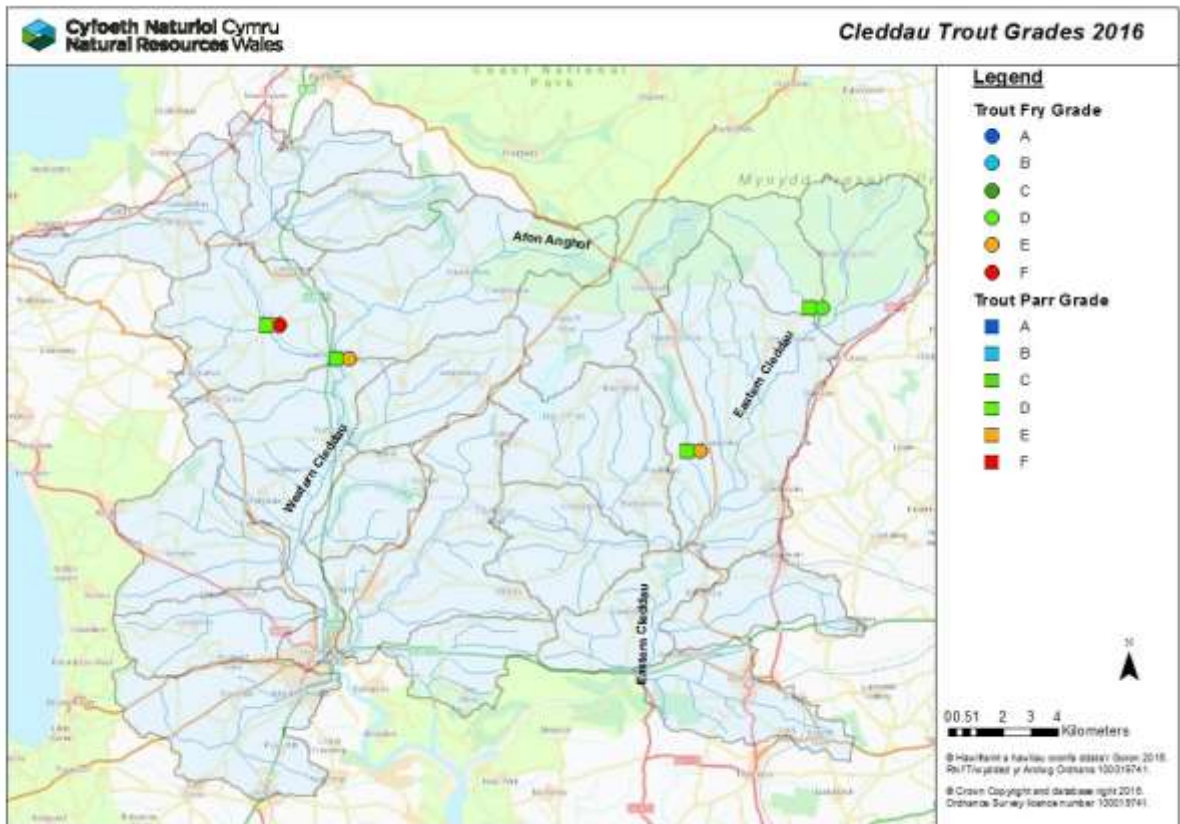
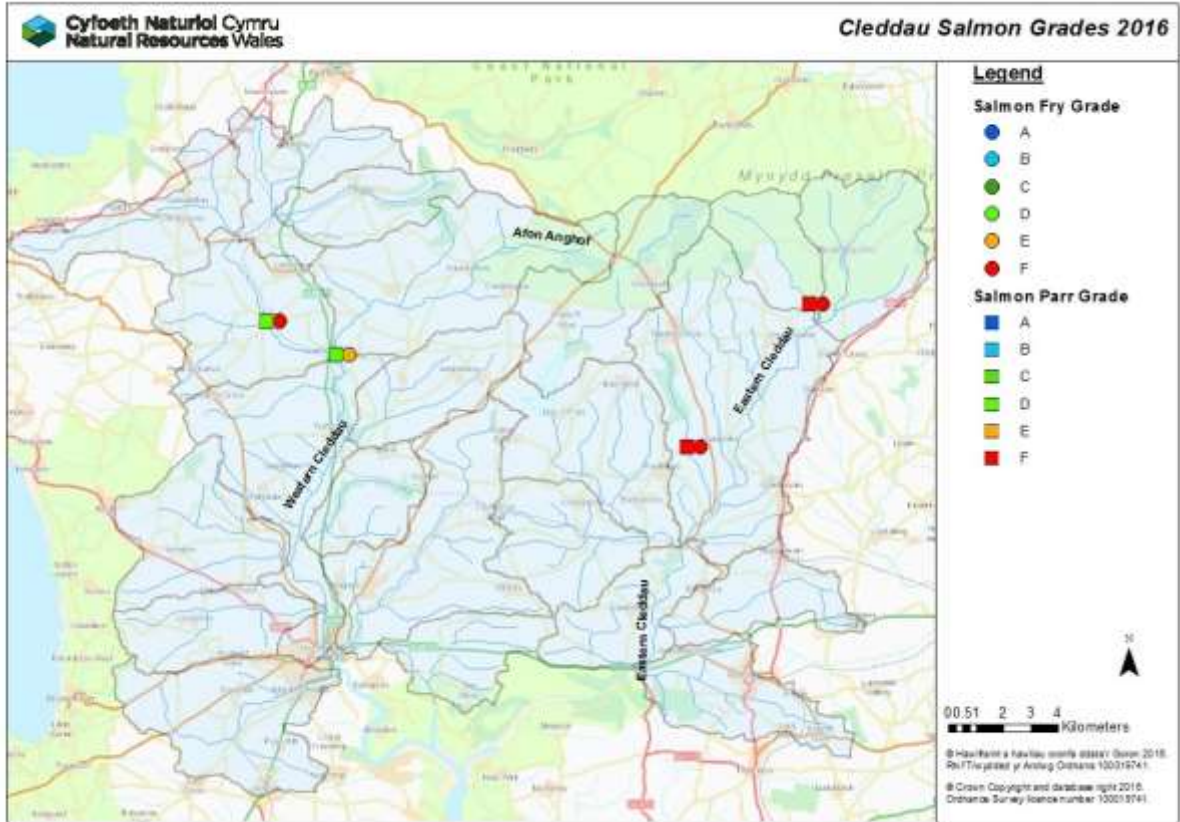




# Cleddau Rivers (Eastern and Western)



# Cleddau Rivers (Eastern and Western)



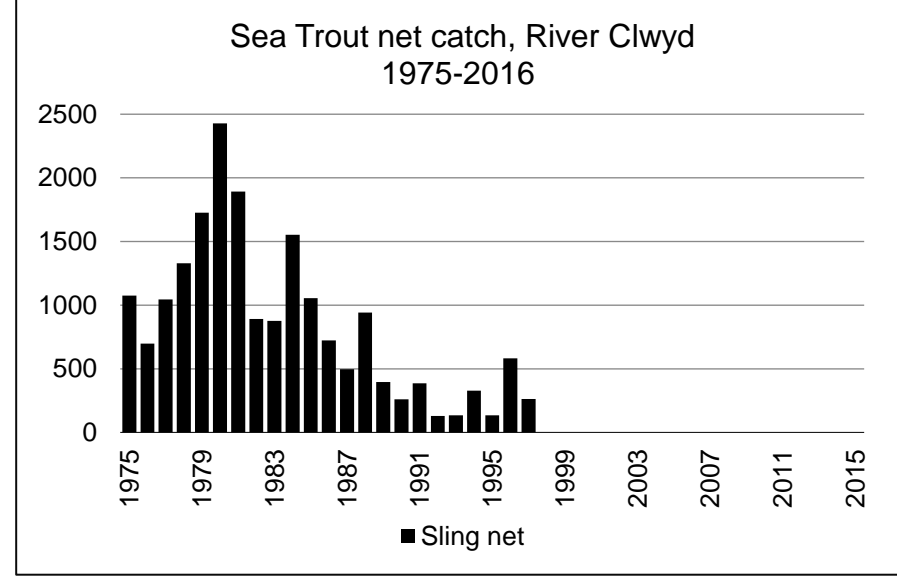
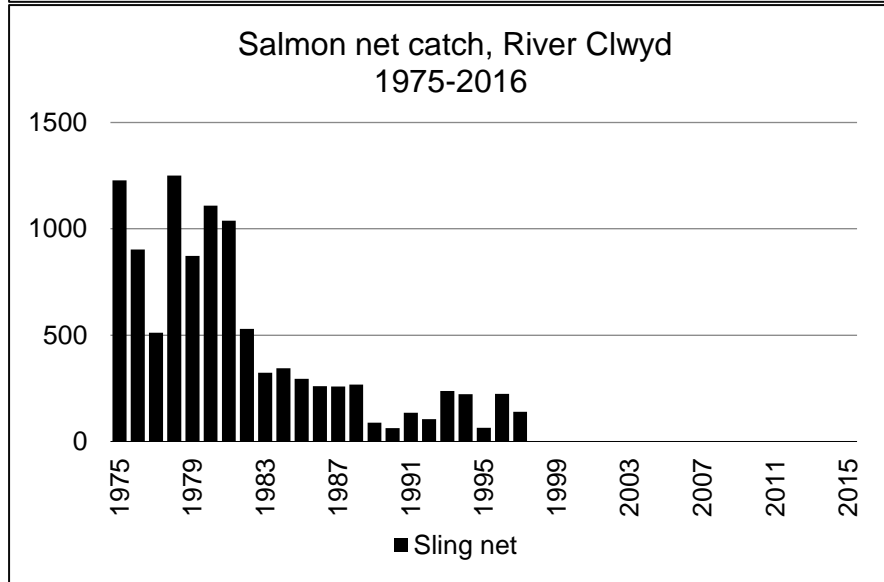
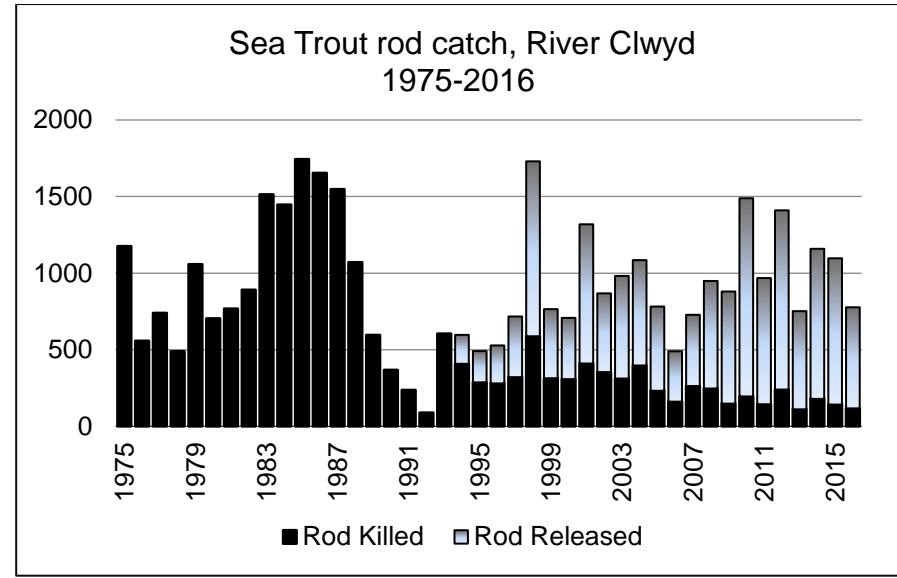
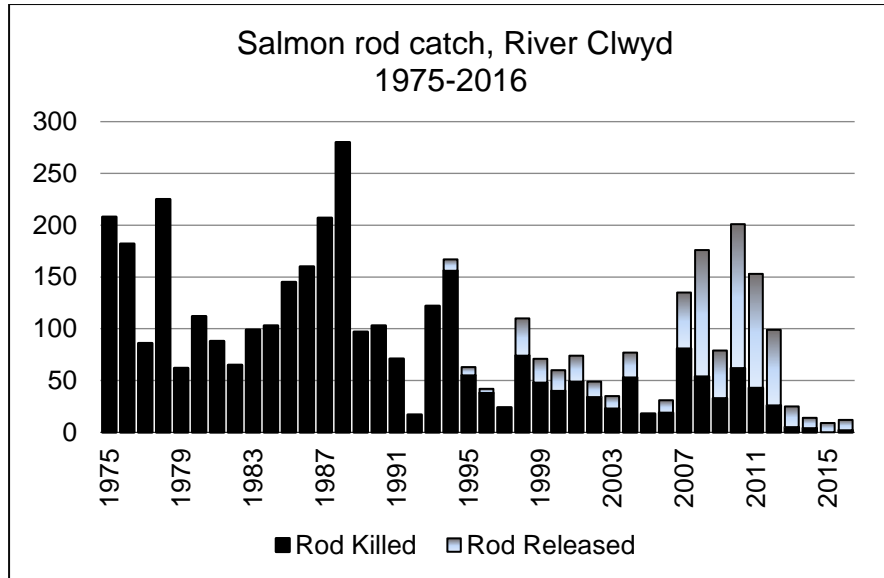
## Cleddau Rivers (Eastern and Western)

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

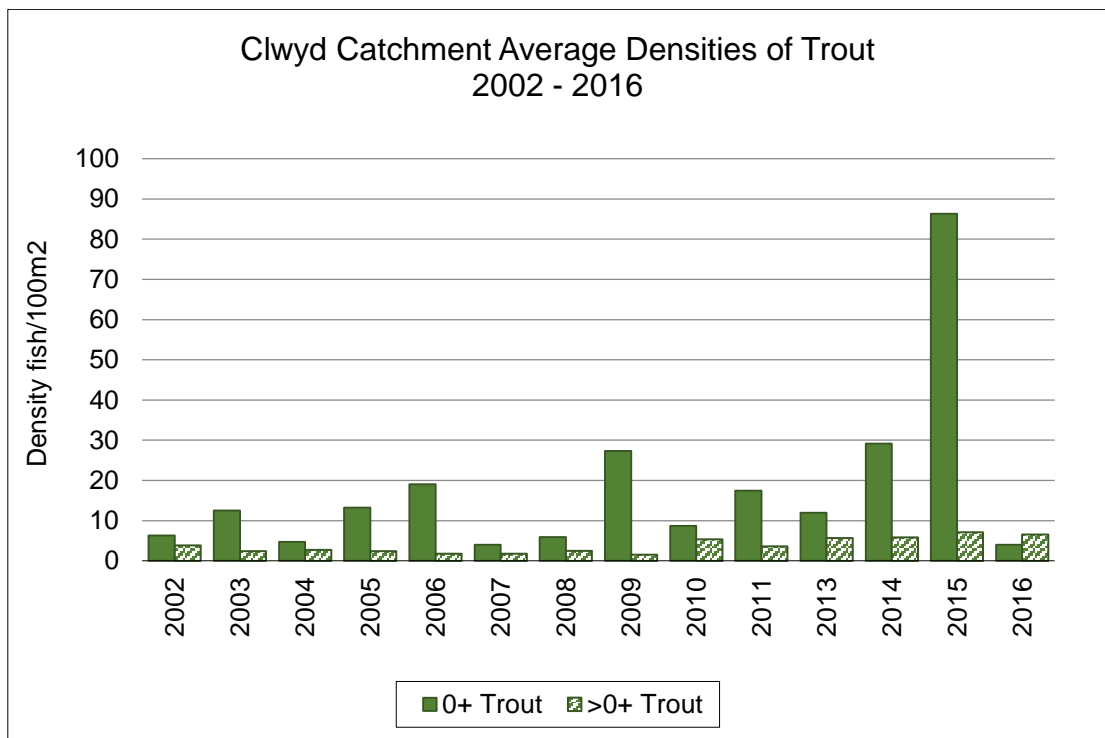
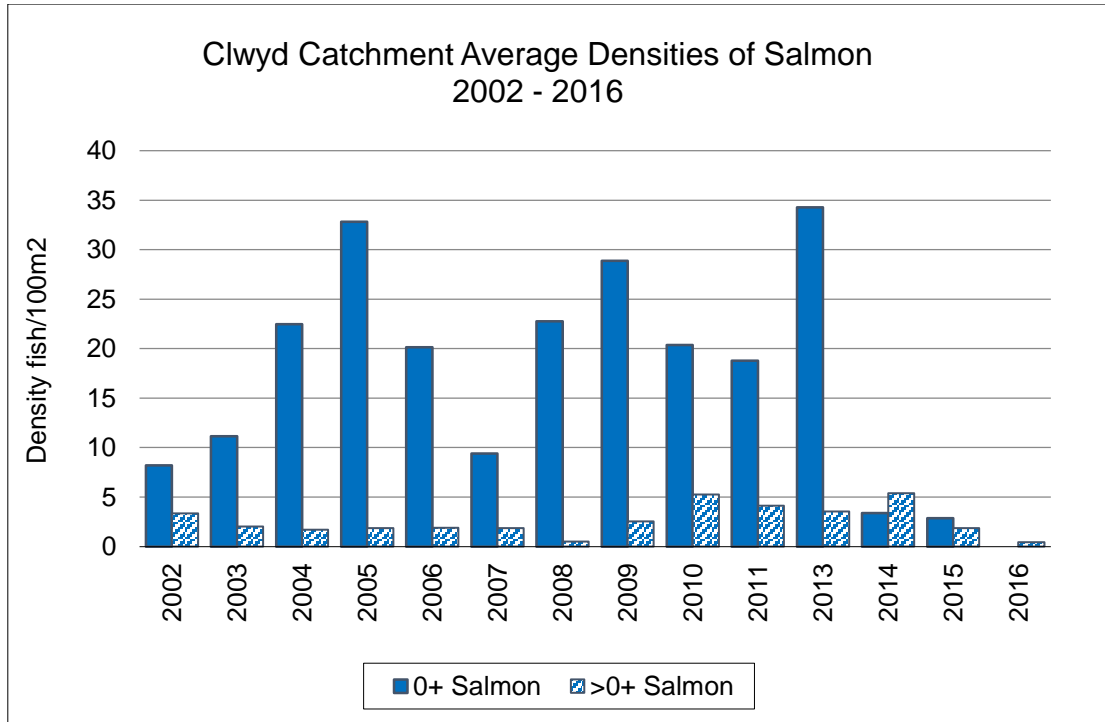
Catchment	River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
		0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Cleddau (East)	Afon Rhyd			0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0%	0%	0%	-100%
	Afallen - EC08			0.0	9.1	0.0	1.3	3.9	5.6	4.1	1.2	0.0	0.0	2.0	4.3	-100%	-100%	-100%	-100%
	Wern - EC06			<b>0.0</b>	<b>5.1</b>	<b>0.0</b>	<b>0.7</b>	<b>1.9</b>	<b>2.8</b>	<b>2.0</b>	<b>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>2.3</b>	<b>-100%</b>	<b>-100%</b>	<b>-100%</b>	<b>-100%</b>
Cleddau (West)	Anghof - WC07A			8.4	7.2	7.5	12.9	2.7	11.0	3.7	6.6	3.6	6.5	5.6	9.4	-4%	-1%	-36%	-31%
	Trerhos - WC17			0.5	12.2	0.0	3.7	2.1	1.4	0.0	4.4	0.0	3.7	0.7	5.4	0%	-16%	-100%	-32%
	<b>Average</b>			<b>4.5</b>	<b>9.7</b>	<b>3.8</b>	<b>8.3</b>	<b>2.4</b>	<b>6.2</b>	<b>1.9</b>	<b>5.5</b>	<b>1.8</b>	<b>5.1</b>	<b>3.1</b>	<b>7.4</b>	<b>-4%</b>	<b>-7%</b>	<b>-43%</b>	<b>-31%</b>

Catchment	River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
		0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Cleddau (East)	Afon Rhyd			2.2	14.4	42.4	18.2	27.0	32.0	30.6	21.3	3.3	15.0	25.6	21.4	-89%	-29%	-87%	-30%
	Afallen - EC08			9.7	10.3	18.8	8.7	4.4	21.7	20.8	9.0	8.9	5.9	13.4	12.4	-57%	-34%	-34%	-52%
	Wern - EC06			<b>5.9</b>	<b>12.3</b>	<b>30.6</b>	<b>13.5</b>	<b>15.7</b>	<b>26.8</b>	<b>25.7</b>	<b>15.1</b>	<b>6.1</b>	<b>10.5</b>	<b>19.5</b>	<b>16.9</b>	<b>-76%</b>	<b>-31%</b>	<b>-69%</b>	<b>-38%</b>
Cleddau (West)	Anghof - WC07A			5.0	4.4	2.1	11.1	9.0	12.0	11.7	4.3	1.2	8.0	7.0	8.0	-90%	87%	-83%	1%
	Trerhos - WC17			7.9	13.8	19.4	17.6	22.1	16.4	8.8	11.7	0.0	8.0	14.6	14.9	-100%	-32%	-100%	-46%
	<b>Average</b>			<b>6.5</b>	<b>9.1</b>	<b>10.8</b>	<b>14.4</b>	<b>15.6</b>	<b>14.2</b>	<b>10.3</b>	<b>8.0</b>	<b>0.6</b>	<b>8.0</b>	<b>10.8</b>	<b>11.4</b>	<b>-94%</b>	<b>0%</b>	<b>-94%</b>	<b>-30%</b>

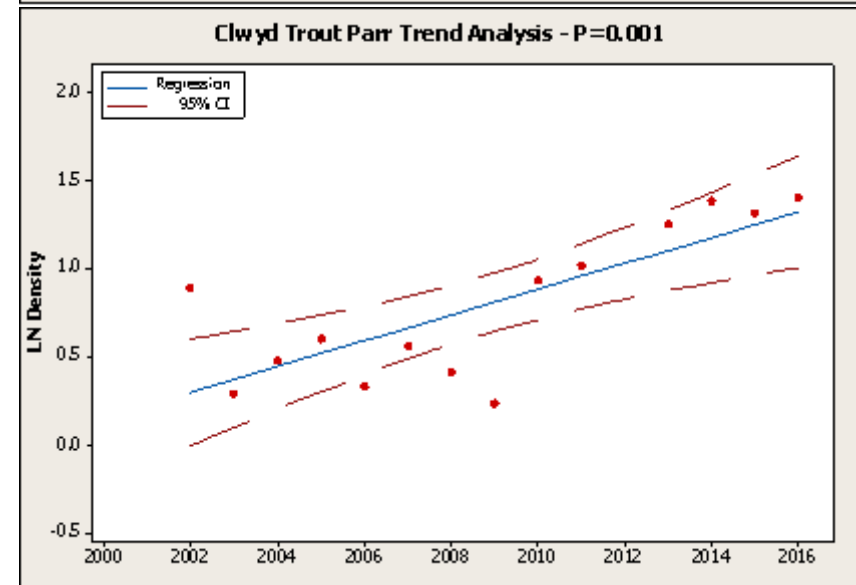
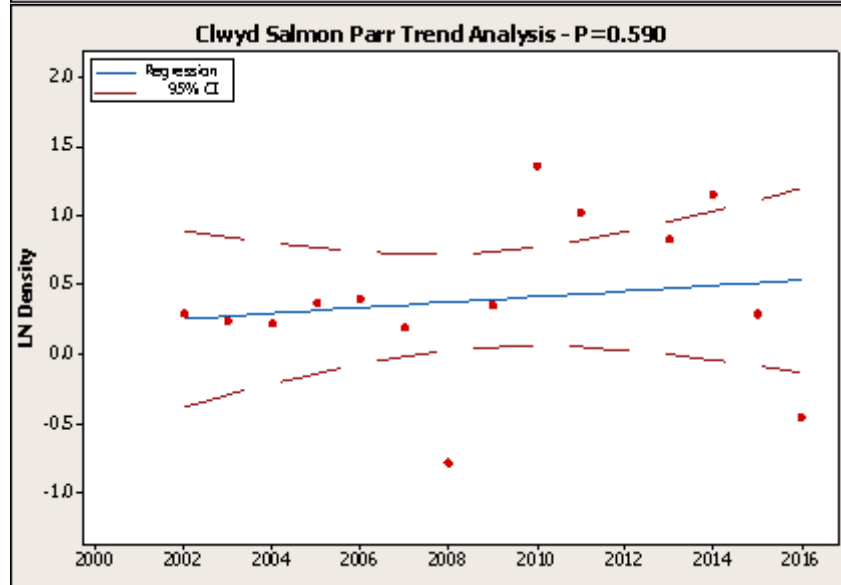
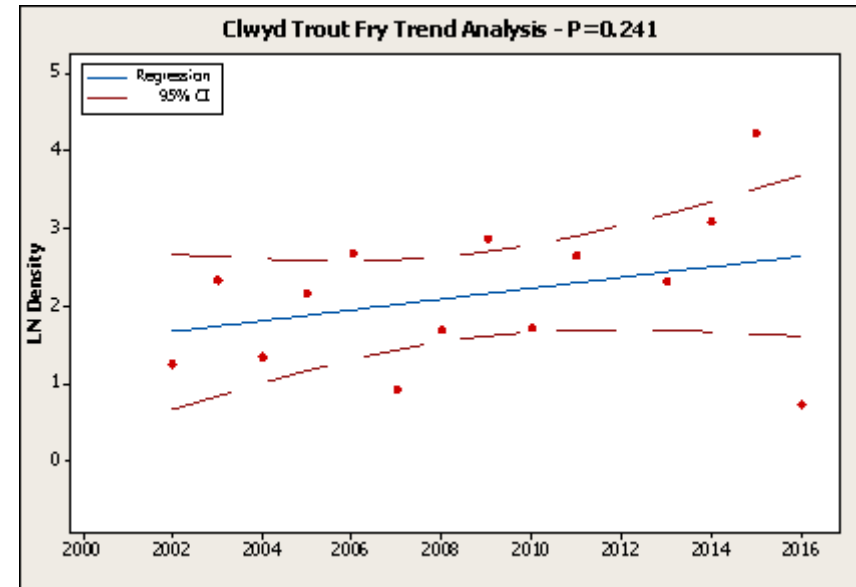
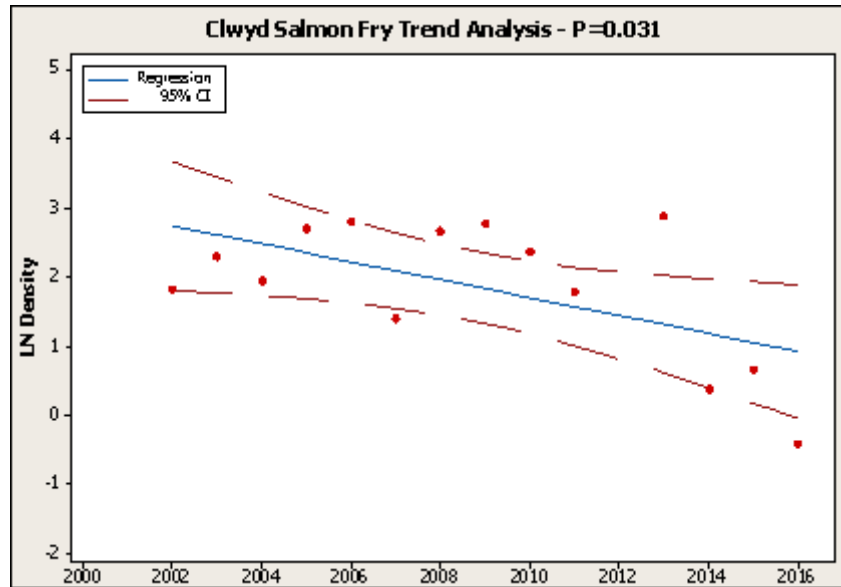
# River Clwyd



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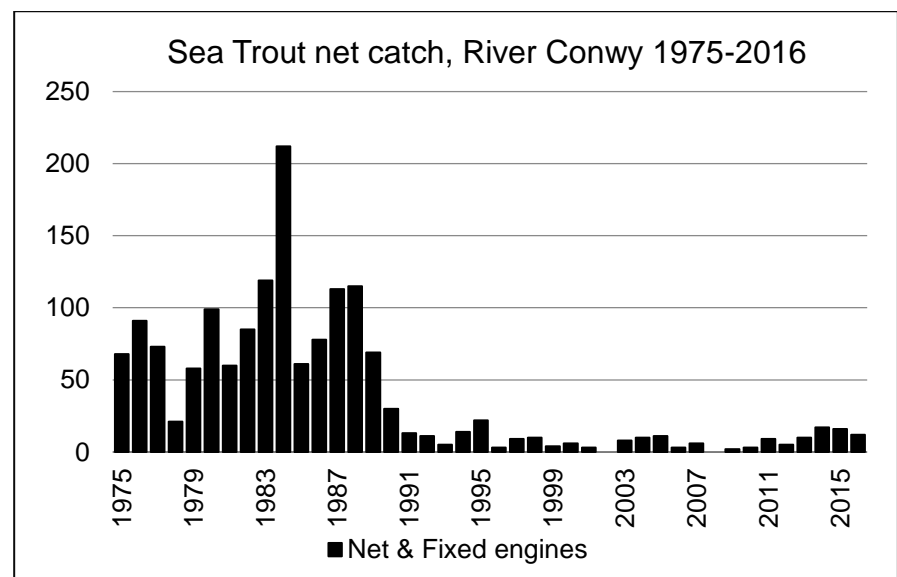
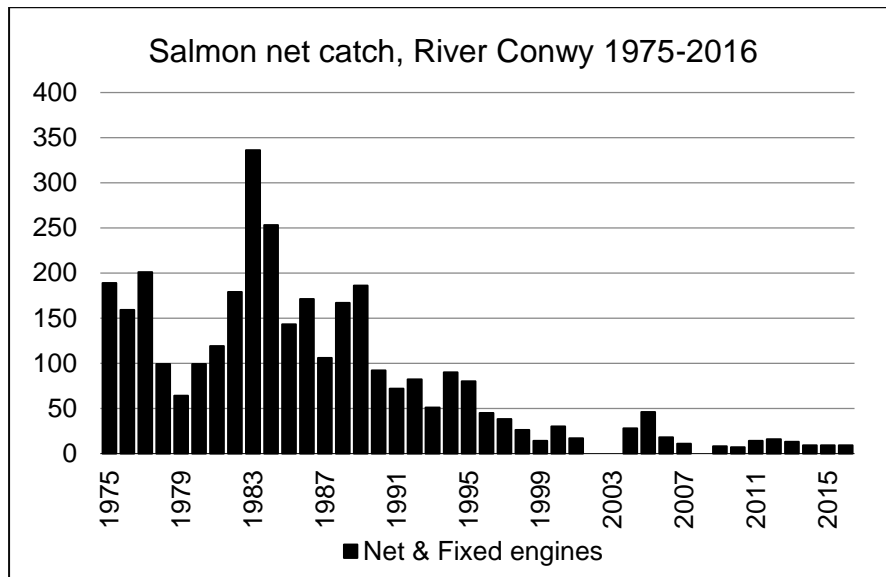
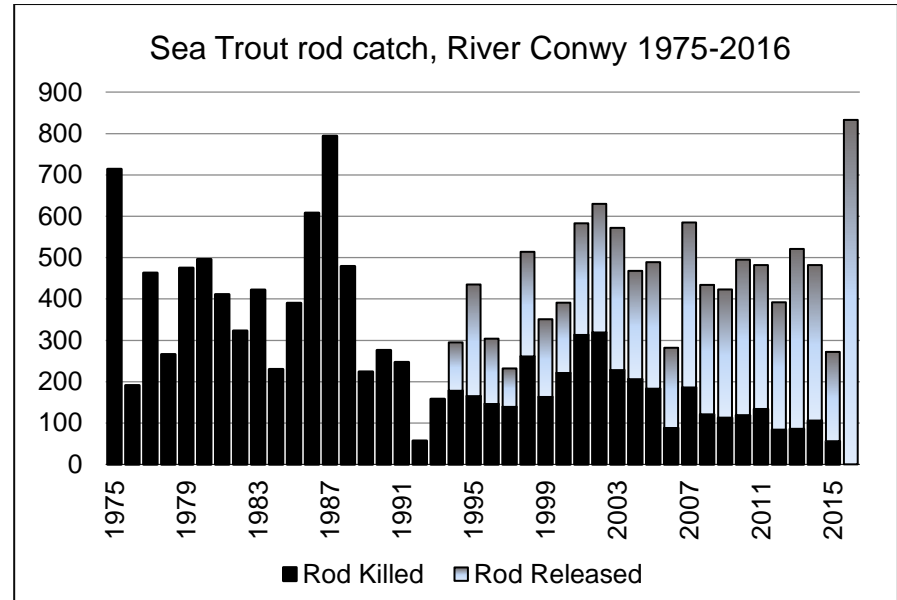
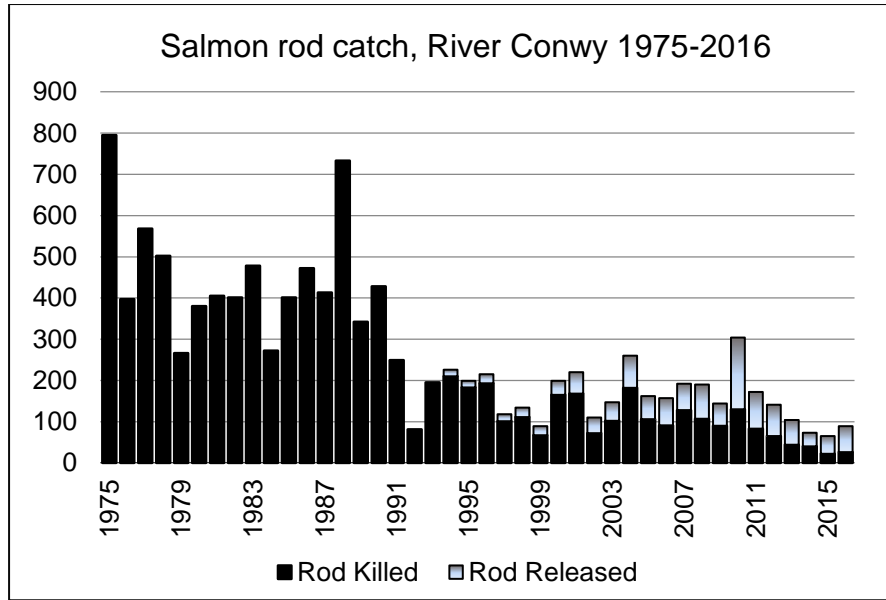
Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Aled - 1	14.8	2.7			71.0	2.0	6.8	4.0	4.1	2.0	0.0	0.4	24.2	2.7	-100%	-83%	-100%	-87%
Clwyd - 9	1.7	9.3			13.6	4.5	4.0	12.0	0.0	5.8	0.0	1.1	4.8	7.9	0%	-81%	-100%	-86%
Clywedog - 14	59.3	4.5			47.1	8.1	0.3	8.0	2.7	1.8	0.0	0.0	27.4	5.6	-100%	-100%	-100%	-100%
Elwy - 111	2.6	4.1			11.1	1.7	5.7	1.4	10.4	0.5	0.0	0.7	7.5	1.9	-100%	47%	-100%	-64%
Ystrad - 109	15.5	0.0			28.6	1.4	0.0	1.6	0.0	1.0	0.0	0.0	11.0	1.0	0%	-100%	-100%	-100%
<b>Average</b>	<b>18.8</b>	<b>4.1</b>			<b>34.3</b>	<b>3.5</b>	<b>3.4</b>	<b>5.4</b>	<b>3.4</b>	<b>2.2</b>	<b>0.0</b>	<b>0.4</b>	<b>15.0</b>	<b>3.8</b>	<b>-100%</b>	<b>-81%</b>	<b>-100%</b>	<b>-89%</b>

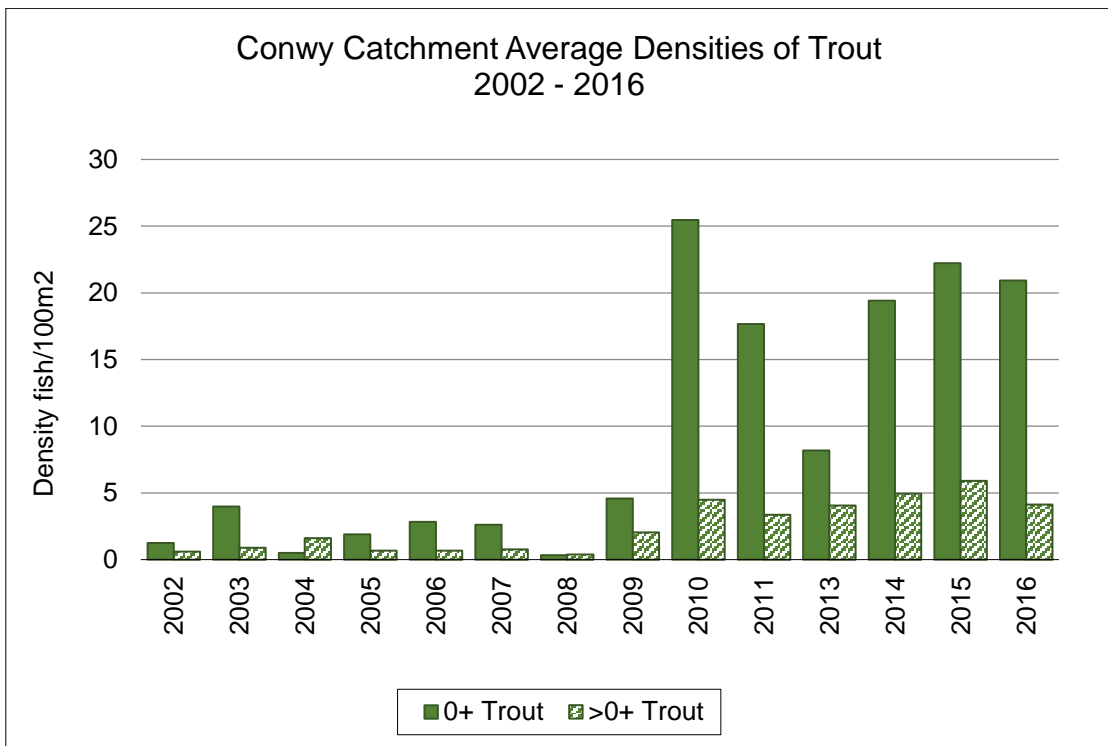
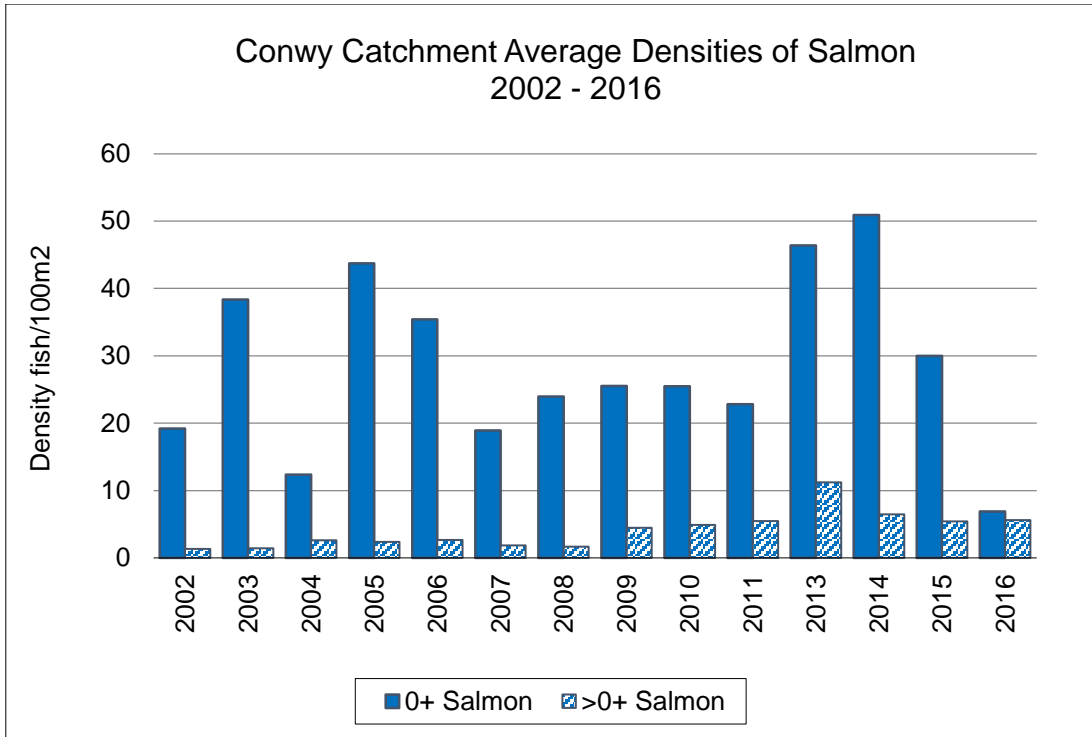
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Aled - 1	19.0	1.3			8.9	1.4	17.0	1.6	62.7	2.9	0.5	1.4	26.9	1.8	-99%	-51%	-98%	-21%
Clwyd - 9	22.7	5.2			14.2	8.5	14.0	9.0	119.2	16.3	2.8	14.4	42.5	9.8	-98%	-12%	-93%	48%
Clywedog - 14	8.1	6.0			18.2	5.5	23.3	10.3	74.4	9.6	7.7	10.3	31.0	7.9	-90%	7%	-75%	31%
Elwy - 111	11.5	2.8			9.6	1.4	24.4	2.2	39.3	0.7	0.7	3.5	21.2	1.8	-98%	390%	-97%	95%
Ystrad - 109	26.2	3.0			9.1	11.4	67.2	6.3	124.0	11.5	8.4	3.1	56.6	8.0	-93%	-73%	-85%	-61%
<b>Average</b>	<b>17.5</b>	<b>3.6</b>			<b>12.0</b>	<b>5.6</b>	<b>29.2</b>	<b>5.9</b>	<b>83.9</b>	<b>8.2</b>	<b>4.0</b>	<b>6.5</b>	<b>35.7</b>	<b>5.8</b>	<b>-95%</b>	<b>-20%</b>	<b>-89%</b>	<b>12%</b>



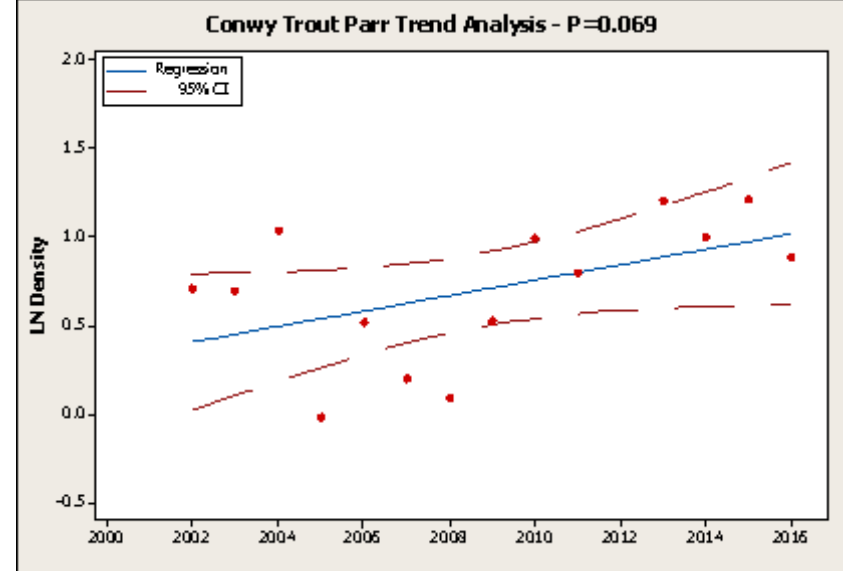
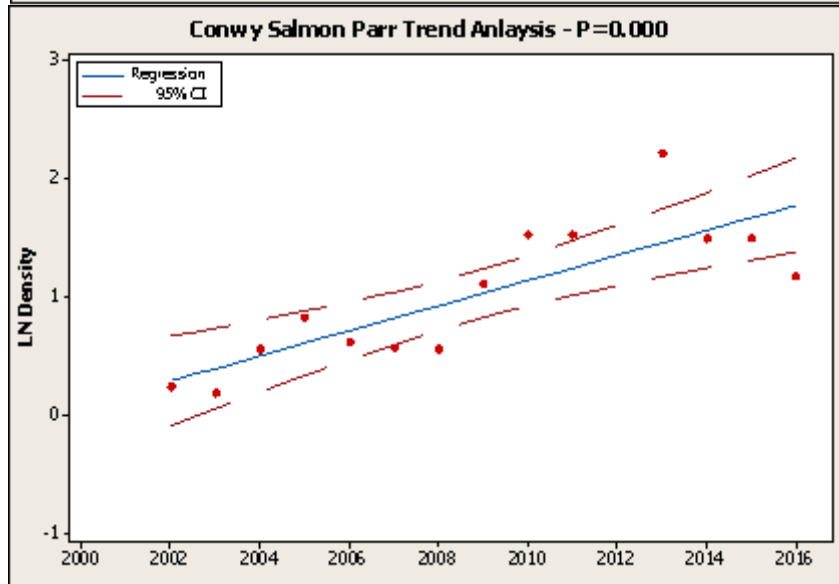
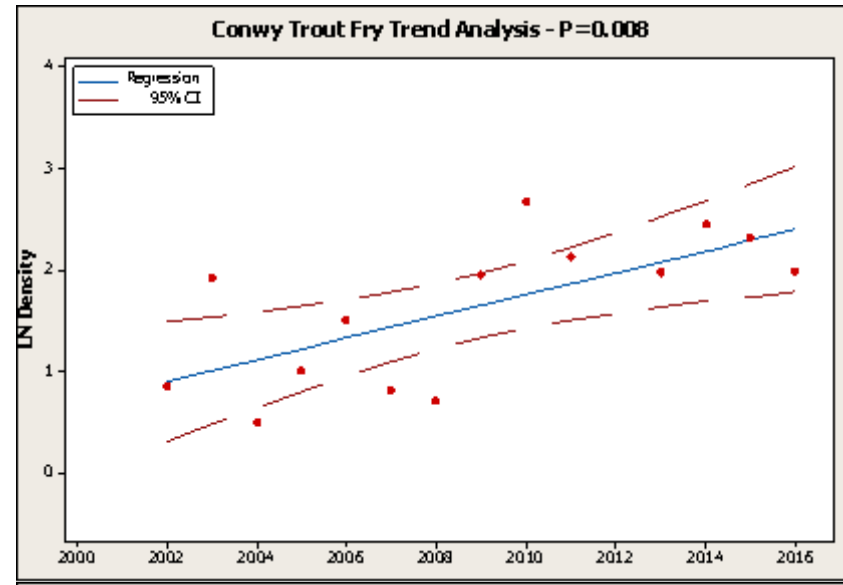
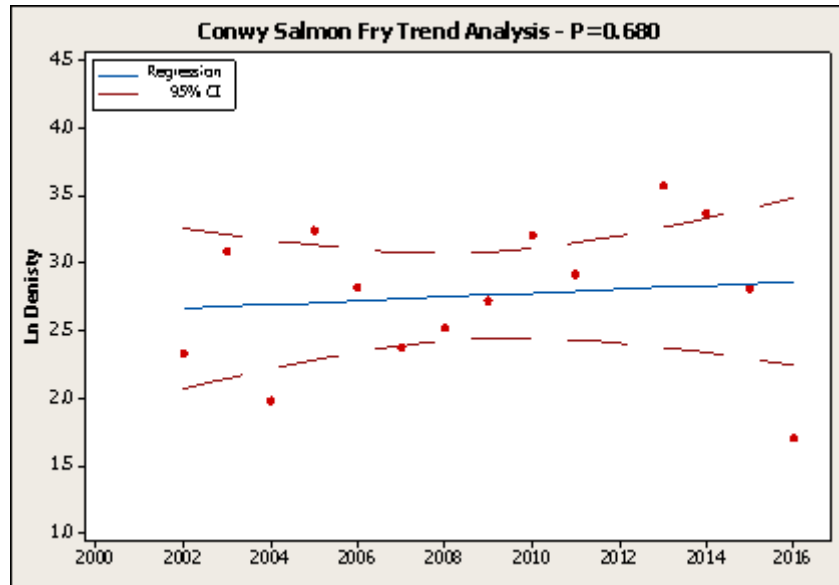
# River Conwy



# River Conwy



# River Conwy



# River Conwy



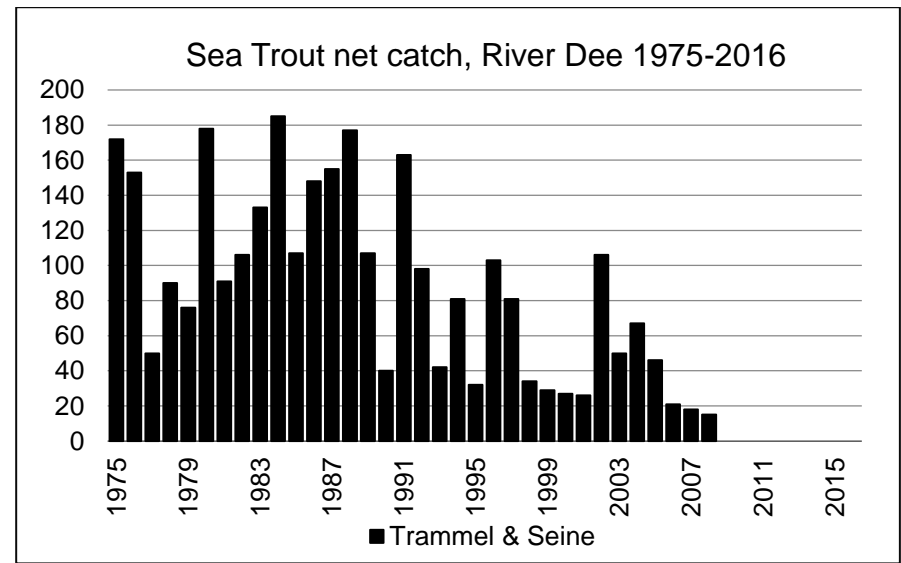
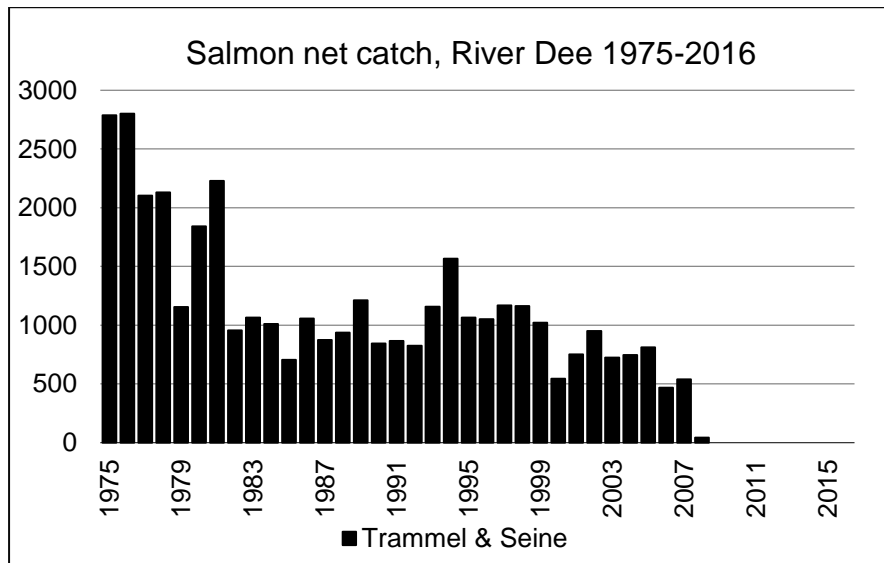
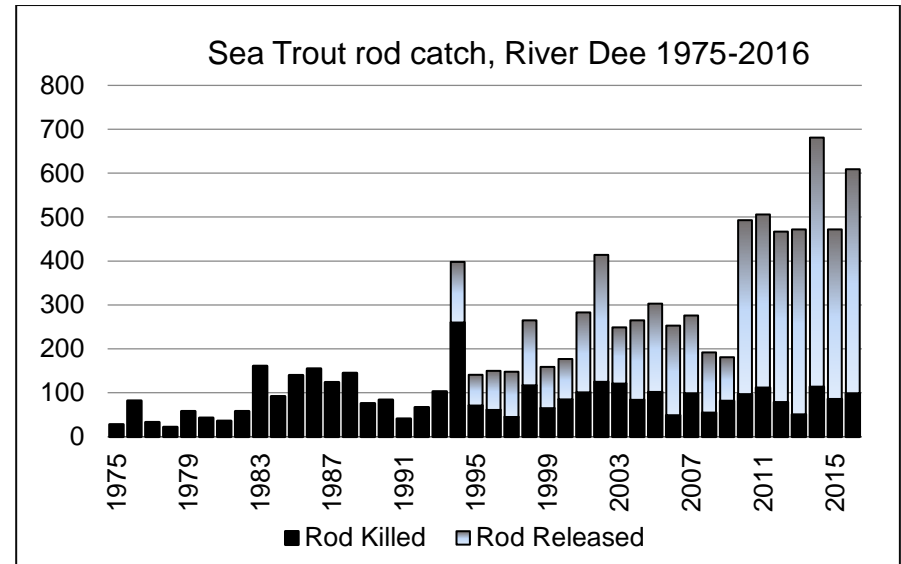
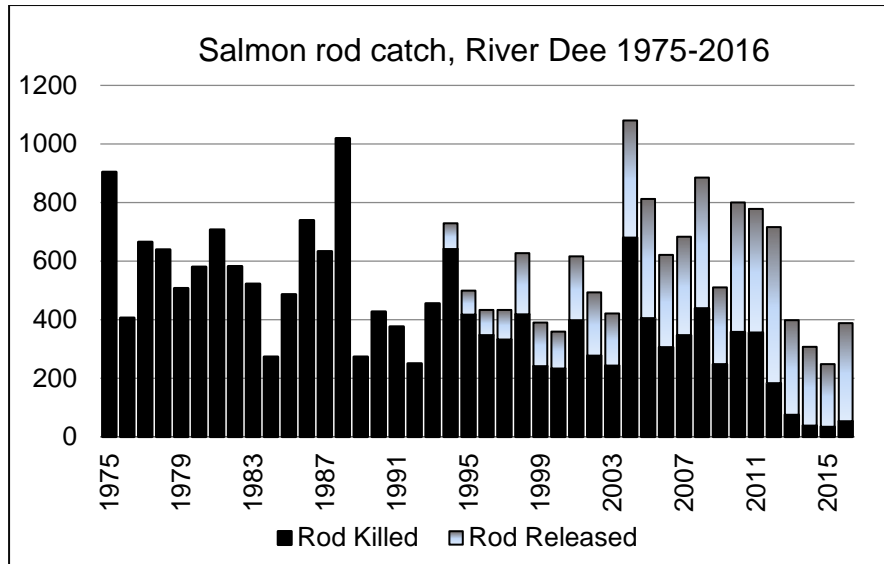
# River Conwy

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

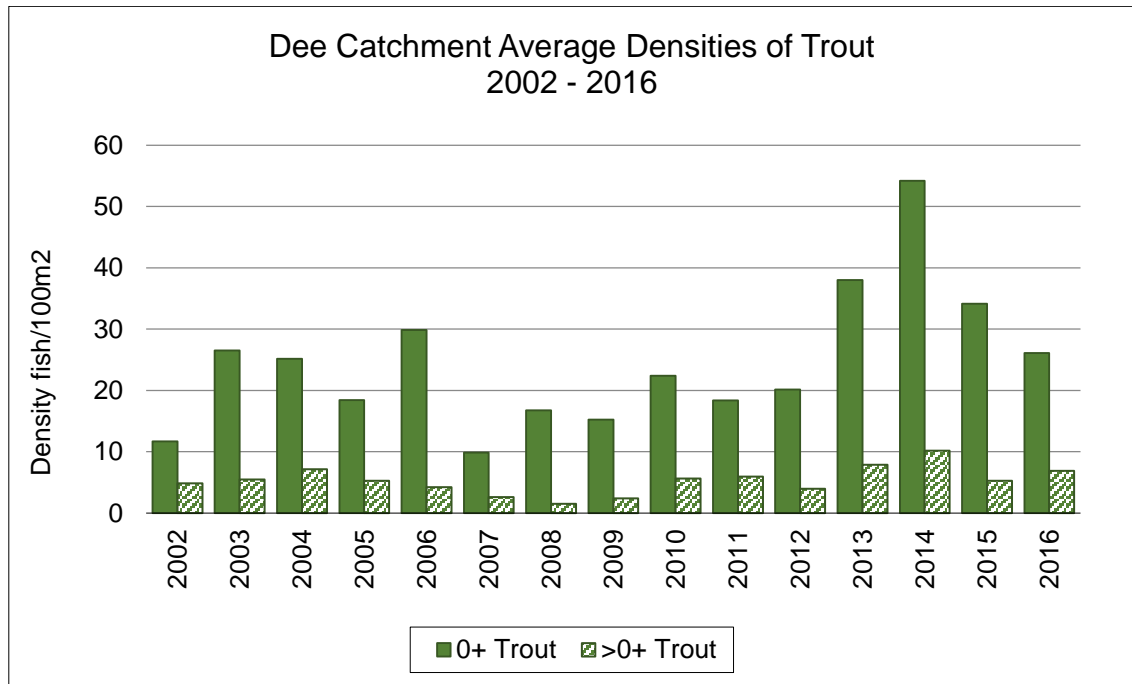
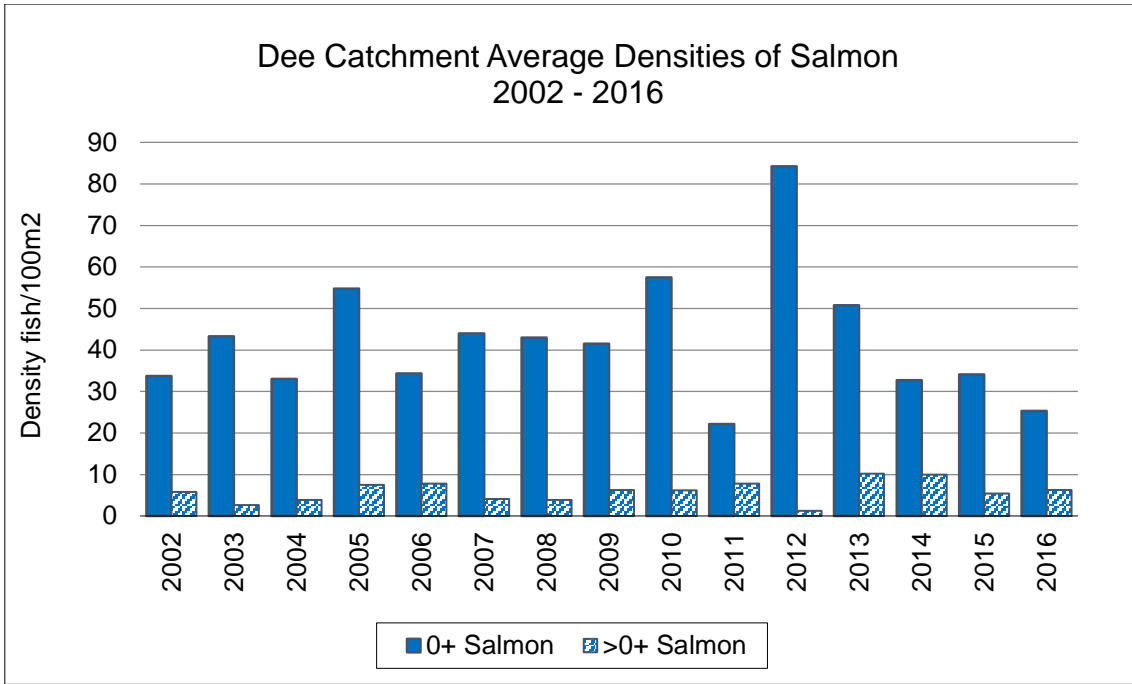
River	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Lledr - 19	7.0	3.5			12.8	13.2	38.2	3.5	30.3	6.1	5.6	7.4	22.1	6.6	-82%	22%	-75%	13%
Merddwr - 39.1	49.2	6.6			74.2	4.6	120.6	12.8	60.2	2.3	15.3	1.4	76.0	6.6	-75%	-39%	-80%	-79%
Nant Y Goron - 3	23.1	8.8			46.4	23.6	23.3	8.7	16.5	11.4	1.1	13.7	27.3	13.1	-94%	20%	-96%	5%
Roe - 10	22.4	7.0			16.2	10.1	2.8	0.7	0.0	2.2	5.7	0.0	10.3	5.0	+	-100%	-45%	-100%
<b>Average</b>	<b>25.4</b>	<b>6.5</b>			<b>37.4</b>	<b>12.9</b>	<b>46.2</b>	<b>6.4</b>	<b>26.8</b>	<b>5.5</b>	<b>6.9</b>	<b>5.6</b>	<b>33.9</b>	<b>7.8</b>	<b>-74%</b>	<b>2%</b>	<b>-80%</b>	<b>-28%</b>

River	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Lledr - 19	7.0	0.4			4.3	1.9	9.5	0.9	5.2	1.3	7.0	1.9	6.5	1.1	35%	43%	8%	65%
Merddwr - 39.1	11.1	3.5			7.9	4.6	20.3	12.4	6.4	3.0	1.4	0.0	11.4	5.9	-78%	-100%	-88%	-100%
Nant Y Goron - 3	8.8	3.8			6.4	7.9	20.0	1.3	44.9	6.3	13.7	4.7	20.0	4.8	-70%	-24%	-32%	-1%
Roe - 10	61.5	9.1			16.9	4.7	46.2	9.1	53.2	18.0	61.6	9.9	44.4	10.2	16%	-45%	39%	-3%
<b>Average</b>	<b>22.1</b>	<b>4.2</b>			<b>8.9</b>	<b>4.8</b>	<b>24.0</b>	<b>5.9</b>	<b>27.4</b>	<b>7.1</b>	<b>20.9</b>	<b>4.1</b>	<b>20.6</b>	<b>5.5</b>	<b>-24%</b>	<b>-42%</b>	<b>2%</b>	<b>-25%</b>

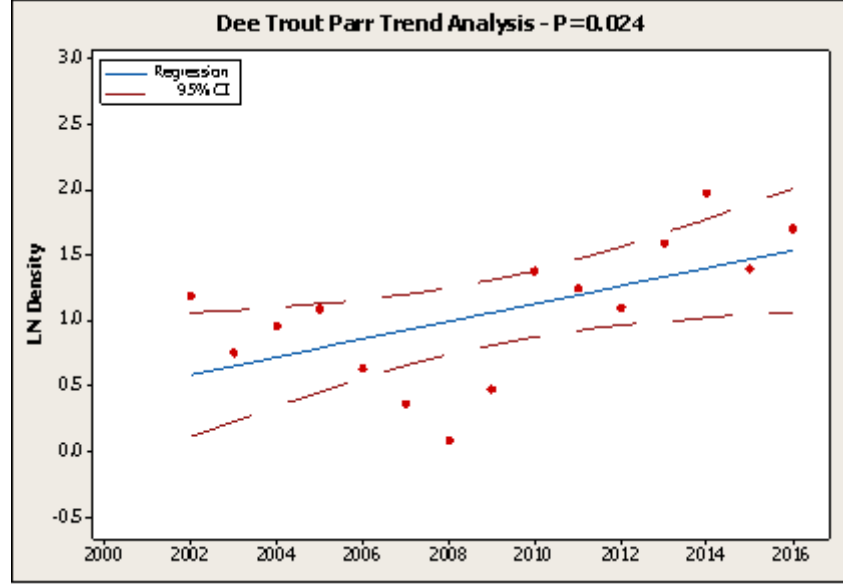
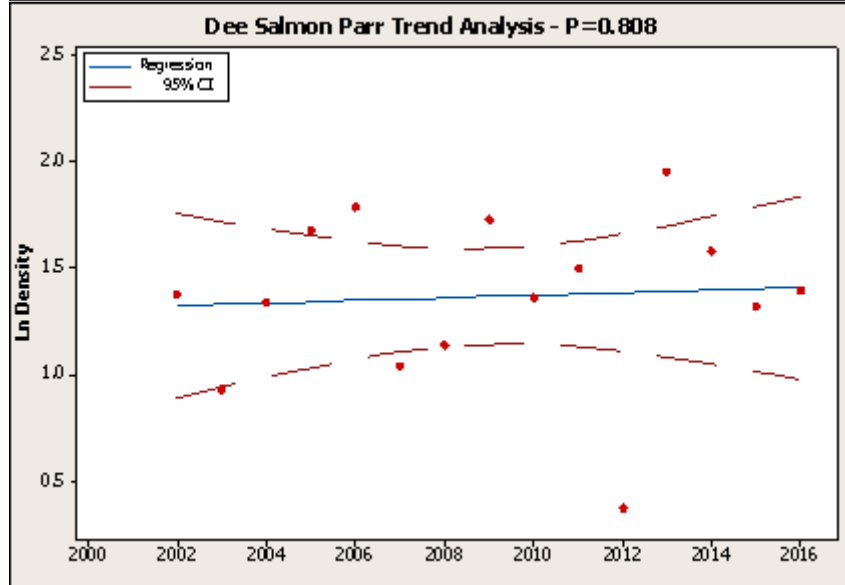
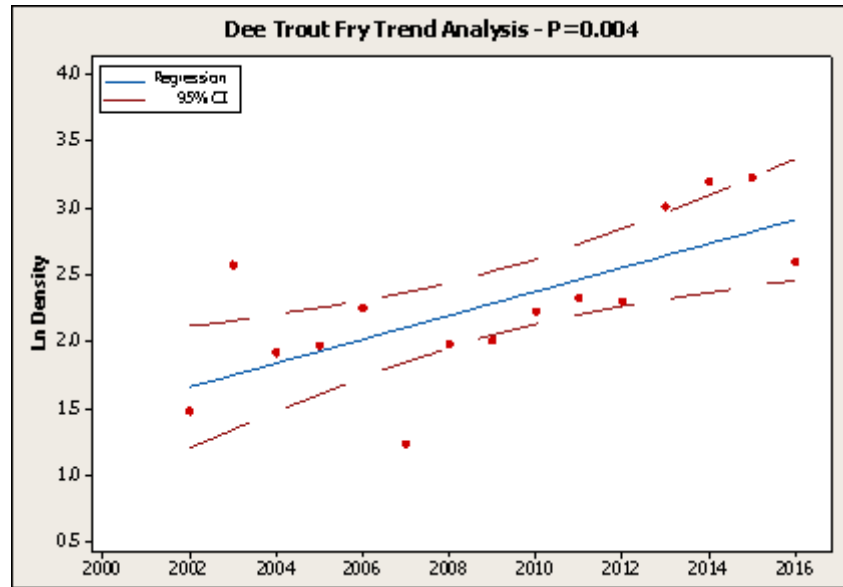
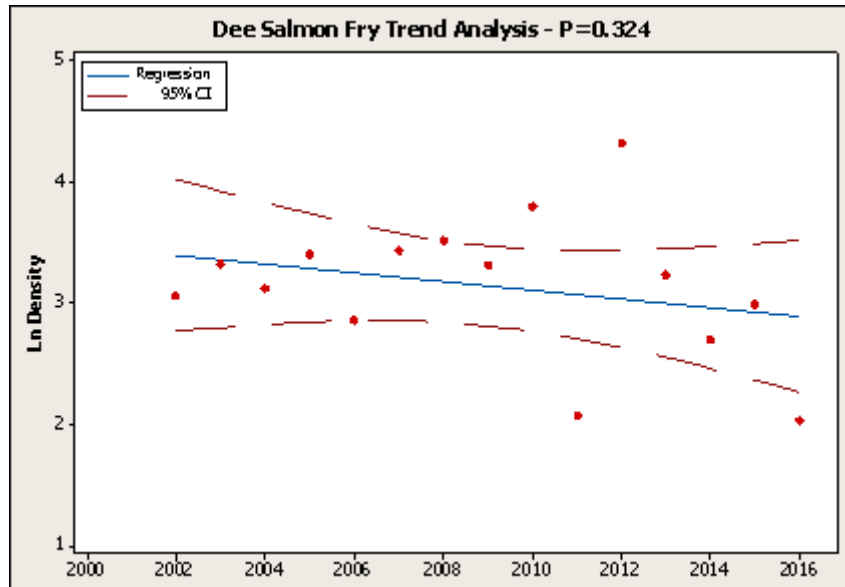
# River Dee



# River Dee

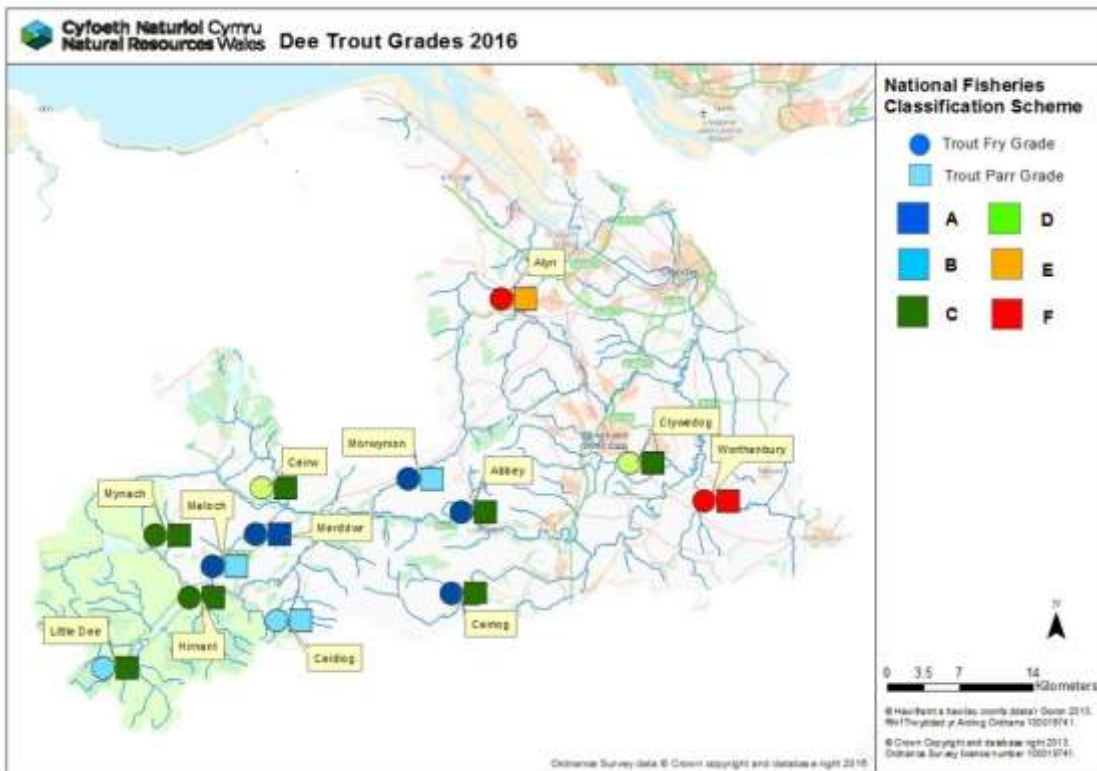
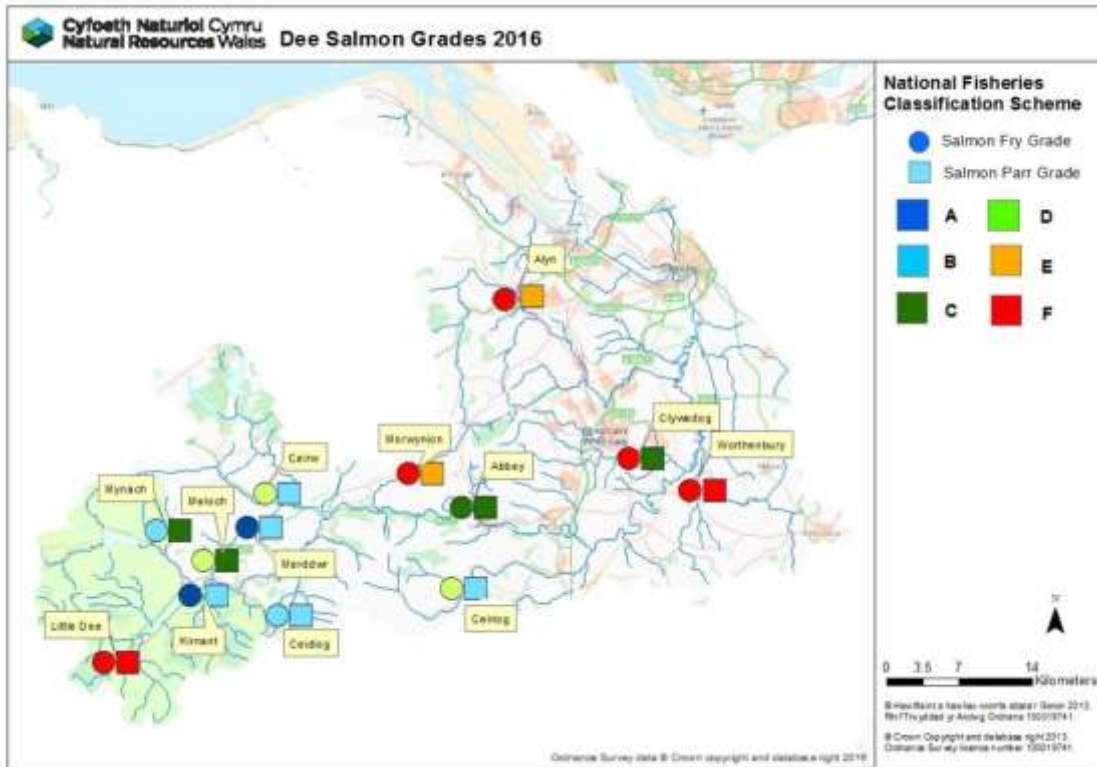


# River Dee





# River Dee



# River Dee

Juvenile salmon densities 2011 to 2016 (fish per 100m<sup>2</sup>)

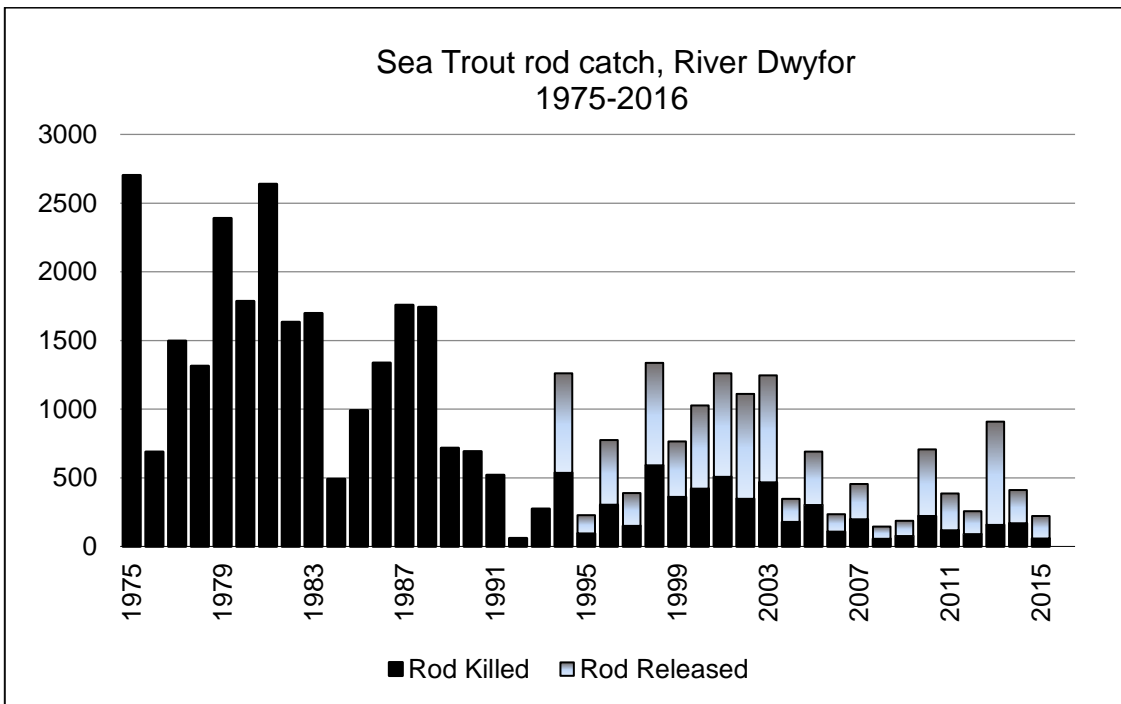
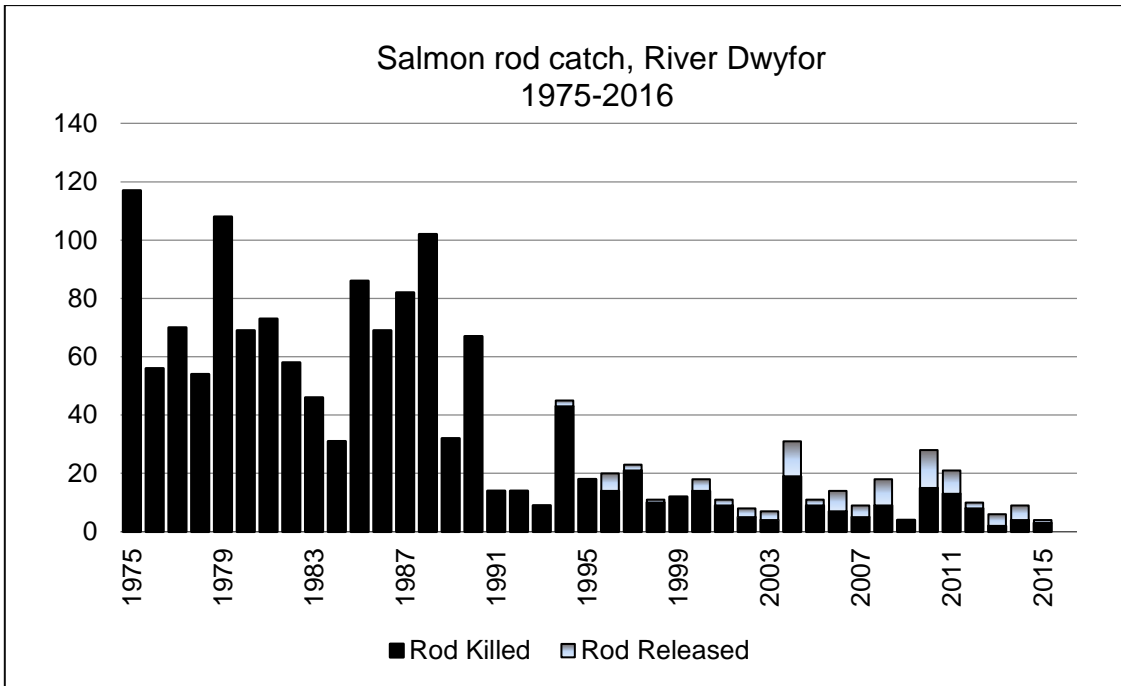
River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Abbey Brook - 34	35.3	4.7			44.0	13.1	94.9	13.0	53.5	2.9	11.9	4.0	56.9	8.4	-78%	36%	-79%	-53%
Ceidiog - 17	15.9	1.5			88.8	2.8	15.2	2.8	45.5	6.7	20.0	11.9	41.3	3.5	-56%	77%	-52%	242%
Ceiriog - 57	123.2	15.6			34.0	14.0	58.7	37.0	11.3	11.3	3.4	10.4	56.8	19.5	-70%	-8%	-94%	-47%
Ceirw - 283	35.0	15.5			84.4	24.0	29.2	17.0	79.2	13.9	4.0	10.9	56.9	17.6	-95%	-21%	-93%	-38%
Clywedog - 284	6.9	14.2			7.5	13.7	5.3	2.9	5.4	3.4	0.0	2.0	6.3	8.5	-100%	-40%	-100%	-76%
Hirnant - 35	19.3	11.2			88.1	3.2			31.0	5.7	79.4	10.3	46.1	6.7	156%	82%	72%	55%
Little Dee - 3	3.0	1.1	41.2	1.1	0.0	5.3	0.3	0.7	2.3	0.0	0.0	0.0	9.4	1.6	-100%	0%	-100%	-100%
Meloch - 33	0.0	8.6	70.9	0.6	56.8	3.2	25.0	5.0	48.0	2.9	3.0	4.9	40.1	4.0	-94%	71%	-92%	21%
Merddwr - 13	0.0	10.0	195.5	3.4	140.6	17.5	28.3	12.8	58.5	7.9	123.9	9.0	84.6	10.3	112%	13%	46%	-13%
Morwynion - 54	0.0	0.8			2.6	11.1	0.0	0.0	1.4	0.0	0.0	0.7	1.0	3.0	-100%	+	-100%	-76%
Mynach - 40	5.3	2.5	29.4	0.0	11.8	4.4	70.3	8.2	39.6	5.2	32.8	4.5	31.3	4.1	-17%	-13%	5%	11%
<b>Average</b>	<b>22.2</b>	<b>7.8</b>	<b>84.2</b>	<b>1.3</b>	<b>50.8</b>	<b>10.2</b>	<b>32.7</b>	<b>9.9</b>	<b>34.1</b>	<b>5.4</b>	<b>25.3</b>	<b>6.2</b>	<b>44.8</b>	<b>6.9</b>	<b>-26%</b>	<b>14%</b>	<b>-44%</b>	<b>-10%</b>

# River Dee

Juvenile trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Abbey Brook - 34	24.7	8.7			41.7	15.4	38.9	19.8	41.8	3.7	24.5	3.3	36.8	11.9	-41%	-10%	-33%	-72%
Ceidiog - 17	16.9	4.6			27.5	18.3	55.7	9.6	31.3	11.2	13.8	13.1	32.9	10.9	-56%	17%	-58%	20%
Ceiriog - 57	13.5	3.8			25.1	9.3	30.5	9.2	54.3	6.3	25.6	4.2	30.9	7.1	-53%	-33%	-17%	-41%
Ceirw - 283	0.0	1.0			1.6	5.5	2.7	3.0	5.1	6.9	1.9	2.8	2.4	4.1	-63%	-60%	-21%	-32%
Clywedog - 284	19.6	3.9			10.4	3.3	3.3	2.9	28.4	3.4	2.5	2.9	15.4	3.4	-91%	-16%	-84%	-15%
Hirnant - 35	2.0	0.3			2.5	0.7			15.3	1.7	5.3	3.1	6.6	0.9	-65%	88%	-20%	246%
Little Dee - 3	31.5	3.0	9.8	6.1	42.7	2.7	44.3	14.8	12.1	7.5	9.5	5.9	28.1	6.8	-21%	-22%	-66%	-13%
Meloch - 33	16.6	7.4	32.0	2.3	78.4	4.2	166.9	10.6	20.0	0.6	56.1	9.1	62.8	5.0	180%	1501%	-11%	82%
Merddwr - 13	21.9	17.5	35.2	7.4	32.5	8.8	69.4	8.9	81.4	7.9	59.7	17.2	48.1	10.1	-27%	117%	24%	70%
Morwynion - 54	54.1	14.1			139.2	17.6	118.9	18.1	69.6	4.7	82.1	9.4	95.5	13.6	18%	99%	-14%	-31%
Mynach - 40	1.2	1.2	3.6	0.0	16.7	1.0	11.3	5.2	16.0	4.2	6.3	4.9	9.8	2.3	-61%	17%	-36%	112%
<b>Average</b>	<b>18.4</b>	<b>6.0</b>	<b>20.2</b>	<b>4.0</b>	<b>38.0</b>	<b>7.9</b>	<b>54.2</b>	<b>10.2</b>	<b>34.1</b>	<b>5.3</b>	<b>26.1</b>	<b>6.9</b>	<b>33.0</b>	<b>6.7</b>	<b>-24%</b>	<b>31%</b>	<b>-21%</b>	<b>4%</b>

# River Dwyfor



There is no net fishery for salmon or sea trout on the Dwyfor

# River Dwyfor



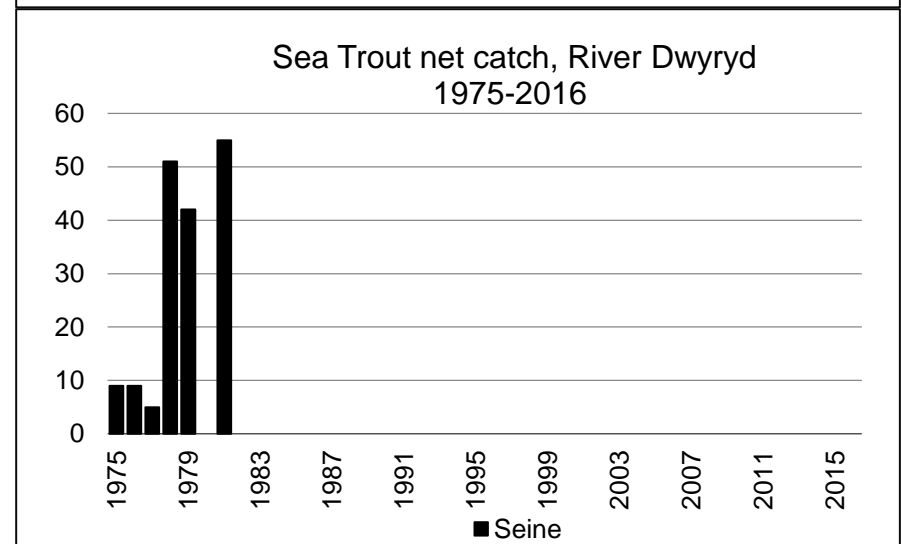
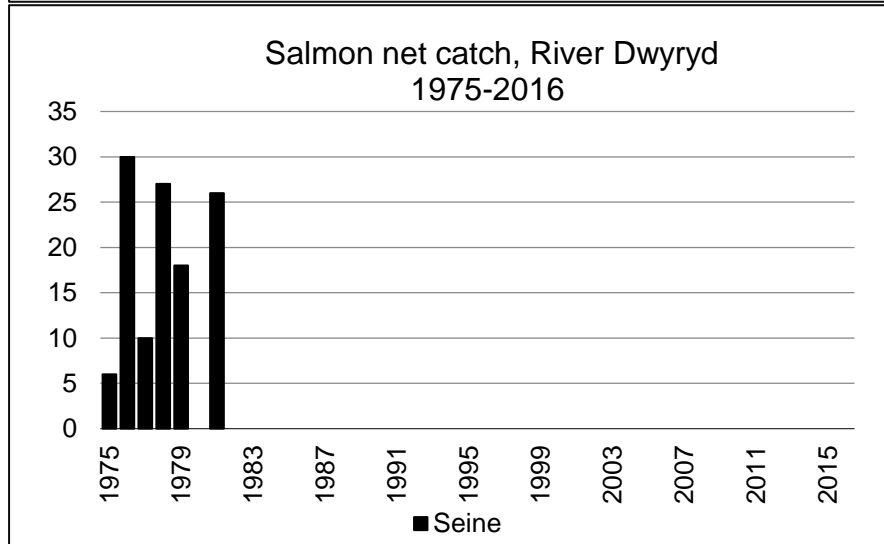
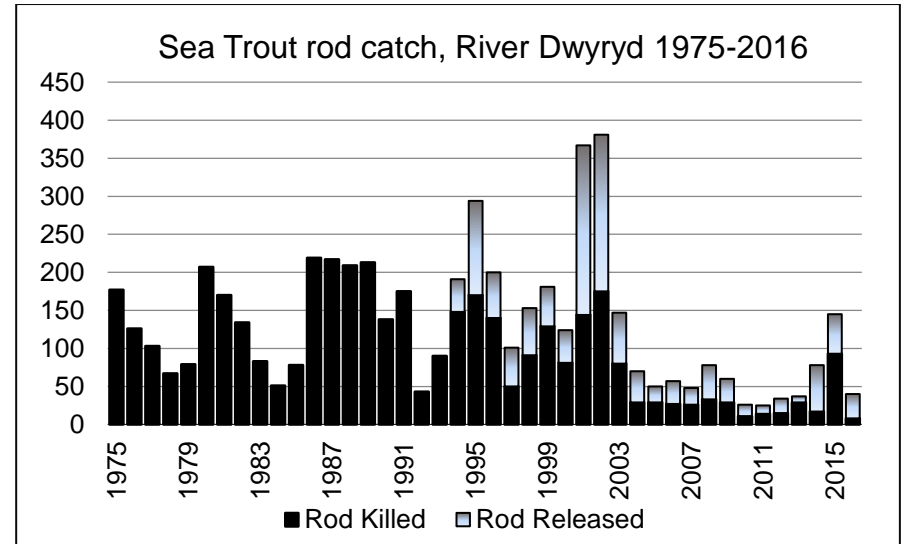
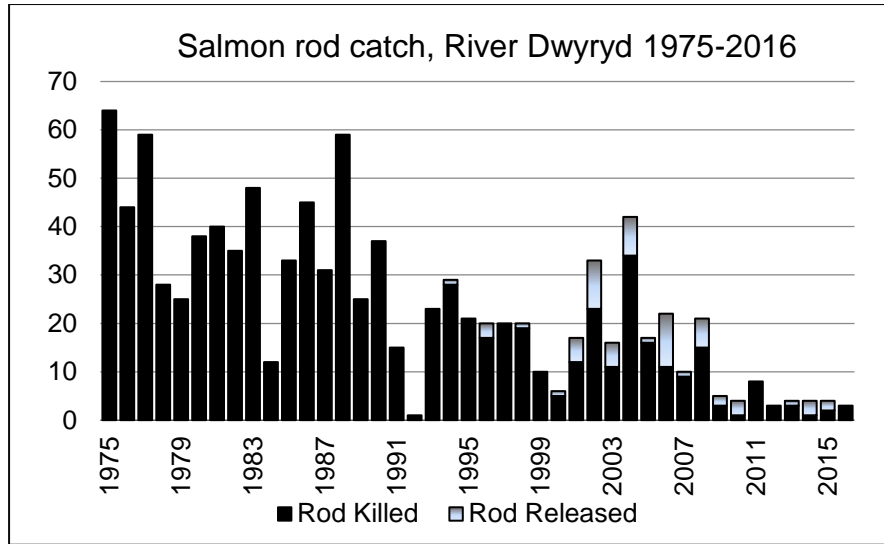
# River Dwyfor

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Dwyfawr - 41			2.6	2.2	7.6	4.9	6.0	2.3	0.5	1.8	2.2	0.4	4.2	2.8	386%	-76%	-46%	-84%

River	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Dwyfawr - 41			4.8	1.1	7.2	4.5	26.3	12.0	14.7	6.9	8.5	0.9	13.3	6.1	-42%	-87%	-36%	-85%

# River Dwyryd



# River Dwyryd

## Dwyryd Salmon Grades 2016



**National Fisheries  
Classification Scheme**

Blue	A	Green	C	Orange	E
Cyan	B	Light Green	D	Red	F

Salmon Fry Grades   
Salmon Parr Grades 

0 1.75 3.5 Kilometers  
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## Dwyryd Trout Grades 2016



**National Fisheries  
Classification Scheme**

Blue	A	Green	C	Orange	E
Cyan	B	Light Green	D	Red	F

Trout Fry Grades   
Trout Parr Grades 

0 1.75 3.5 Kilometers  
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Cyfoeth Naturiol Cymru, 100019741, 2013.  
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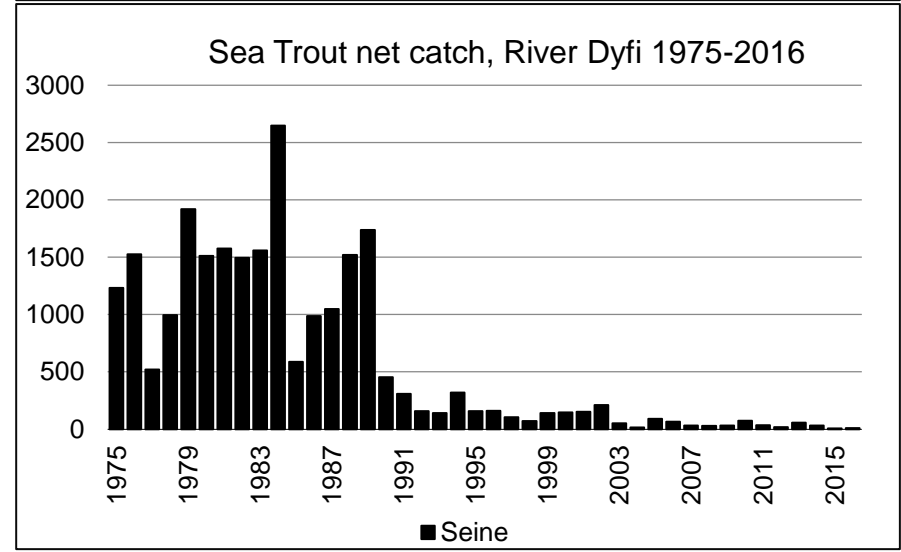
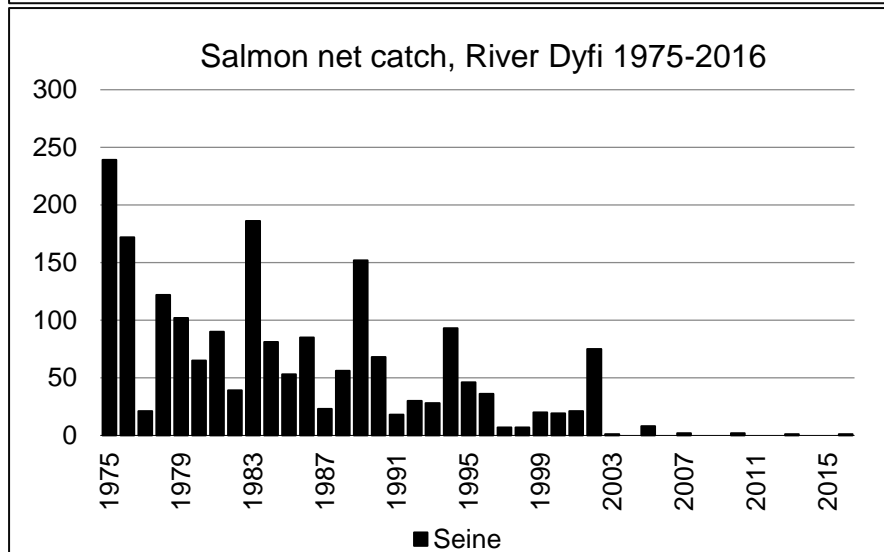
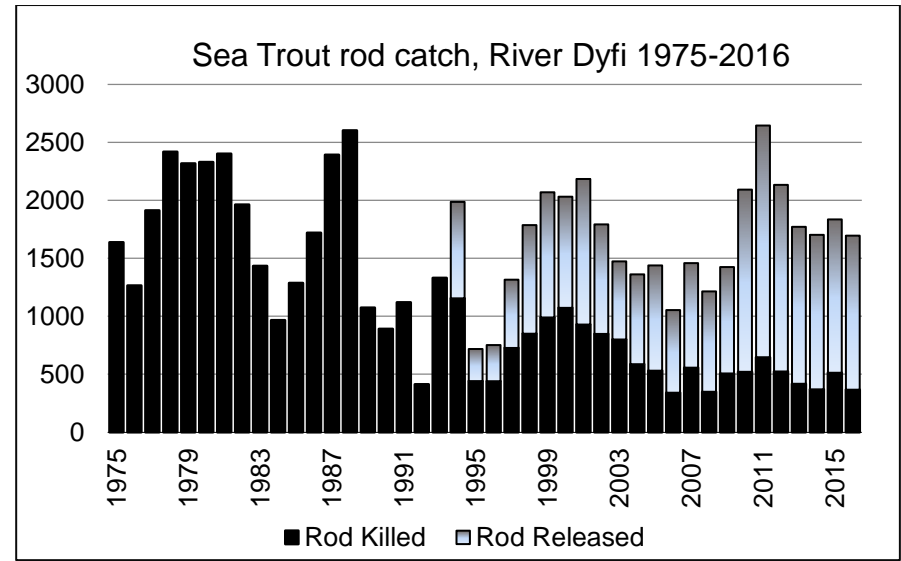
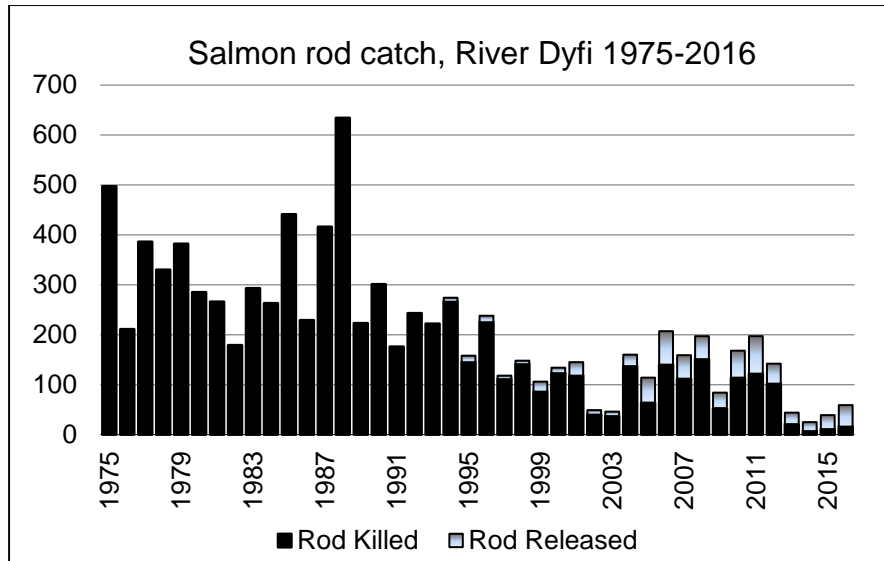
# River Dwyryd

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

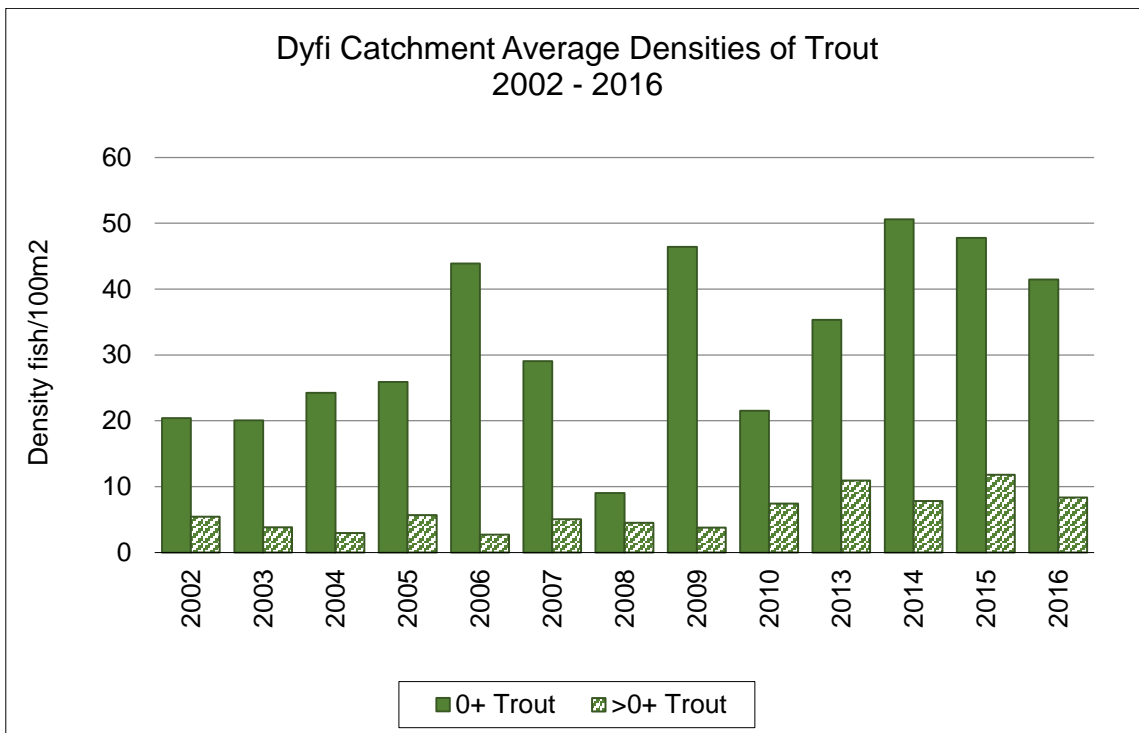
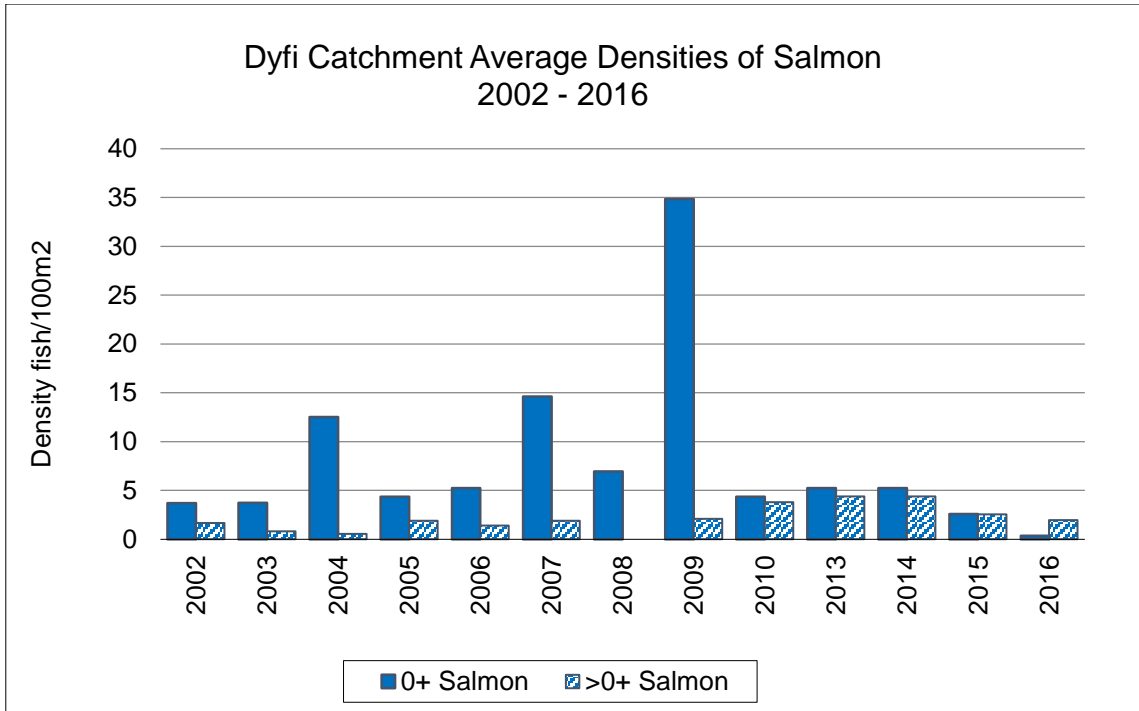
River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Teigl - 18			4.5	0.6	8.3	9.4	4.7	12.1	2.4	1.9	2.6	3.2	5.0	6.0	7%	67%	-49%	-47%

River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Teigl - 18			9.6	1.3	9.4	4.2	22.3	2.0	10.6	3.4	4.5	8.3	13.0	2.7	-58%	148%	-65%	208%

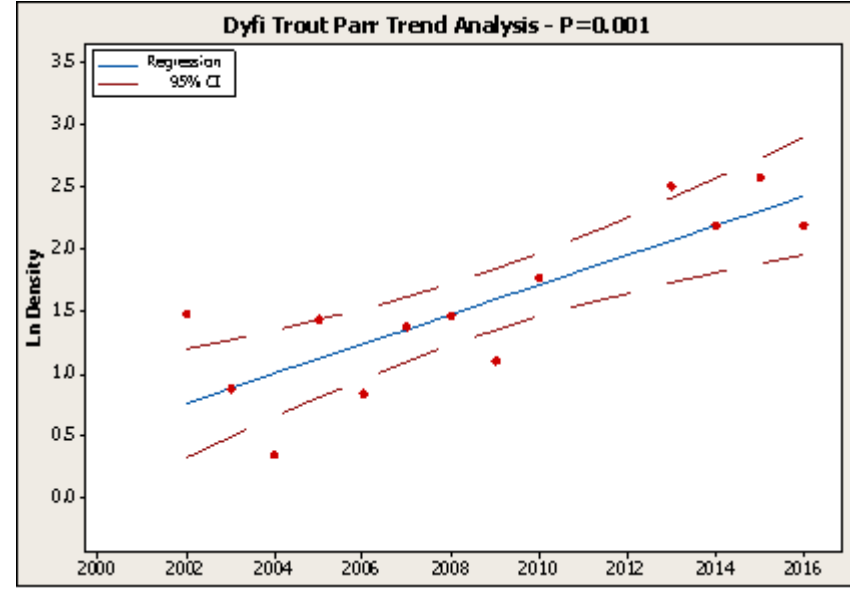
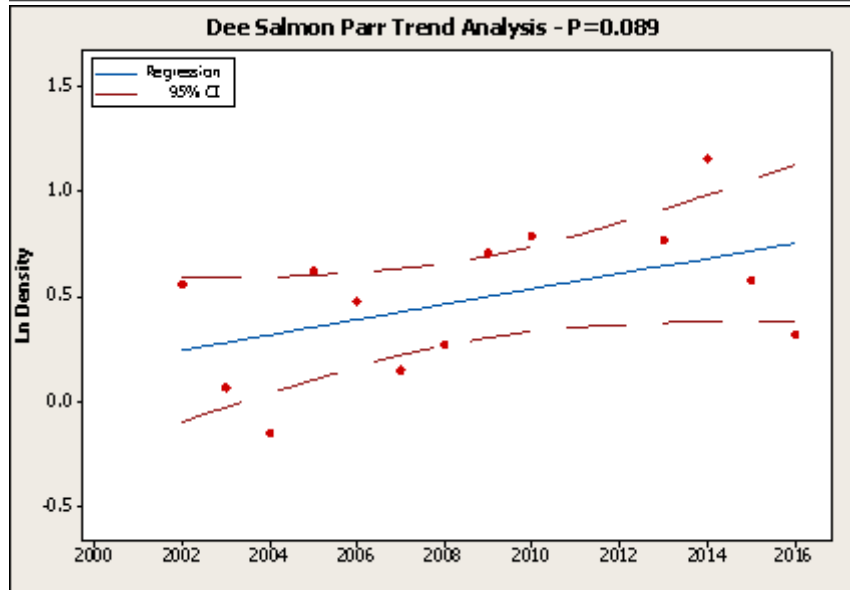
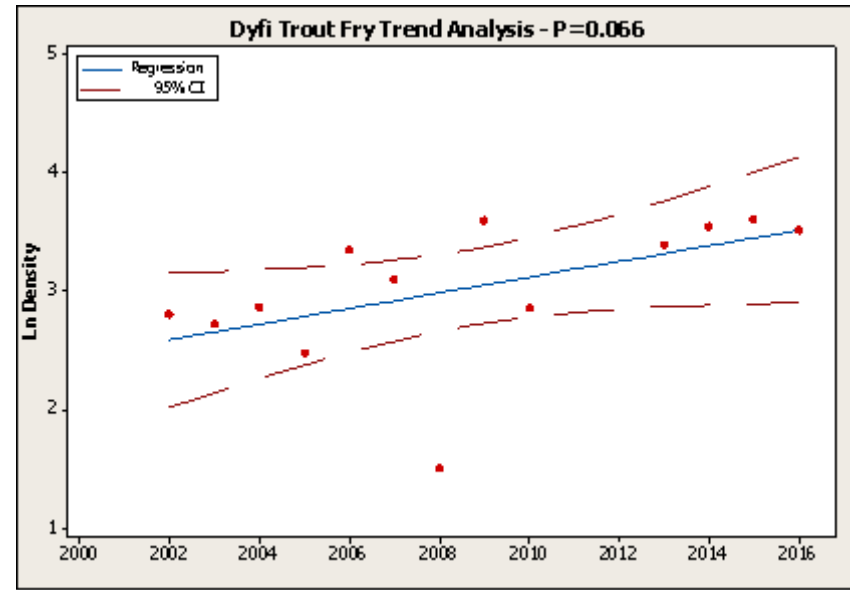
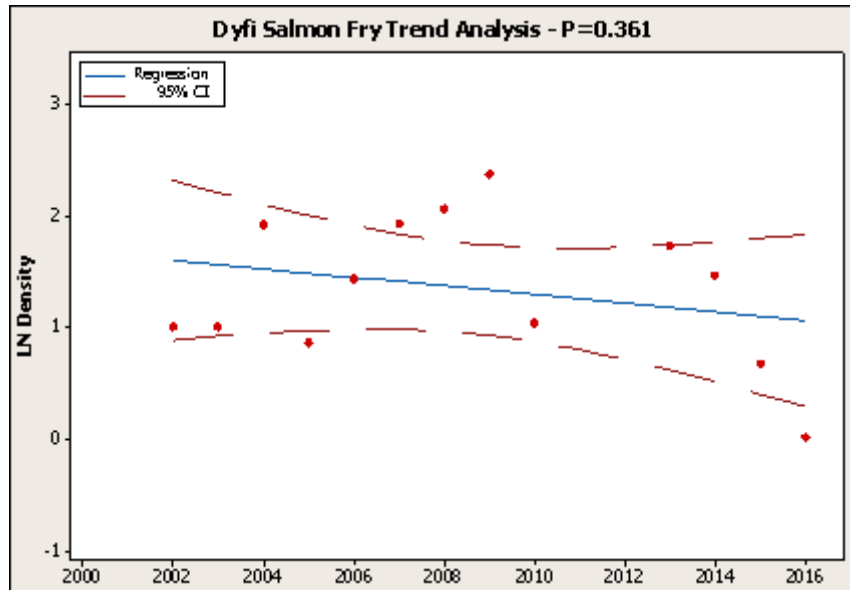
# River Dyfi



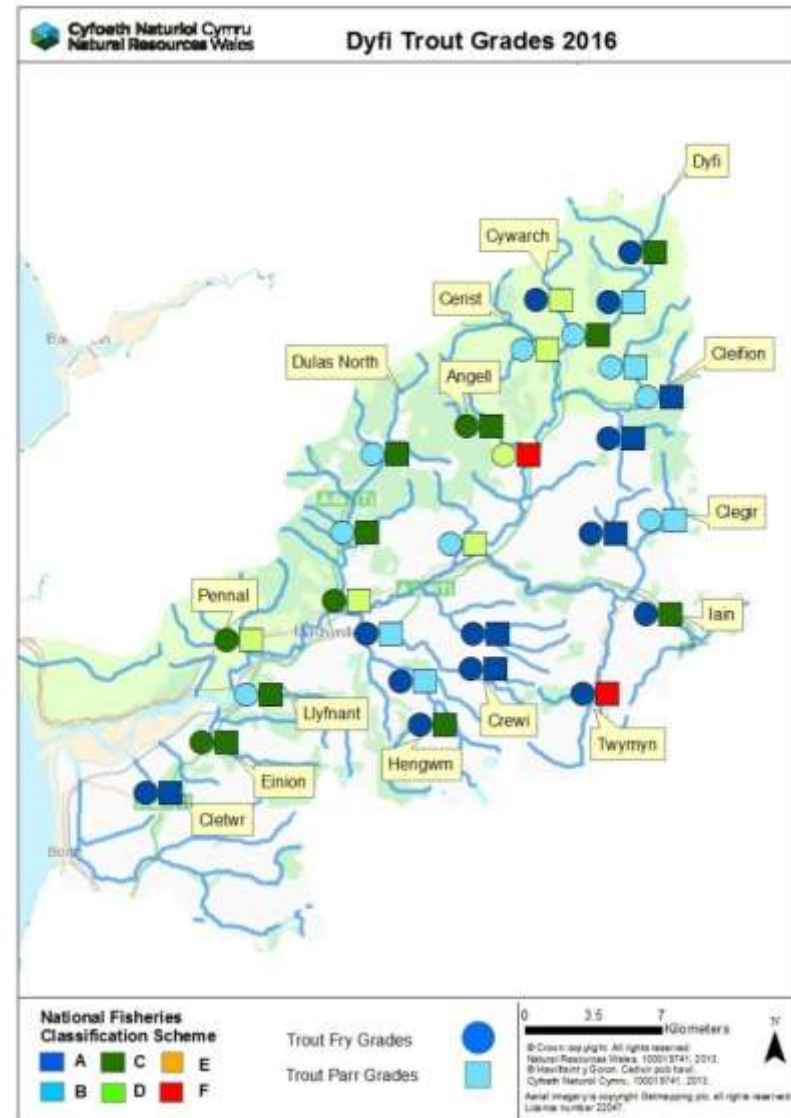
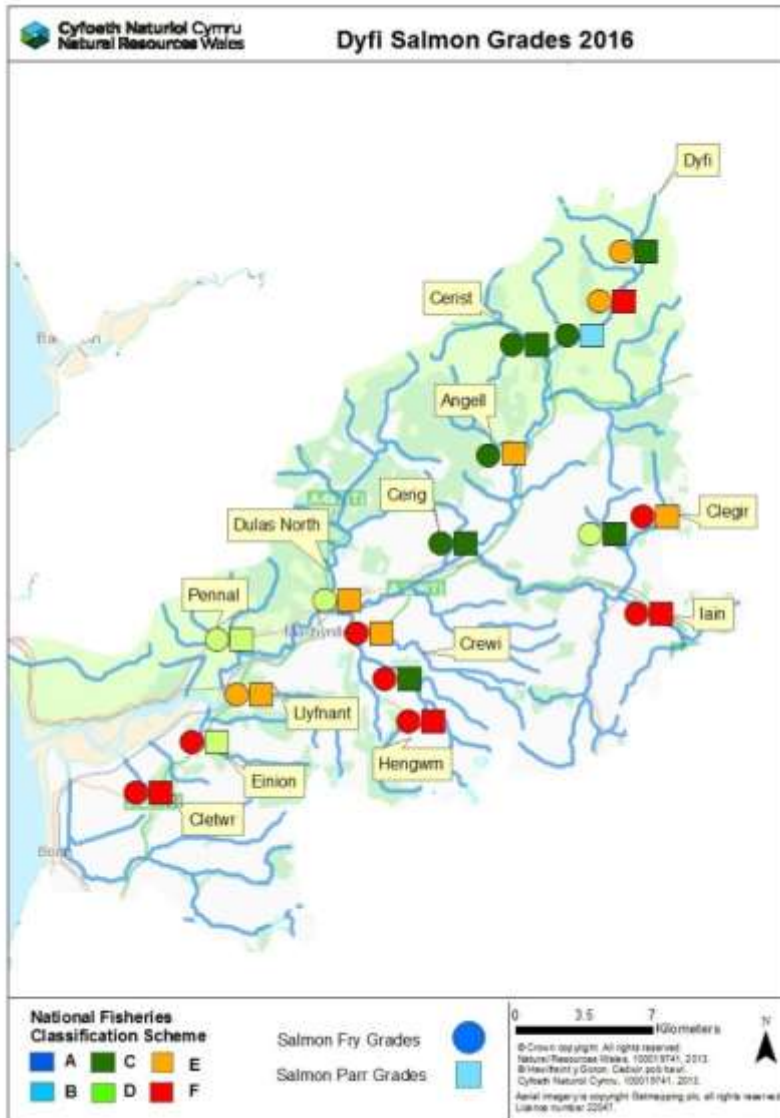
# River Dyfi



# River Dyfi



# River Dyfi



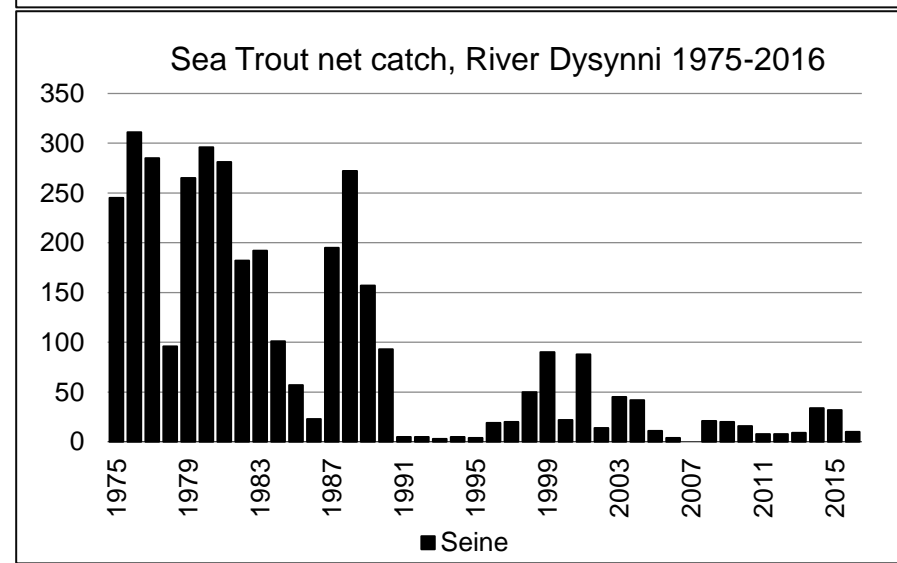
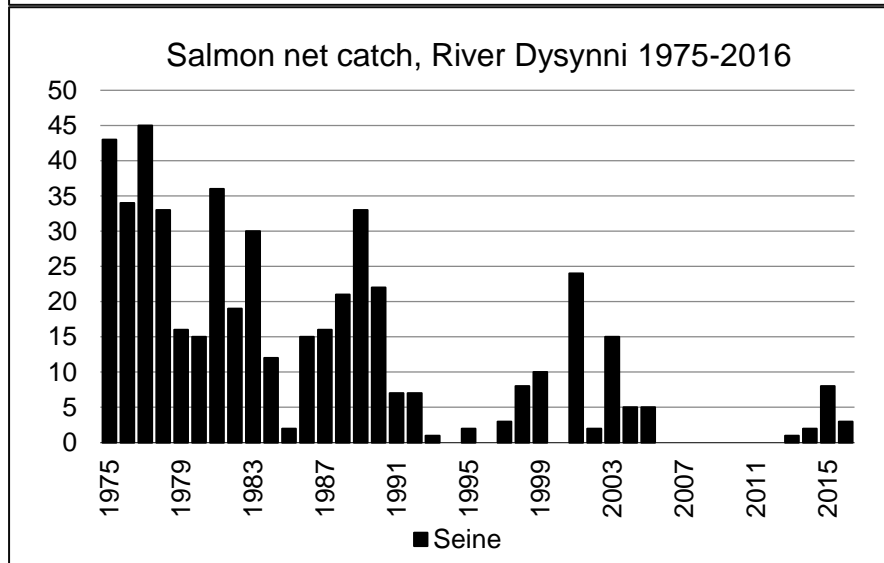
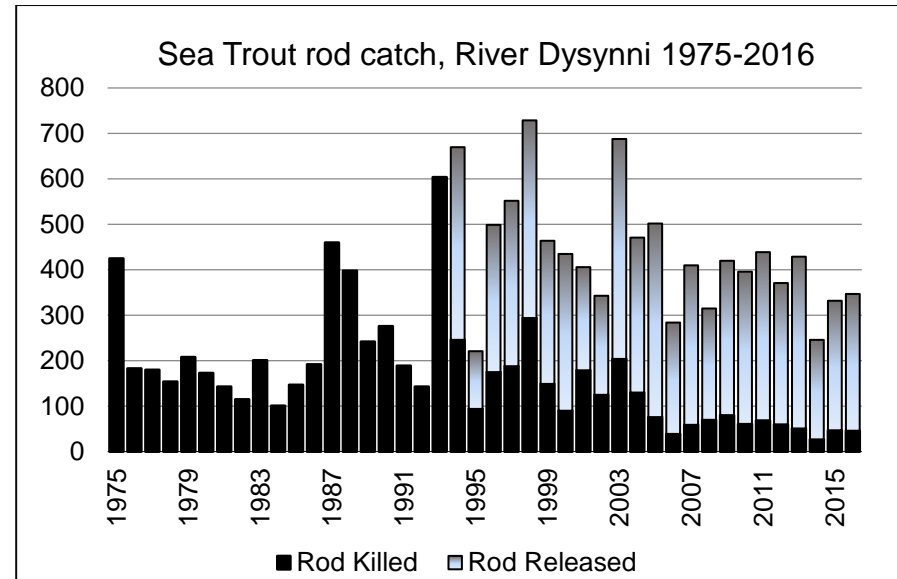
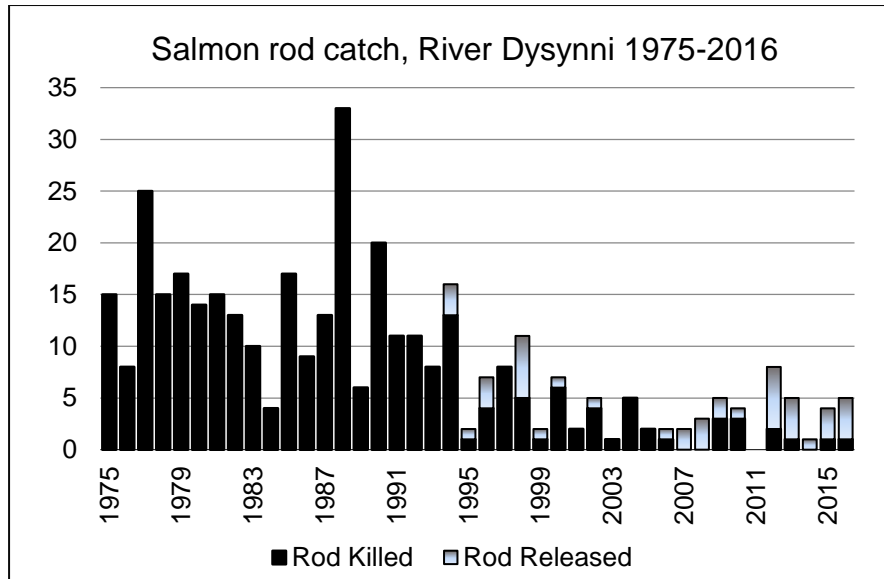
# River Dyfi

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Crewi - 5			5.4	1.3	1.9	3.2	0.0	1.5	0.0	0.5	2.4	2.0	0%	-67%	-100%	-76%		
Dulas N - 115			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0%	0%	0%		
Dyfi - 12			35.0	7.9	8.9	9.9	7.7	5.5	1.1	5.4	17.2	7.8	-86%	-3%	-94%	-31%		
Iain - 7			0.0	0.9	4.9	0.0	0.0	0.7	0.0	0.0	1.6	0.5	0%	-100%	-100%	-100%		
<b>Average</b>			<b>10.1</b>	<b>2.5</b>	<b>3.9</b>	<b>3.3</b>	<b>1.9</b>	<b>1.9</b>	<b>0.3</b>	<b>1.5</b>	<b>5.3</b>	<b>2.6</b>	<b>-86%</b>	<b>-24%</b>	<b>-95%</b>	<b>-43%</b>		

River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Crewi - 5			43.0	7.4	51.2	5.8	88.8	17.1	68.9	14.8	61.0	10.1	-22%	-13%	13%	47%		
Dulas N - 115			21.8	14.3	11.0	10.0	23.9	12.6	20.6	6.5	18.9	12.3	-14%	-49%	9%	-47%		
Dyfi - 12			25.6	13.8	42.2	8.4	27.3	10.3	43.9	5.7	31.7	10.8	61%	-45%	39%	-47%		
Iain - 7			50.9	8.2	98.0	7.1	51.1	7.2	32.3	6.3	66.7	7.5	-37%	-12%	-51%	-16%		
<b>Average</b>			<b>35.3</b>	<b>10.9</b>	<b>50.6</b>	<b>7.8</b>	<b>47.8</b>	<b>11.8</b>	<b>41.4</b>	<b>8.3</b>	<b>44.6</b>	<b>10.2</b>	<b>-13%</b>	<b>-29%</b>	<b>-7%</b>	<b>-18%</b>		

# River Dysynni



# River Dysynni

No surveys were carried out on the Dysynni during 2016 due to high flows. The following maps show the juvenile salmonid survey data collected in 2015.





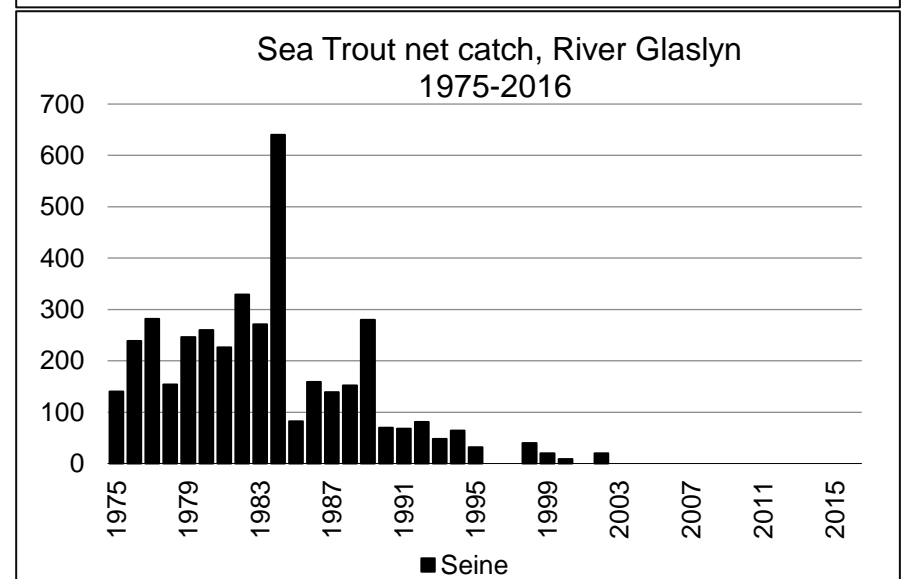
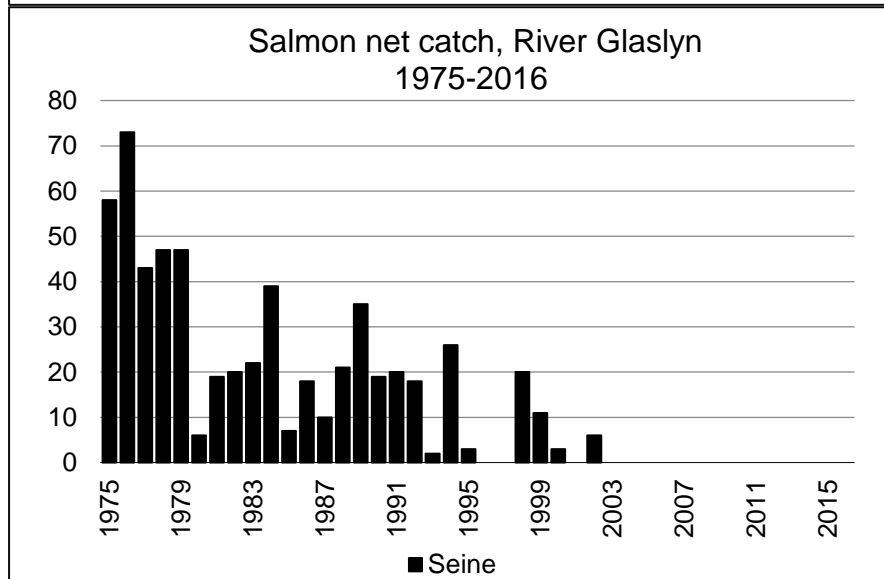
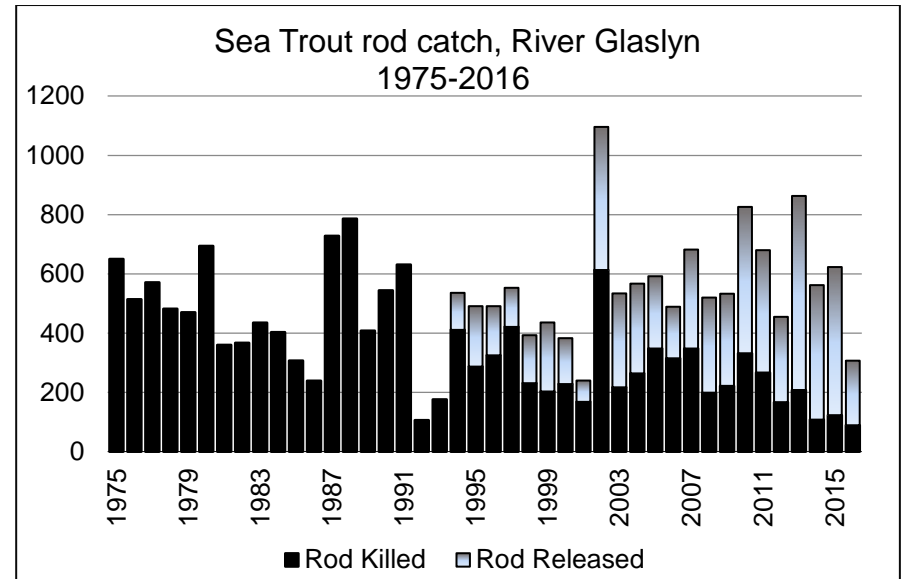
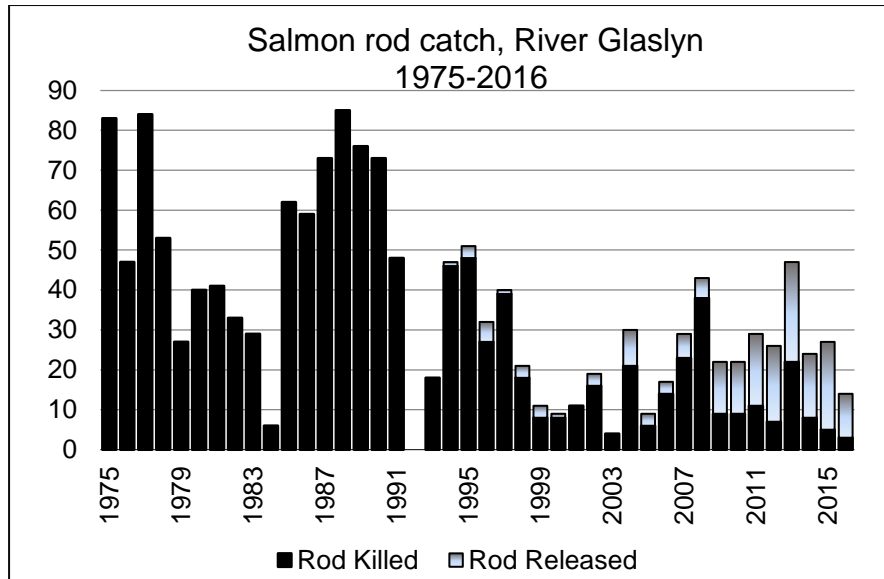
# River Dysynni

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

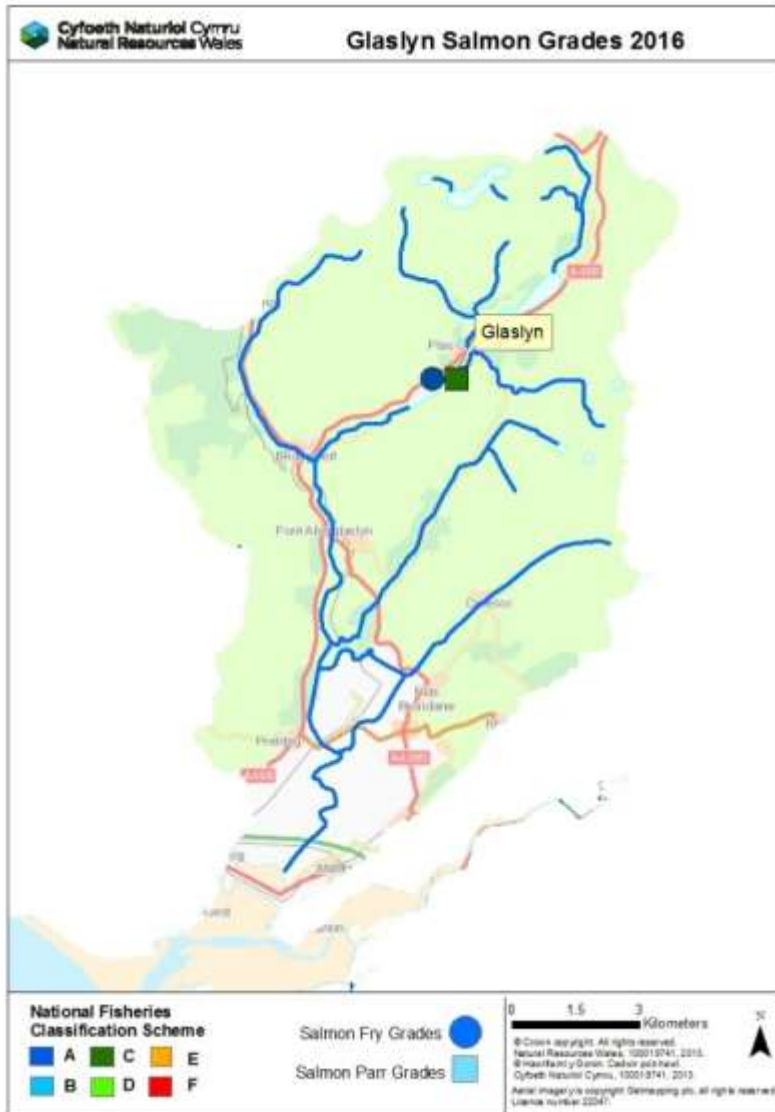
River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Dysynni - 33					35.5	4.8	1.9	9.4	1.3	3.9			12.9	6.0				

River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Dysynni - 33					15.5	1.8	22.2	5.0	10.3	17.1			16.0	8.0				

# River Glaslyn



# River Glaslyn



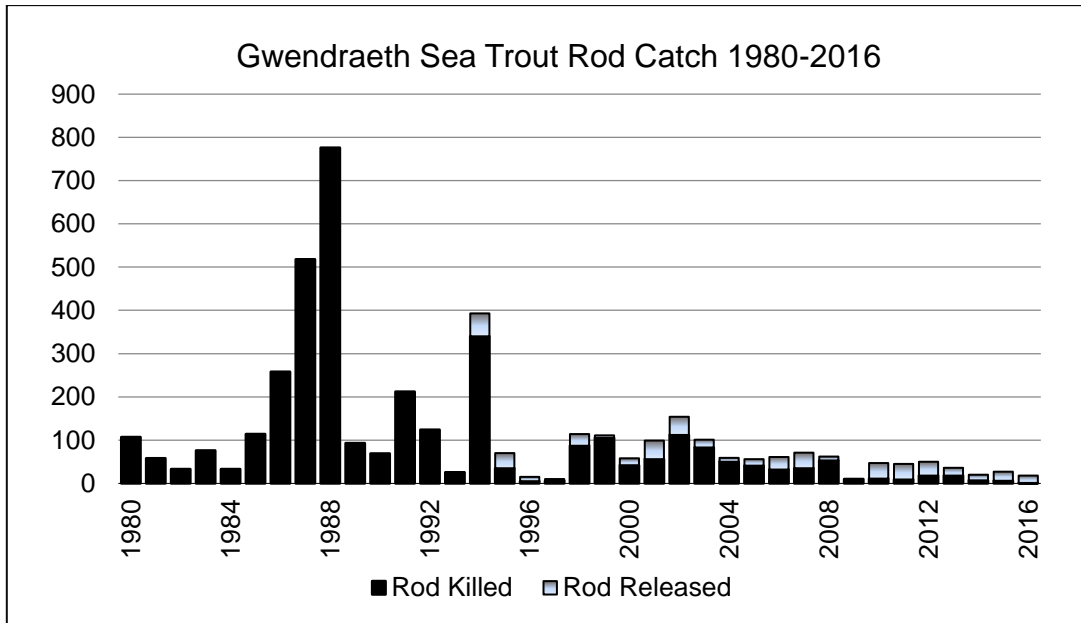
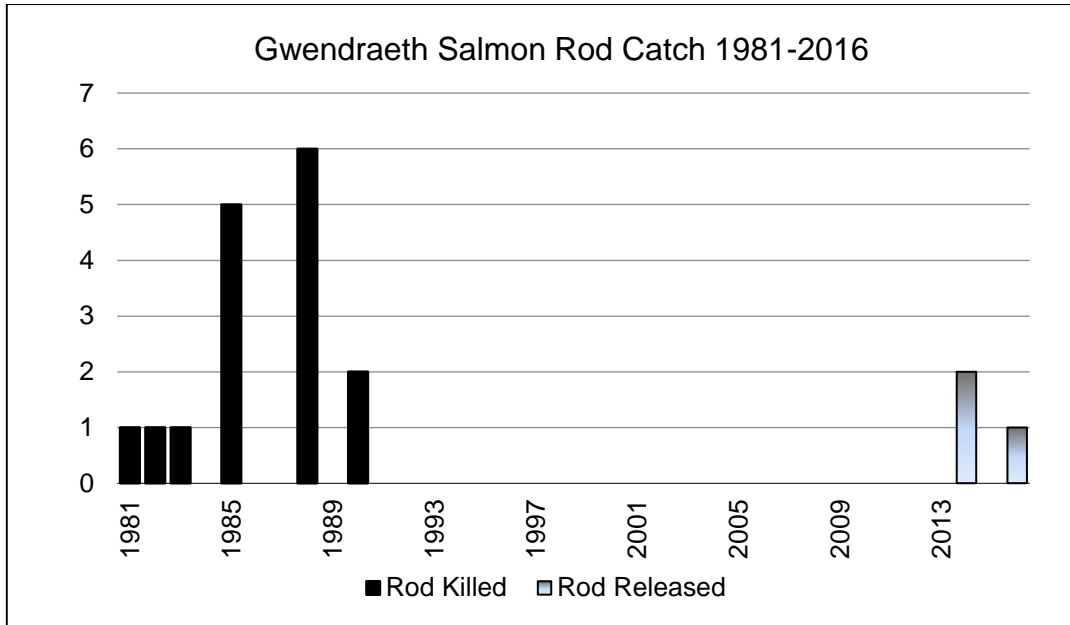
# River Glaslyn

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Nant Gwynant - 6			49.2	4.1	25.5	1.3	45.3	1.9	85.7	3.9	48.0	4.8	51.4	2.8	-44%	22%	-7%	70%

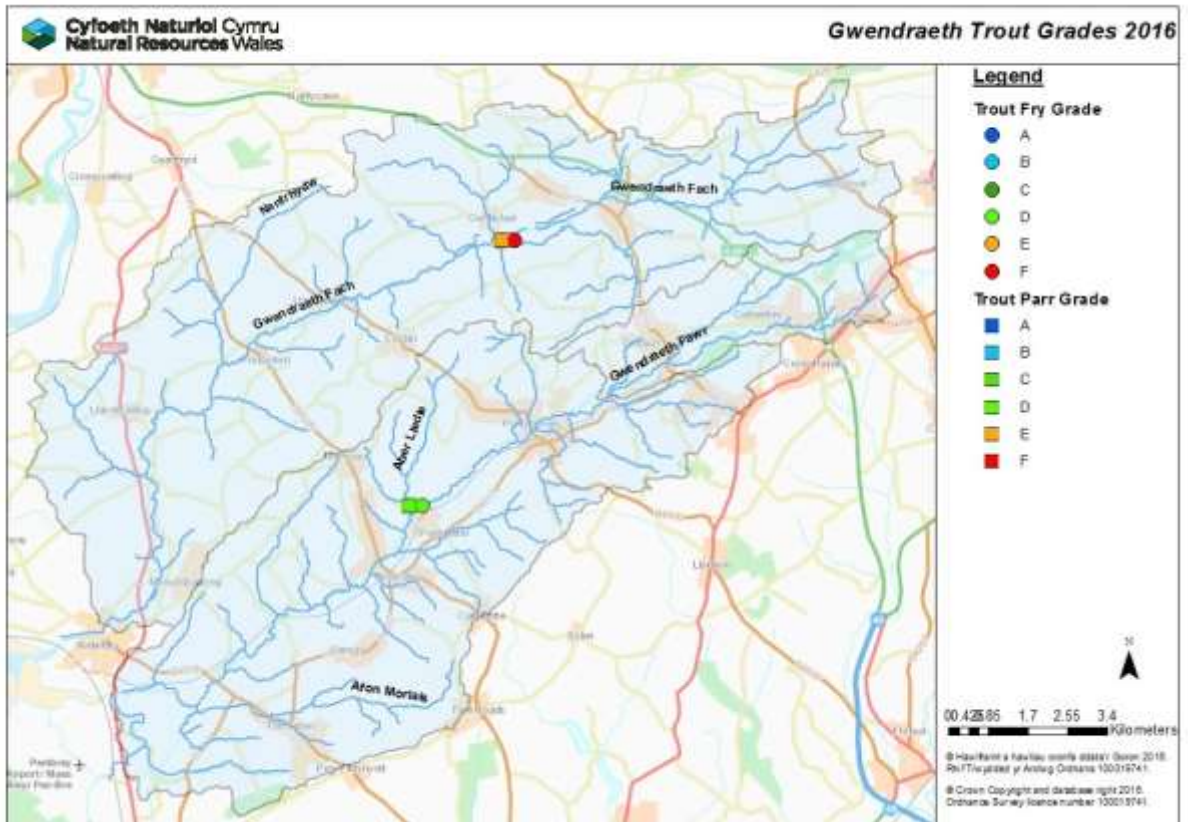
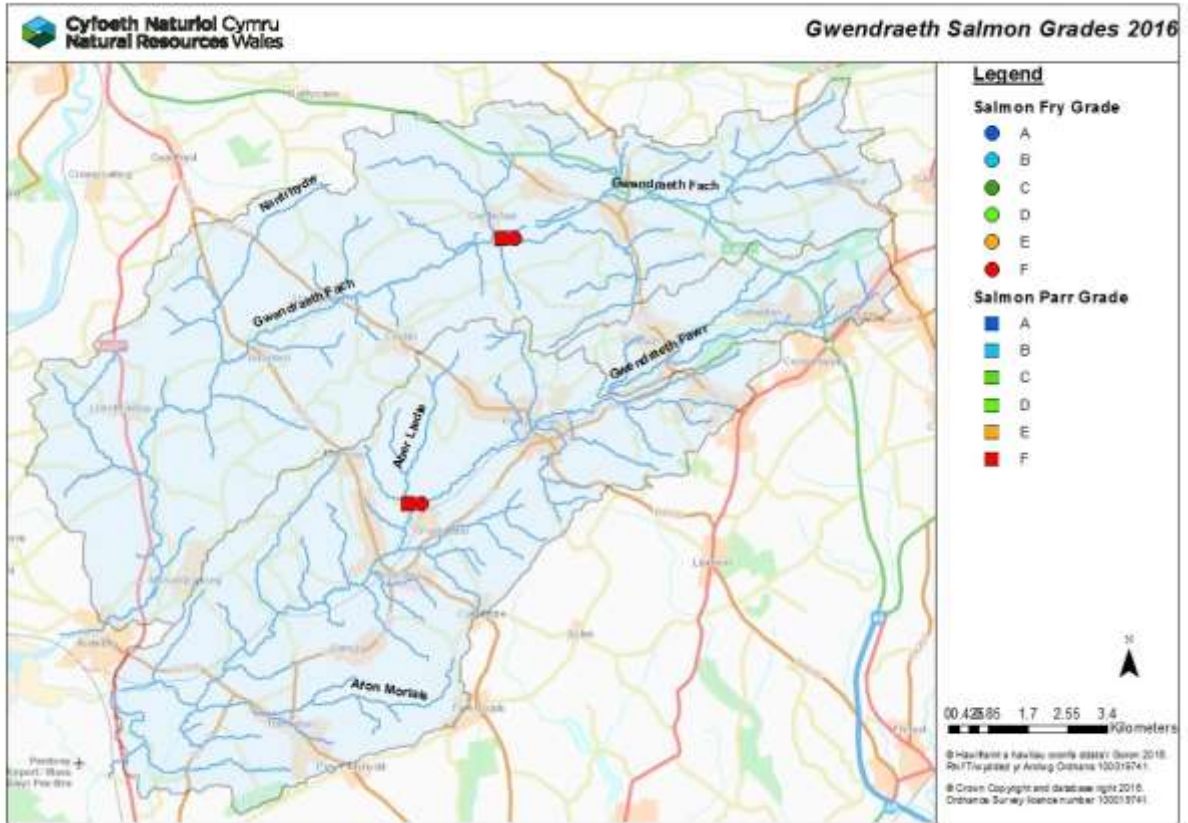
River - Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Nant Gwynant - 6			3.7	0.2	17.4	0.0	3.2	0.0	7.7	0.0	5.4	0.2	8.0	0.1	-29%	+	-32%	307%

# River Gwendraeth



There is no salmon or sea trout net fishery on the Gwendraeth

# River Gwendraeth



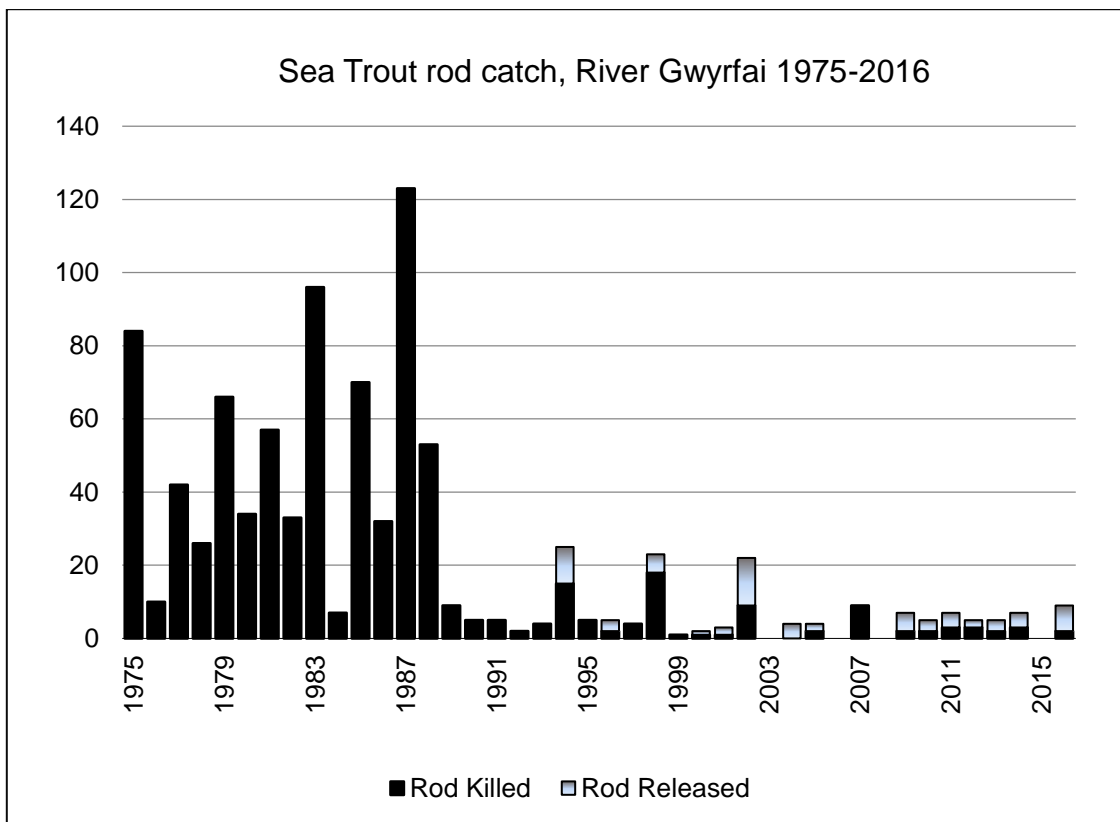
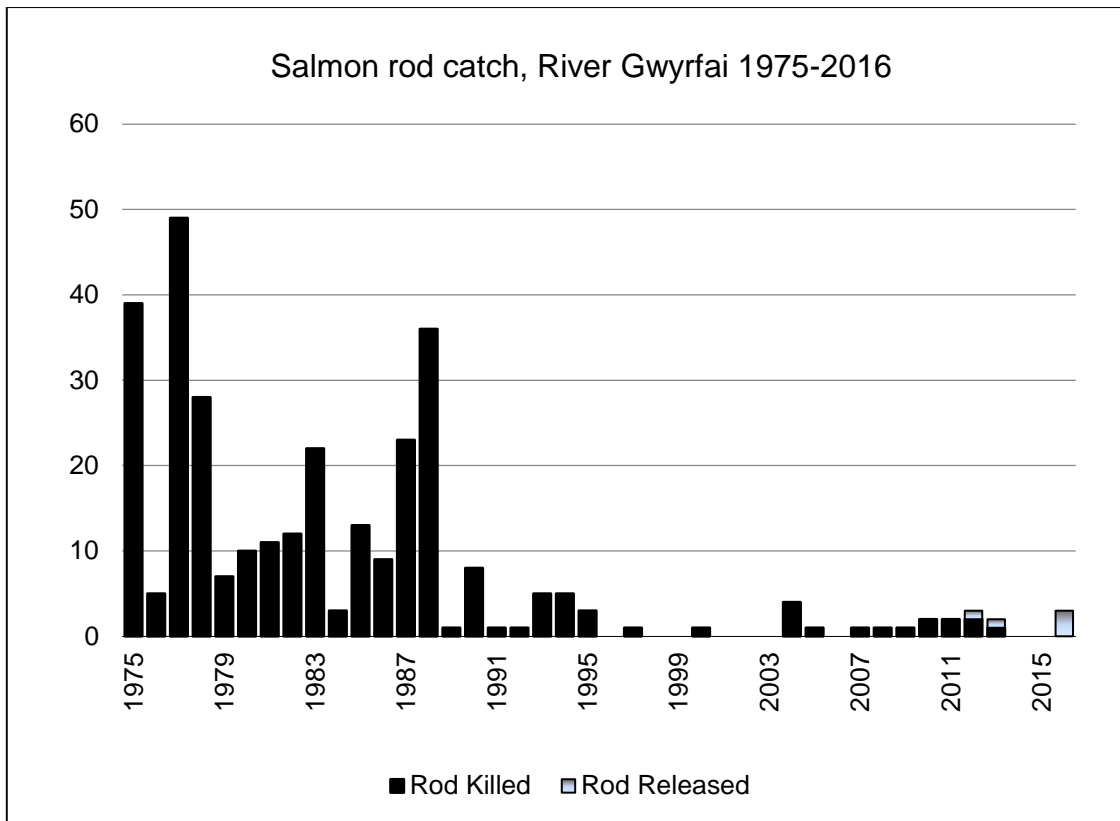
# River Gwendraeth

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Gwendraeth Fawr - GR04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.2	0.0	-100%	0%	-100%	0%
Gwendraeth Fach - GH02	2.3	1.1	2.4	0.8	14.7	0.0	1.2	0.0	1.3	0.0	0.0	0.0	4.4	0.4	-100%	0%	-100%	-100%
<b>Average</b>	<b>1.1</b>	<b>0.6</b>	<b>1.2</b>	<b>0.4</b>	<b>7.3</b>	<b>0.0</b>	<b>0.6</b>	<b>0.0</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.3</b>	<b>0.2</b>	<b>-100%</b>	<b>0%</b>	<b>-100%</b>	<b>-100%</b>

River – Site name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Gwendraeth Fawr - GR04	114.4	6.2	12.7	21.8	38.8	16.5	68.3	7.5	37.5	4.8	9.6	11.1	54.4	11.4	-74%	130%	-82%	-3%
Gwendraeth Fach - GH02	18.4	12.1	1.6	2.8	0.0	1.3	3.7	2.5	5.1	2.5	0.0	1.2	5.8	4.2	-100%	-54%	-100%	-72%
<b>Average</b>	<b>66.4</b>	<b>9.1</b>	<b>7.2</b>	<b>12.3</b>	<b>19.4</b>	<b>8.9</b>	<b>36.0</b>	<b>5.0</b>	<b>21.3</b>	<b>3.7</b>	<b>4.8</b>	<b>6.1</b>	<b>30.1</b>	<b>7.8</b>	<b>-77%</b>	<b>67%</b>	<b>-84%</b>	<b>-22%</b>

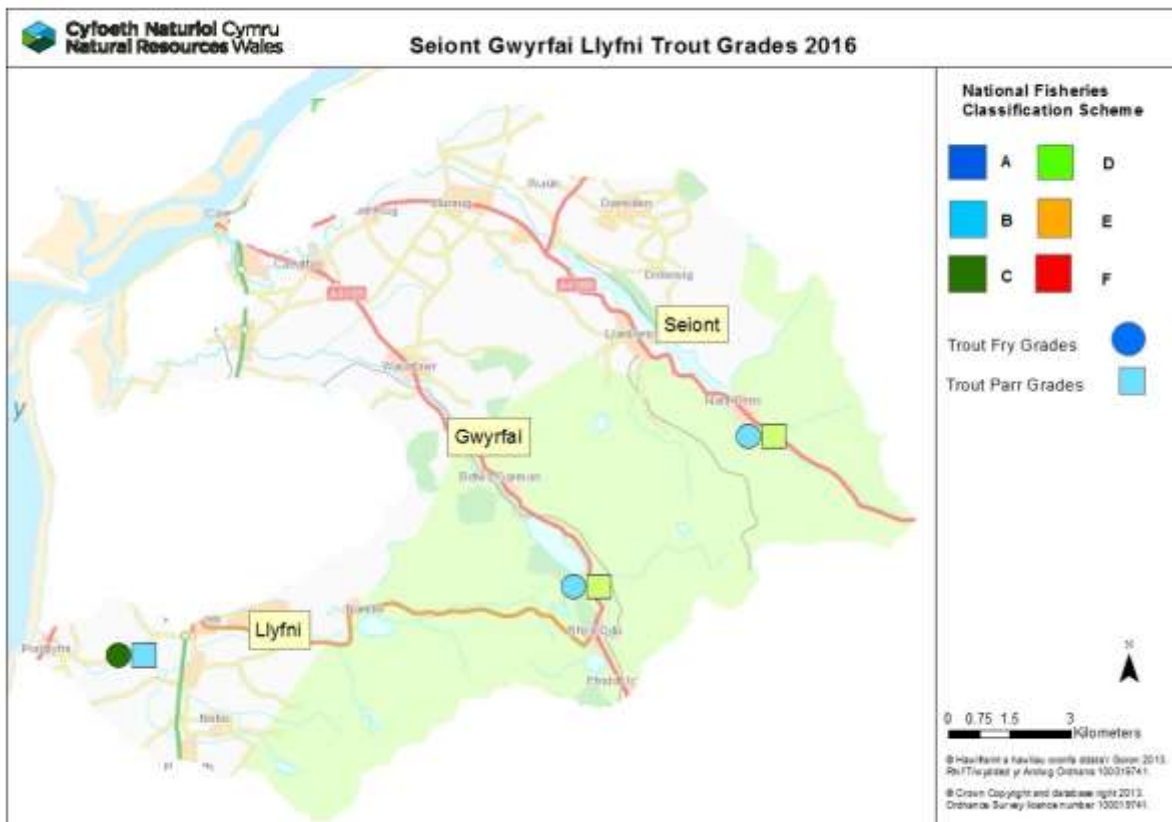
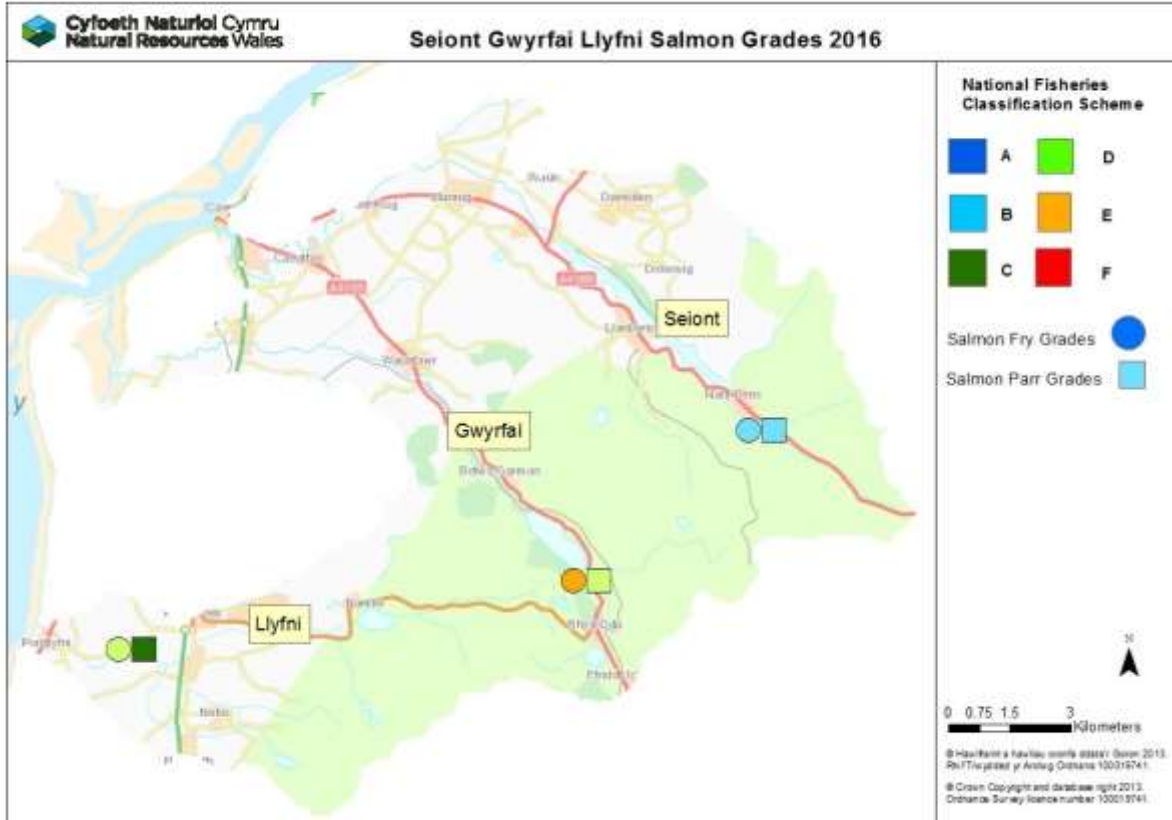
# River Gwyrfai



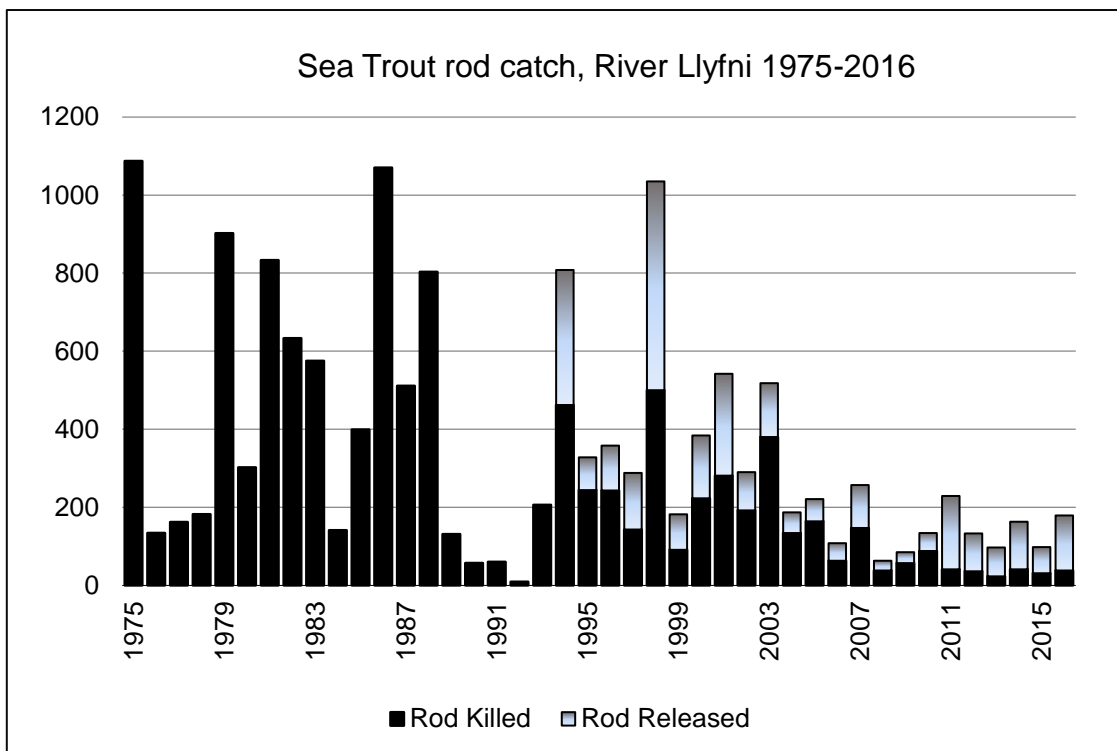
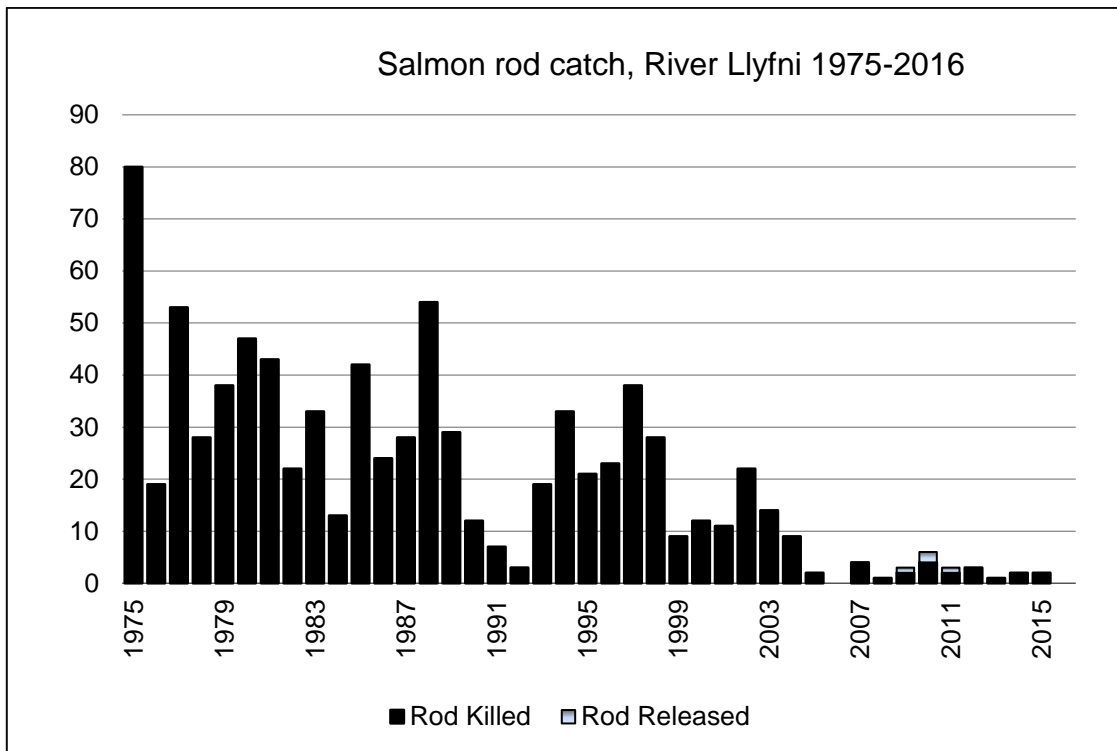
There is no net fishery for salmon or sea trout on the Gwyrfai



# River Gwyrfai

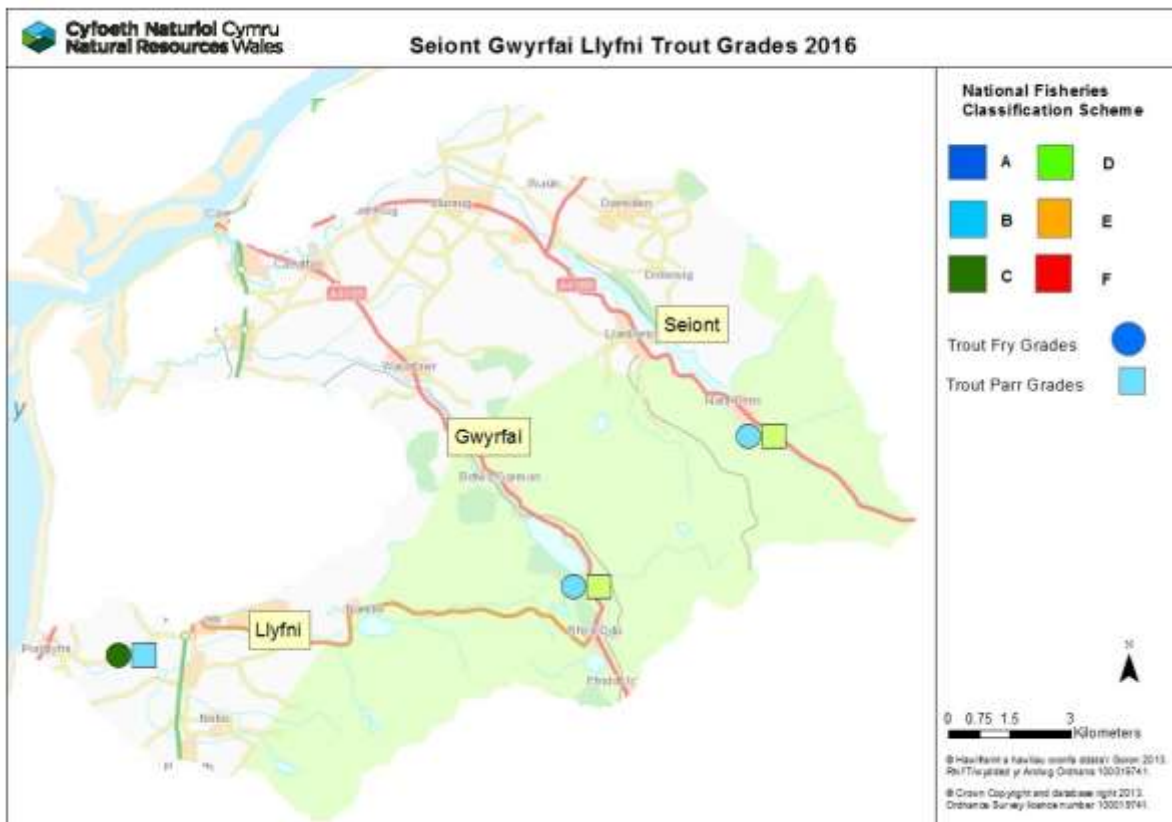
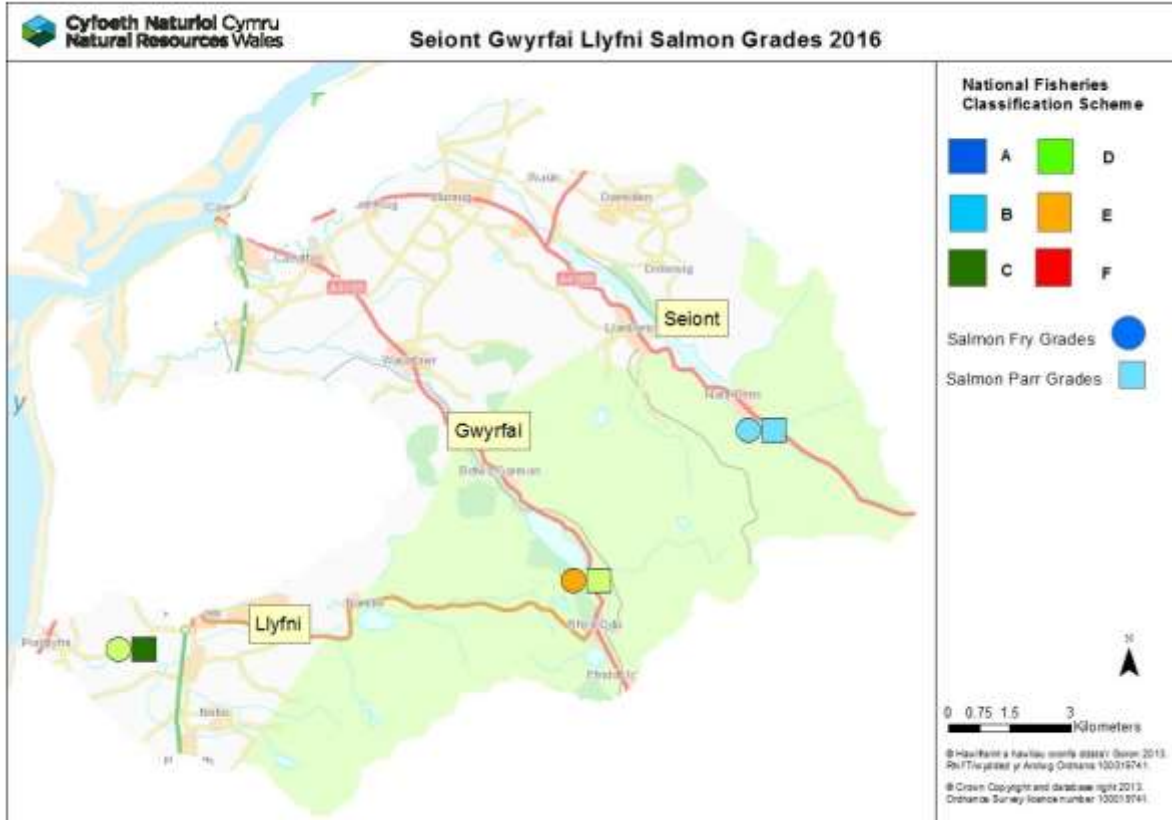


# River Llyfni

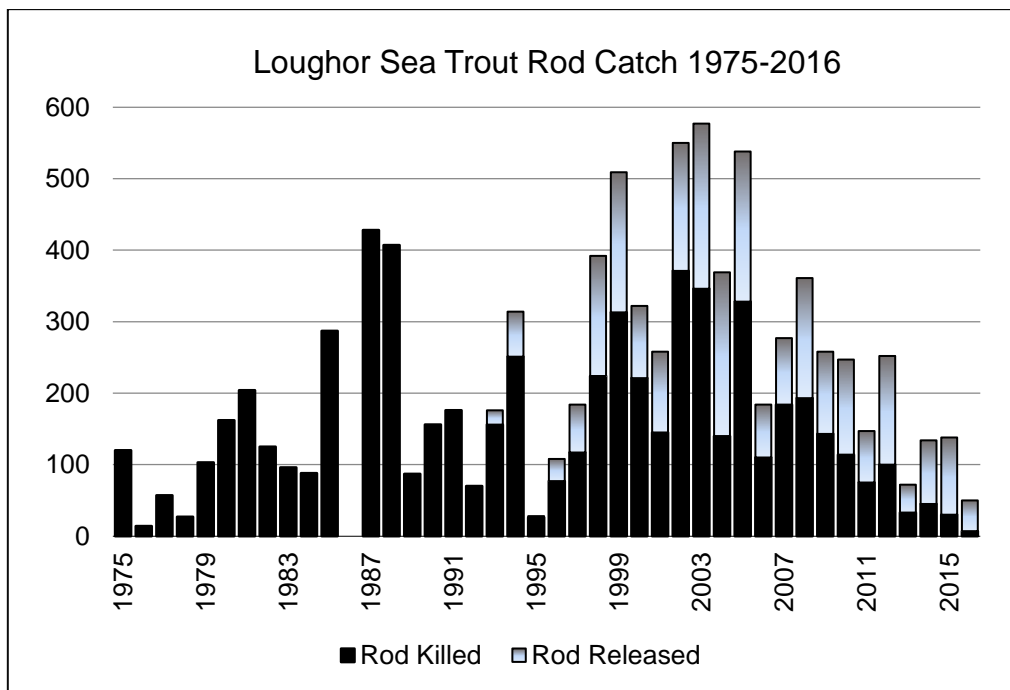
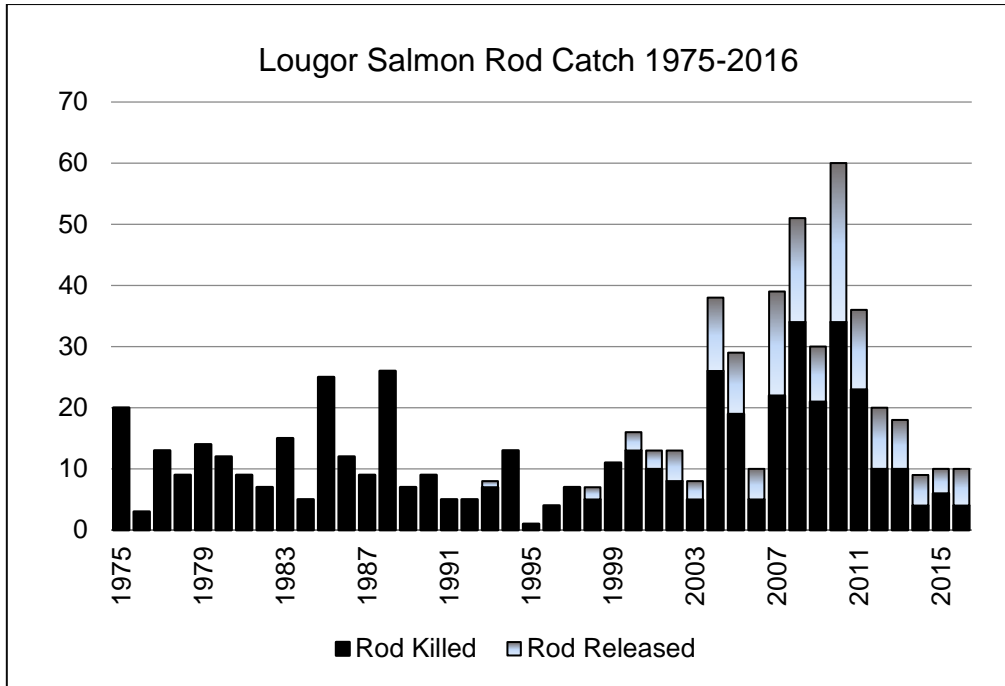


There is no net fishery for salmon or sea trout on the Llyfni

# River Llyfni

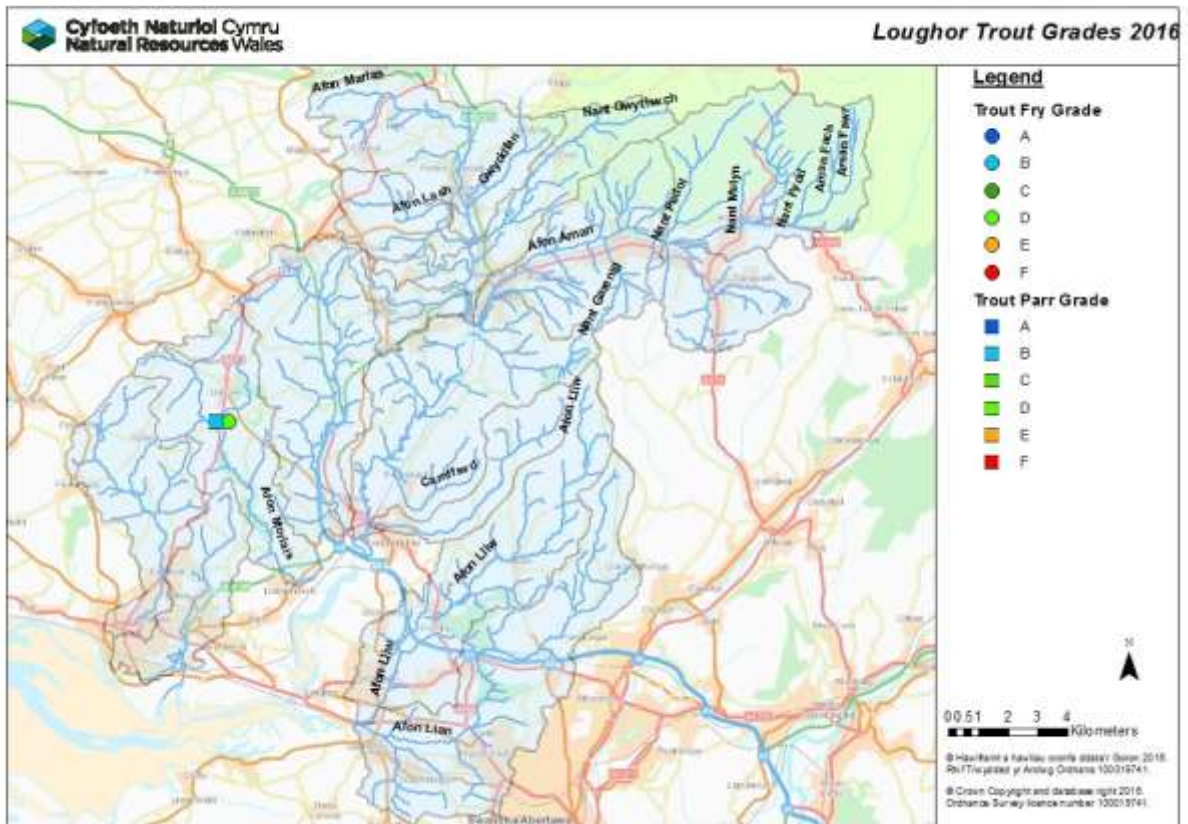
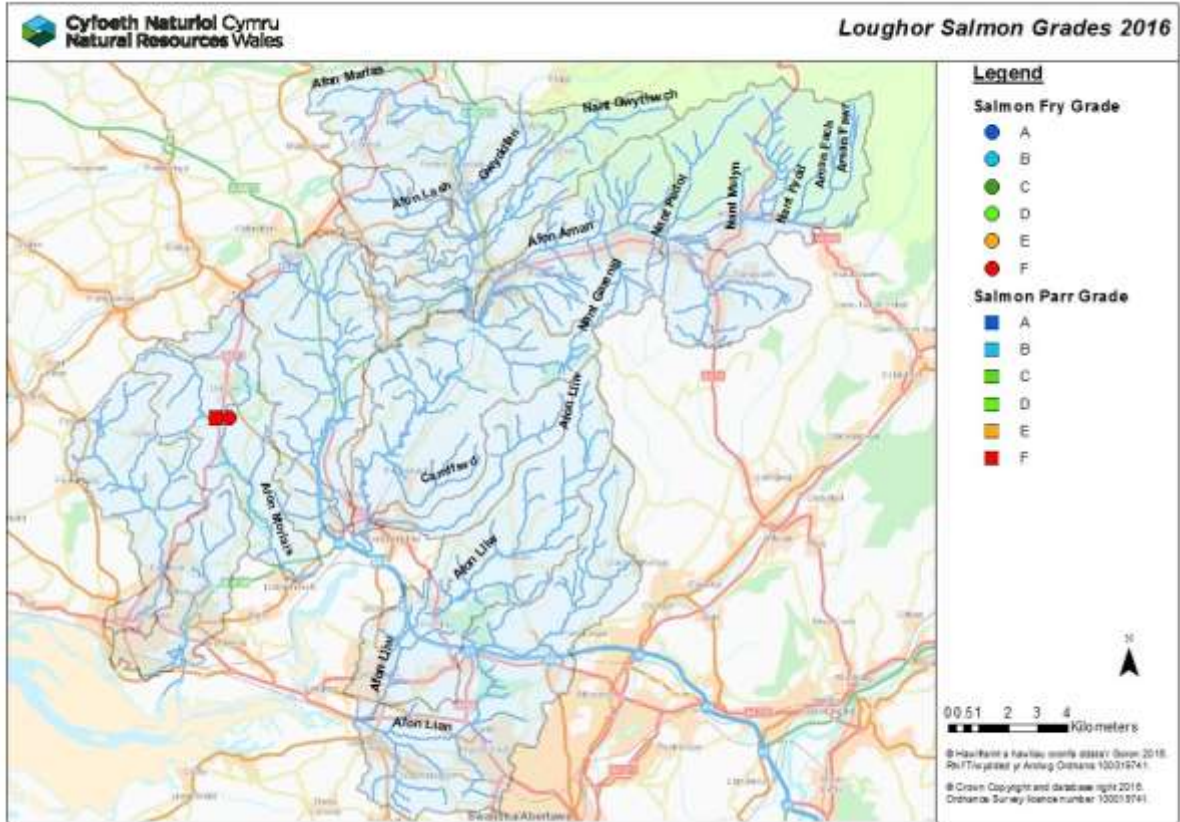


# River Loughor



There is no net fishery for salmon or sea trout on the Loughor

# River Loughor



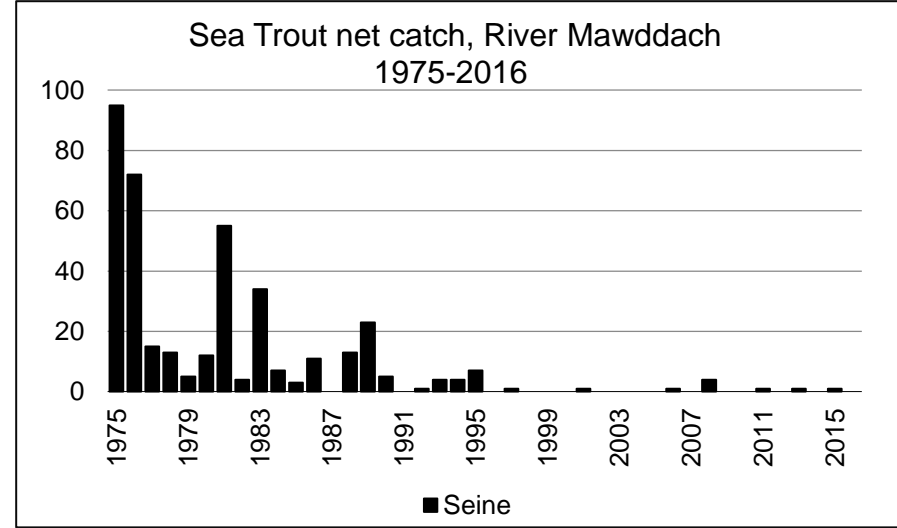
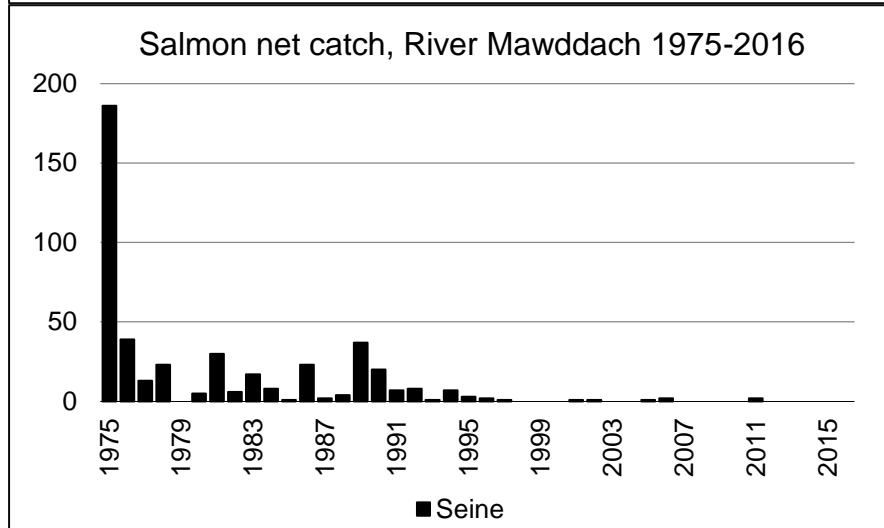
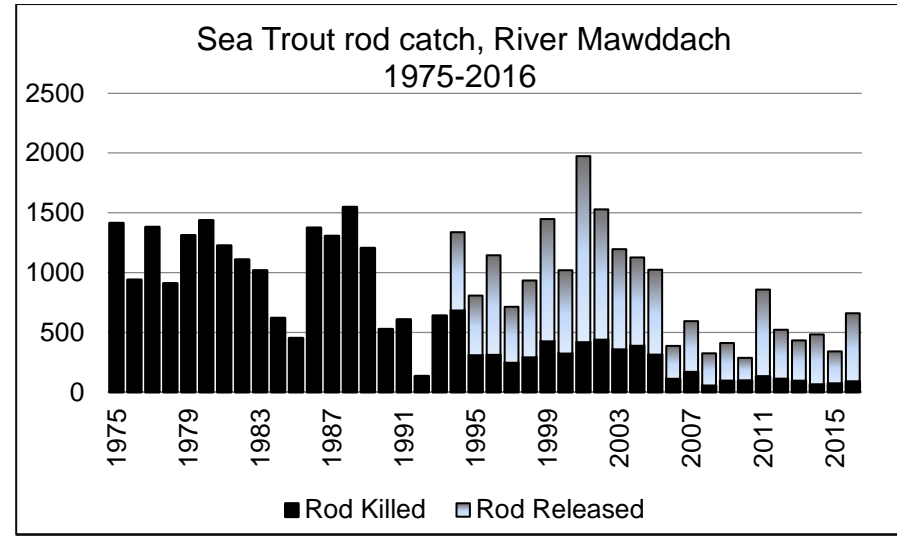
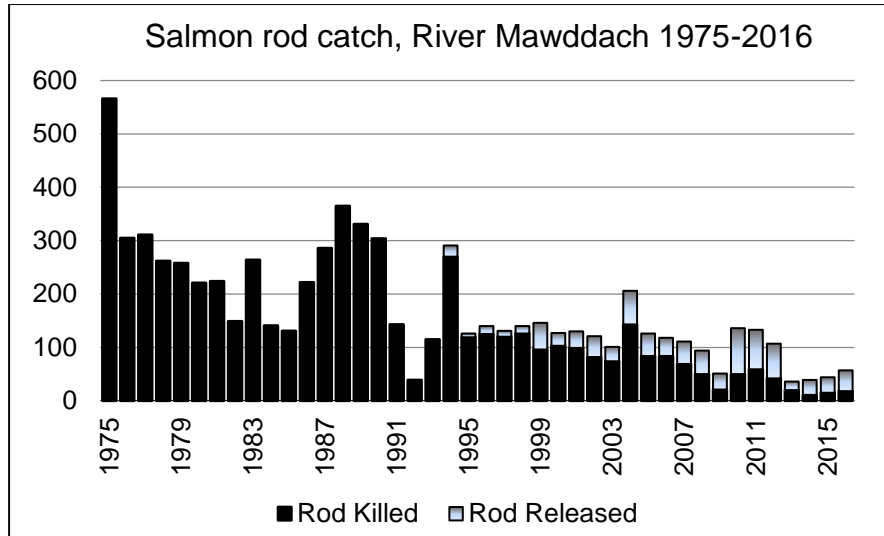
# River Loughor

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

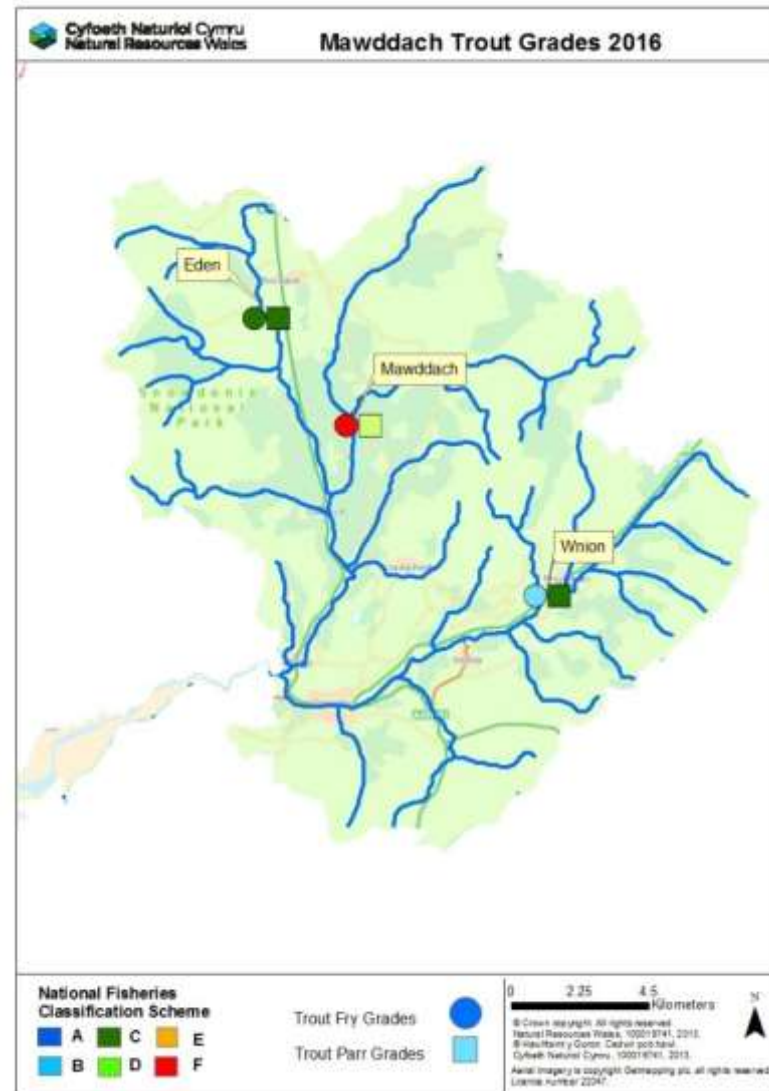
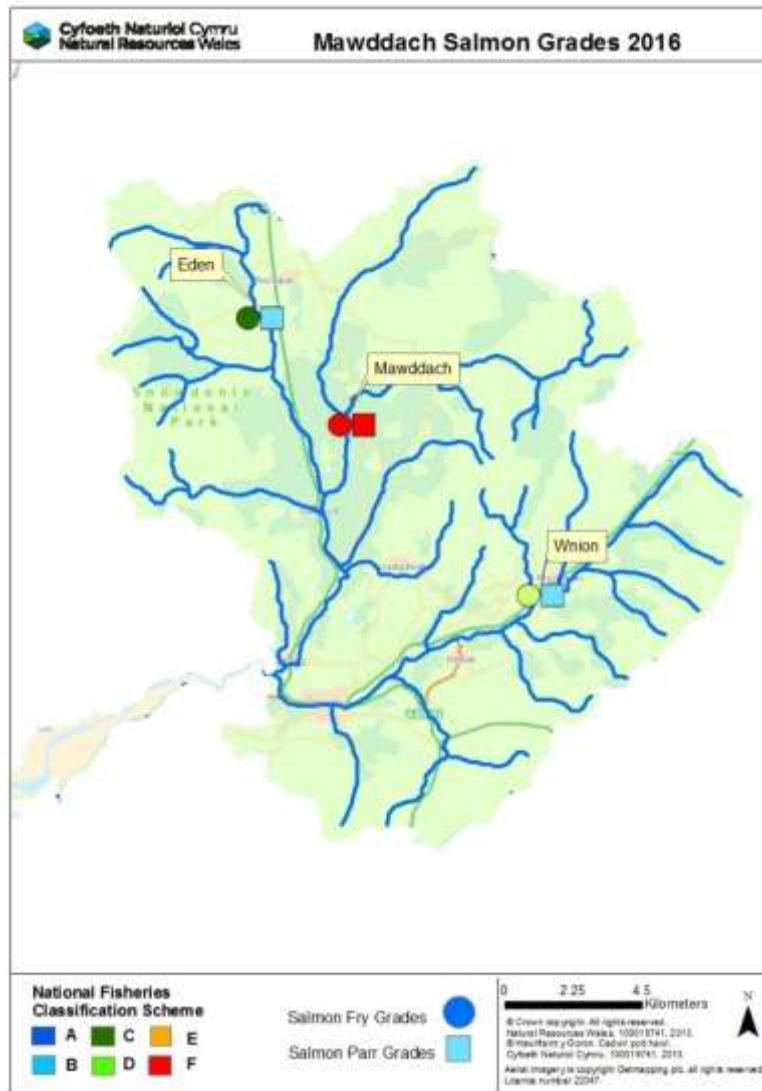
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Morlais - LO12	1.7	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0%	0%	-100%	-100%

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Morlais - LO12	48.9	66.1	16.5	42.4	10.8	48.3	38.6	41.4	9.0	38.1	7.8	41.5	24.8	47.3	-14%	9%	-69%	-12%

# River Mawddach



# River Mawddach





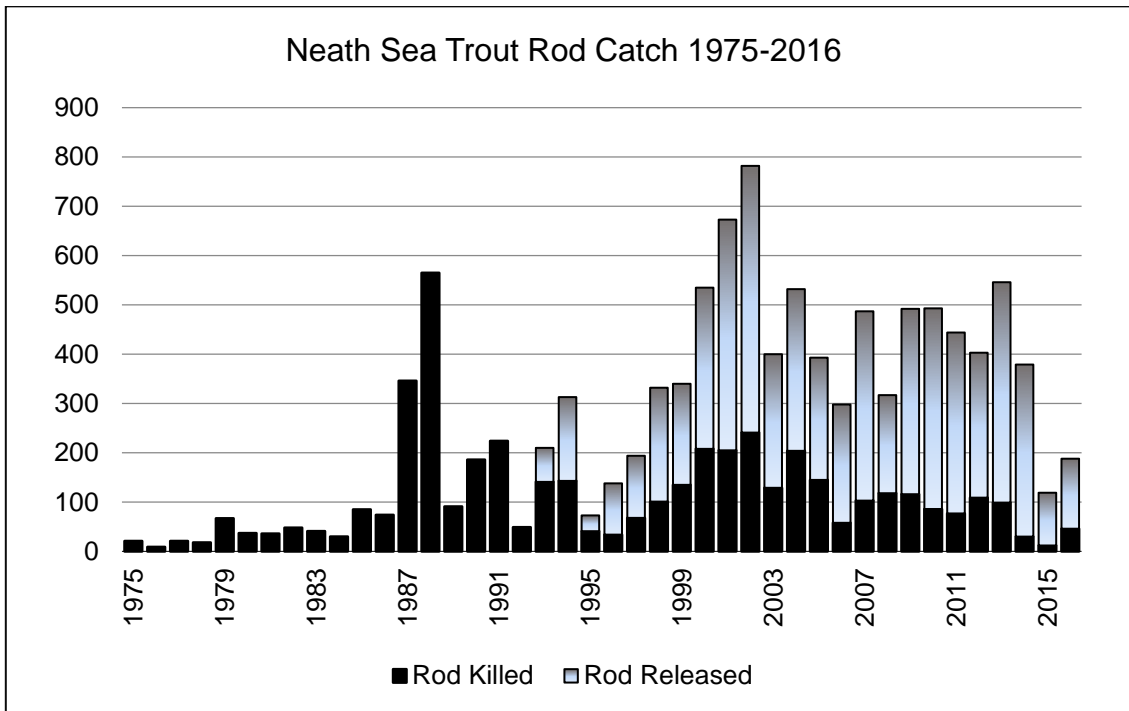
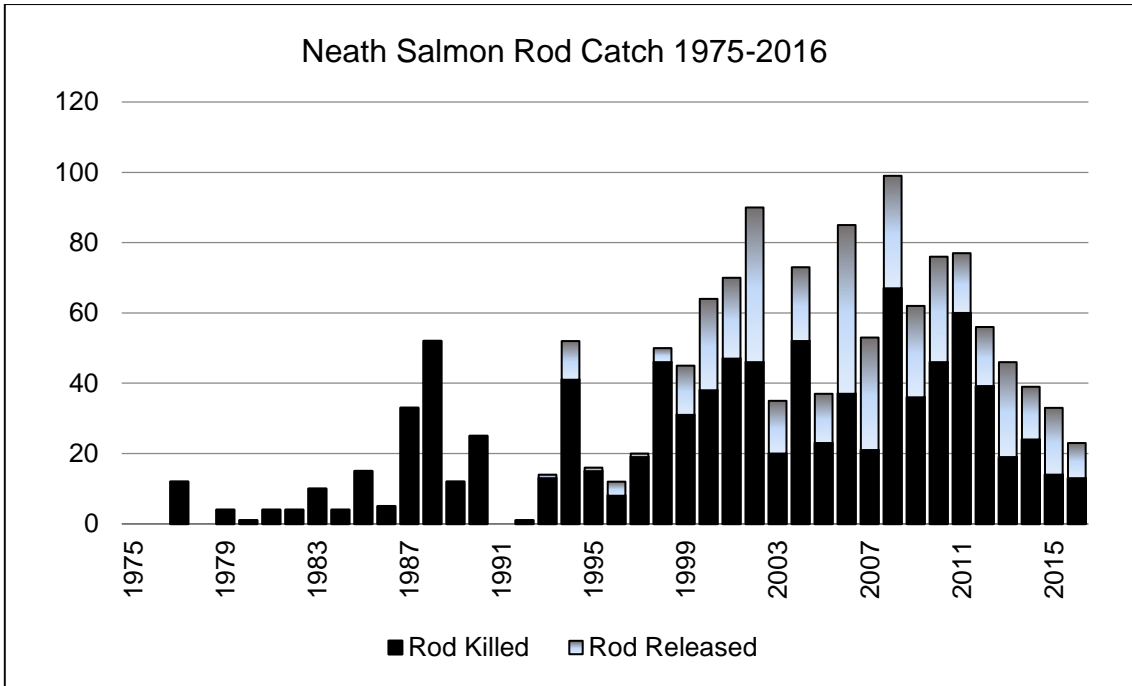
# River Mawddach

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Eden - 108			49.0	19.7	81.7	20.6	29.0	12.1	14.4	9.2	53.2	17.5	-50%	-25%	-73%	-48%		
Wnion - 33			80.4	7.6	21.8	14.6	43.6	14.2	9.2	14.2	5.0	6.1	38.8	12.6	-46%	-57%	-87%	-51%
<b>Average</b>			<b>80.4</b>	<b>7.6</b>	<b>35.4</b>	<b>17.1</b>	<b>62.7</b>	<b>17.4</b>	<b>19.1</b>	<b>13.2</b>	<b>9.7</b>	<b>7.6</b>	<b>49.4</b>	<b>13.8</b>	<b>-49%</b>	<b>-42%</b>	<b>-80%</b>	<b>-45%</b>

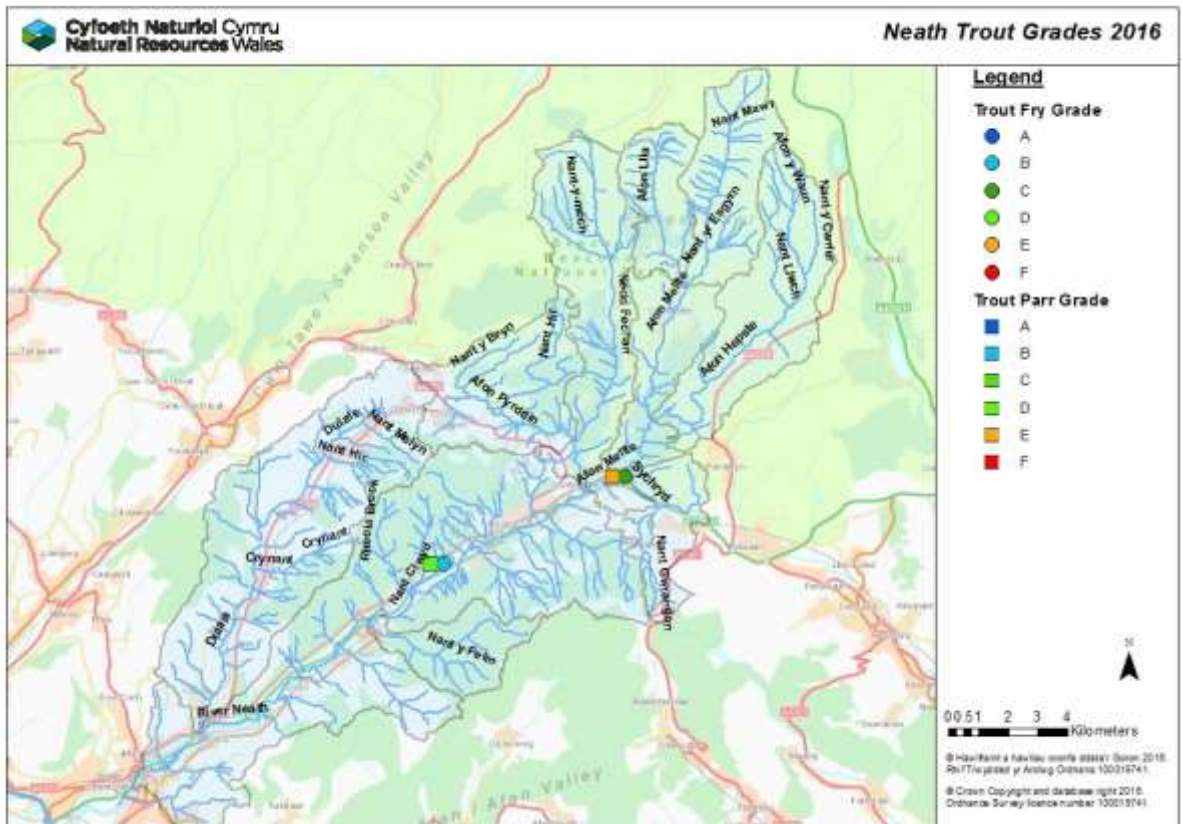
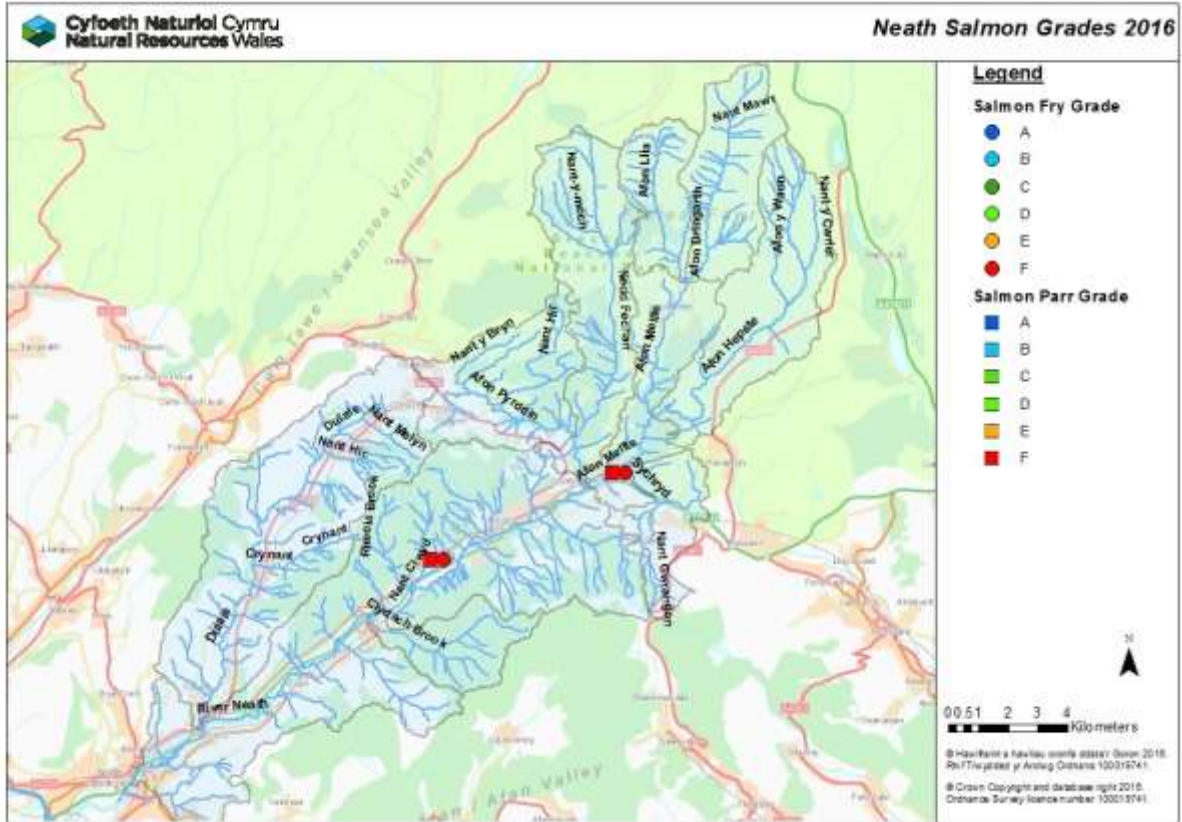
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Eden - 108			6.0	0.3	14.9	5.7	2.4	0.6	5.9	6.9	7.7	2.2	149%	1060%	-24%	211%		
Wnion - 33			4.4	5.1	25.0	4.9	11.1	6.1	18.1	3.1	9.7	6.1	14.7	4.8	-47%	96%	-34%	28%
<b>Average</b>			<b>4.4</b>	<b>5.1</b>	<b>15.5</b>	<b>2.6</b>	<b>13.0</b>	<b>5.9</b>	<b>10.2</b>	<b>1.9</b>	<b>7.8</b>	<b>6.5</b>	<b>10.8</b>	<b>3.9</b>	<b>-24%</b>	<b>250%</b>	<b>-28%</b>	<b>68%</b>

# River Neath



There is no net fishery for salmon or sea trout on the Neath

# River Neath



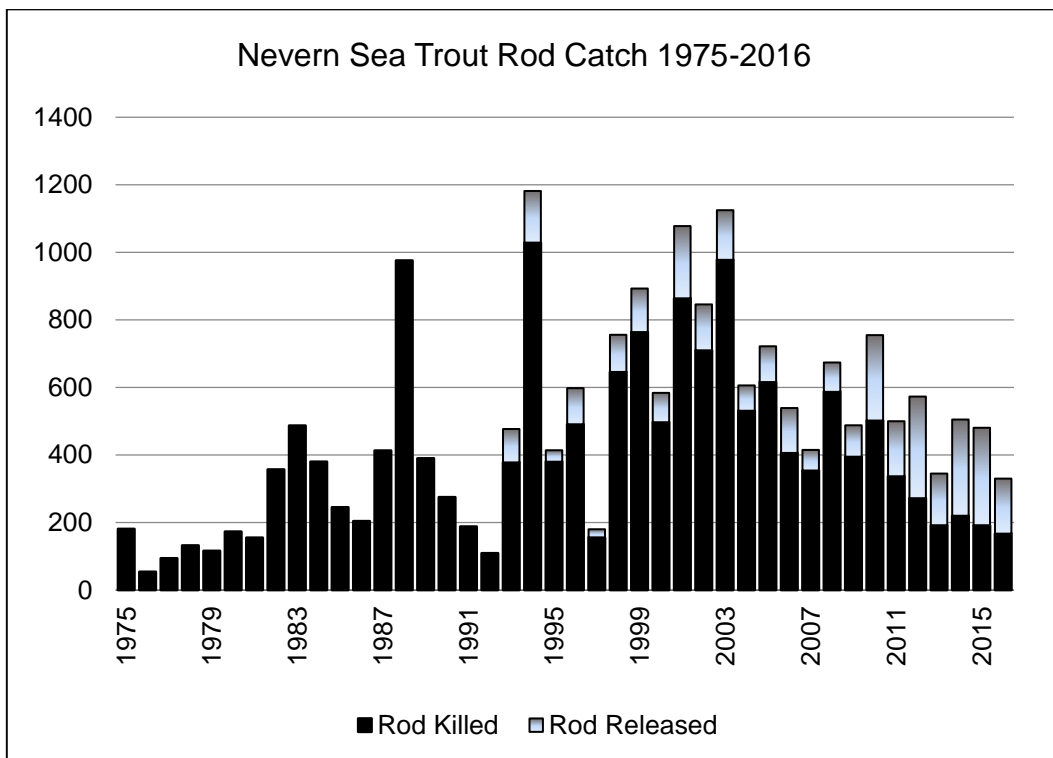
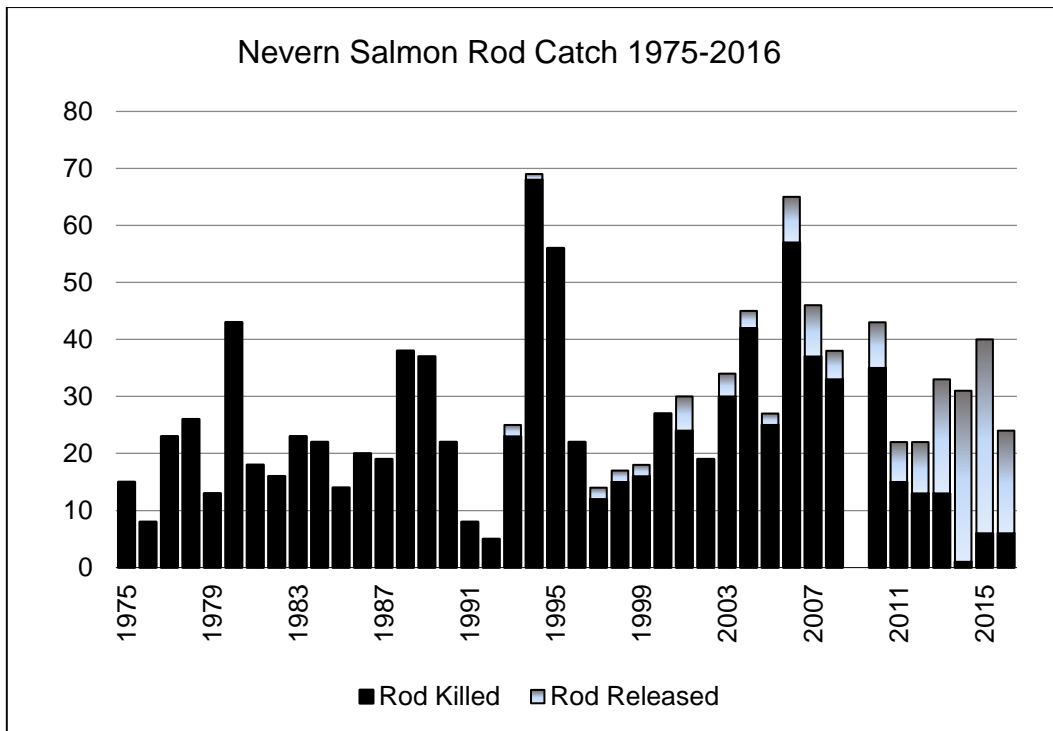
# River Neath

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Nant Clwyd - NE19			0.7	0.0	0.7	0.0	0.6	0.0	0.0	2.6	0.0	0.0	0.5	0.6	0%	-100%	-100%	-100%
Sychryd - NE07i			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0%	0%	0%
<b>Average</b>			<b>0.3</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.3</b>	<b>0%</b>	<b>-100%</b>	<b>-100%</b>	<b>-100%</b>

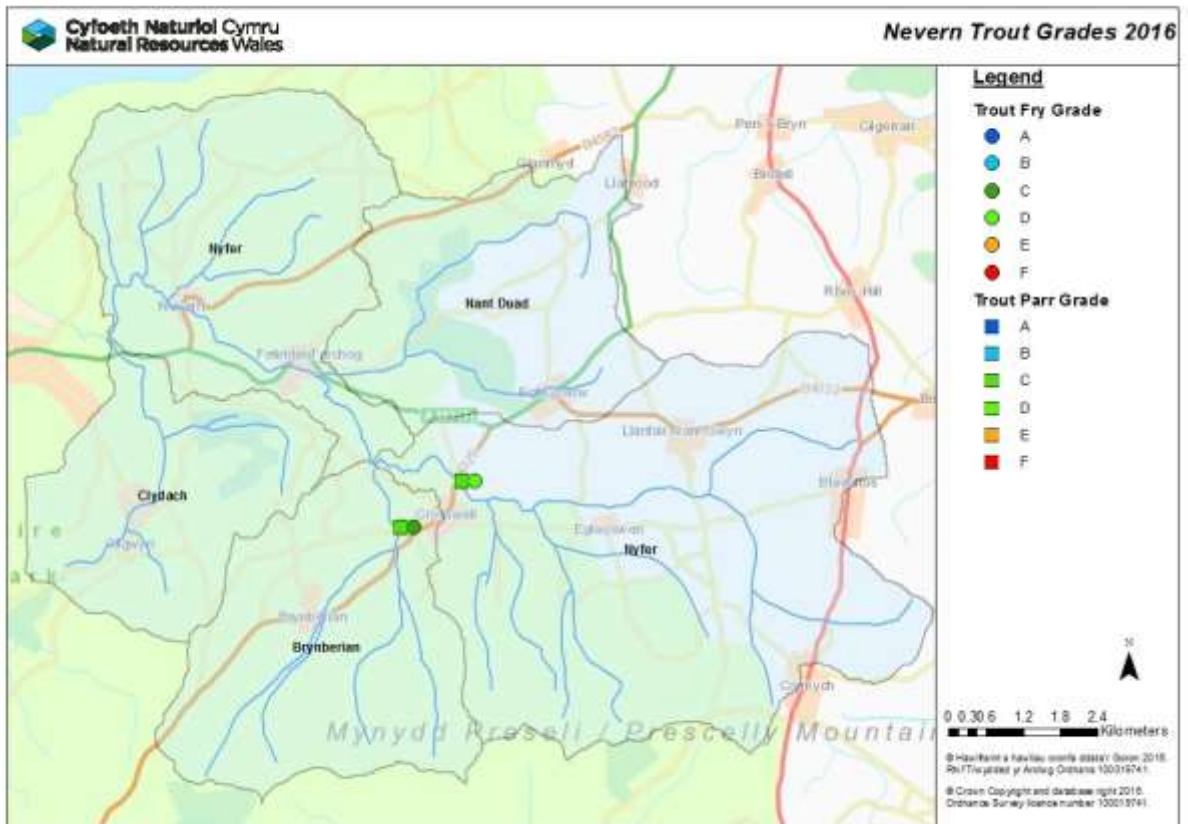
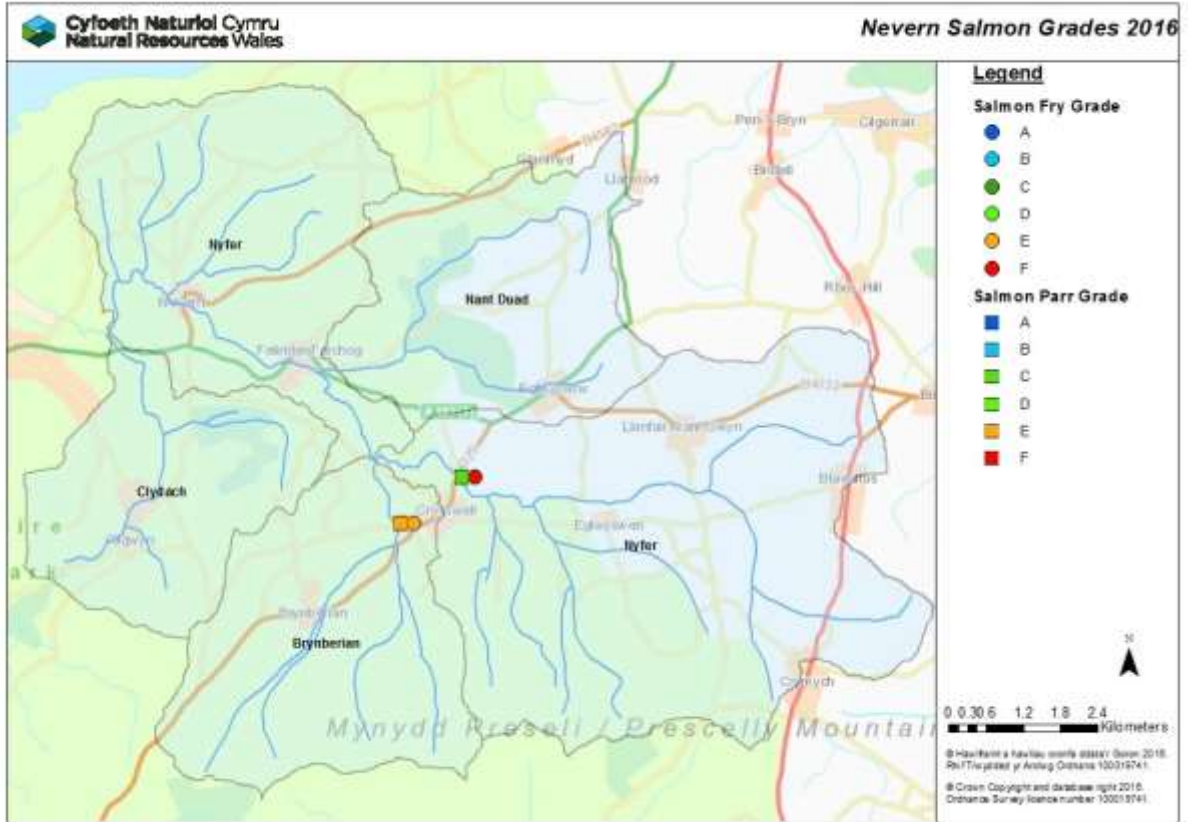
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Nant Clwyd - NE19			13.3	14.6	52.4	13.8	22.6	16.8	43.5	14.1	32.5	13.6	32.9	14.8	-25%	-4%	-1%	-8%
Sychryd - NE07i			13.4	11.0	12.7	14.4	14.1	7.3	0.4	5.9	18.1	1.3	10.2	9.6	4198%	-78%	78%	-87%
<b>Average</b>			<b>13.3</b>	<b>12.8</b>	<b>32.6</b>	<b>14.1</b>	<b>18.4</b>	<b>12.0</b>	<b>22.0</b>	<b>10.0</b>	<b>25.3</b>	<b>7.4</b>	<b>21.6</b>	<b>12.2</b>	<b>15%</b>	<b>-26%</b>	<b>17%</b>	<b>-39%</b>

# River Nevern



There is no net fishery for salmon or sea trout on the Nevern

# River Nevern



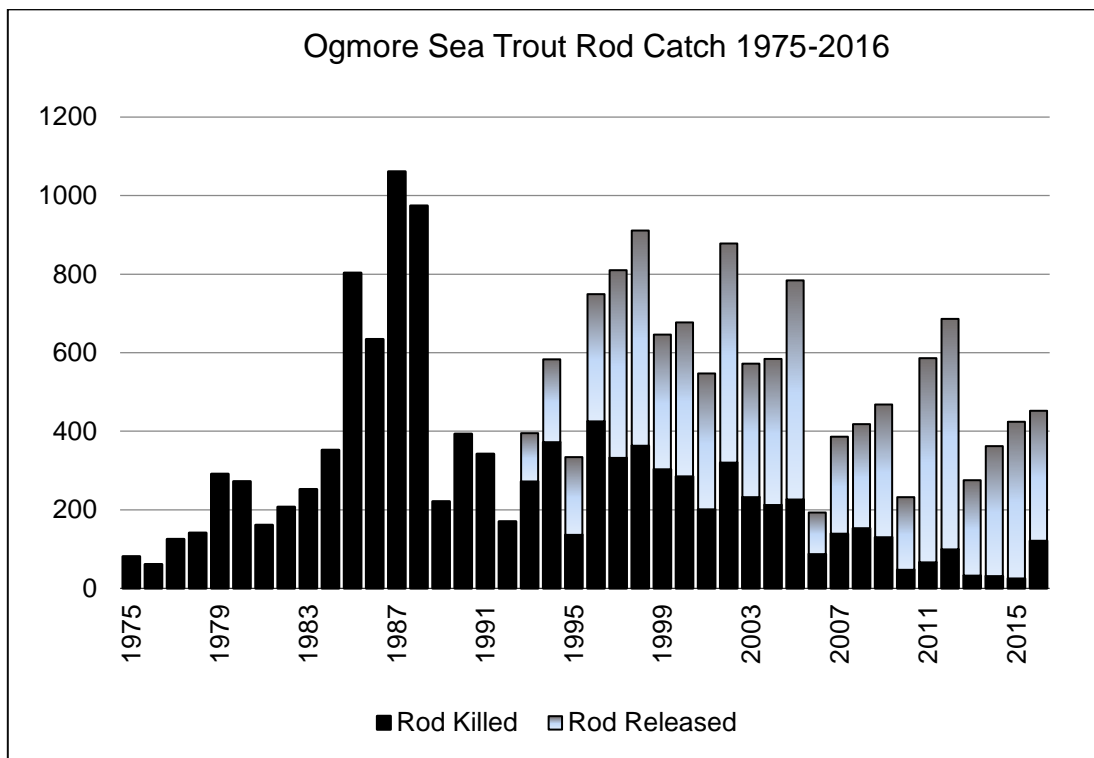
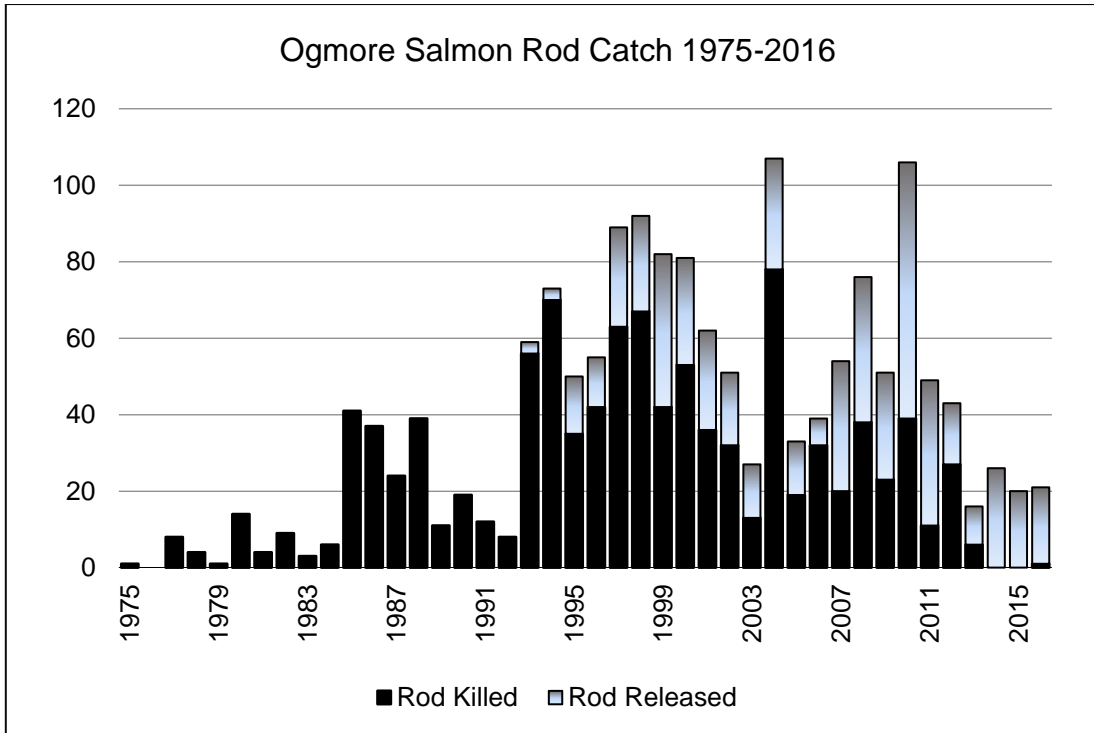
# River Nevern

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Bryn Berian - NV11			4.6	5.7	0.0	9.6	0.9	0.0	0.6	0.0	2.1	1.0	1.5	3.8	273%	+	35%	-73%
Nevern - NV03			31.5	15.4	25.3	14.6	35.2	23.4	22.1	8.7	0.0	17.5	28.5	15.5	-100%	100%	-100%	13%
<b>Average</b>			<b>18.1</b>	<b>10.5</b>	<b>12.7</b>	<b>12.1</b>	<b>18.1</b>	<b>11.7</b>	<b>11.3</b>	<b>4.4</b>	<b>1.0</b>	<b>9.3</b>	<b>15.0</b>	<b>9.7</b>	<b>-91%</b>	<b>112%</b>	<b>-93%</b>	<b>-4%</b>

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Bryn Berian - NV11			7.1	11.7	50.9	11.5	15.9	16.6	16.1	13.6	15.2	26.3	22.5	13.3	-5%	93%	-32%	97%
Nevern - NV03			22.6	6.1	23.4	9.1	9.6	7.2	23.7	8.0	11.6	15.2	19.8	7.6	-51%	90%	-42%	100%
<b>Average</b>			<b>14.8</b>	<b>8.9</b>	<b>37.2</b>	<b>10.3</b>	<b>12.8</b>	<b>11.9</b>	<b>19.9</b>	<b>10.8</b>	<b>13.4</b>	<b>20.7</b>	<b>21.2</b>	<b>10.5</b>	<b>-33%</b>	<b>92%</b>	<b>-37%</b>	<b>98%</b>

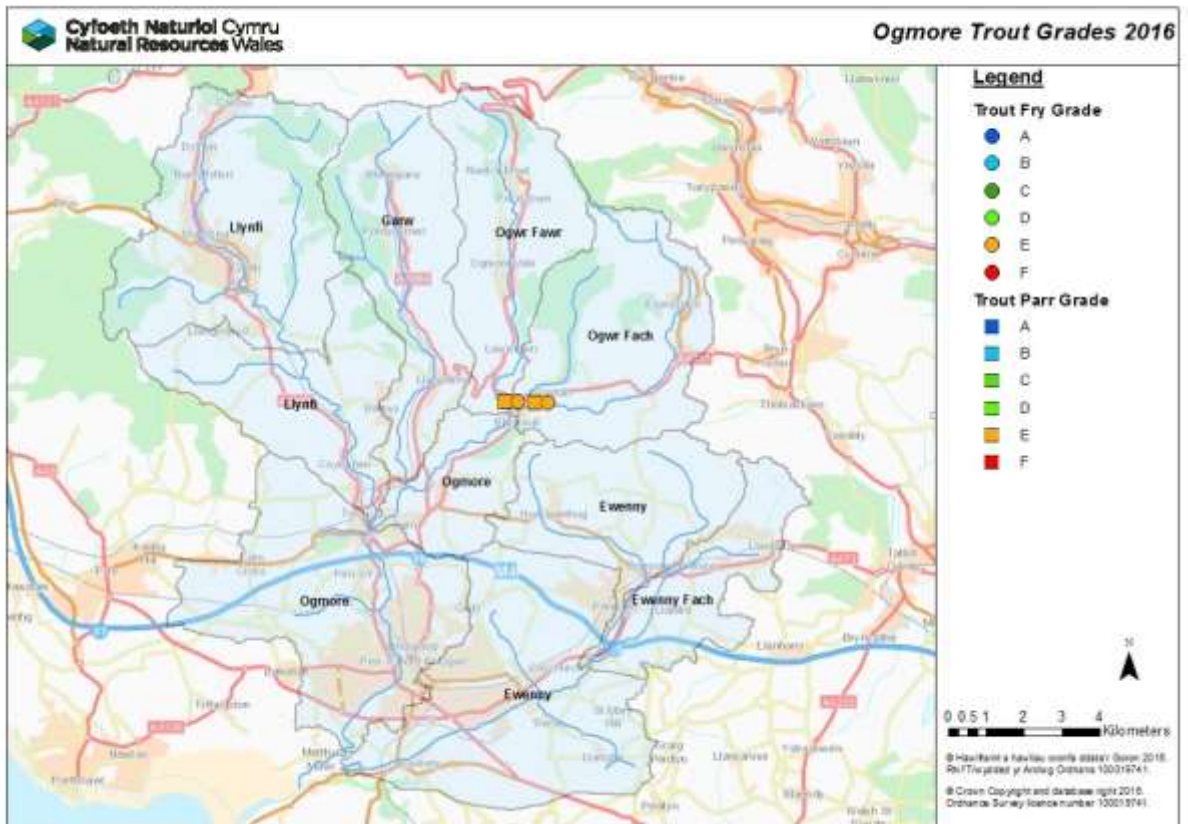
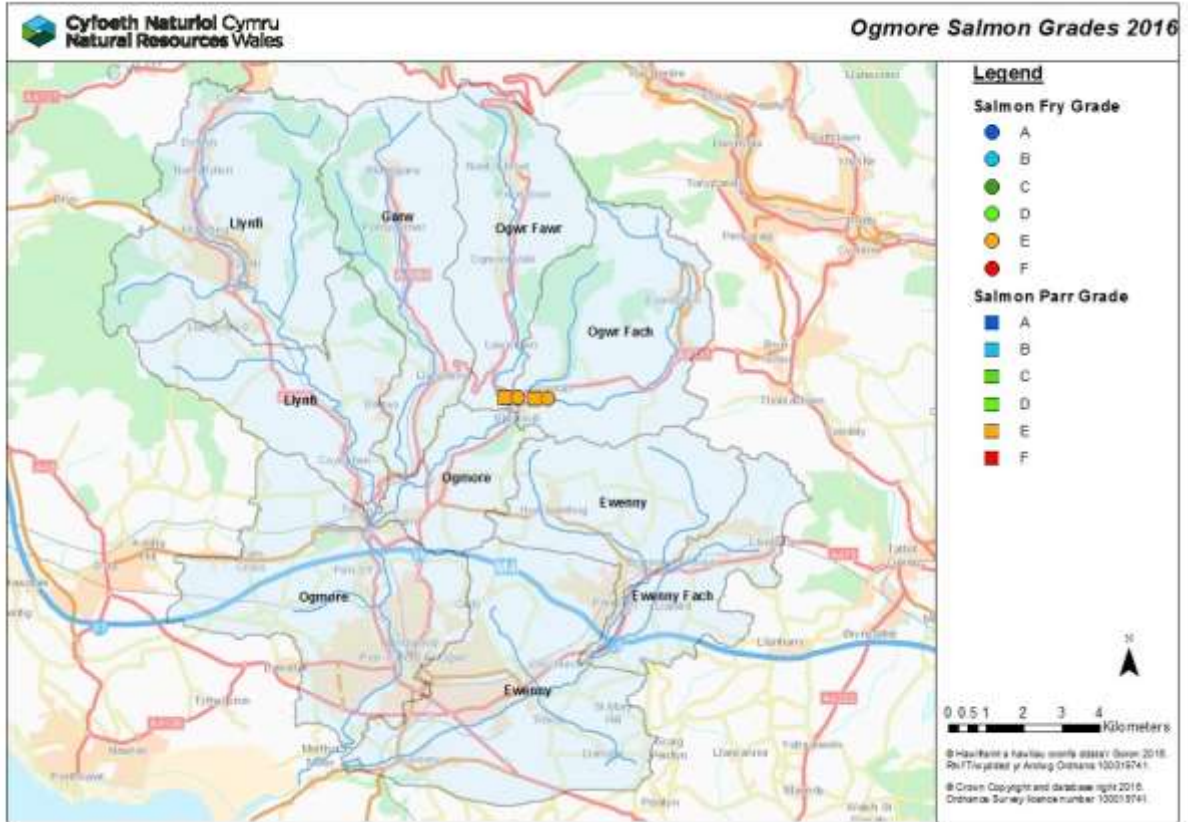
# River Ogmore



There is no net fishery for salmon or sea trout on the Ogmore



# River Ogmore



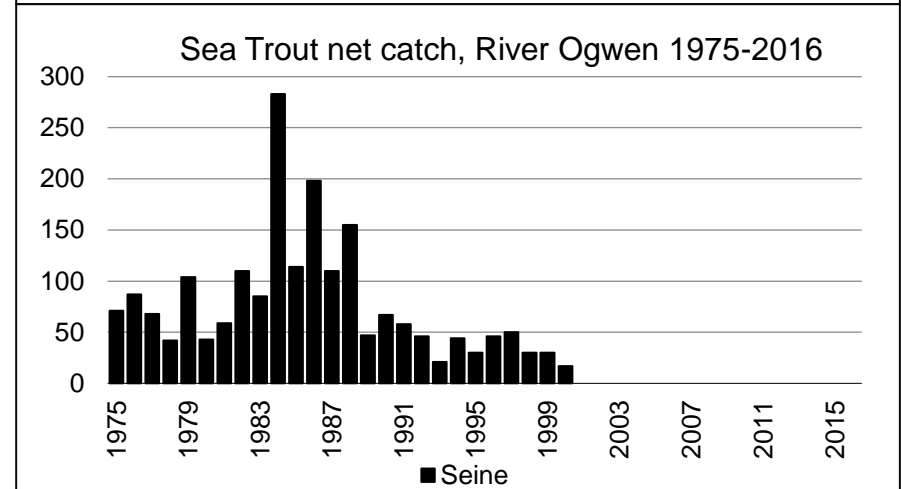
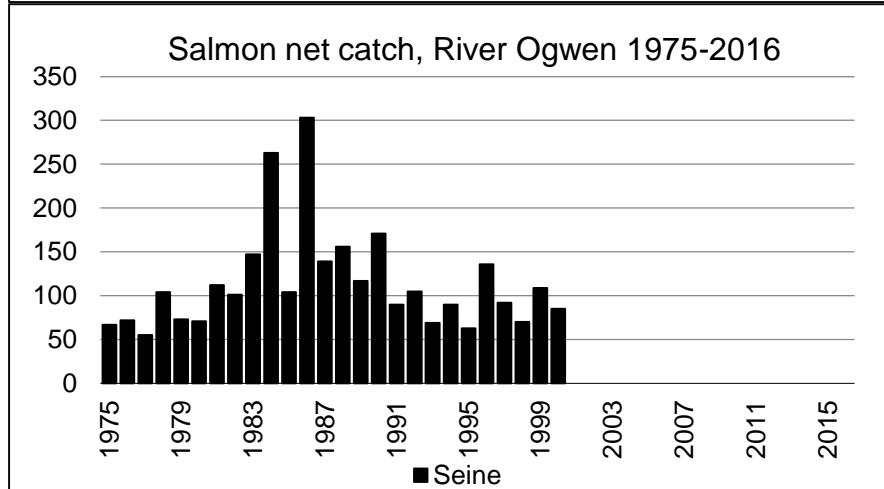
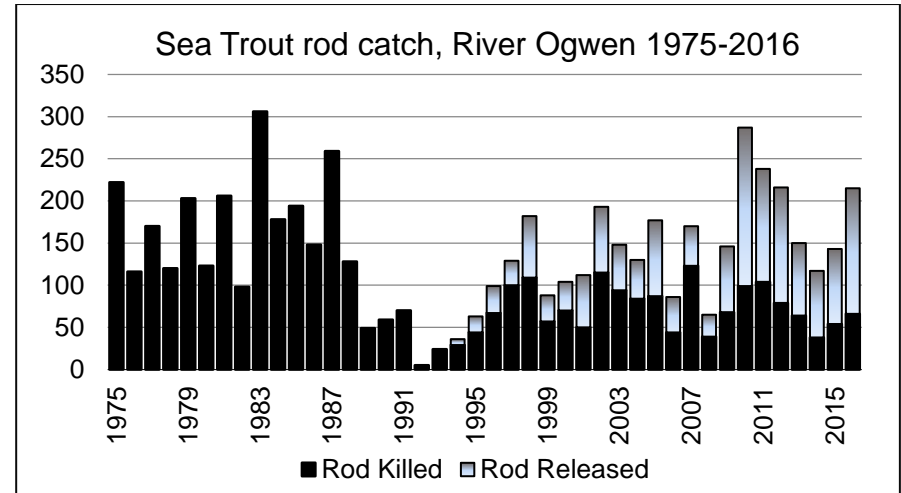
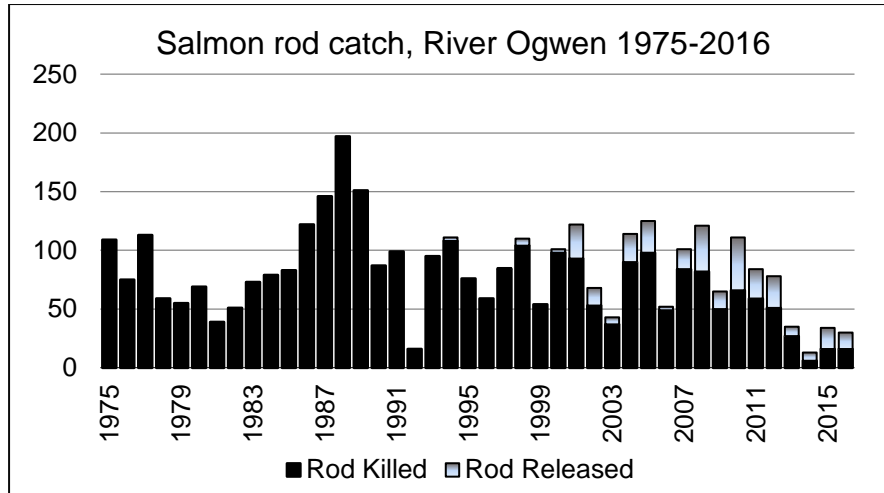
# River Ogmore

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Ogwr Fach - Og29			4.9	2.3	9.1	5.1	7.7	1.5	0.7	2.1	0.3	1.5	5.6	2.7	-57%	-28%	-95%	-45%
Ogwr Fawr - OG16A			4.6	7.5	11.6	4.9	11.5	2.6	0.3	4.5	3.1	0.8	7.0	4.9	1016%	-83%	-55%	-84%
<b>Average</b>			<b>4.8</b>	<b>4.9</b>	<b>10.3</b>	<b>5.0</b>	<b>9.6</b>	<b>2.1</b>	<b>0.5</b>	<b>3.3</b>	<b>1.7</b>	<b>1.1</b>	<b>6.3</b>	<b>3.8</b>	<b>250%</b>	<b>-65%</b>	<b>-73%</b>	<b>-70%</b>

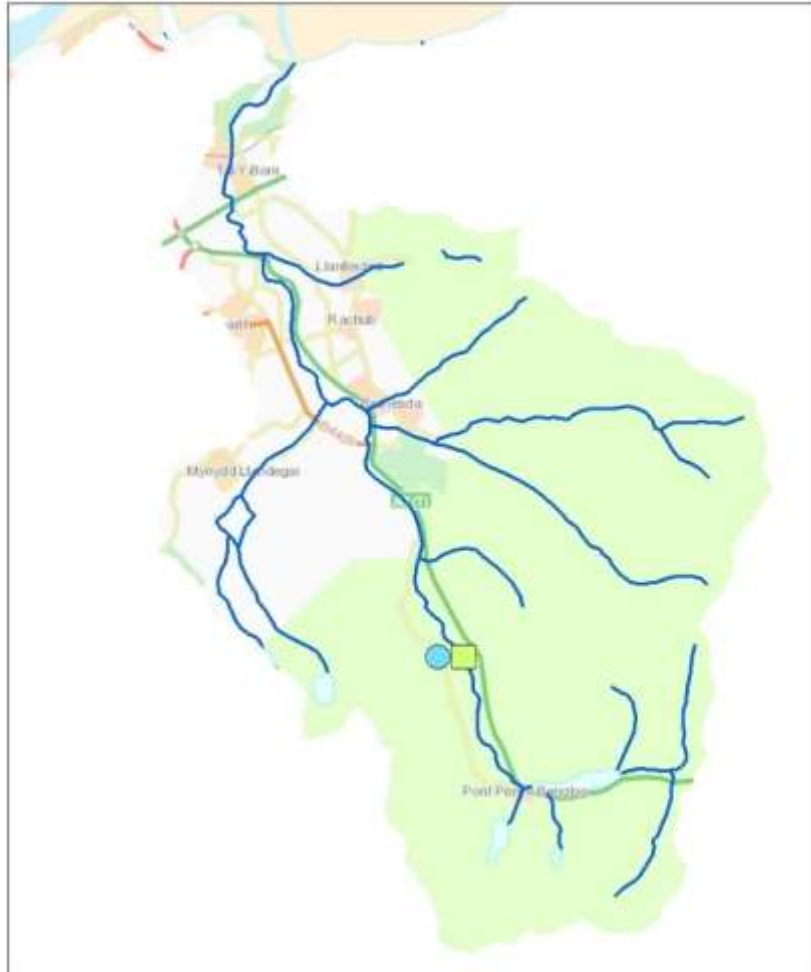
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Ogwr Fach - Og29			15.5	4.9	8.2	11.6	8.6	7.1	9.4	6.6	2.7	4.8	10.4	7.6	-71%	-27%	-74%	-36%
Ogwr Fawr - OG16A			1.2	1.7	6.1	1.5	16.3	9.6	1.1	3.1	1.0	2.9	6.2	4.0	-7%	-7%	-83%	-28%
<b>Average</b>			<b>8.3</b>	<b>3.3</b>	<b>7.2</b>	<b>6.6</b>	<b>12.5</b>	<b>8.4</b>	<b>5.3</b>	<b>4.9</b>	<b>1.9</b>	<b>3.9</b>	<b>8.3</b>	<b>5.8</b>	<b>-64%</b>	<b>-21%</b>	<b>-77%</b>	<b>-33%</b>

# River Ogwen





# River Ogwen

Cyfoeth Naturiol Cymru  
Natural Resources Wales  
Ogwen Salmon Grades 2016



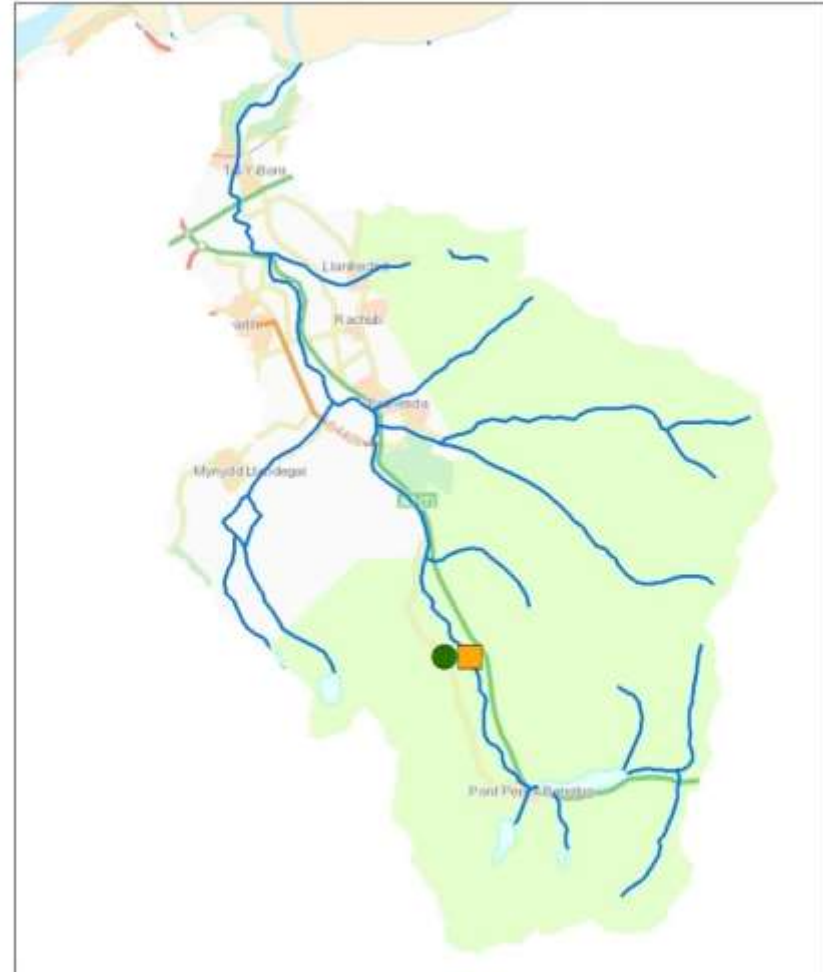
**National Fisheries  
Classification Scheme**

Blue square	Green square	Orange square
A	C	E
Light blue square	Light green square	Red square
B	D	F

Salmon Fry Grades   
Salmon Parr Grades 

0 1 2 Kilometers  
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Cyfoeth Naturiol Cymru, 100019741, 2013.  
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Cyfoeth Naturiol Cymru  
Natural Resources Wales  
Ogwen Trout Grades 2016



**National Fisheries  
Classification Scheme**

Blue square	Green square	Orange square
A	C	E
Light blue square	Light green square	Red square
B	D	F

Trout Fry Grades   
Trout Parr Grades 

0 1 2 Kilometers  
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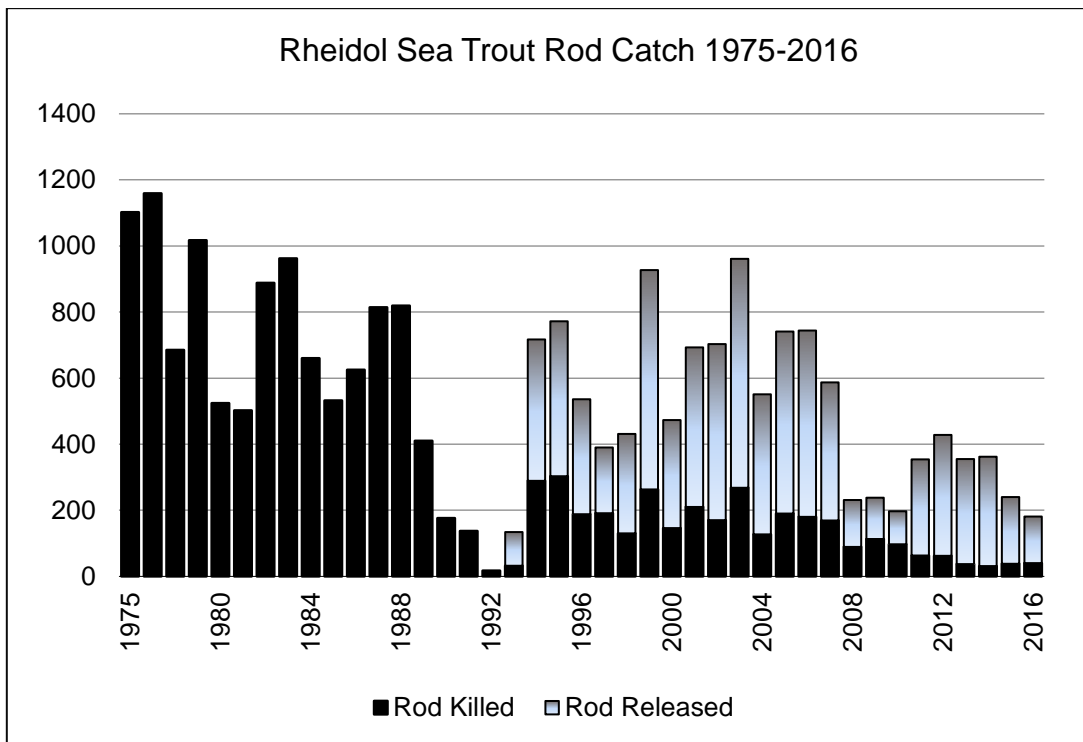
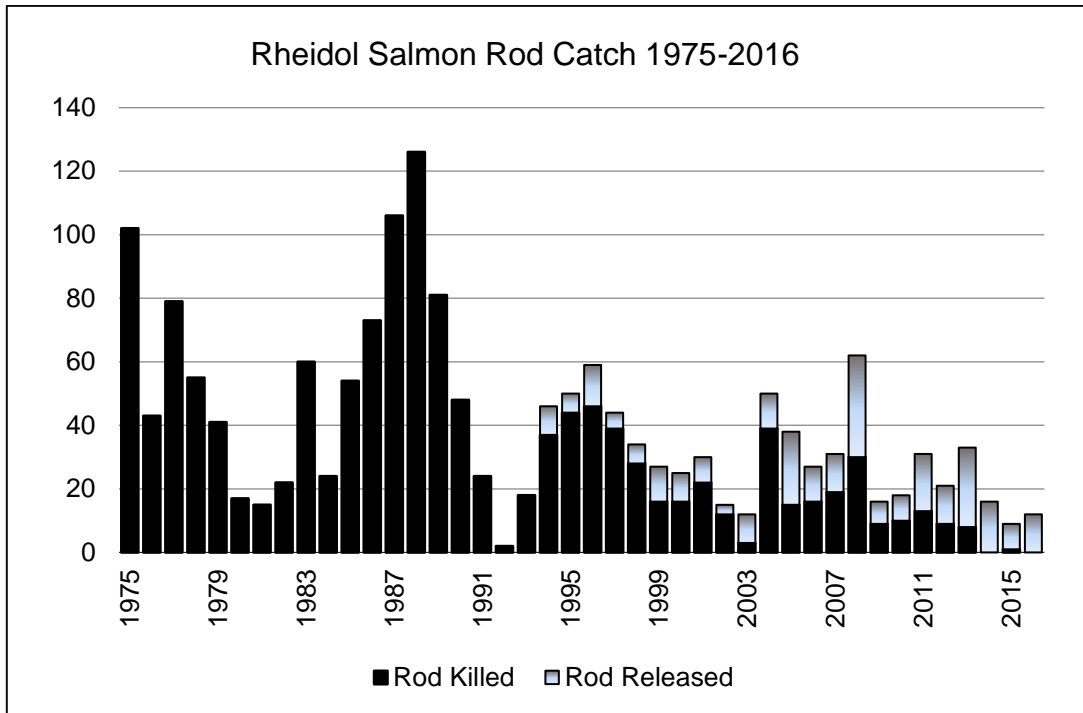
# River Ogwen

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Ogwen - 4			43.9	0.9	39.7	0.9	47.6	3.6	22.0	1.1	21.8	0.9	38.3	1.6	-1%	-17%	-43%	-43%

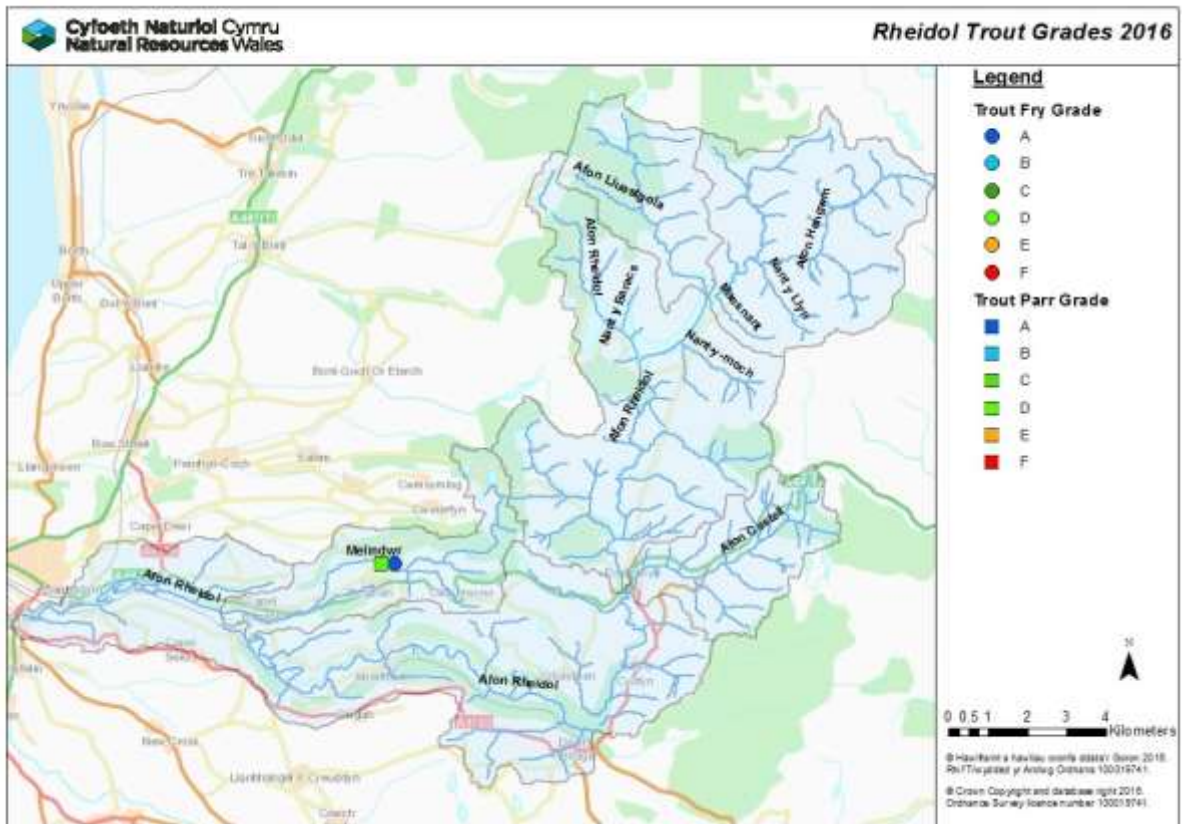
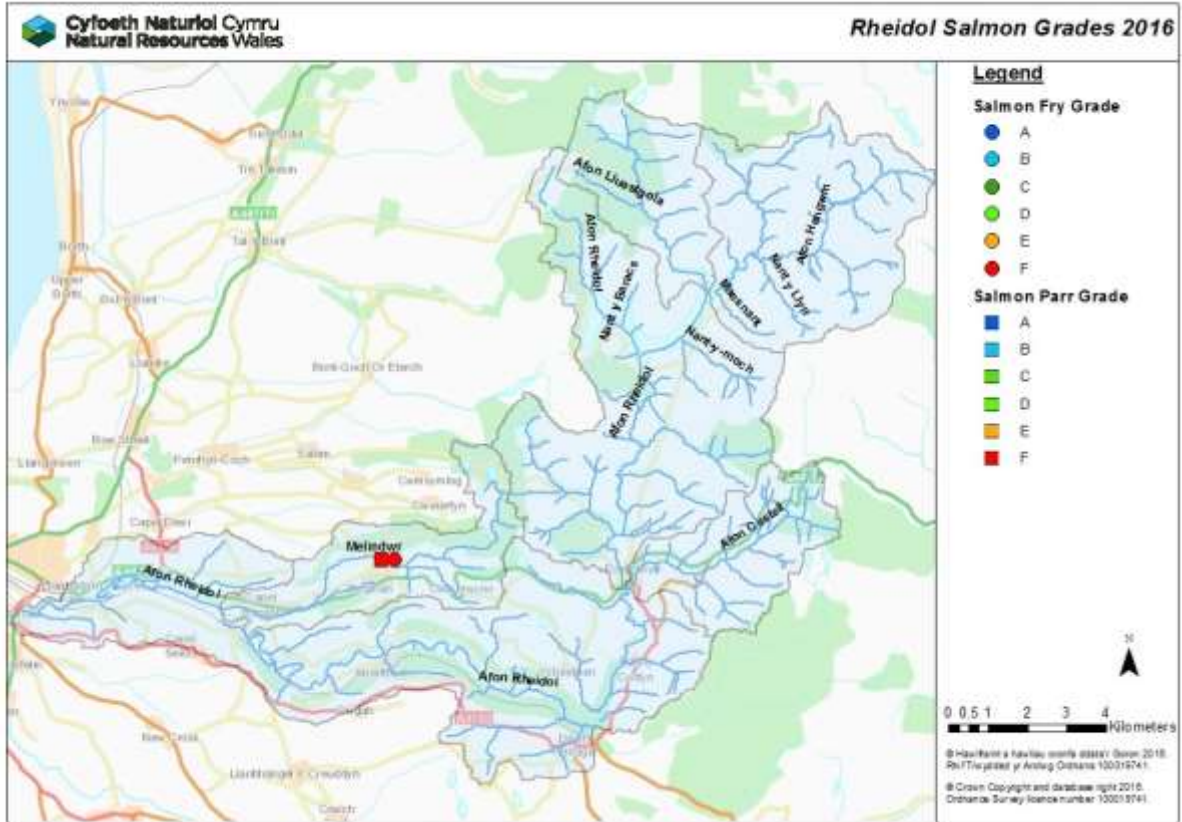
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Ogwen - 4			1.7	0.0	8.0	0.2	16.2	0.2	10.4	0.9	6.3	0.2	9.1	0.3	-40%	-74%	-31%	-30%

# Rheidol



There is no net fishery for salmon or sea trout on the Rheidol

# River Rheidol



# River Rheidol

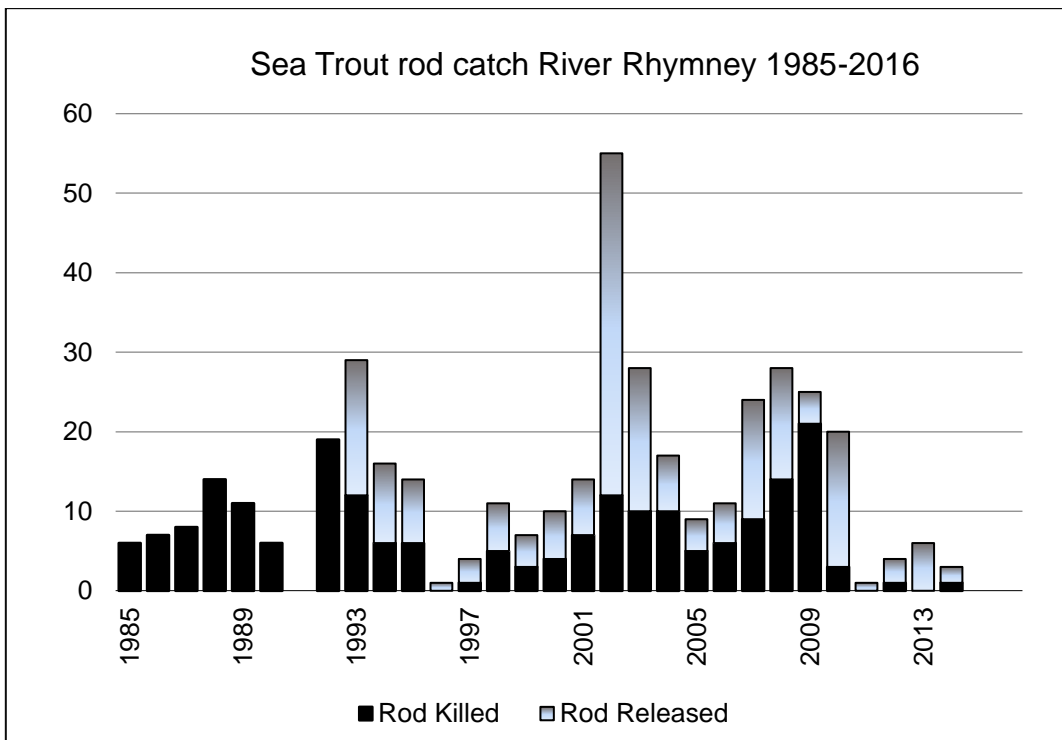
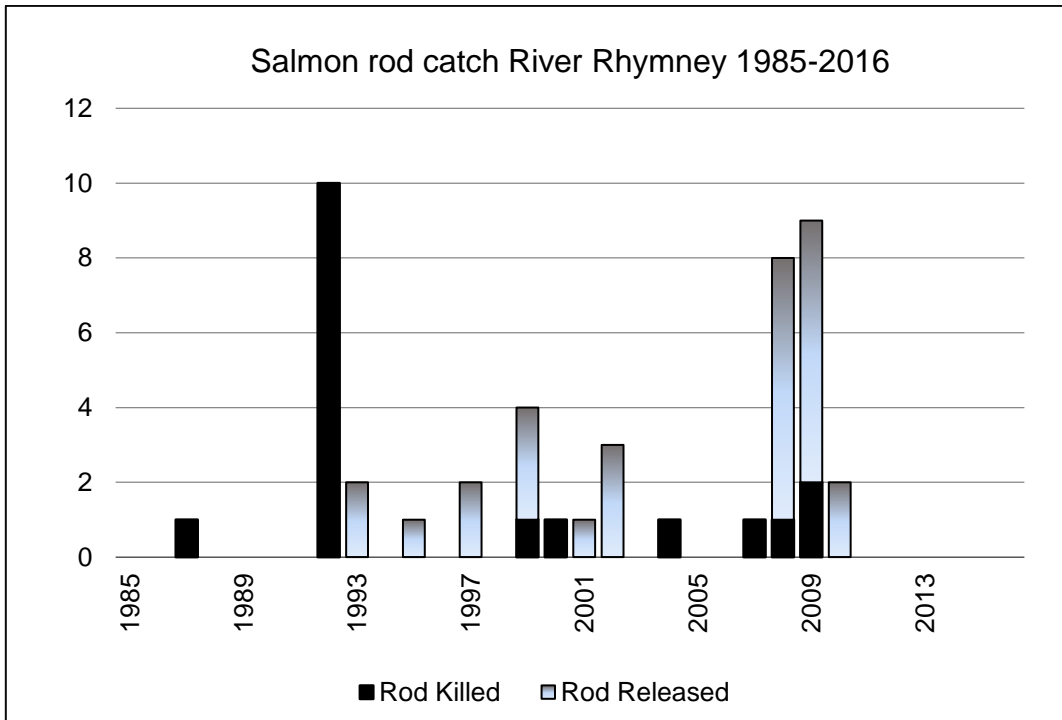
Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Melindwr - RH01A			15.9	0.0			0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0%	0%	-100%	0%

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011- 2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Melindwr - RH01A			37.5	7.4			207.9	4.3	159.1	6.2	76.4	14.9	134.8	6.0	-52%	140%	-43%	150%

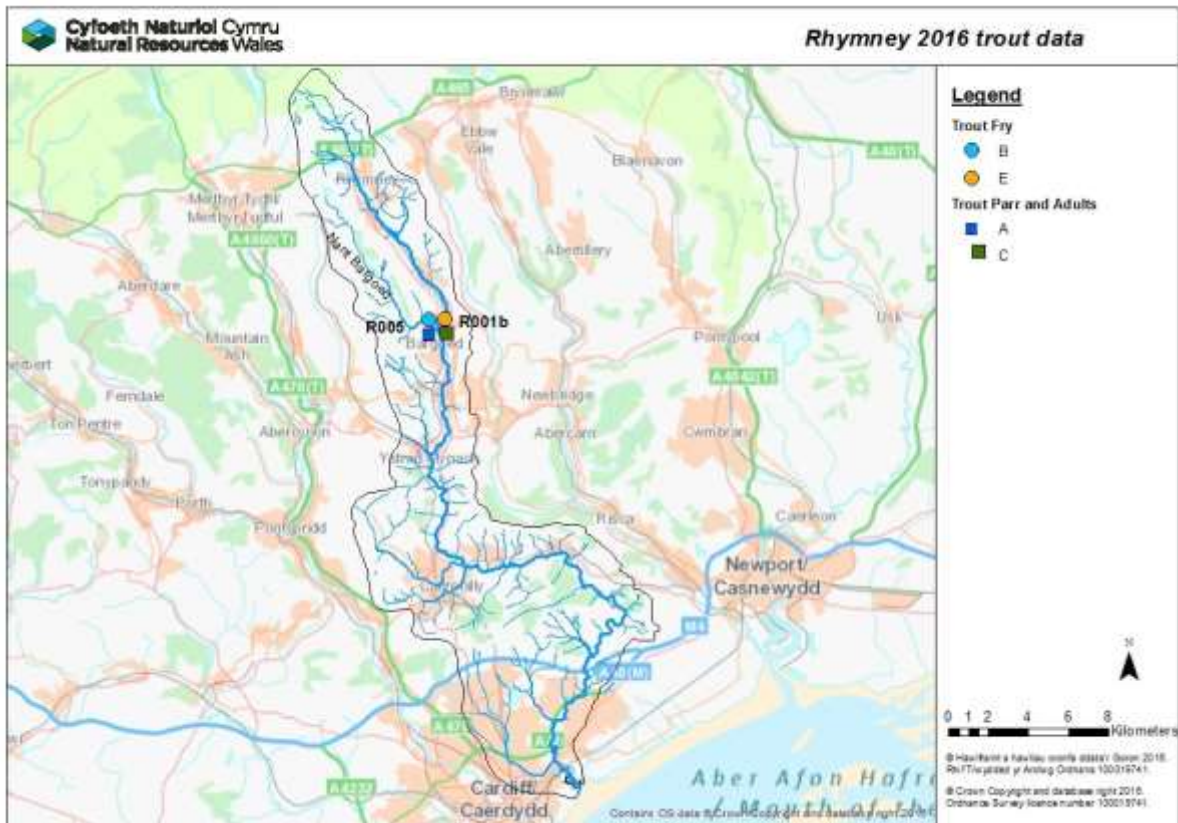
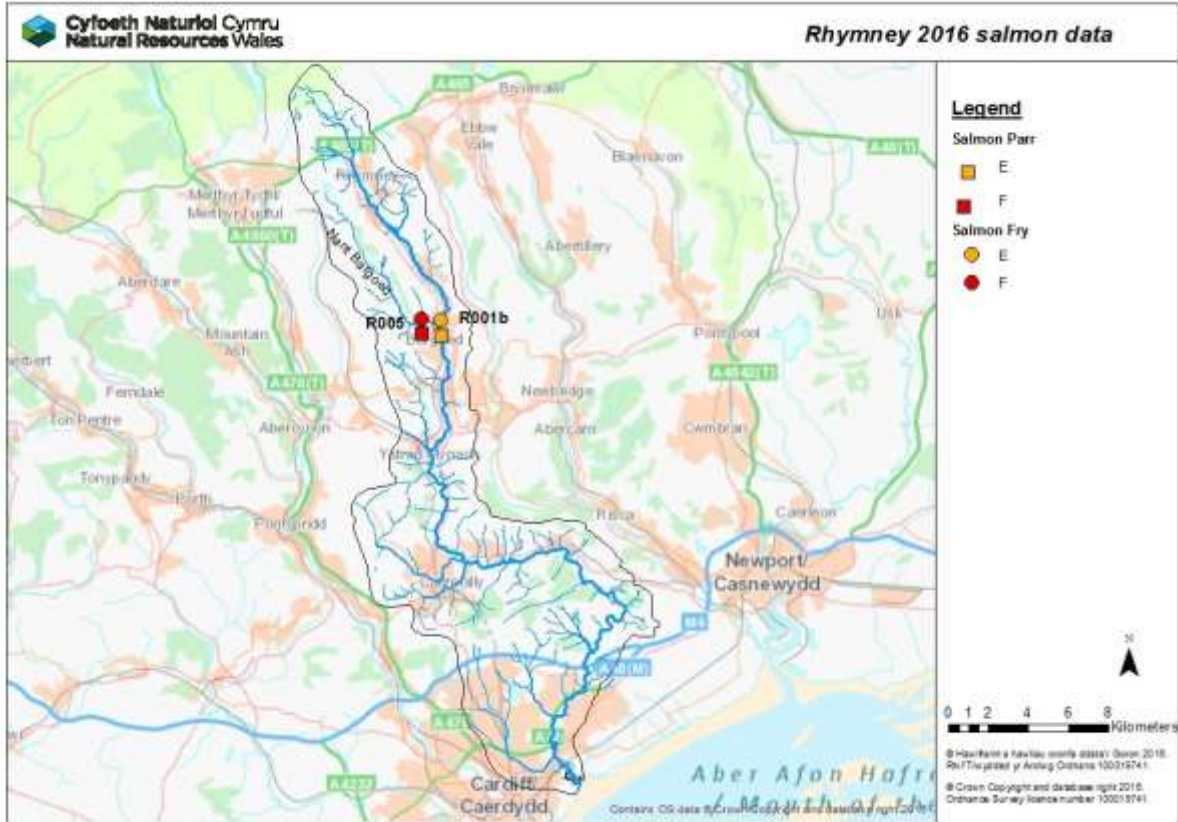


# River Rhymney



There is no net fishery for salmon or sea trout on the Rhymney

# River Rhymyney



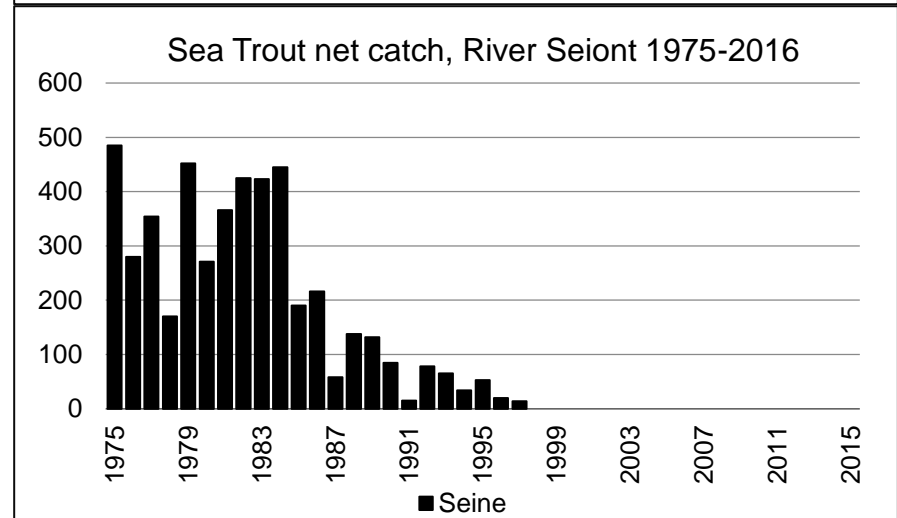
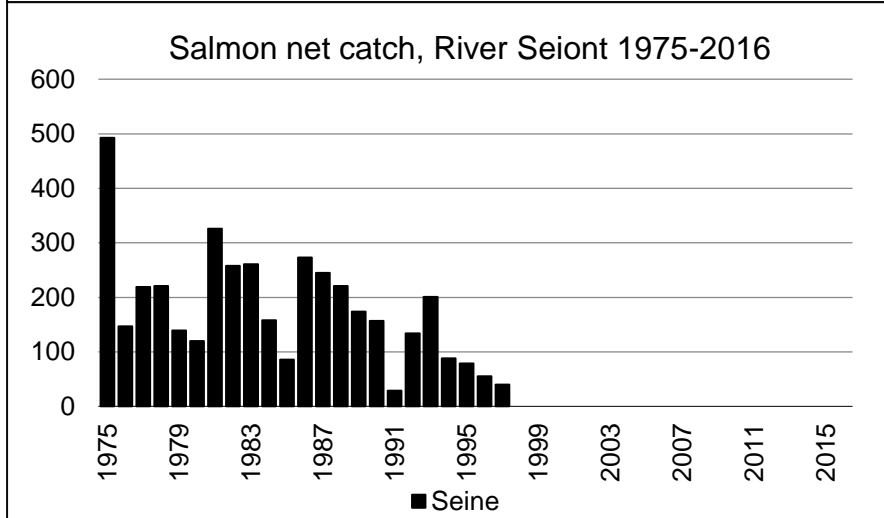
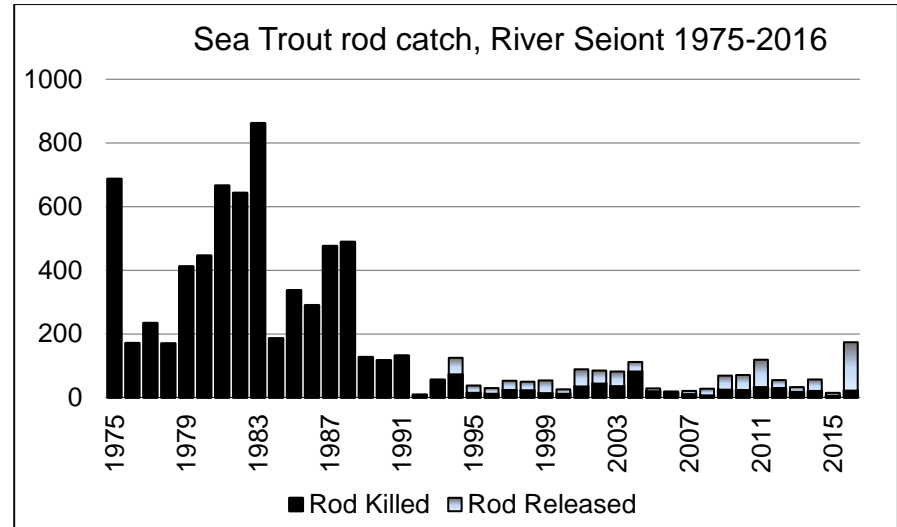
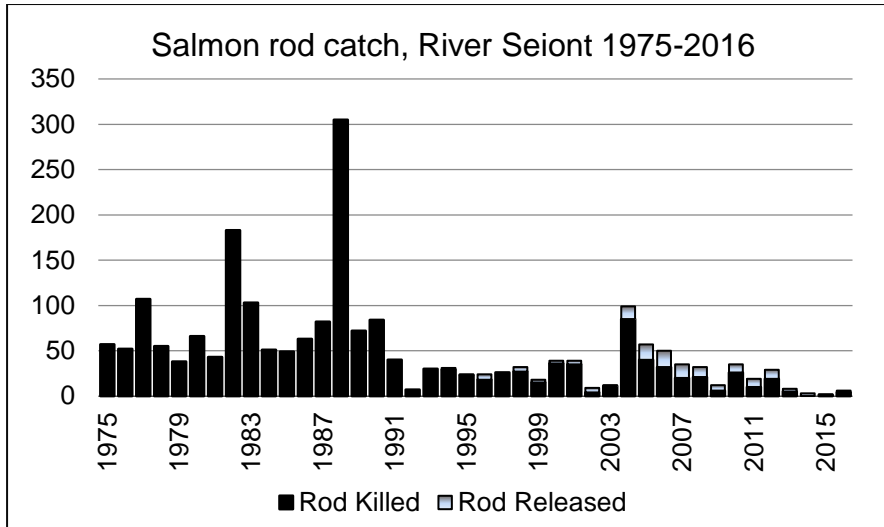
# River Rhymney

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

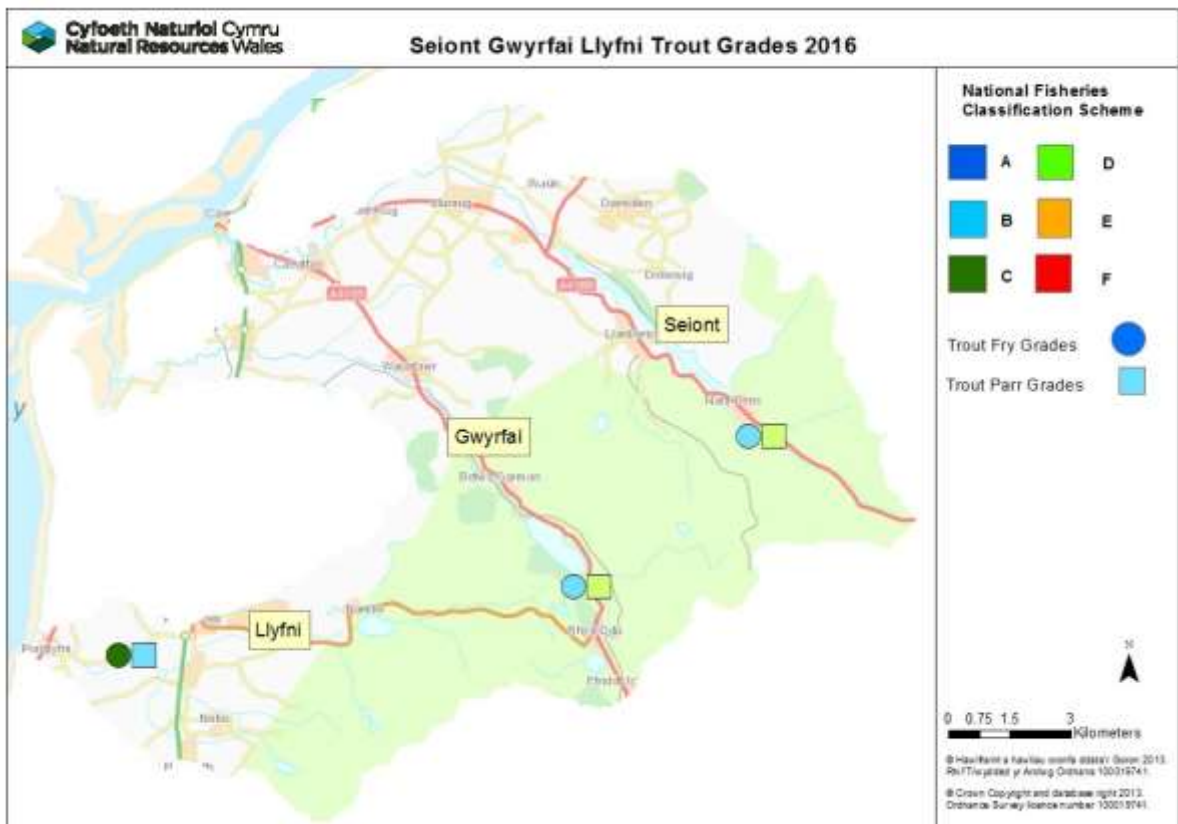
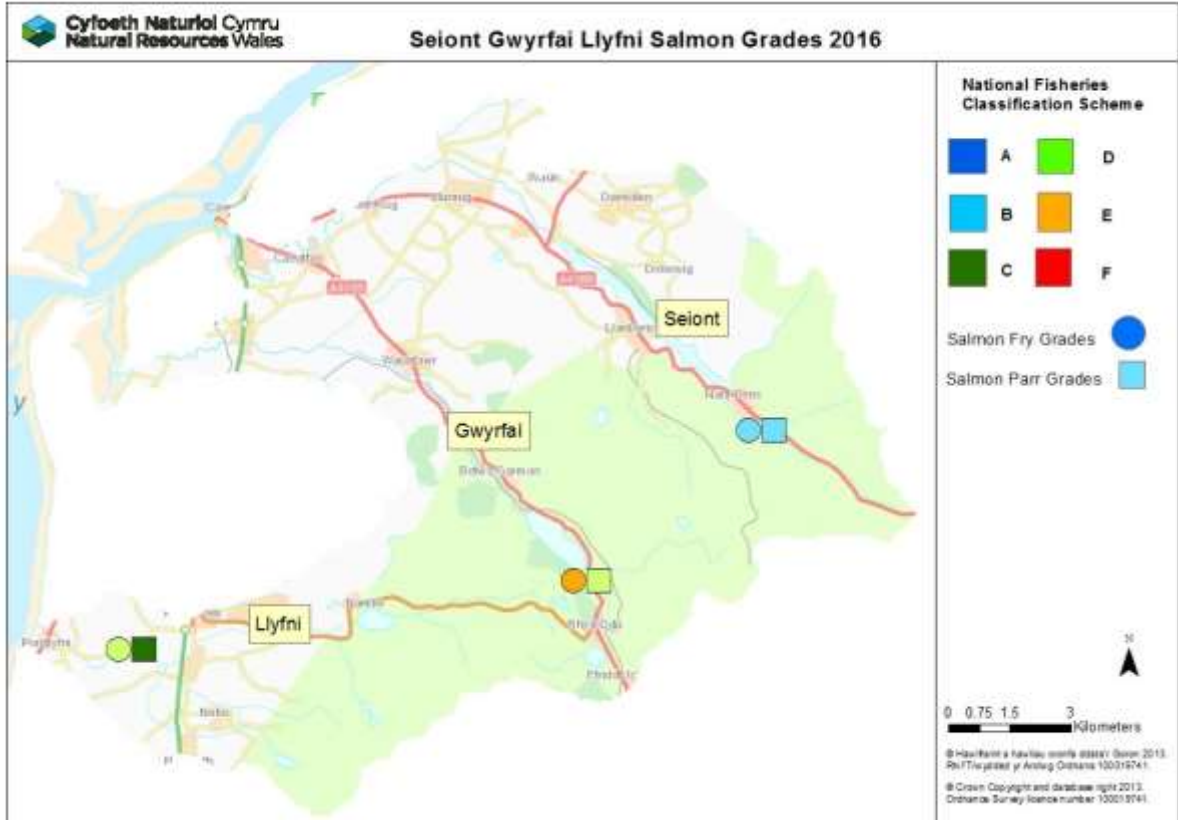
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Rhymney - R001b									0.6	1.0	1.3	1.0	0.6	1.0	117%	0%	117%	0%
Rhymney Bargoed - R005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0%	0%	0%
<b>Average</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.5</b>	<b>0.7</b>	<b>0.5</b>	<b>0.1</b>	<b>0.1</b>	<b>117%</b>	<b>0%</b>	<b>983%</b>	<b>400%</b>

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Rhymney - R001b									3.5	5.4	2.9	10.6	3.5	5.4	-17%	96%	-17%	96%
Rhymney Bargoed - R005	24.4	26.8	23.8	22.0	1.9	28.4	3.8	16.7	35.7	16.7	22.7	38.2	17.9	22.1	-36%	129%	27%	73%
<b>Average</b>	<b>24.4</b>	<b>26.8</b>	<b>23.8</b>	<b>22.0</b>	<b>1.9</b>	<b>28.4</b>	<b>3.8</b>	<b>16.7</b>	<b>19.6</b>	<b>11.1</b>	<b>12.8</b>	<b>24.4</b>	<b>14.7</b>	<b>21.0</b>	<b>-35%</b>	<b>121%</b>	<b>-13%</b>	<b>16%</b>

# River Seiont



# River Seiont



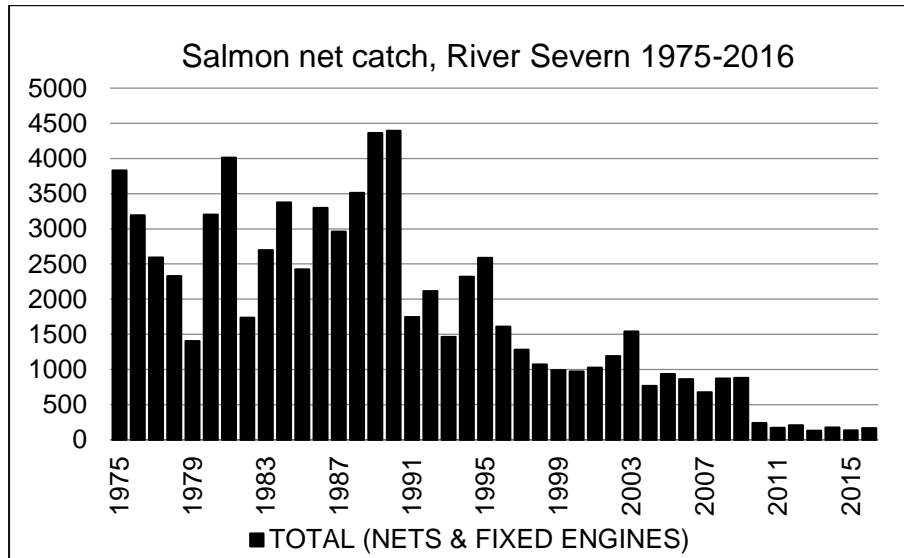
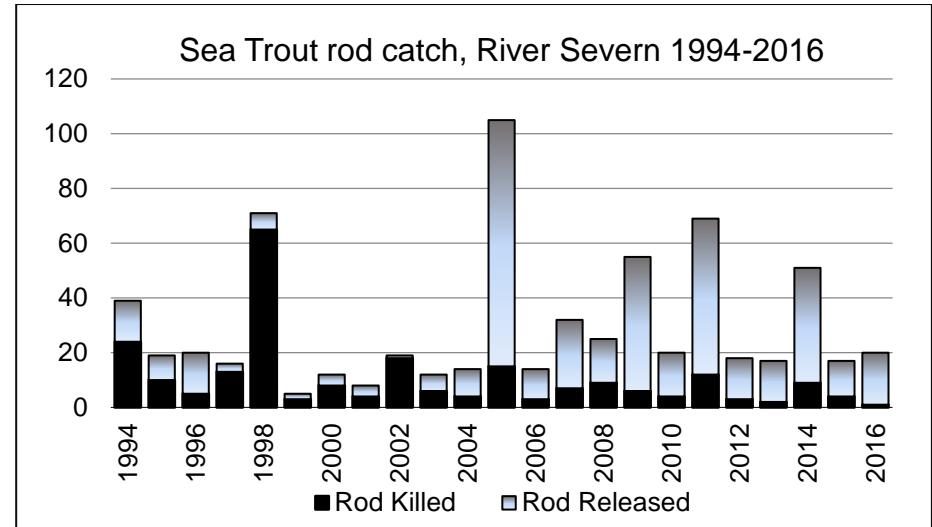
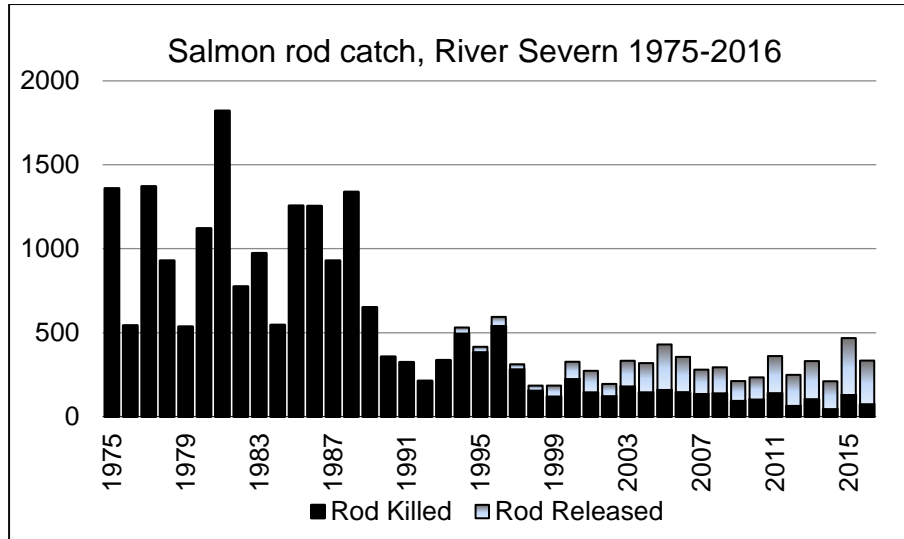
# River Seiont

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River - Site	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Nant Peris - 3			35.8	9.1	15.3	6.9	12.9	11.8	33.3	6.7	26.9	8.4	24.3	8.6	-19%	25%	11%	-3%

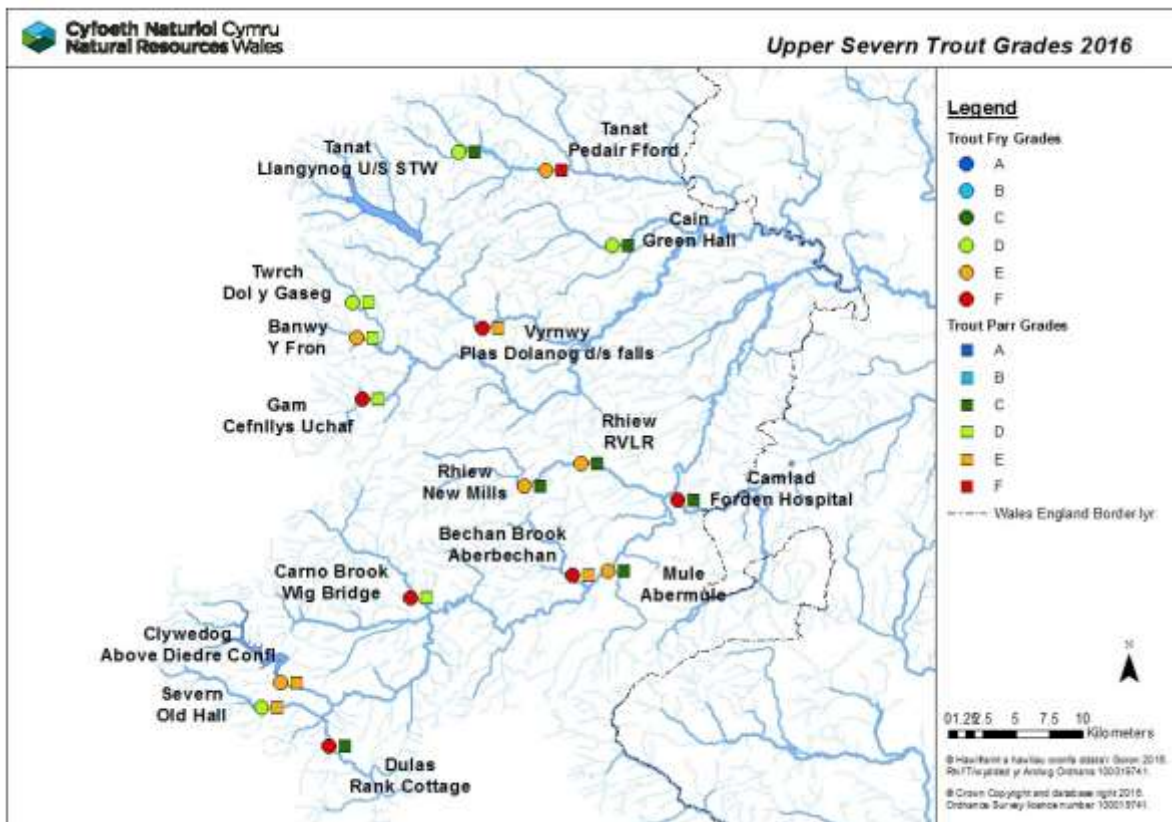
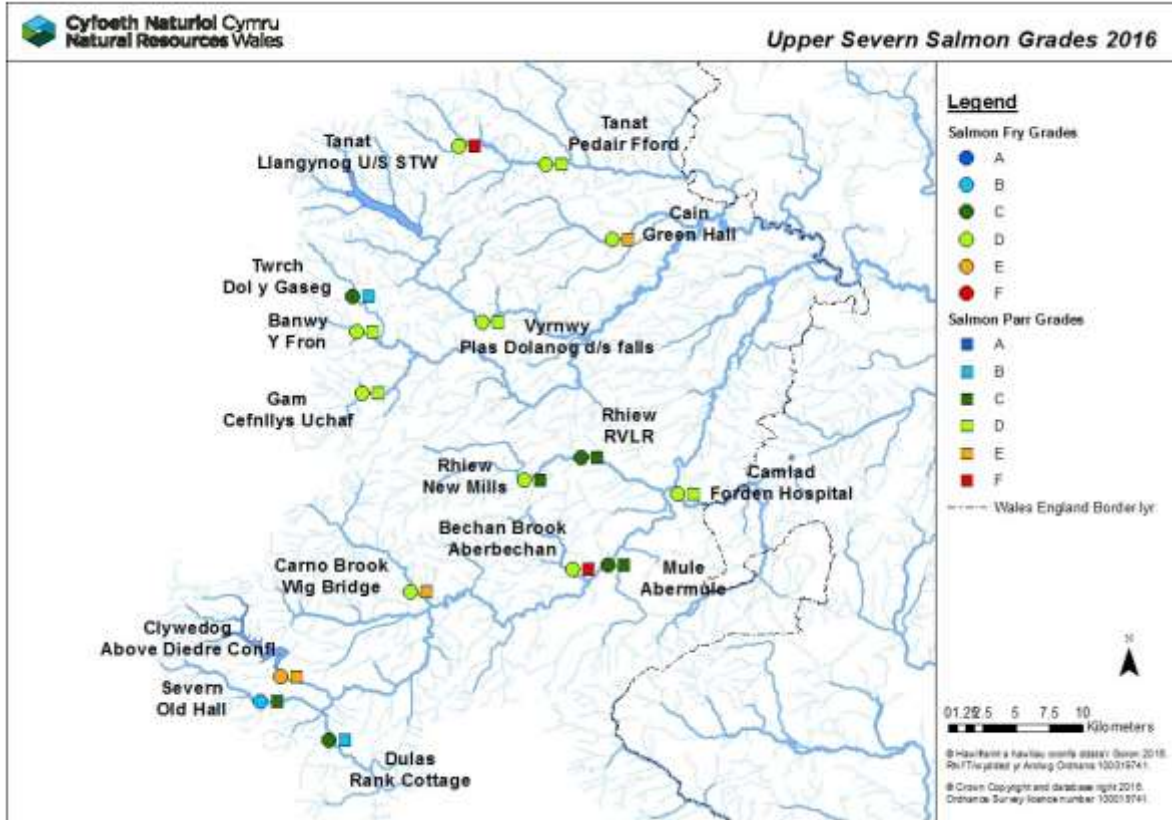
River - Site	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Nant Peris - 3			1.2	0.0	2.1	1.4	18.8	2.7	32.5	0.0	12.0	0.7	13.7	1.0	-63%	+	-12%	-30%

# River Severn



There is no net fishery for sea trout on the River Severn

# River Severn





# River Severn

Juvenile salmon densities 2011 to 2016 (fish per 100m<sup>2</sup>)

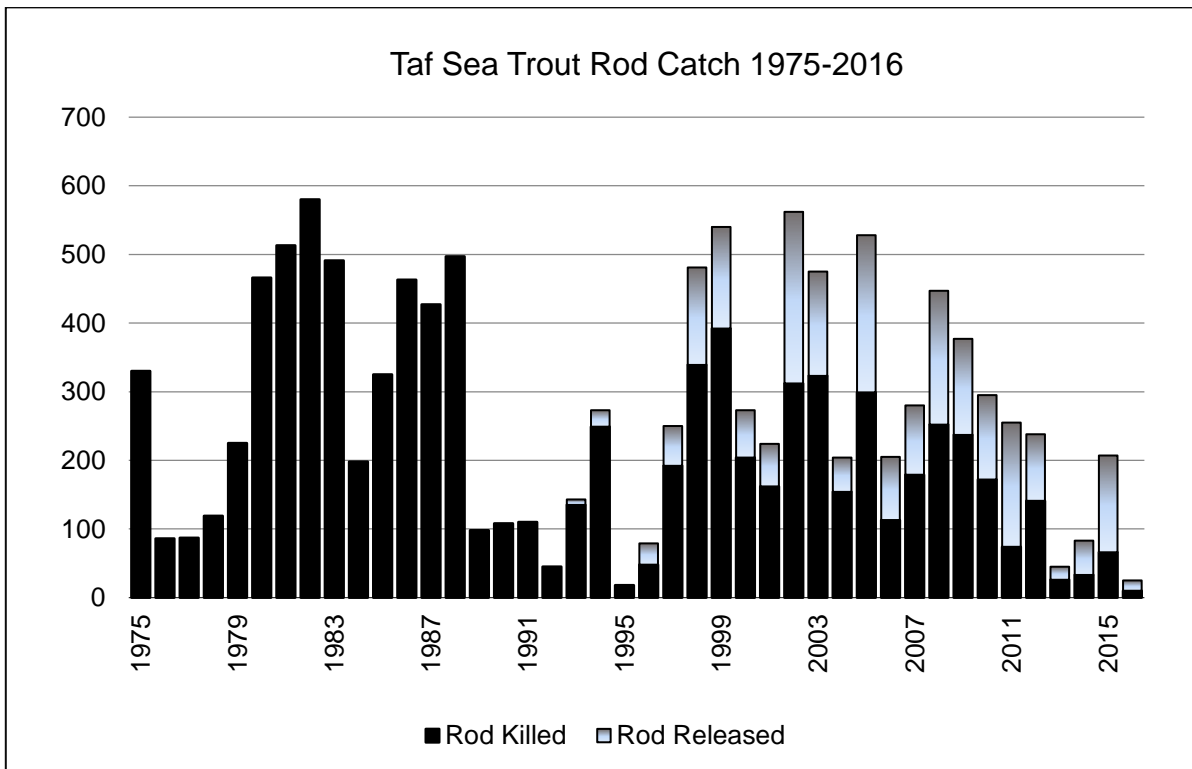
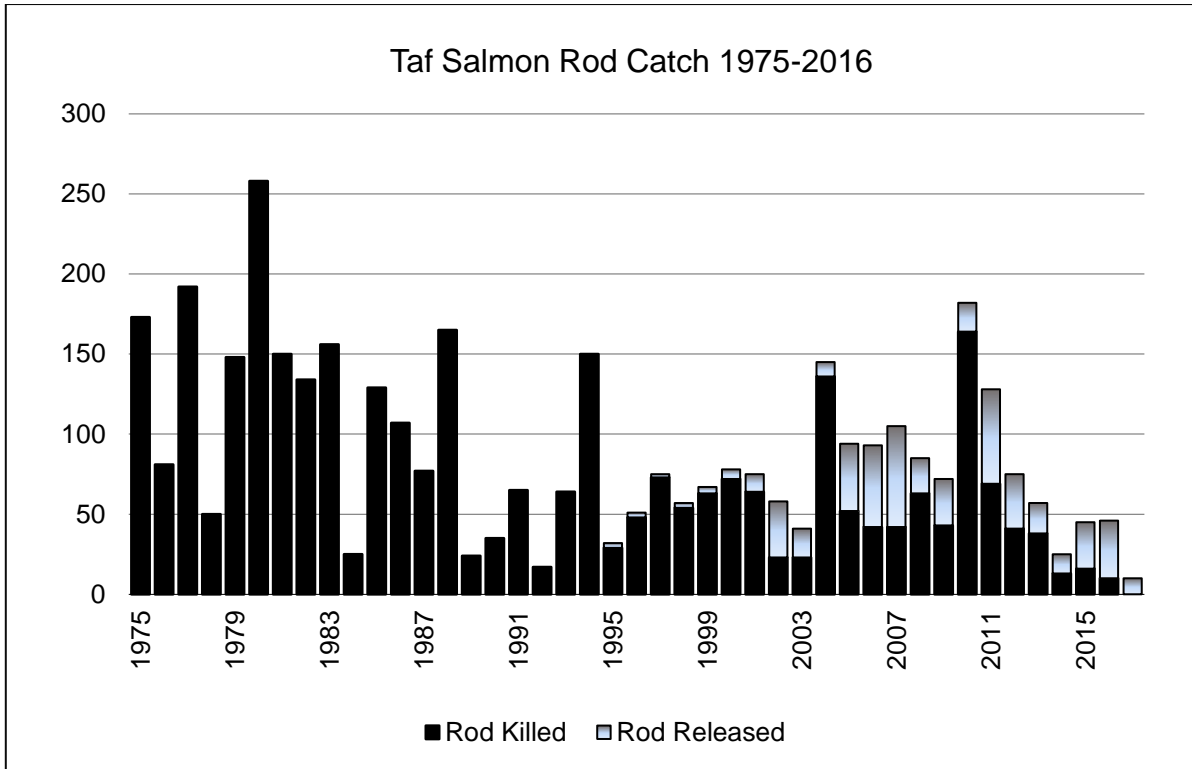
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Banwy - Y Fron	1.4	0.6	19.6	0.0	8.9	2.6			14.3	1.0	2.2	1.2	11.1	1.1	-85%	17%	-80%	14%
Bechan Brook - Aberbechan					9.1	0.8	6.4	1.6	1.3	0.3	3.9	0.0	5.6	0.9	190%	-100%	-31%	-100%
Cain - Green Hall					17.6	0.0	19.6	2.9	20.5	1.3	1.7	0.6	19.2	1.4	-92%	-52%	-91%	-57%
Camlad - Forden Hospital	0.4	0.4					4.5	1.5	0.8	2.0	6.4	0.8	1.9	1.3	700%	-60%	238%	-38%
Carno - Wig Bridge					40.6	1.1	55.3	0.3	10.3	0.5	5.7	0.6	35.4	0.6	-45%	14%	-84%	-6%
Clywedog - U/S									0.0	3.6	0.4	0.2	0.0	3.6	+	-94%	+	-94%
Dieldre Conf																		
Dulas - Rank Cottage							17.6	4.9	17.8	4.3	17.8	9.4	17.7	4.6	0%	118%	1%	104%
Gam - Cefnllys Uchaf					10.3	5.3	21.7	2.9	15.3	4.0	1.8	1.2	15.7	4.0	-88%	-70%	-89%	-70%
Mule - Abermule			13.1	3.3	17.9	2.8					9.6	2.5	15.5	3.0			-38%	-17%
Rhiew - New Mills			10.0	1.5	14.6	3.4	27.1	2.7	29.7	3.4	2.0	4.2	20.4	2.7	-93%	23%	-90%	54%
Rhiew - RVL R			1.9	1.9	16.6	0.8	44.0	2.0	20.9	7.6	8.9	4.9	20.8	3.0	-57%	-35%	-57%	61%
Severn - Old Hall					15.9	7.7	24.9	4.4	3.7	4.8	22.9	2.4	14.8	5.7	525%	-50%	55%	-58%
Tanat - Peddair Ffordd			13.2	0.8	25.7	0.5	16.7	0.3	19.6	0.2	4.7	1.1	18.8	0.5	-76%	395%	-75%	138%
Tanat - U/S	6.6	1.4					8.3	2.1	2.4	0.3	3.9	0.0	5.8	1.3	61%	-100%	-33%	-100%
Llangynog STW																		
Twrch - Dol y Gaseg			33.3	1.1					26.1	7.8	8.0	5.8	29.7	4.4	-69%	-25%	-73%	31%
Vyrnwy - Plas Dolanog Falls							10.1	6.7	43.6	3.9	4.6	1.8	26.8	5.3	-89%	-54%	-83%	-66%
<b>Average</b>	<b>2.8</b>	<b>0.8</b>	<b>15.2</b>	<b>1.4</b>	<b>17.7</b>	<b>2.5</b>	<b>21.3</b>	<b>2.7</b>	<b>15.1</b>	<b>3.0</b>	<b>6.5</b>	<b>2.3</b>	<b>14.4</b>	<b>2.1</b>	<b>-57%</b>	<b>-23%</b>	<b>-55%</b>	<b>11%</b>

# River Severn

Juvenile trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

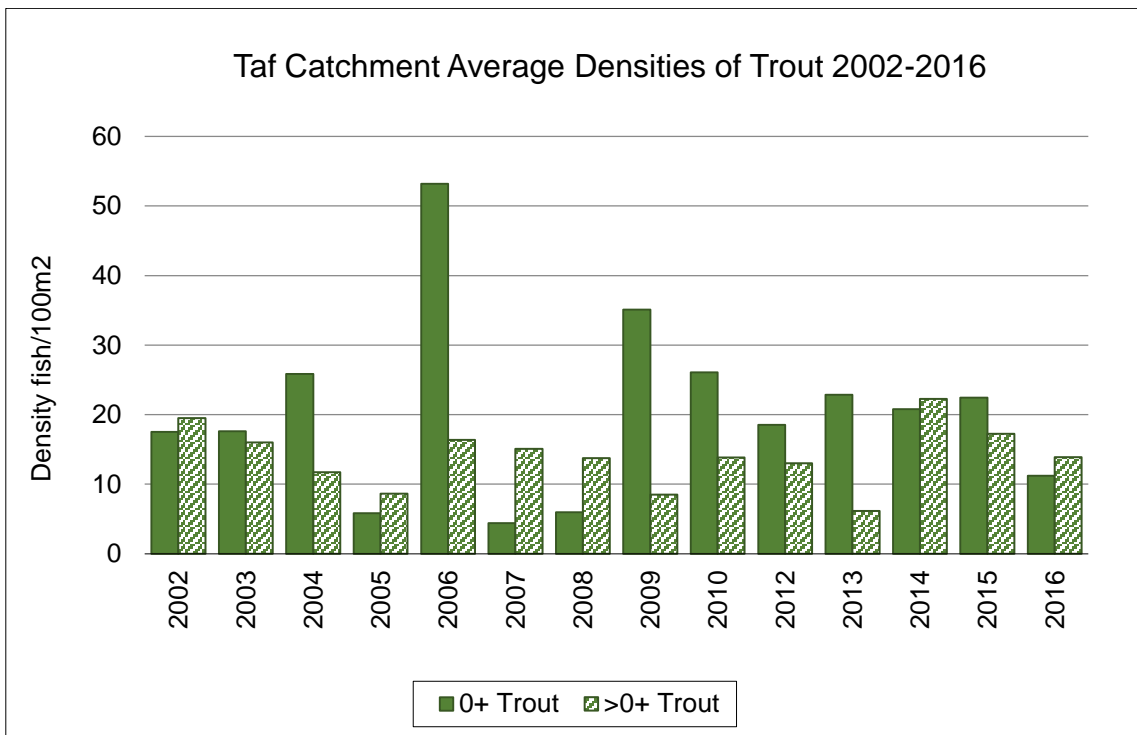
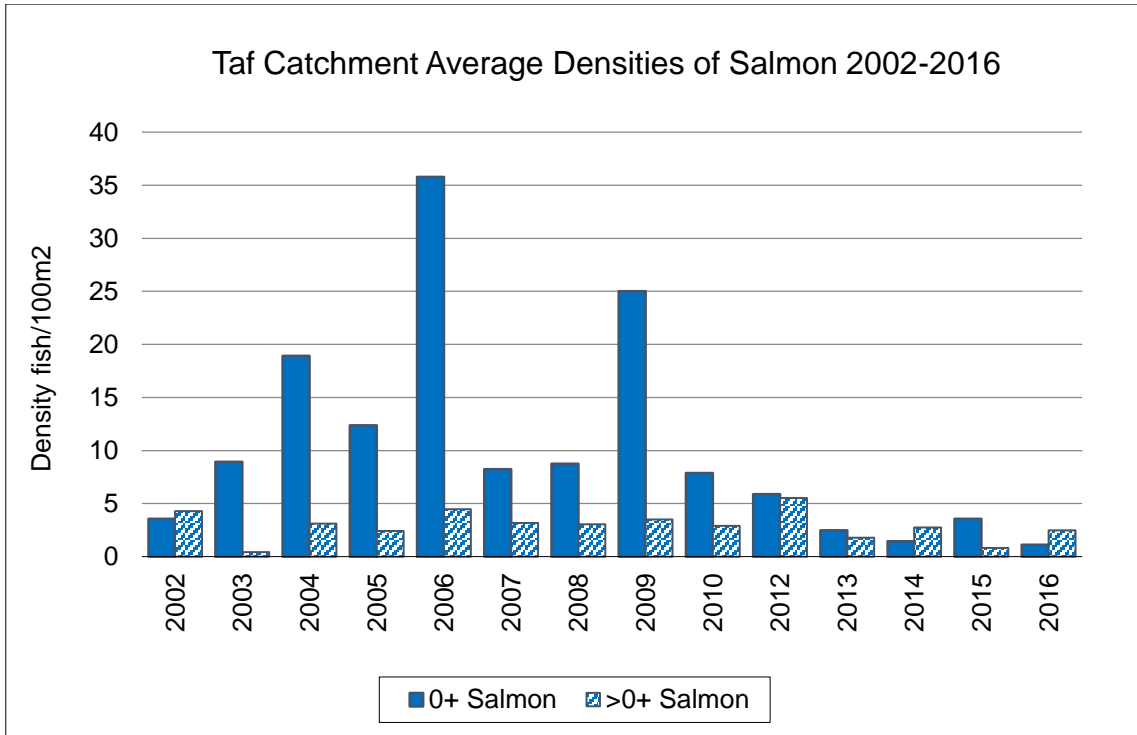
River - Site	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Banwy - Y Fron	0.8	0.4	4.4	0.4	3.4	0.3			1.0	1.4	0.5	1.5	2.4	0.6	-51%	5%	-79%	138%
Bechan Brook - Aberbechan					1.1	1.1	0.0	2.4	0.8	2.2	0.0	0.3	0.6	1.9	-100%	-86%	-100%	-84%
Cain - Green Hall					0.8	2.1	1.3	3.3	2.5	7.5	2.0	2.8	1.5	4.3	-21%	-63%	30%	-35%
Camlad - Forden Hospital	0.0	0.8					0.0	2.0	0.0	3.2	0.0	3.6	0.0	2.0	0%	13%	0%	81%
Carno - Wig Bridge					0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.3	0.0	0%	+	-100%	+
Clywedog - U/S									0.7	1.5	0.8	0.2	0.7	1.5	7%	-87%	7%	-87%
Dieldre Conf																		
Dulas - Rank Cottage							6.1	9.0	13.2	3.7	0.0	4.7	9.7	6.4	-100%	26%	-100%	-26%
Gam - Cefnllys Uchaf					0.8	3.0	1.4	2.6	0.5	2.5	0.0	1.4	0.9	2.7	-100%	-44%	-100%	-48%
Mule - Abermule			0.8	0.8	0.0	2.8					1.0	5.6	0.4	1.8			144%	213%
Rhiew - New Mills			0.2	0.7	1.1	0.0	5.8	1.8	0.5	0.5	0.7	4.6	1.9	0.8	33%	775%	-63%	506%
Rhiew - RVL R			0.3	1.9	0.0	0.4	5.3	5.3	0.0	9.3	0.4	6.1	1.4	4.2	+	-35%	-72%	44%
Severn - Old Hall					10.5	0.2	6.7	1.3	4.2	1.1	1.6	0.3	7.1	0.9	-62%	-73%	-78%	-66%
Tanat - Peddair Ffordd			0.0	0.3	0.3	0.0	1.7	0.7	1.1	0.0	0.2	0.0	0.8	0.2	-82%	0%	-74%	-100%
Tanat - U/S	0.3	11.8					14.6	8.3	5.2	5.2	3.9	6.1	6.7	8.4	-24%	18%	-42%	-28%
Llangynog STW																		
Twrch - Dol y Gaseg			2.8	2.2					4.0	6.2	3.3	2.2	3.4	4.2	-18%	-65%	-3%	-48%
Vyrnwy - Plas Dolanog Falls							1.0	0.2	1.0	0.7	0.0	0.2	1.0	0.4	-100%	-71%	-100%	-55%
<b>Average</b>	<b>0.4</b>	<b>4.3</b>	<b>1.4</b>	<b>1.1</b>	<b>1.9</b>	<b>1.0</b>	<b>3.7</b>	<b>3.1</b>	<b>2.3</b>	<b>3.0</b>	<b>0.9</b>	<b>2.6</b>	<b>1.9</b>	<b>2.5</b>	<b>-61%</b>	<b>-15%</b>	<b>-53%</b>	<b>3%</b>

# River Taf

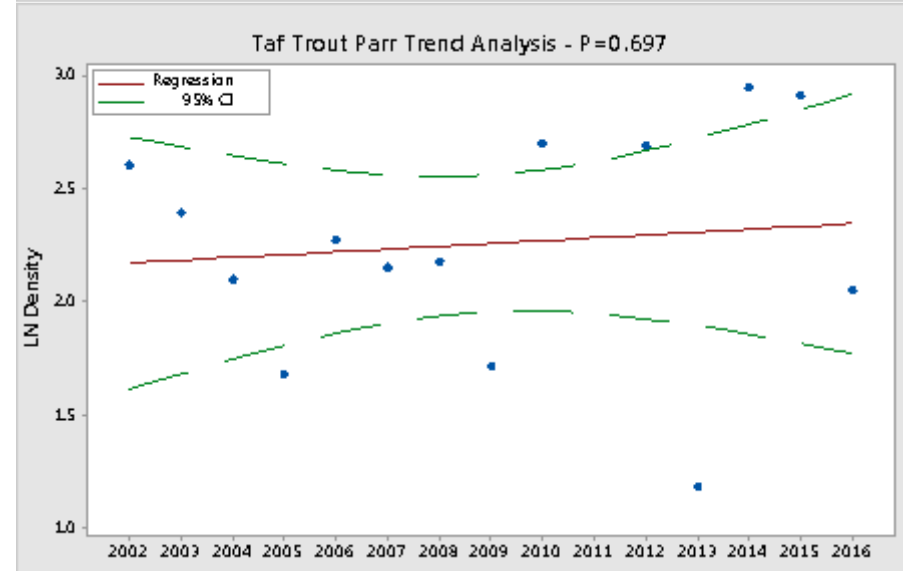
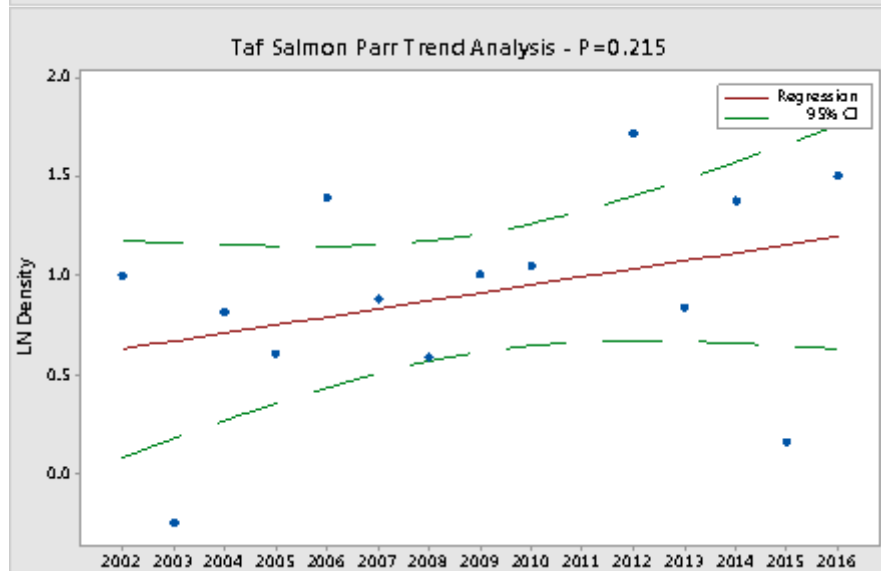
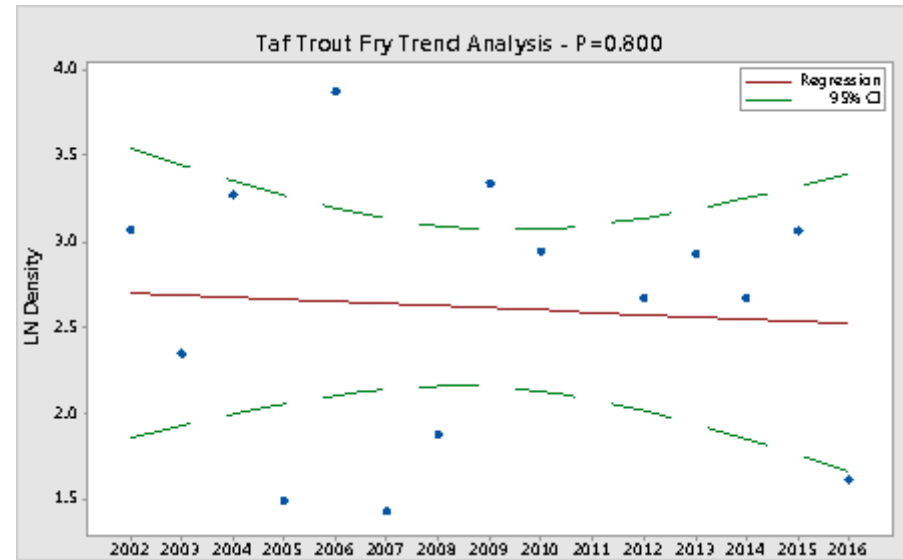
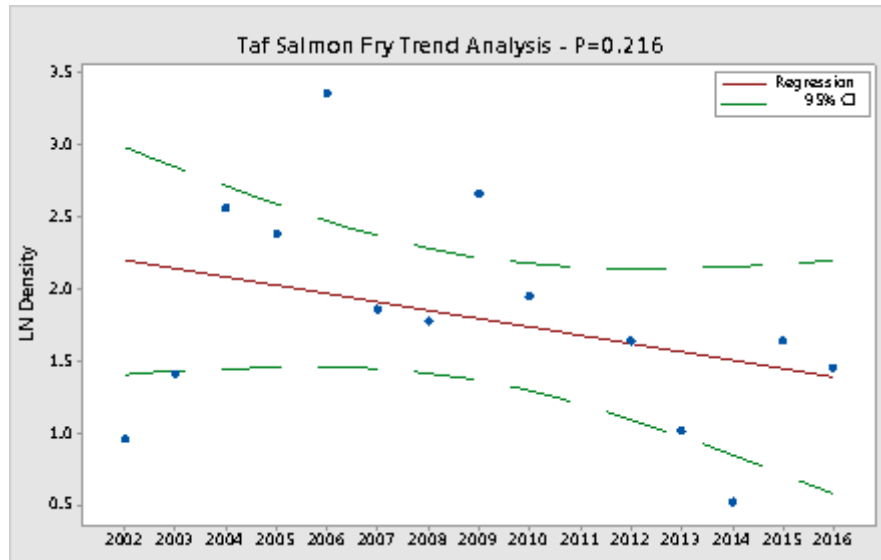


There is no net fishery for salmon or sea trout on the Taf

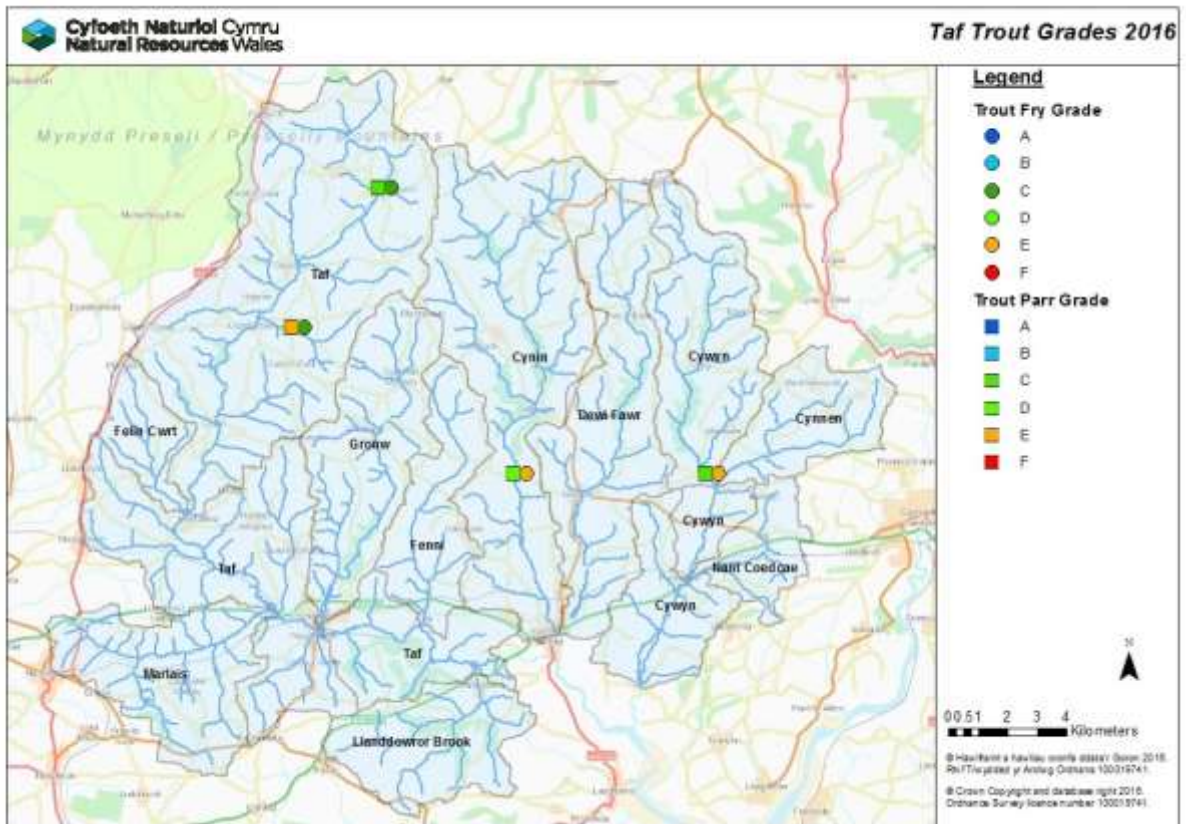
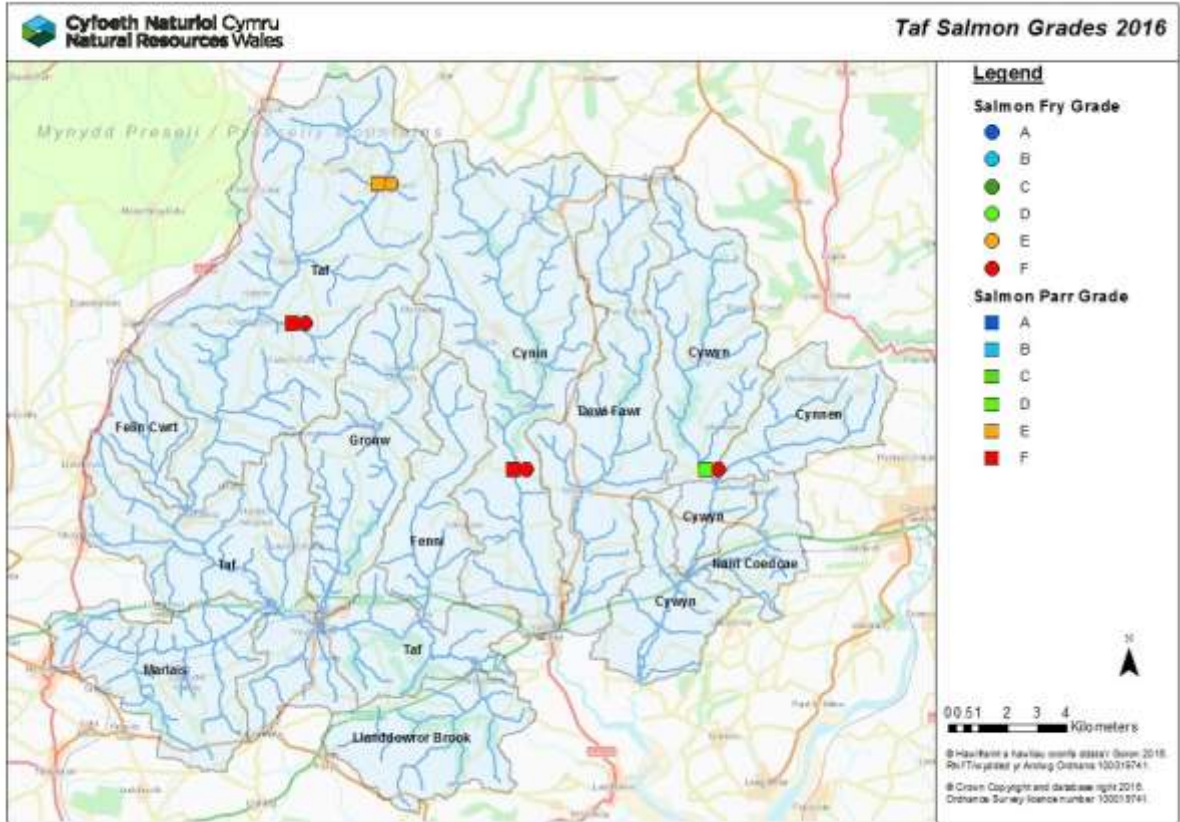
# River Taf



# River Taf



# River Taf



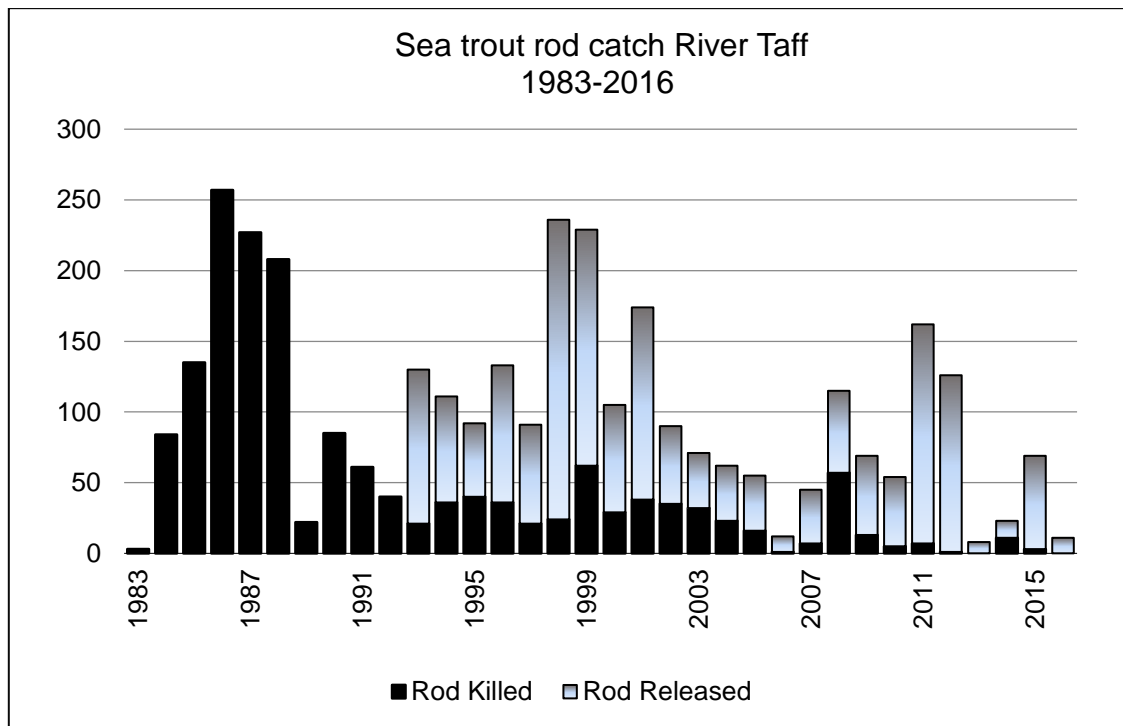
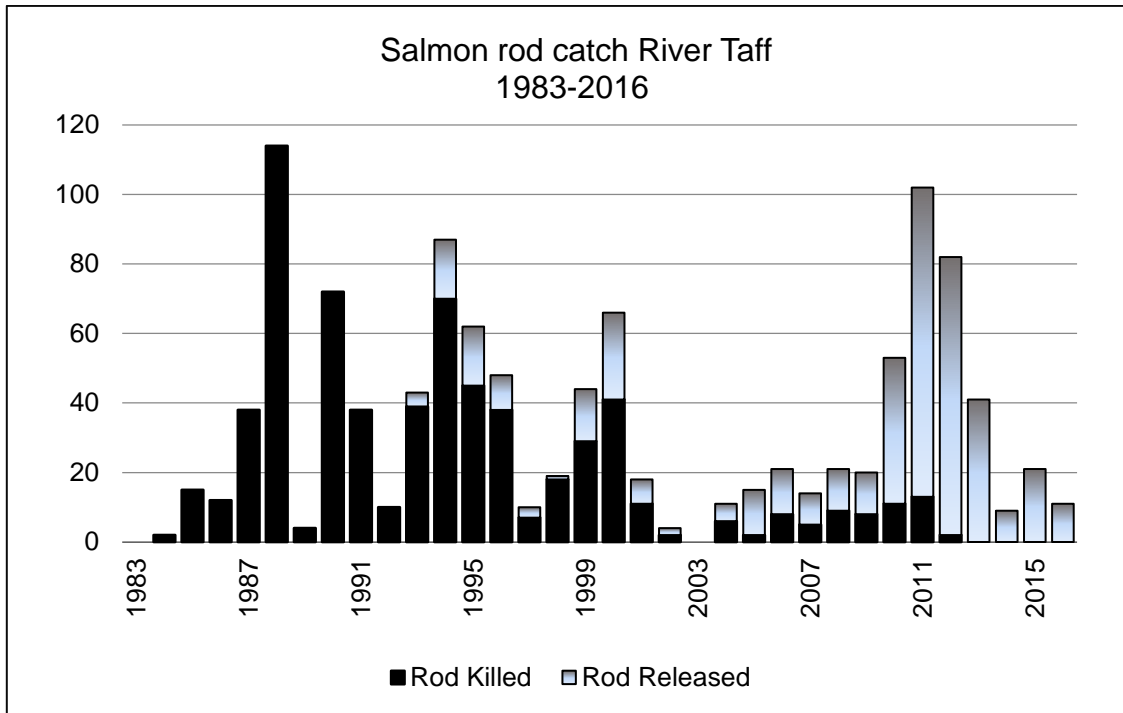
# River Taf

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Cynin - TA10			4.6	3.0	1.5	0.6	0.8	1.9	0.0	0.7	0.0	0.0	1.7	1.5	0%	-100%	-100%	-100%
Cywyn - TA02			4.7	6.0	2.0	0.0	0.6	2.3	5.6	0.5	0.0	5.2	3.3	2.2	-100%	921%	-100%	139%
Taf - TA38			2.8	1.6	0.9	2.2	1.7	2.1	2.2	0.4	2.4	1.2	1.9	1.6	10%	175%	28%	-23%
Tigen - TA34a			0.5	3.6	0.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	0%	0%	-100%	-100%
<b>Average</b>			<b>3.1</b>	<b>3.5</b>	<b>1.3</b>	<b>1.1</b>	<b>0.8</b>	<b>1.6</b>	<b>2.0</b>	<b>0.4</b>	<b>0.6</b>	<b>1.6</b>	<b>1.8</b>	<b>1.7</b>	<b>-69%</b>	<b>292%</b>	<b>-66%</b>	<b>-3%</b>

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Cynin - TA10			4.6	10.5	7.7	4.7	4.2	15.5	5.9	14.5	0.8	4.8	5.6	11.3	-86%	-67%	-86%	-58%
Cywyn - TA02			7.3	11.1	4.1	0.5	2.3	17.7	10.3	11.8	0.4	13.5	6.0	10.3	-96%	15%	-93%	32%
Taf - TA38			4.5	7.3	28.8	11.2	20.0	22.6	19.1	14.7	11.4	18.3	18.1	13.9	-40%	25%	-37%	32%
Tigen - TA34a			27.2	5.4	13.4	0.0	22.9	2.0	17.9	4.6	14.0	0.5	20.4	3.0	-22%	-90%	-31%	-85%
<b>Average</b>			<b>10.9</b>	<b>8.6</b>	<b>13.5</b>	<b>4.1</b>	<b>12.3</b>	<b>14.4</b>	<b>13.3</b>	<b>11.4</b>	<b>6.7</b>	<b>9.3</b>	<b>12.5</b>	<b>9.6</b>	<b>-50%</b>	<b>-19%</b>	<b>-47%</b>	<b>-4%</b>

# Rivers Taff and Ely



There is no salmon or sea trout net fishery on the Taff or Ely

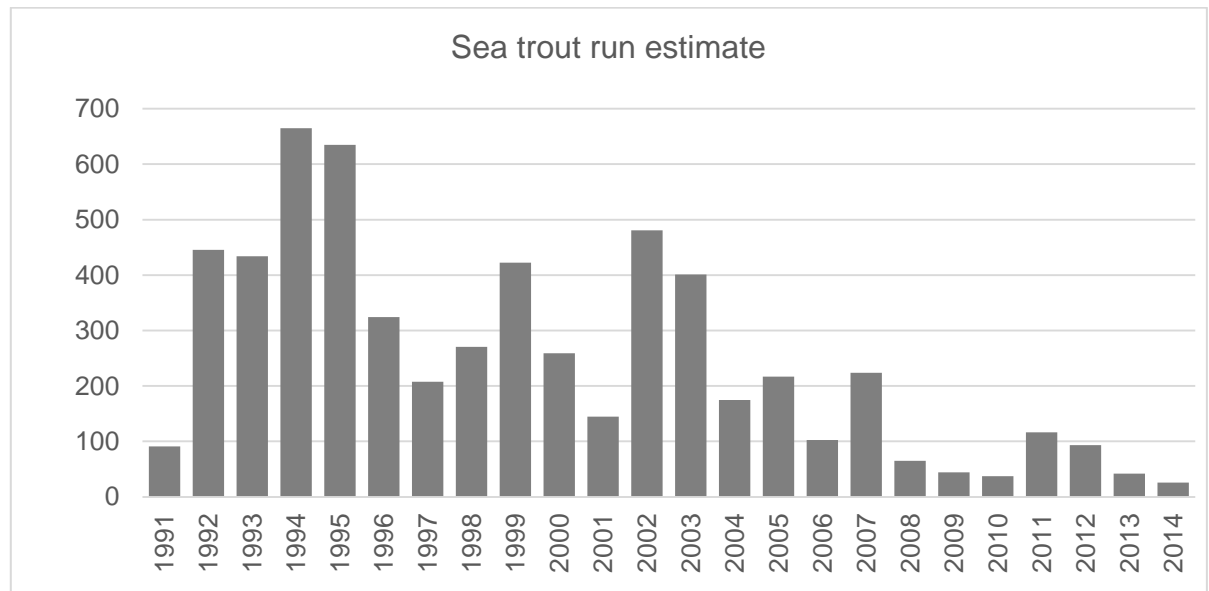
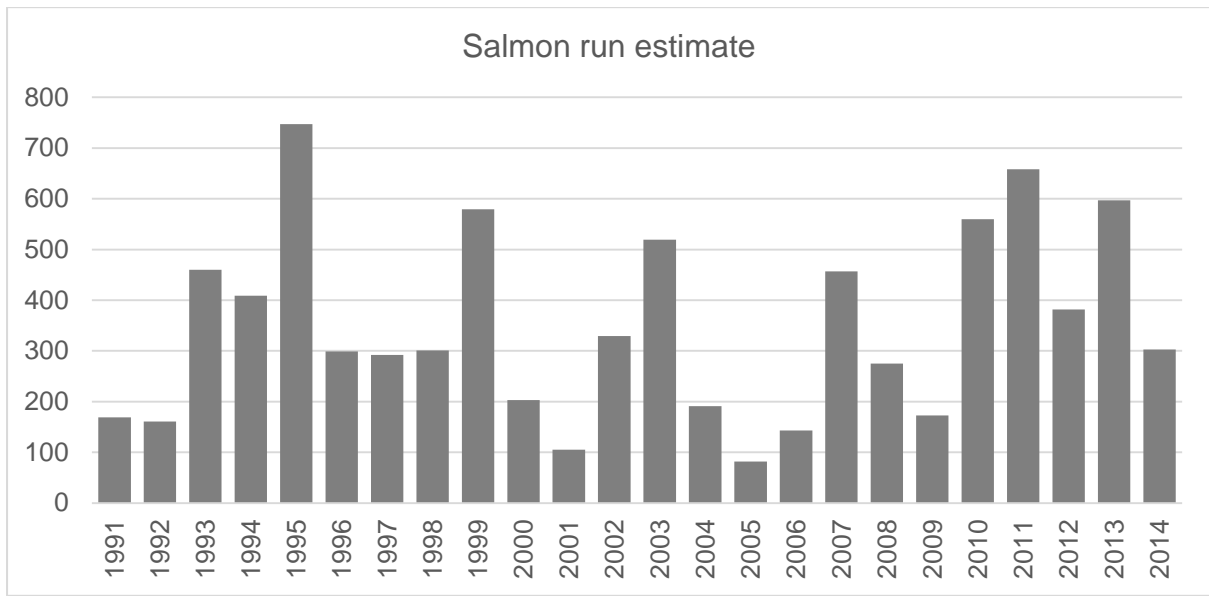


# Rivers Taff and Ely

## Fish trap data

Since 1991 a fish trap has been operated at either Blackweir or Radyr on the River Taff. Variable trapping effort has been extrapolated to give an annual estimate of Taff salmon and sea trout adult numbers, shown in the graphs below. It is this data that is used for the Egg Deposition Target compliance assessment, rather than the rod catch.

Due to the installation of a hydropower system on Radyr weir there was no fish trapping in 2015 or 2016.



# Rivers Taff and Ely

## Cardiff Barrage fish counter data

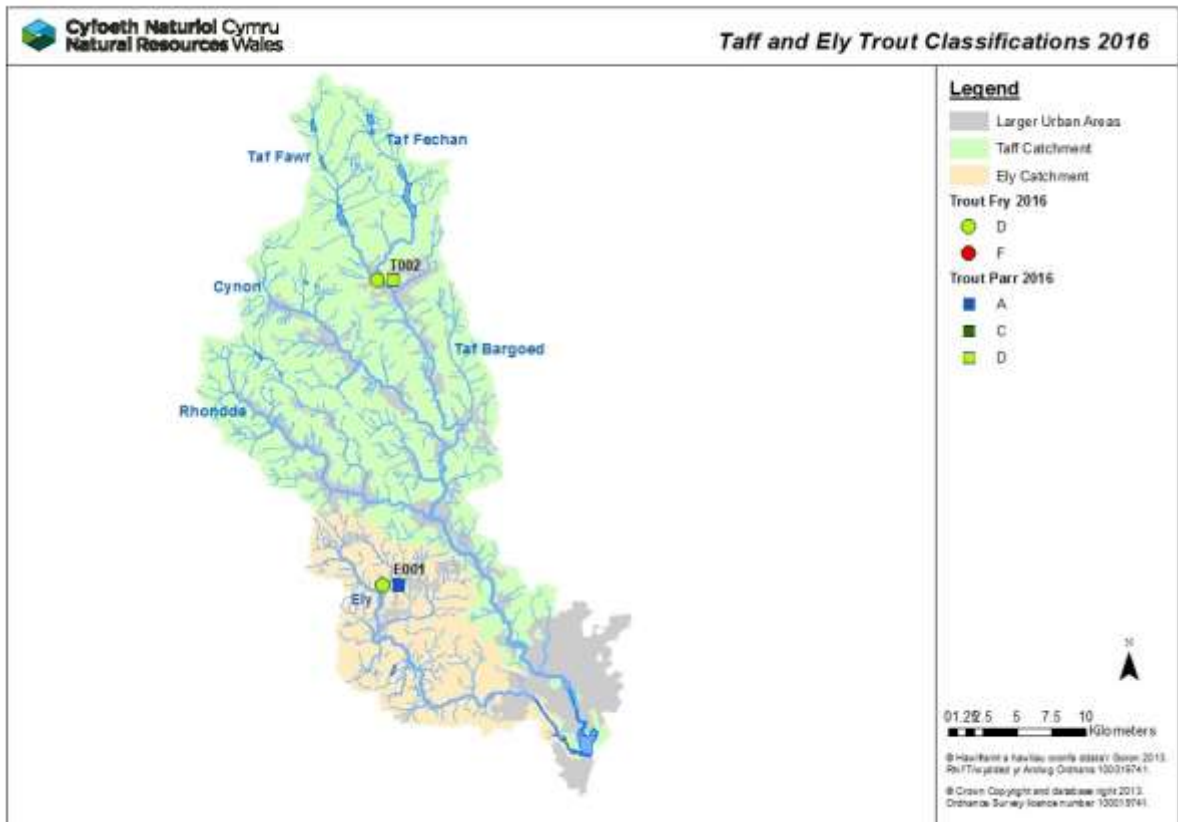
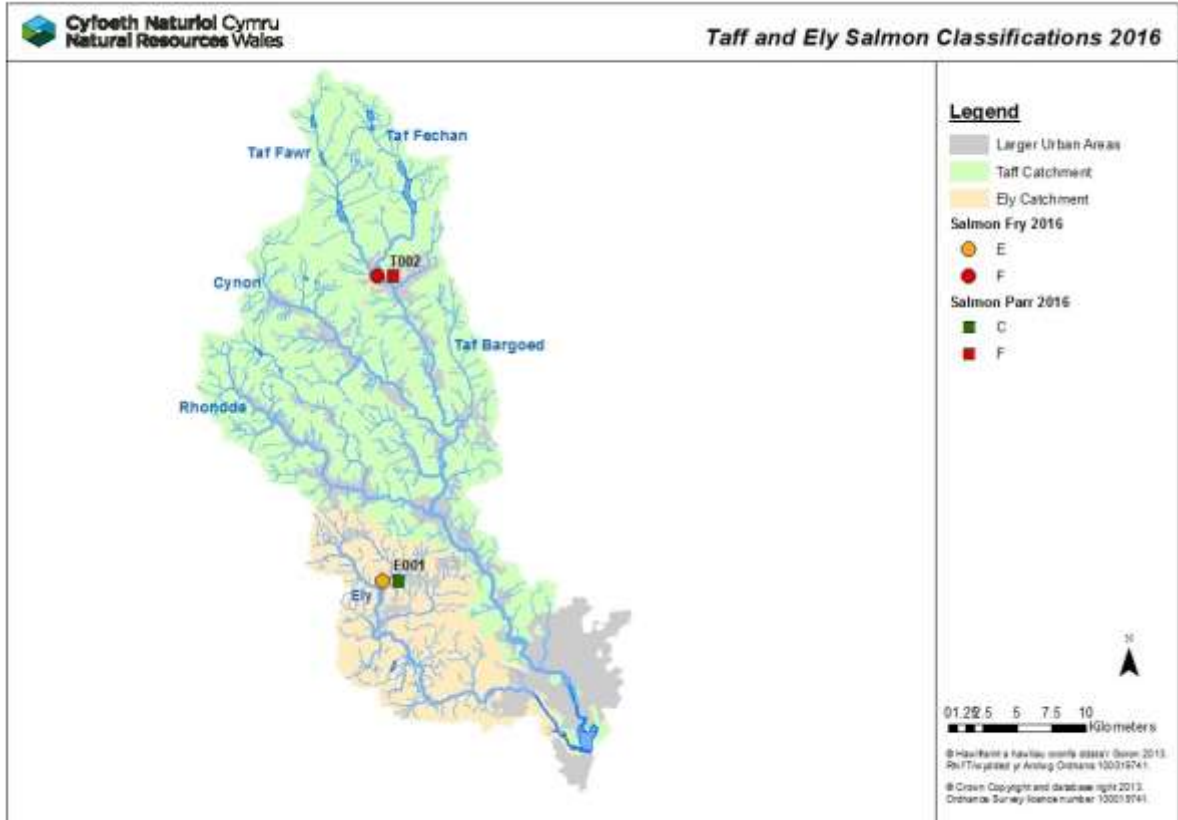
Salmon passage through the Cardiff Bay Barrage, into the rivers Taff and Ely, is monitored by two Vaki Riverwatcher fish counters. One counter is situated on the main pass, the other on the auxiliary pass. Both counters have been generating data since 2008, although the counters were running at a lower efficiency for these first two years, and so only data from 2010 onwards is shown below.

The primary route into the bay is through the main pass. A programme of validation has been carried out on the main pass counter and an assessment of fish passage up the sides of the fishway gate carried out - it is possible for fish to traverse the sides of the fishway gate at certain states of tides and enter the bay without passing through the counter. The numbers of salmon entering Cardiff Bay are estimated by adding together the counts from both the main pass (adjusted for counter efficiency and proportion of fish traversing the fishway gate) and the auxiliary pass. Some passage may occur via other routes (e.g. locks and sluices) but this is not considered to be significant.

The main Vaki was down for the majority 2012 and as such is excluded from this data set.

<b>Year</b>	<b>Total run estimate for salmon</b>
2010	361
2011	1211
2012	-
2013	867
2014	687
2015	787
2016	476

# Rivers Taff and Ely



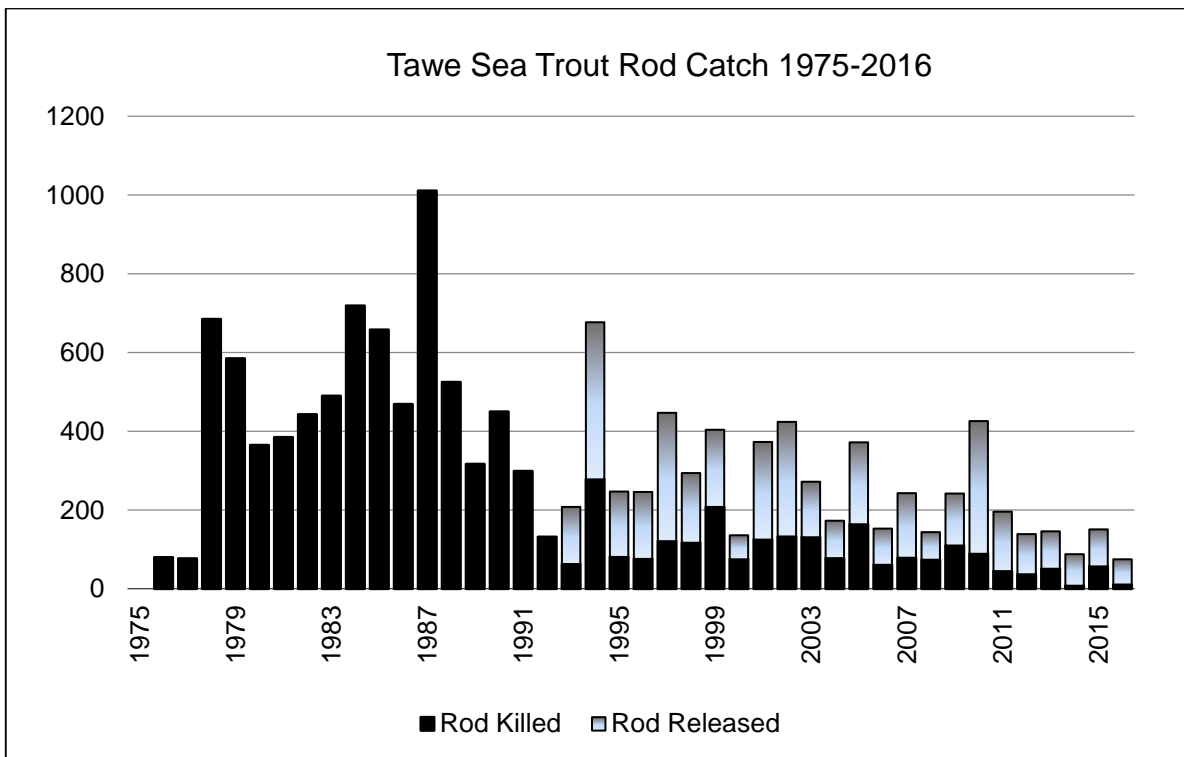
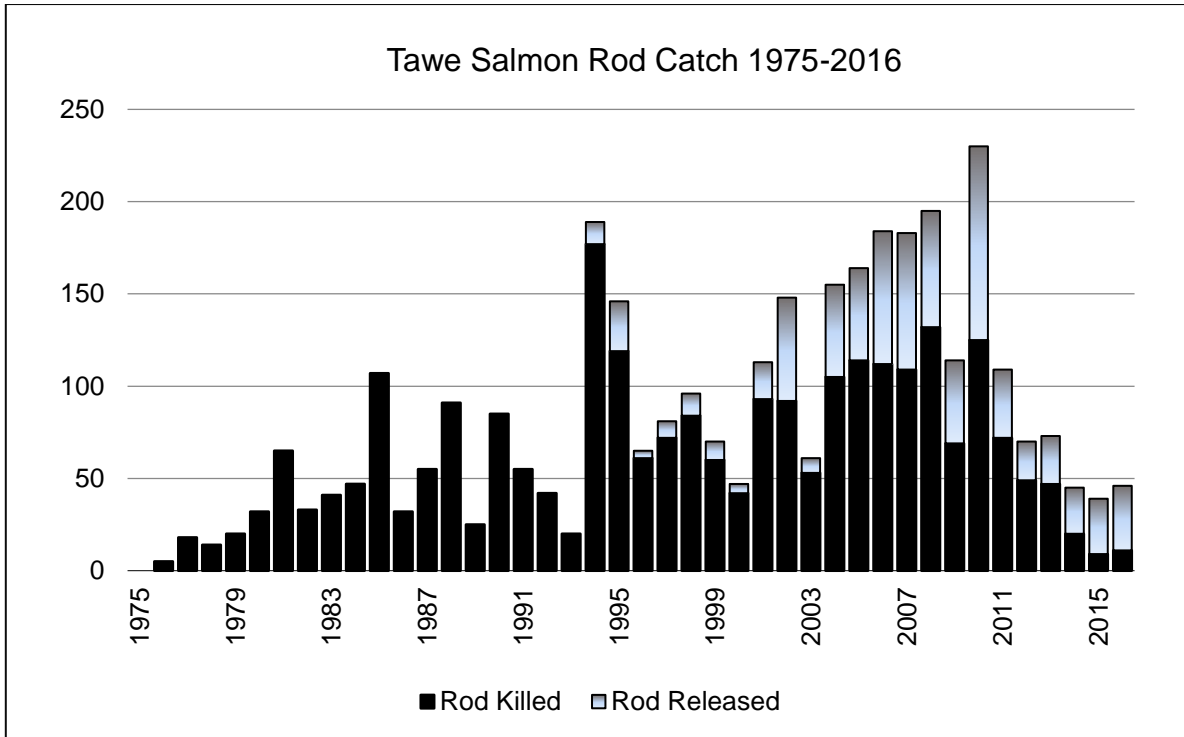
# Rivers Taff and Ely

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Taff Taf Fechan - T002 Taff Fawr - T004 <b>Average</b>			0.5	5.3	0.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.7	0%	0%	-100%	-100%
			0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.6			0.1	0.2				
			<b>0.3</b>	<b>2.7</b>	<b>0.1</b>	<b>0.8</b>	<b>0.1</b>	<b>0.0</b>	<b>0.2</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.9</b>	<b>-100%</b>	<b>-100%</b>	<b>-100%</b>	<b>-100%</b>
Ely Nant Mychydd - E001			2.2	3.7	0.5	19.4	30.0	4.2	29.3	7.1	1.5	5.7	15.5	8.6	-95%	-20%	-90%	-34%

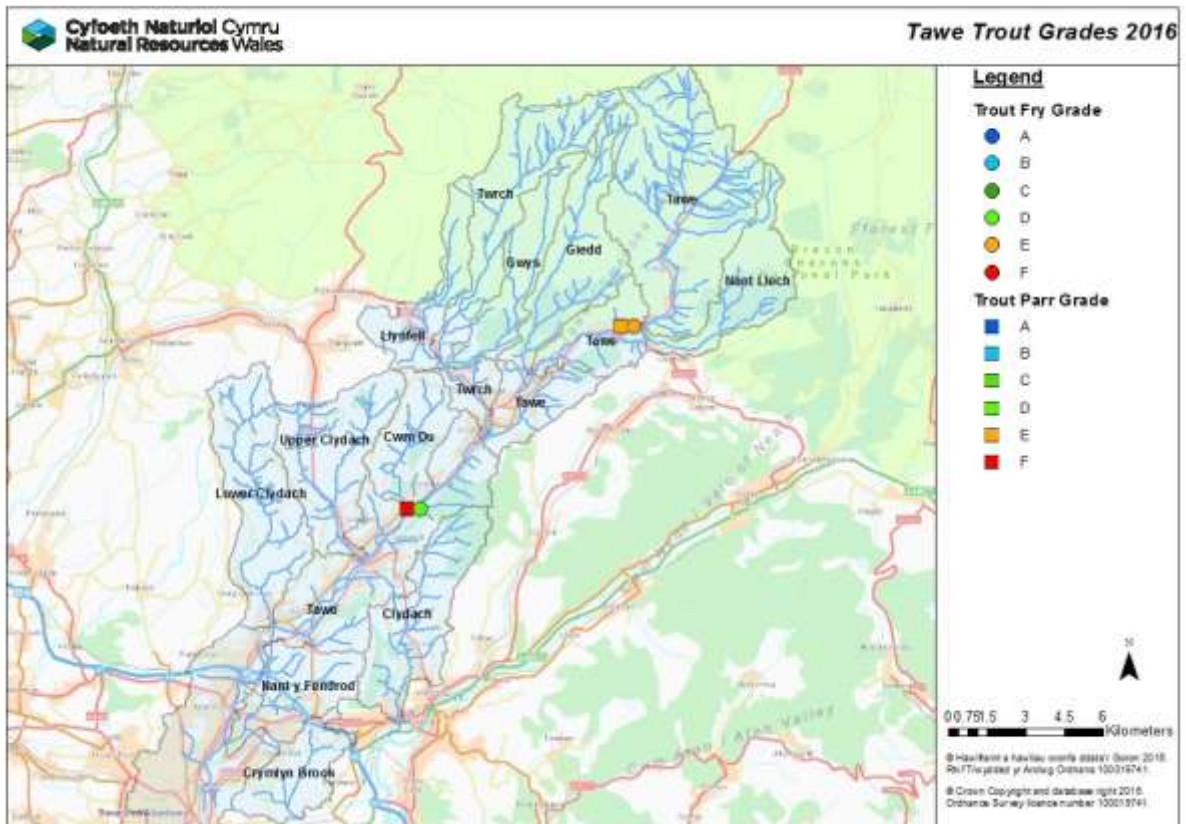
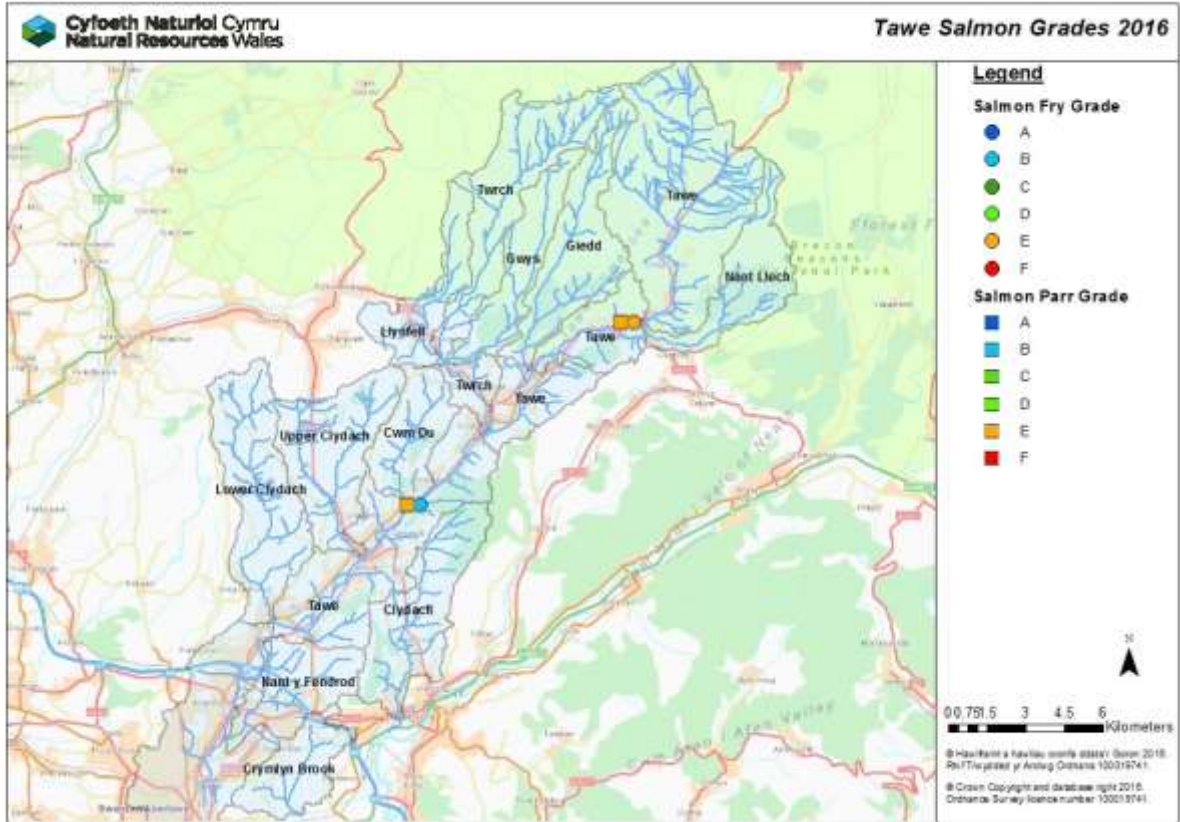
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Taff Taf Fechan - T002 Taff Fawr - T004 <b>Average</b>			0.8	6.9	4.3	2.4	4.9	2.2	6.3	4.7	3.9	2.0	4.1	4.0	-38%	-58%	-4%	-51%
			2.0	2.5	0.2	5.4	0.9	1.4	5.8	5.5			2.2	3.7				
			<b>1.4</b>	<b>4.7</b>	<b>2.3</b>	<b>3.9</b>	<b>2.9</b>	<b>1.8</b>	<b>6.0</b>	<b>5.1</b>	<b>3.9</b>	<b>2.0</b>	<b>3.2</b>	<b>3.9</b>	<b>-35%</b>	<b>-61%</b>	<b>25%</b>	<b>-49%</b>
Ely Nant Mychydd - E001			4.8	8.4	3.3	18.4	25.8	12.1	12.9	25.3	4.2	26.0	11.7	16.1	-68%	3%	-64%	62%

# River Tawe



There is no net fishery for salmon or sea trout on the Tawe

# River Tawe



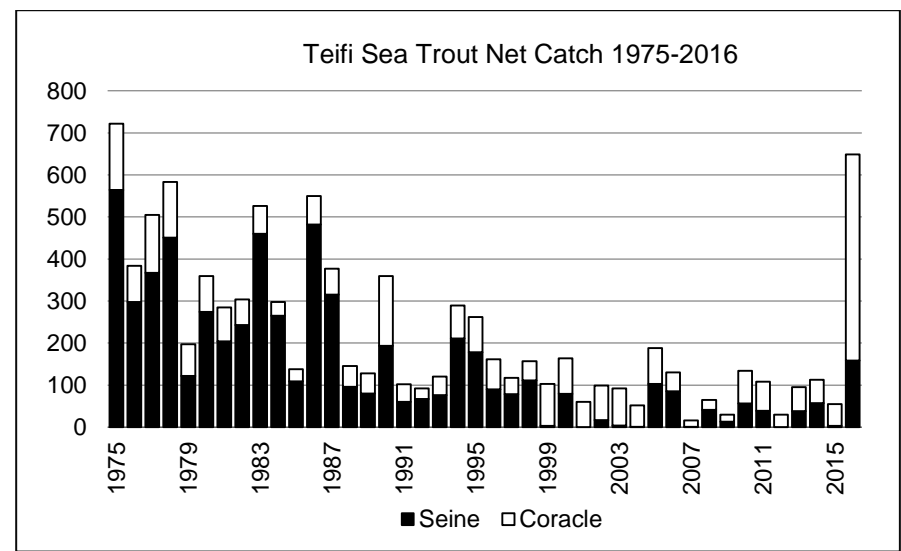
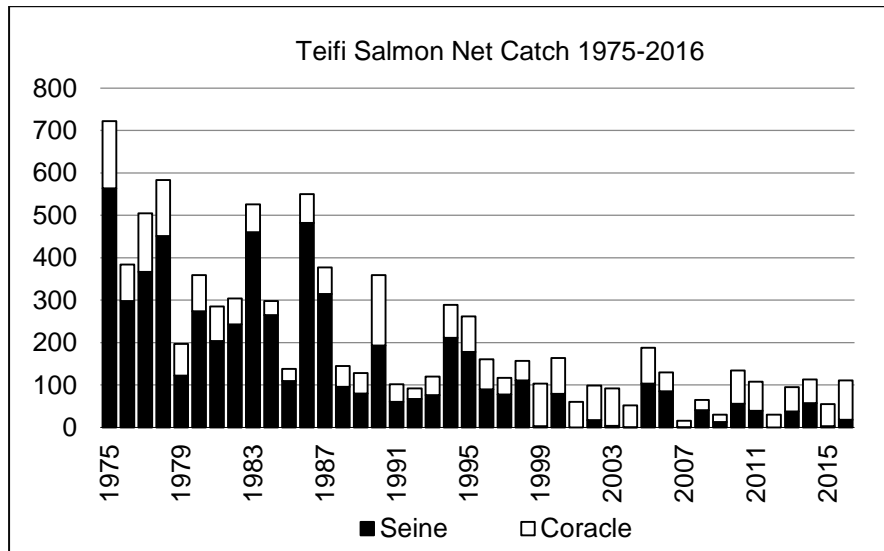
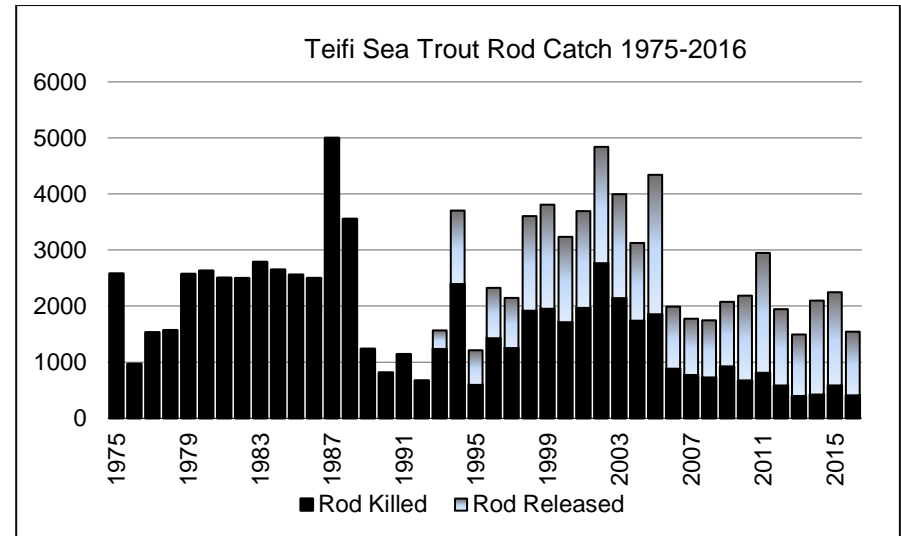
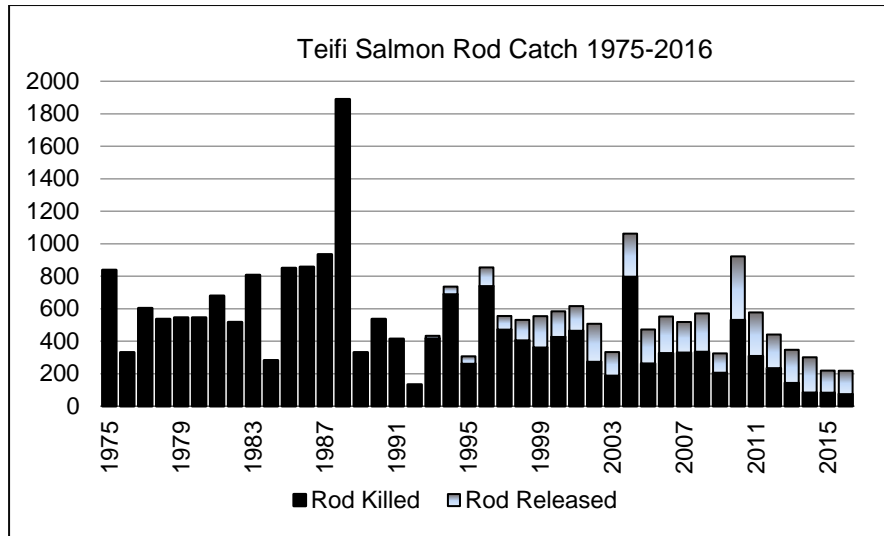
# River Tawe

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Cwm du - TW03	12.1	5.0	15.8	3.5	12.6	0.9	8.0	5.6	4.4	2.0	34.4	4.0	10.6	3.4	685%	105%	225%	18%
Tawe - TW05	2.7	2.2	1.2	3.9	2.6	3.5	9.7	1.8	18.0	3.1	0.8	3.1	6.8	2.9	-95%	0%	-88%	8%
<b>Average</b>	<b>7.4</b>	<b>3.6</b>	<b>8.5</b>	<b>3.7</b>	<b>7.6</b>	<b>2.2</b>	<b>8.9</b>	<b>3.7</b>	<b>11.2</b>	<b>2.5</b>	<b>17.6</b>	<b>3.6</b>	<b>8.7</b>	<b>3.1</b>	<b>58%</b>	<b>41%</b>	<b>102%</b>	<b>13%</b>

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Cwm du - TW03	23.0	2.5	5.9	0.5	38.8	0.0	17.2	1.6	33.2	0.0	13.2	0.0	23.6	0.9	-60%	0%	-44%	-100%
Tawe - TW05	1.5	1.0	3.1	2.0	12.5	6.4	5.4	2.2	13.2	2.8	4.0	2.0	7.2	2.9	-70%	-28%	-44%	-28%
<b>Average</b>	<b>12.2</b>	<b>1.7</b>	<b>4.5</b>	<b>1.2</b>	<b>25.6</b>	<b>3.2</b>	<b>11.3</b>	<b>1.9</b>	<b>23.2</b>	<b>1.4</b>	<b>8.6</b>	<b>1.0</b>	<b>15.4</b>	<b>1.9</b>	<b>-63%</b>	<b>-28%</b>	<b>-44%</b>	<b>-46%</b>

# River Teifi





# River Teifi

A DIDSON imaging sonar has been annually deployed at Glanteifi to monitor and enumerate salmon migration since 2009. The overall aims of the Glanteifi salmon monitoring site is to provide data that can be used to:

1. Investigate the relationships between adult salmon migration and environmental factors such as river flow;
2. Provide stock assessment data for fisheries management.

Combining the early season run estimate (from rod exploitation) and the DIDSON derived run estimate for July to November gives a total estimate of the salmon run into the Teifi for each year (see table below). Some fish may enter between January and March and again in December but this is likely to be minimal. Both the annual run estimates and the rod catches have shown a continuous decline since the first year of deployment in 2010. Both the rod catch and run estimate for 2014 are approximately a third of the estimate for 2010, with the run estimate decreasing from 6,056 to 1,901 and the rod catch decreasing from 1013 to 331. As such the extant rod exploitation rate has remained relatively constant over the period, with a minimum estimate of 16.1% in 2011 and maximum of 18.5% in 2012.

**Annual run estimates of salmon and rod exploitation at Glanteifi between 2010 and 2015**

Year	Early Season Estimate <sup>1</sup>	DIDSON Derived Run Estimate <sup>2</sup>	Total Run Estimate <sup>3</sup>	Annual Rod Catch <sup>4</sup>	Extant Rod Exploitation (%)
2010	930	5126	6056	1013	16.7
2011	1519	2421	3940	634	16.1
2012	1635	984	2619	485	18.5
2013	592	1610	2201	381	17.3
2014	787	1114	1901	331	17.4
2015 <sup>5</sup>	470	828	1298	298	23.0

*NB - numbers may be rounded up to give whole fish figures*

<sup>1</sup> *Early season estimate is based on early season rod catch, includes July prior to 2013.*

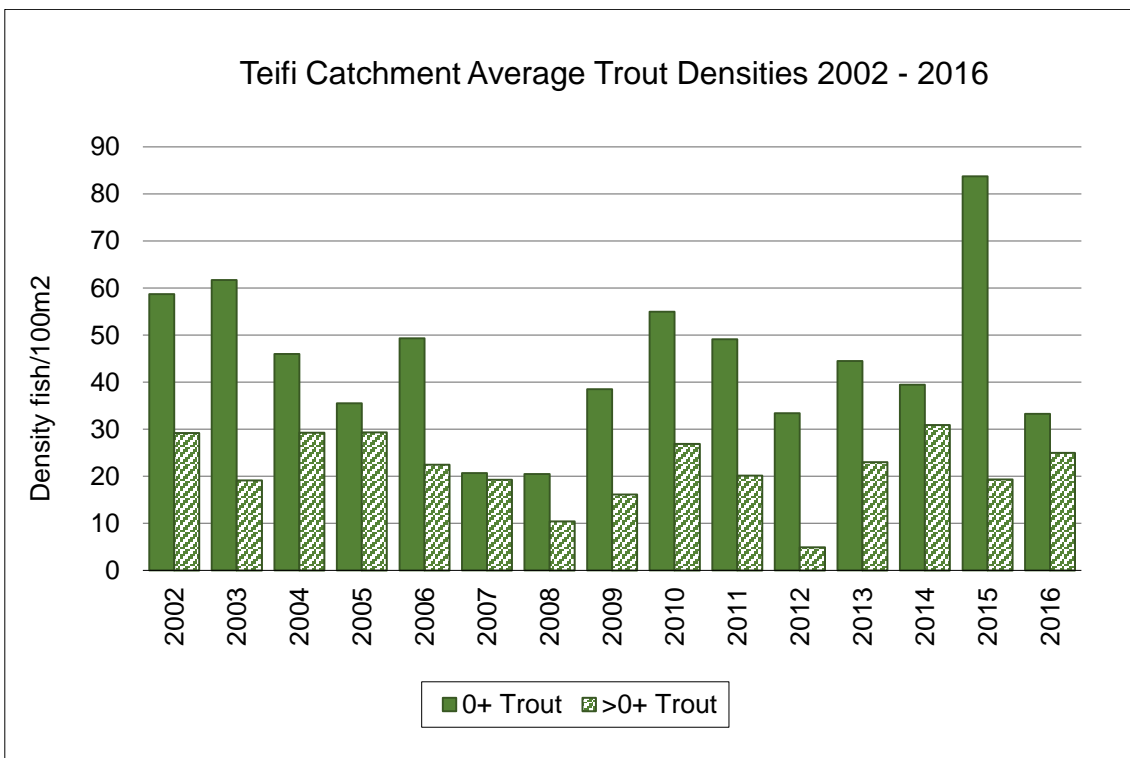
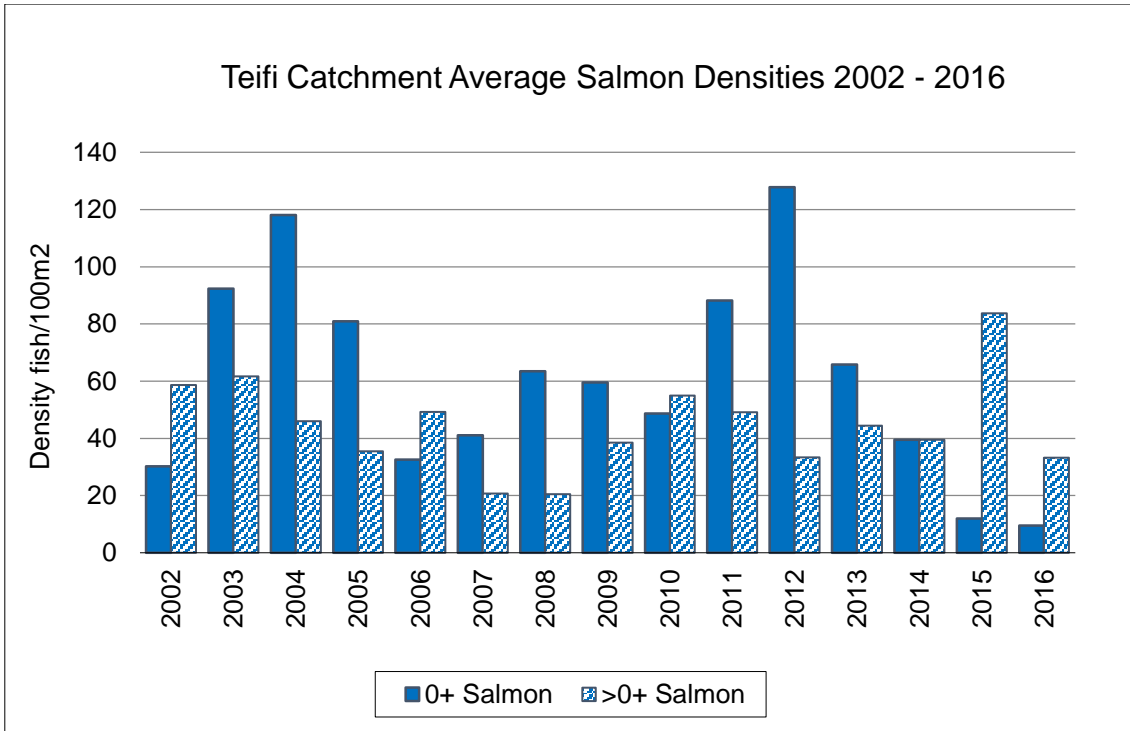
<sup>2</sup> *Salmon run estimates differ from those previously reported due to new species apportionment approach.*

<sup>3</sup> *No estimate is available for December to March.*

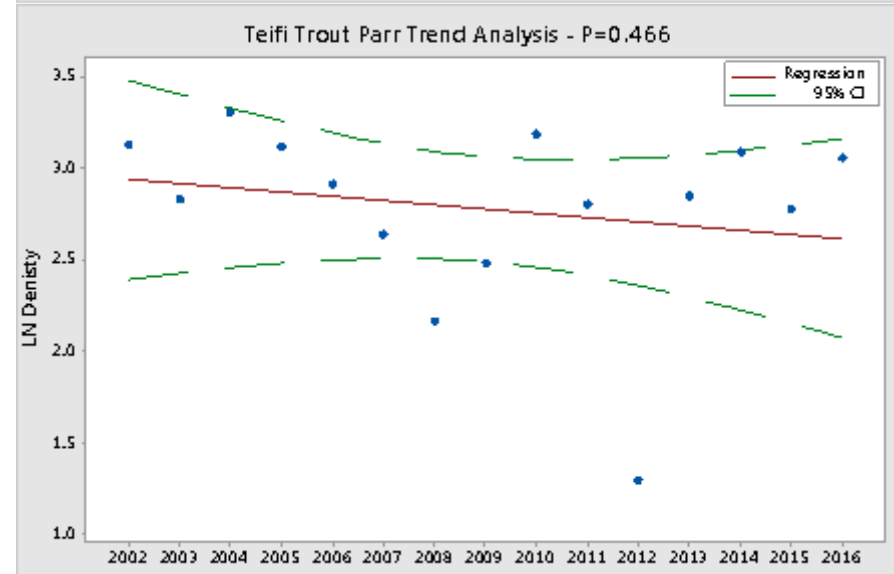
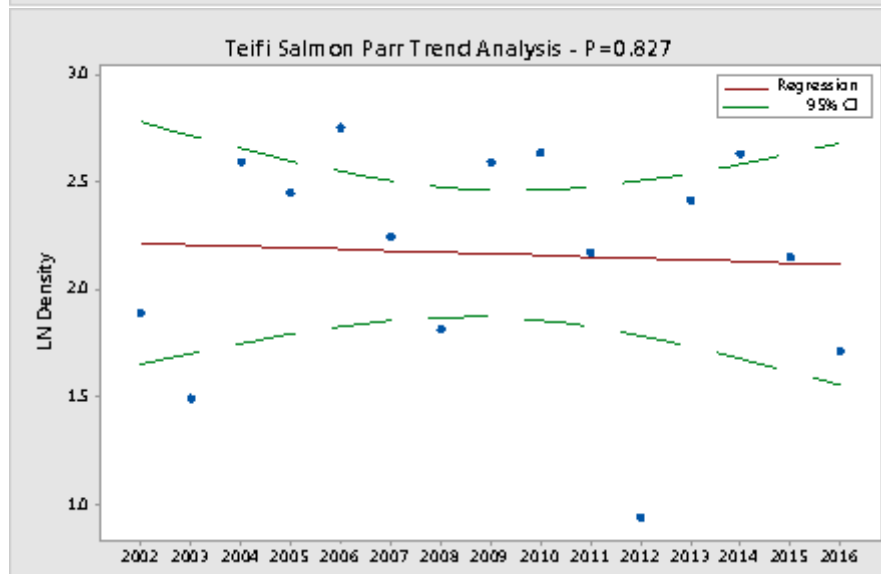
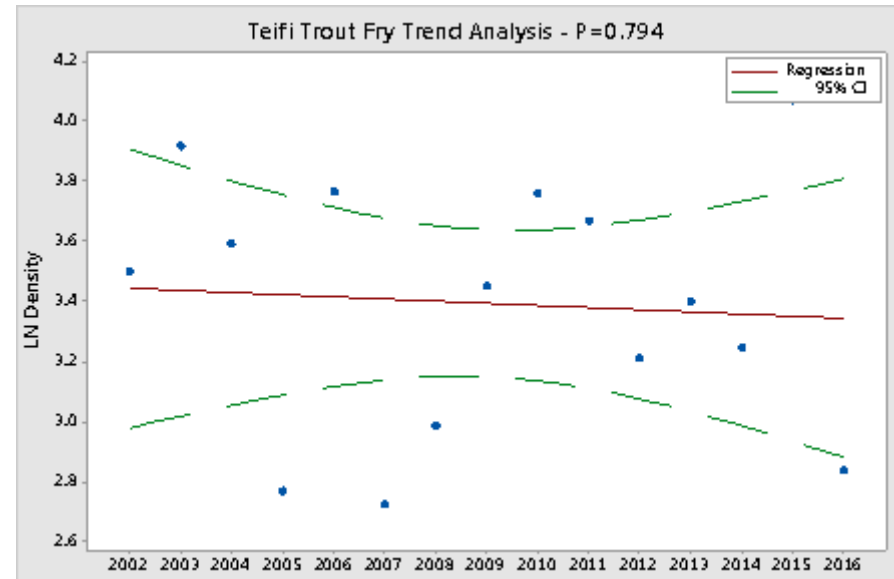
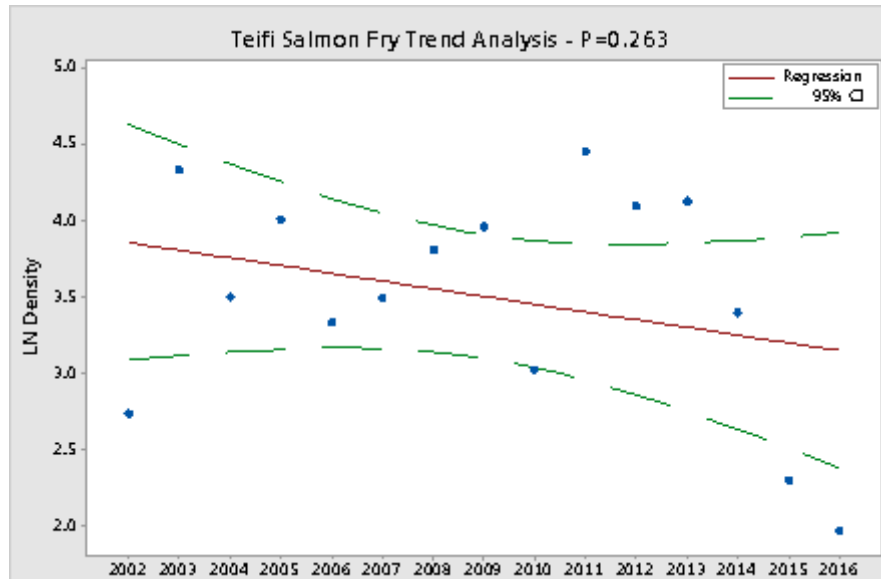
<sup>4</sup> *Figures adjusted for 1.1 licence return rate 2010 to 2014, and 1.36 for 2015.*

<sup>5</sup> *2015 figures are provisional*

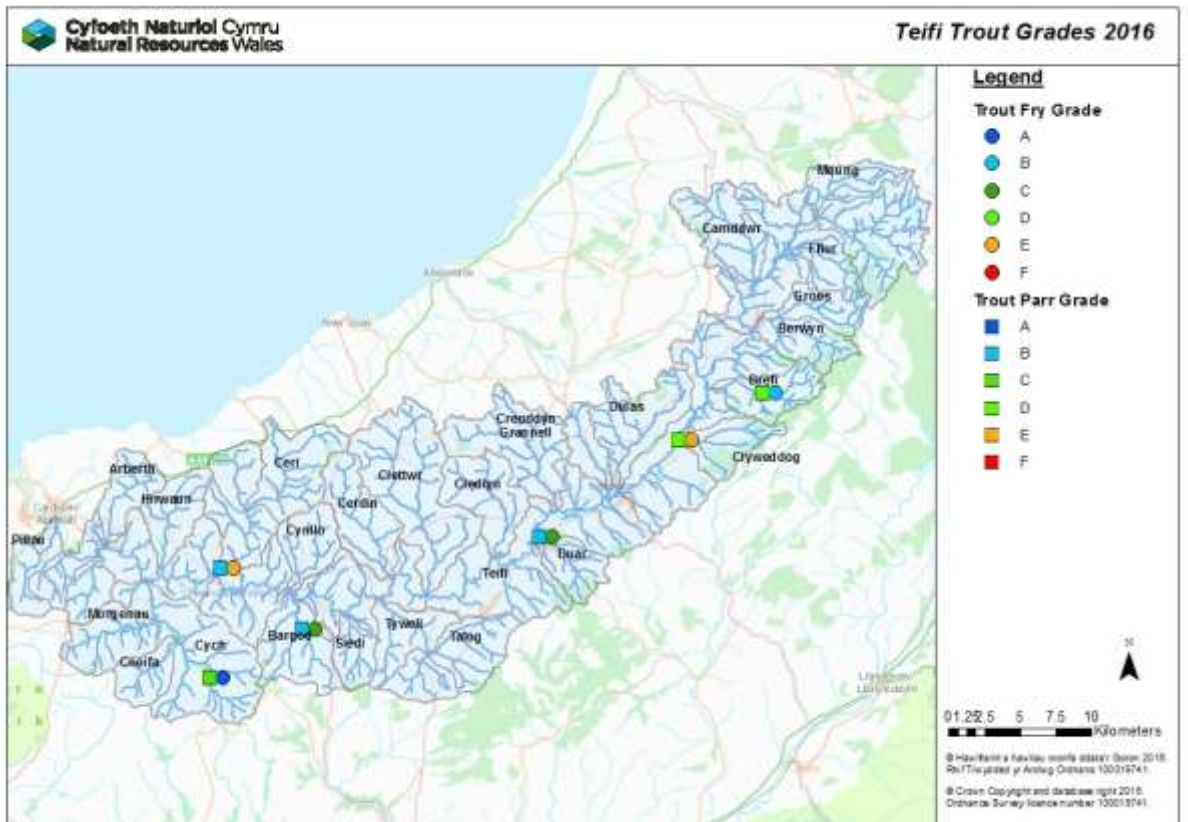
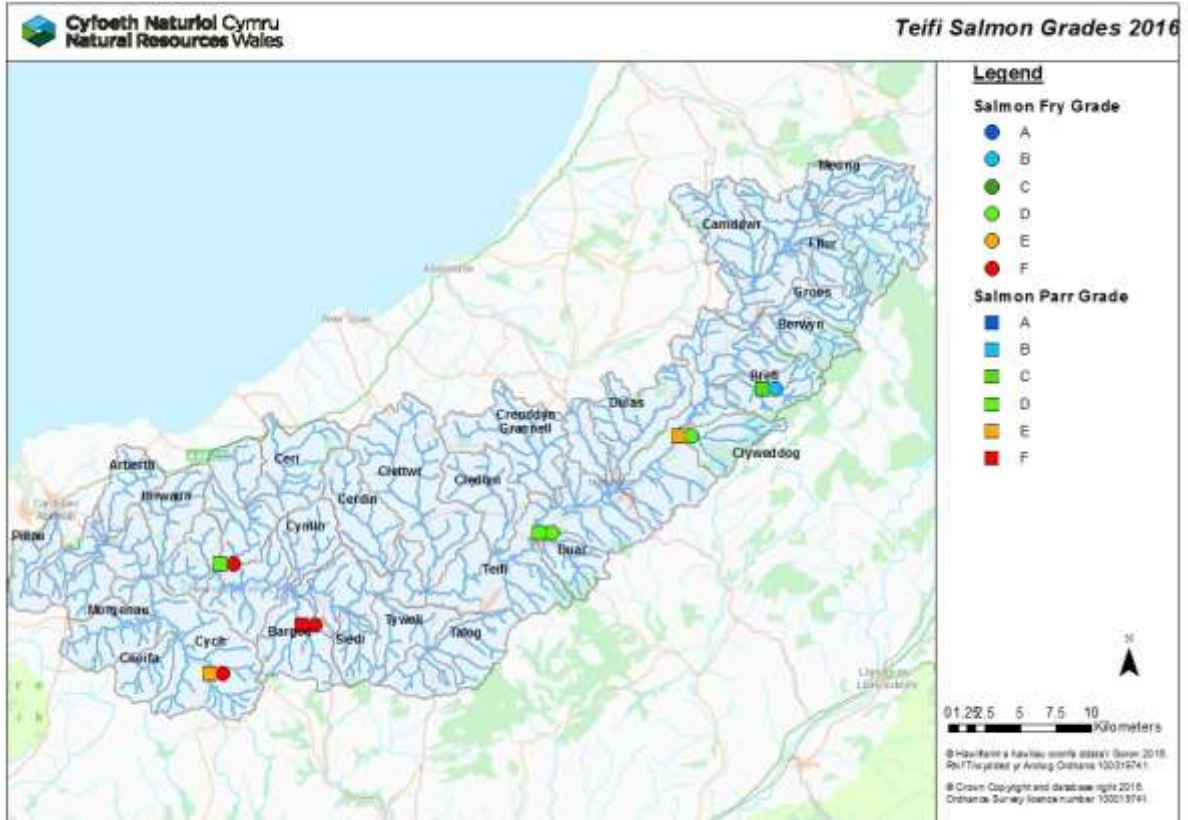
# River Teifi



# River Teifi



# River Teifi



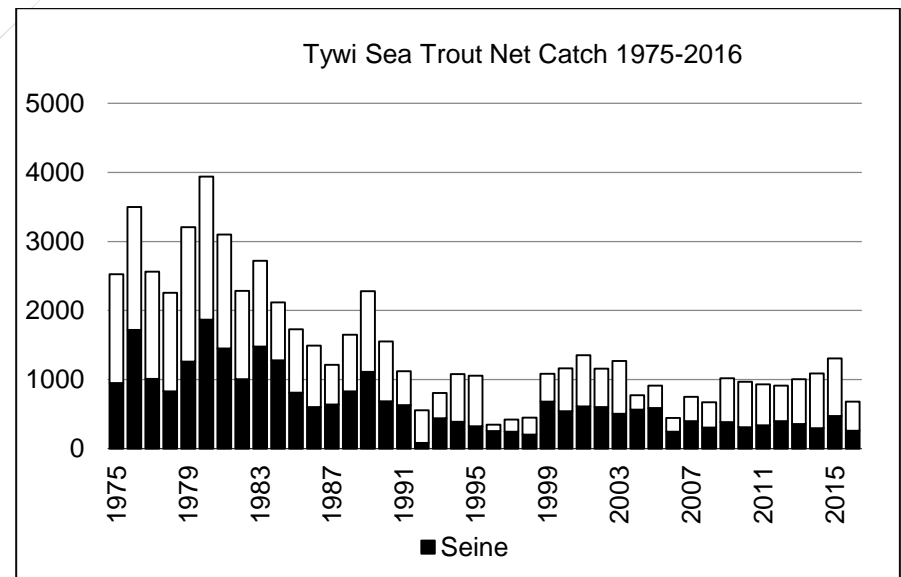
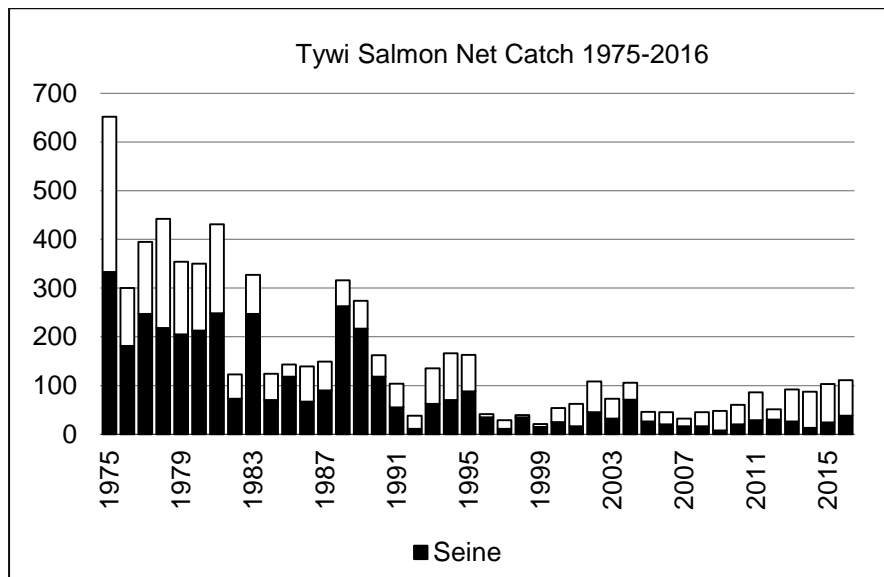
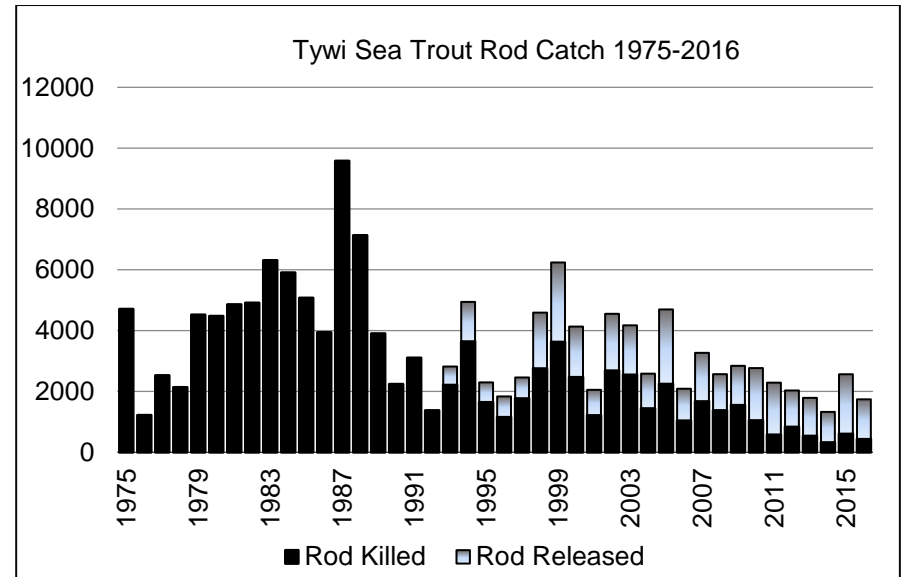
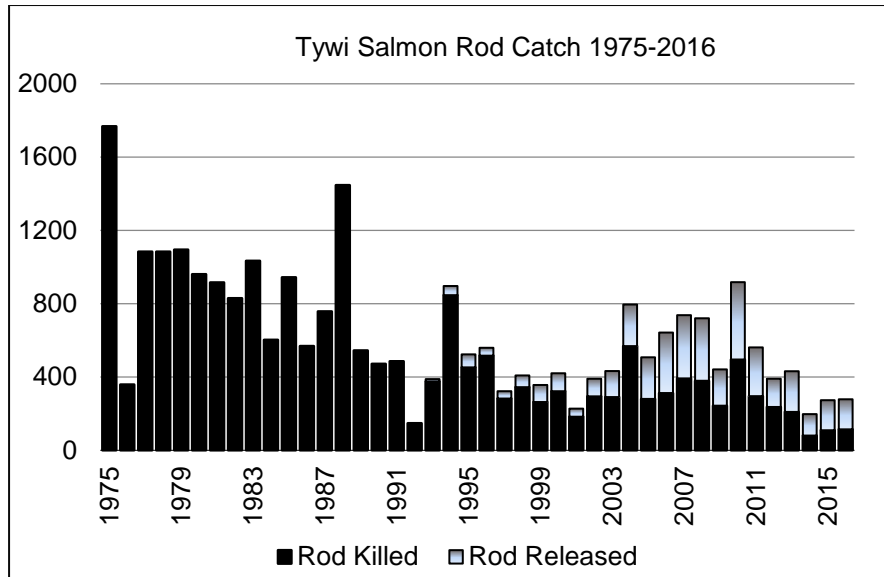
# River Teifi

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

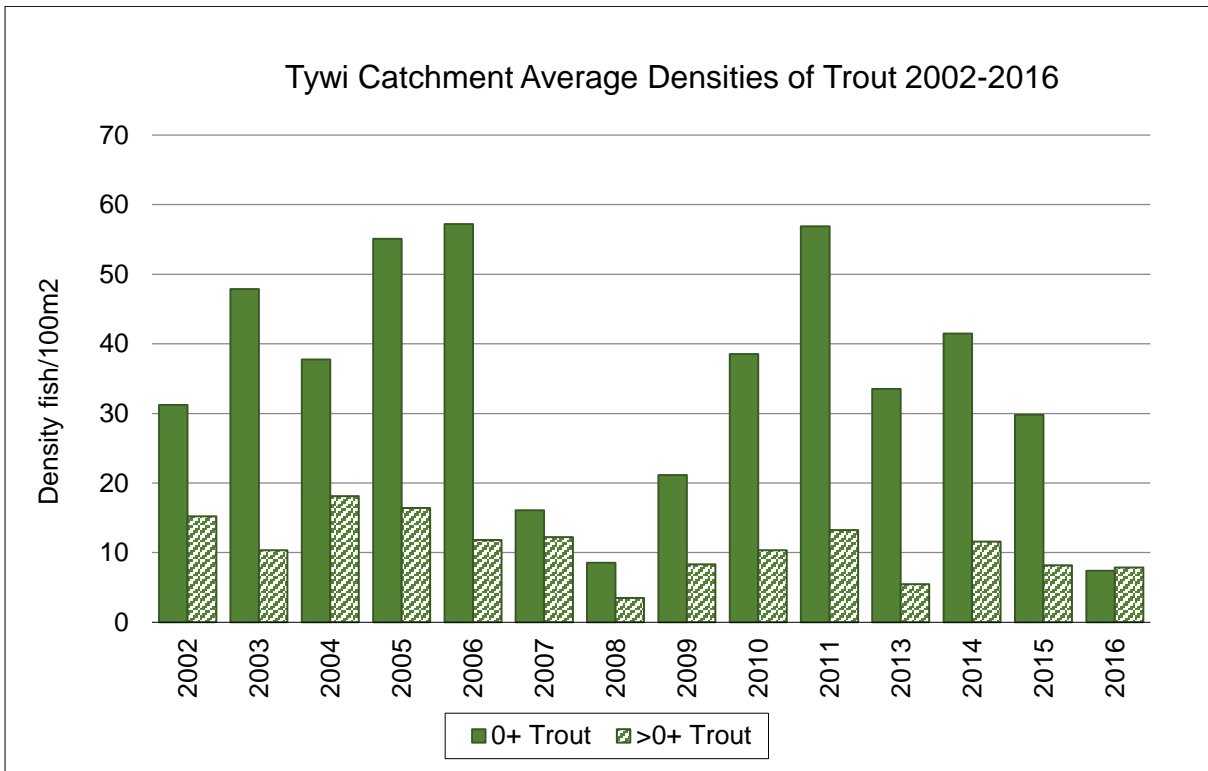
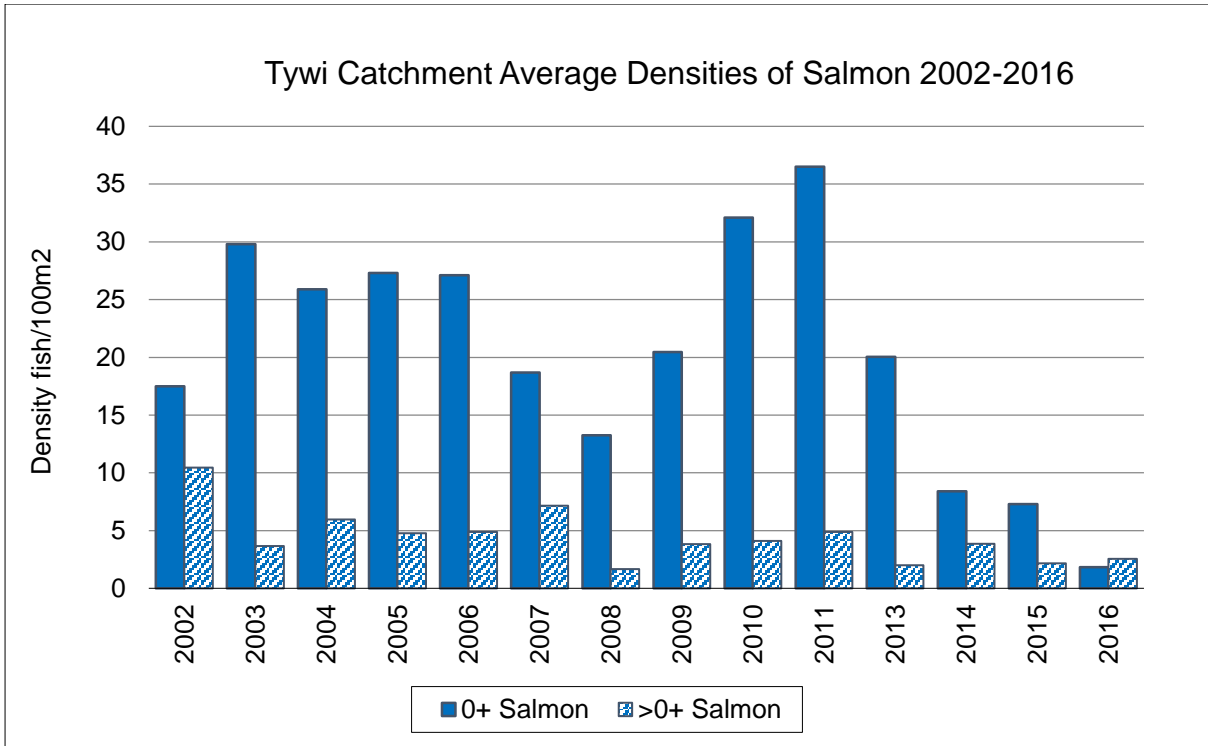
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Brefi - TE28	41.6	14.8					28.4	19.5	12.1	13.9	21.5	13.5	27.4	16.1	78%	-3%	-21%	-16%
Duar - TE19	66.8	8.0	68.9	2.1	78.5	8.6	43.0	19.6	7.0	14.1	4.5	5.3	52.8	10.5	-35%	-62%	-91%	-49%
Nant Bargoed - Te12	40.7	0.0			0.0	1.9	6.8	0.6	0.0	4.8	0.0	0.0	11.9	1.8	0%	-100%	-100%	-100%
Ceri - TE08	35.9	3.4			19.9	9.6	5.8	7.9	1.7	3.5	0.0	5.8	15.8	6.1	-100%	67%	-100%	-5%
Clywedog - TE25A	53.8	7.8			20.1	11.5	31.5	6.8	16.3	5.2	4.5	3.3	30.4	7.8	-72%	-38%	-85%	-58%
Cych - TE05	37.8	4.7			56.7	4.3	10.6	25.6	0.0	0.8	0.0	1.2	26.3	8.9	0%	51%	-100%	-86%
<b>Average</b>	<b>46.1</b>	<b>6.4</b>	<b>68.9</b>	<b>2.1</b>	<b>35.0</b>	<b>7.2</b>	<b>21.0</b>	<b>13.3</b>	<b>6.2</b>	<b>7.1</b>	<b>5.1</b>	<b>4.9</b>	<b>35.4</b>	<b>7.2</b>	<b>-18%</b>	<b>-31%</b>	<b>-86%</b>	<b>-33%</b>

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Brefi - TE28	24.0	6.0					20.0	9.5	26.7	10.3	17.8	7.4	23.6	8.6	-33%	-28%	-24%	-14%
Duar - TE19	32.6	21.3	19.8	3.3	23.0	13.4	10.6	22.1	56.7	14.4	8.0	23.1	28.5	14.9	-86%	60%	-72%	55%
Nant Bargoed - Te12	36.1	27.5			30.1	30.1	54.9	45.7	75.9	31.0	12.1	24.7	49.3	33.6	-84%	-21%	-75%	-27%
Ceri - TE08	5.2	4.9			4.8	5.5	4.3	5.5	22.6	8.7	2.7	20.5	9.2	6.1	-88%	136%	-71%	234%
Clywedog - TE25A	15.7	7.8			6.8	6.2	5.1	4.7	5.5	4.9	2.9	5.3	8.3	5.9	-48%	8%	-65%	-10%
Cych - TE05	58.5	11.6			66.8	21.6	45.6	36.7	102.1	6.1	74.6	16.9	68.3	19.0	-27%	176%	9%	-11%
<b>Average</b>	<b>28.7</b>	<b>13.2</b>	<b>19.8</b>	<b>3.3</b>	<b>26.3</b>	<b>15.4</b>	<b>23.4</b>	<b>20.7</b>	<b>48.2</b>	<b>12.6</b>	<b>19.7</b>	<b>16.3</b>	<b>29.3</b>	<b>13.0</b>	<b>-59%</b>	<b>30%</b>	<b>-33%</b>	<b>25%</b>

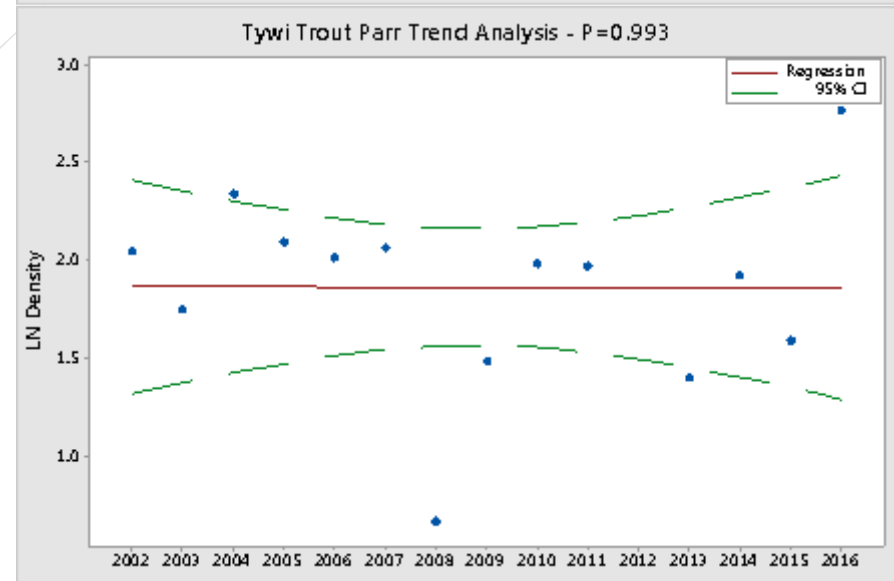
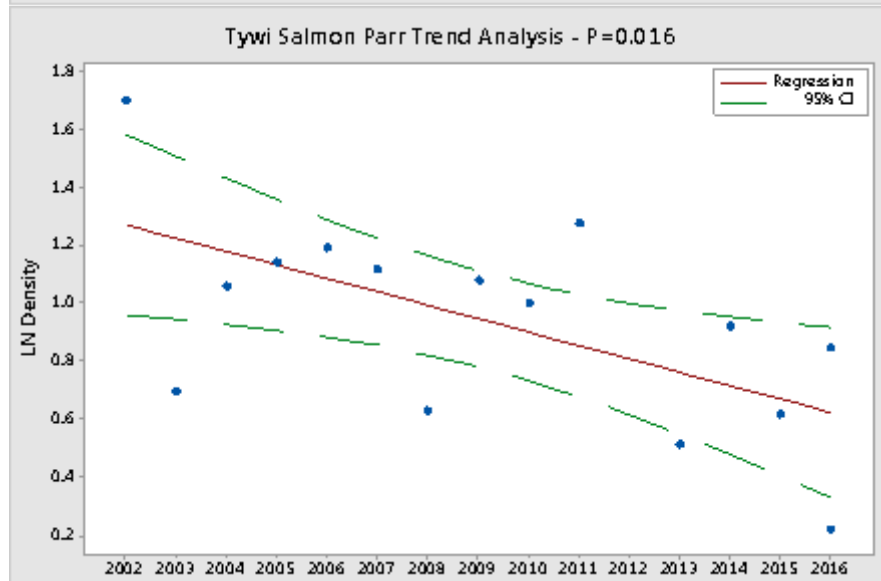
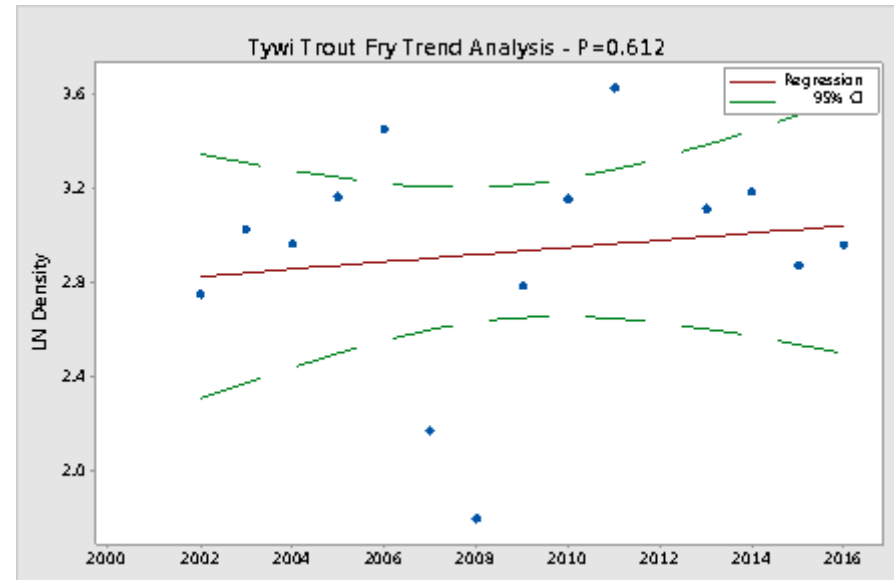
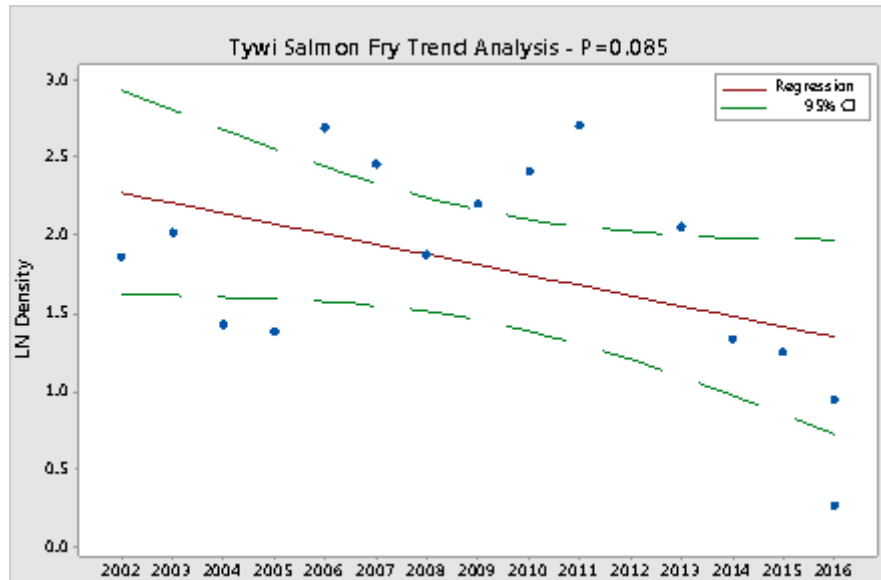
# River Twyi



# River Twyi

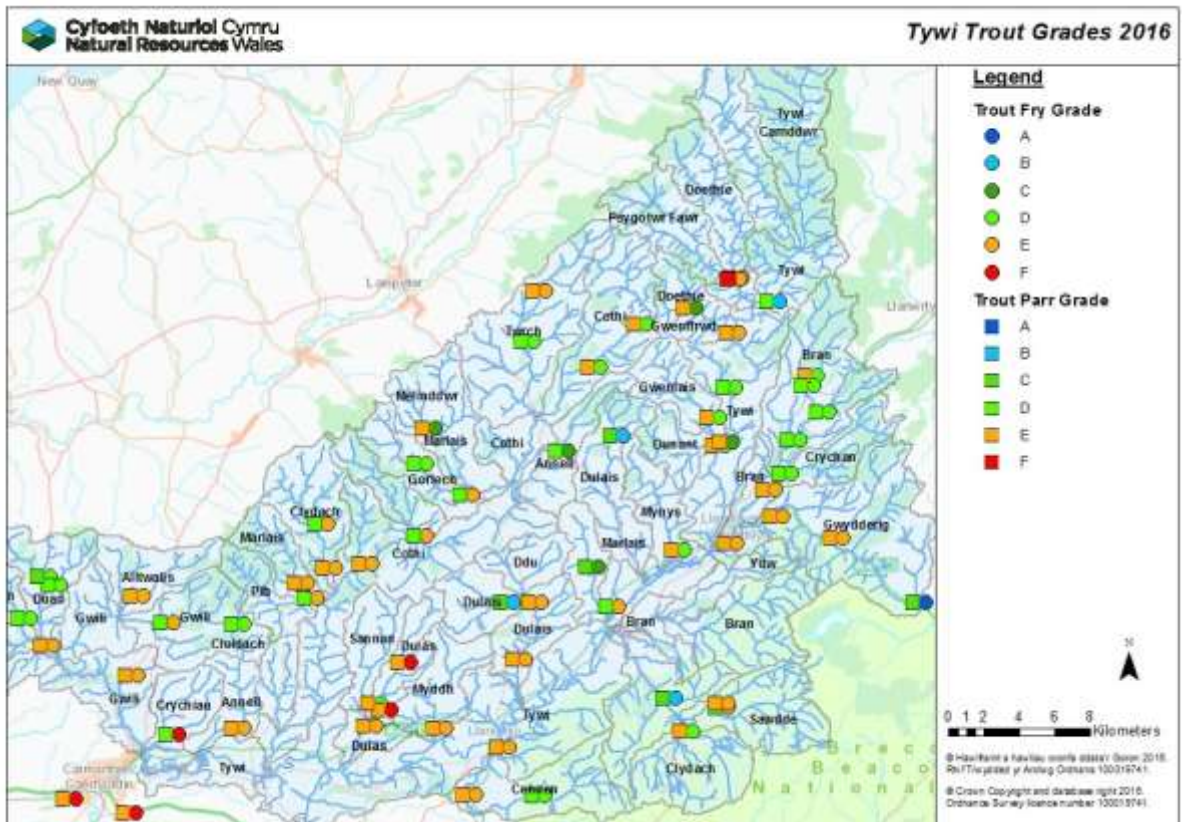
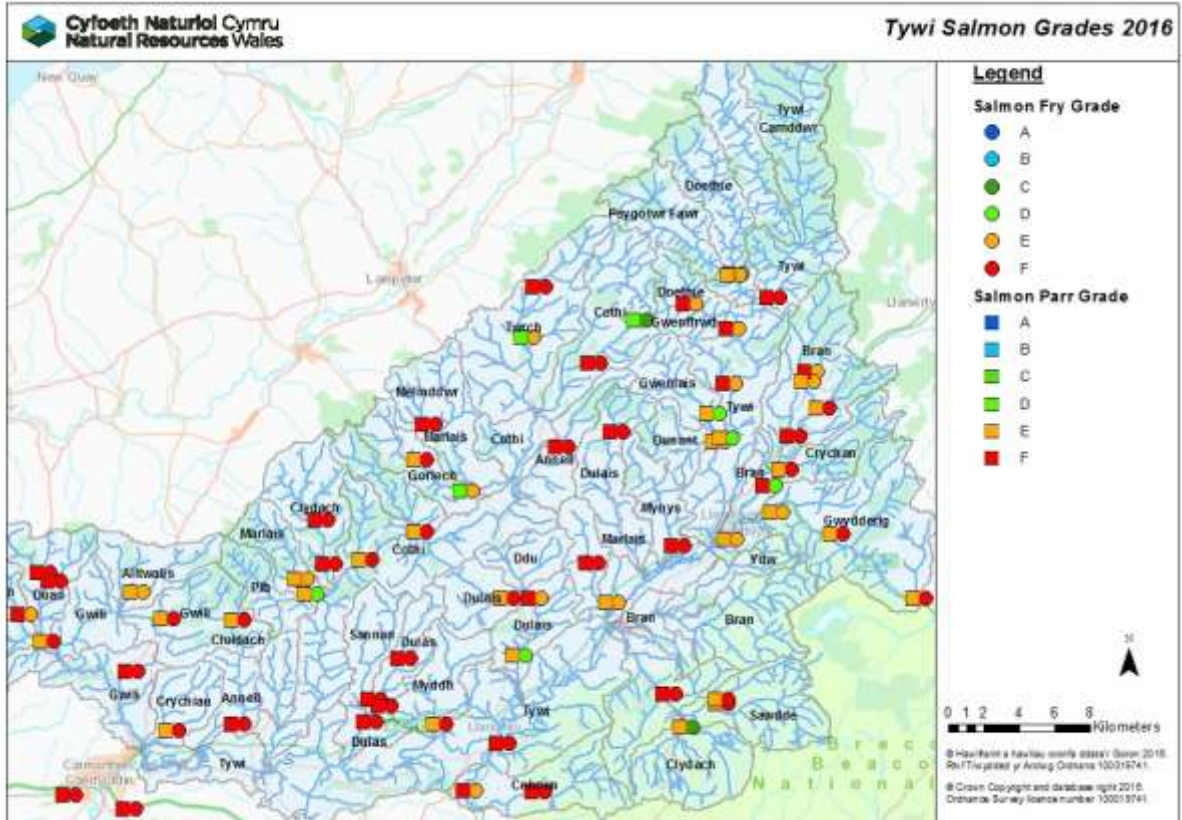


# River Twyi





# River Twyri



# River Twyi

Juvenile salmon densities 2011 to 2016 (fish per 100m<sup>2</sup>)

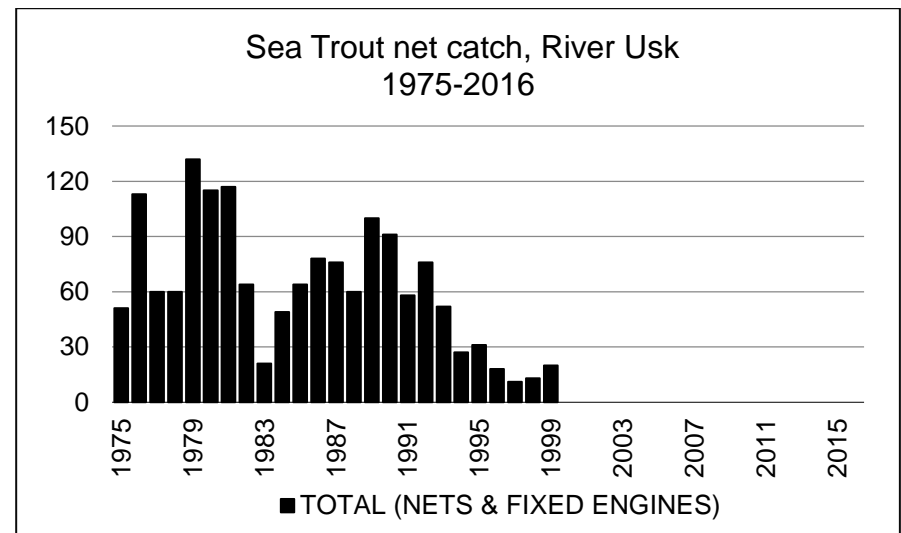
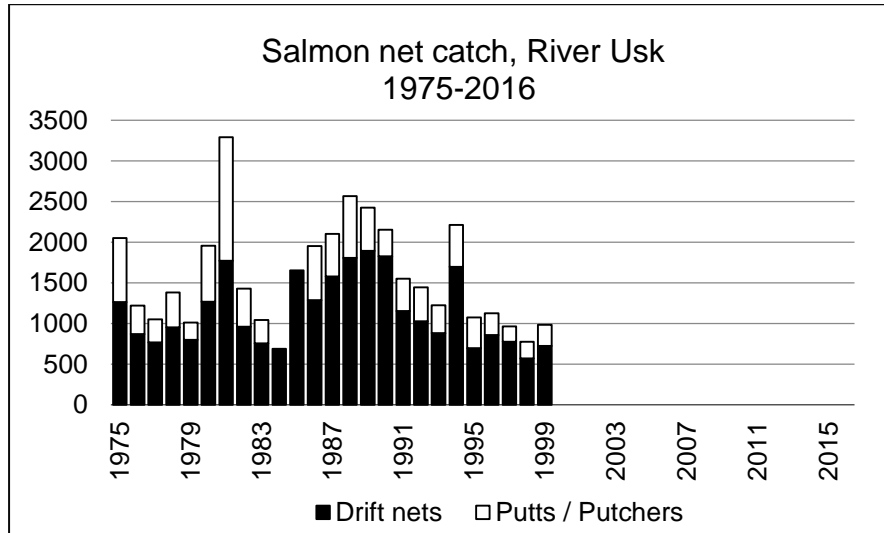
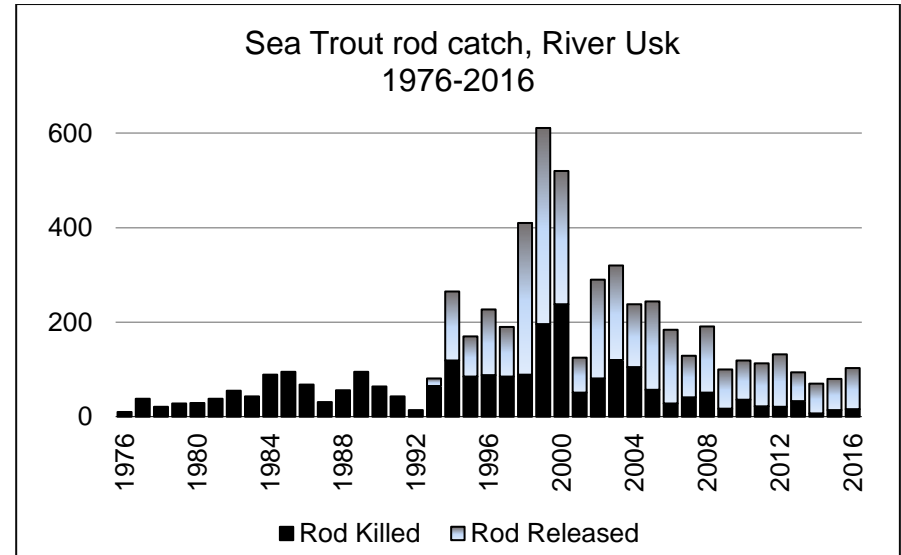
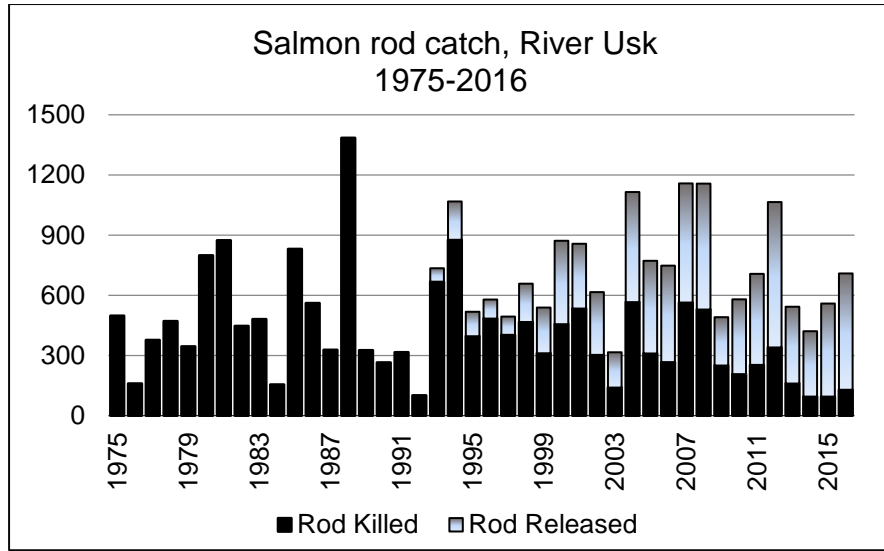
River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Alltwalis - TY03	0.5	2.9			0.0	0.0	3.3	0.5	0.7	0.7	0.4	0.4	1.1	1.0	-48%	-48%	-65%	-62%
Gwili - TY05A	5.4	1.8			4.4	0.0	1.1	3.4	2.6	0.4	0.0	2.4	3.4	1.4	-100%	459%	-100%	69%
Gorlech - TY14	76.4	2.7			30.2	3.6	18.6	6.4	14.9	2.5	0.0	1.7	35.0	3.8	-100%	-32%	-100%	-54%
Melindwr - TY17	23.3	2.9			2.8	1.2	1.0	1.5	5.8	0.0	1.4	5.9	8.2	1.4	-77%	+	-84%	320%
Dulas - TY22	4.7	0.0			0.0	0.0	0.0	2.4	4.7	0.6	0.0	0.0	2.3	0.7	-100%	-100%	-100%	-100%
Cennen - TY25	38.7	1.7			0.9	0.9	1.0	1.0	0.0	1.3	0.0	0.0	10.2	1.2	0%	-100%	-100%	-100%
Gwydderig - TY35B	21.4	5.9			2.8	1.0	7.0	1.9	1.7	1.7	0.0	4.1	8.2	2.6	-100%	141%	-100%	57%
Gwenlais - TY37	13.6	8.9			15.5	1.3	10.5	7.7	7.1	3.8	5.3	3.0	11.7	5.4	-26%	-21%	-55%	-45%
Gwenffrwd - TY38	12.6	1.7			46.5	2.6	9.3	1.9	0.7	0.7	0.9	0.0	17.3	1.7	26%	-100%	-95%	-100%
Nant Pibwr - TYM33i	0.0	0.0			0.0	0.4	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.3	0%	-100%	0%	-100%
Doethie - TYM53	8.3	6.8	10.4	7.4	8.7	4.9	9.2	7.4	10.0	3.3	9.8	0.0	9.3	6.0	-3%	-99%	5%	-99%
Pysgotwr Fawr - TYWFD3	1.3	2.1	3.8	2.3	1.7	0.3	18.6	4.6	2.1	3.8	1.4	0.0	5.5	2.6	-32%	-100%	-74%	-100%
<b>Average</b>	<b>17.2</b>	<b>3.1</b>	<b>7.1</b>	<b>4.8</b>	<b>9.5</b>	<b>1.4</b>	<b>6.6</b>	<b>3.2</b>	<b>4.2</b>	<b>1.6</b>	<b>1.6</b>	<b>1.5</b>	<b>8.9</b>	<b>2.8</b>	<b>-62%</b>	<b>-11%</b>	<b>-82%</b>	<b>-49%</b>

# River Twyi

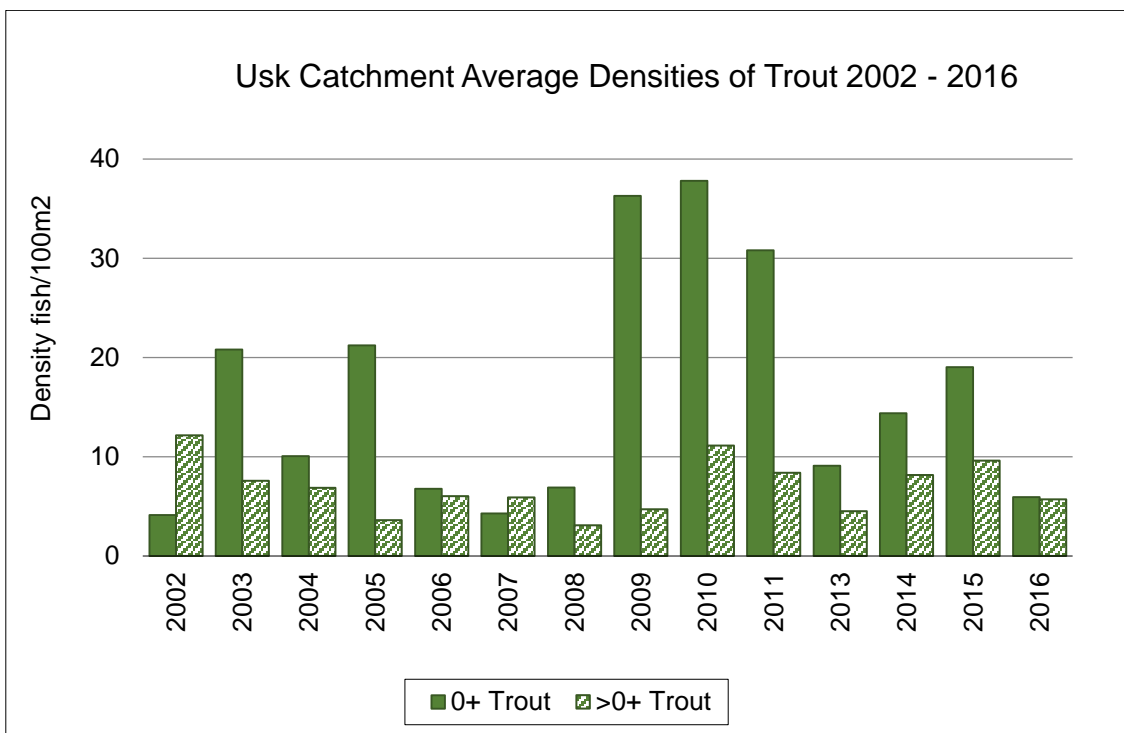
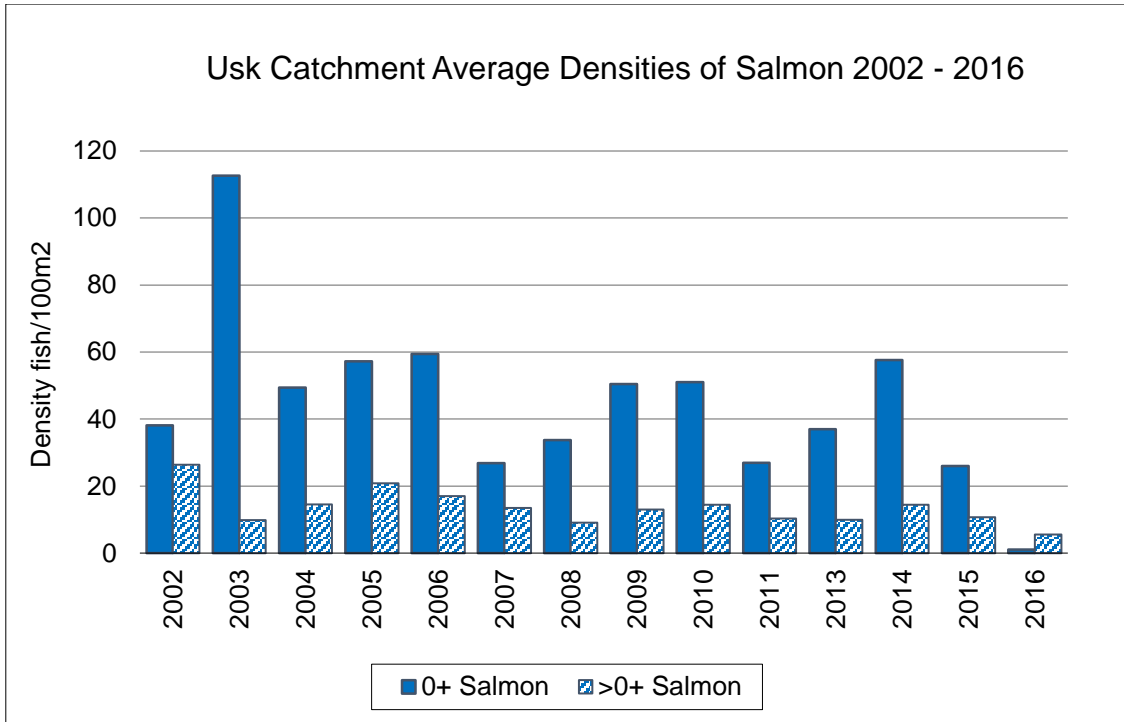
Juvenile trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River - Site	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Alltwalis - TY03	27.2	13.8			18.4	2.0	31.2	9.8	14.1	14.1	2.3	2.3	22.7	9.9	-83%	-83%	-90%	-77%
Gwili - TY05A	33.3	24.8			11.4	10.4	17.5	16.3	19.1	11.5	0.5	15.2	20.3	15.7	-98%	32%	-98%	-4%
Gorlech - TY14	34.0	11.1			27.7	5.8	10.9	17.3	14.2	6.5	1.7	9.5	21.7	10.2	-88%	46%	-92%	-6%
Melindwr - TY17	22.5	6.5			11.8	4.9	38.5	16.5	5.0	5.8	4.5	6.3	19.4	8.4	-10%	8%	-77%	-25%
Dulas - TY22	34.9	9.8			22.8	2.6	30.0	11.2	40.6	3.5	0.0	0.5	32.1	6.8	-100%	-85%	-100%	-92%
Cennen - TY25	119.9	15.5			64.4	6.5	76.5	10.0	51.9	7.3	7.3	7.3	78.2	9.8	-86%	0%	-91%	-26%
Gwydderig - TY35B	30.0	7.9			7.1	0.0	12.6	3.0	11.5	0.9	2.7	1.0	15.3	2.9	-76%	20%	-82%	-65%
Gwenlais - TY37	43.6	3.9			29.7	1.3	17.5	1.4	13.8	3.3	14.9	4.0	26.2	2.5	8%	20%	-43%	59%
Gwenffrwd - TY38	12.3	0.7			14.3	1.5	1.4	0.9	1.7	0.7	2.9	1.1	7.4	0.9	68%	68%	-61%	21%
Nant Pibwr - TYM33i	0.0	0.4			0.0	1.8	0.0	0.0	3.7	1.2	0.0	2.6	0.9	0.9	-100%	111%	-100%	202%
Doethie - TYM53	16.9	0.8	2.7	1.2	3.8	0.0	7.4	2.1	3.3	0.5	2.5	0.0	6.8	0.9	-25%	-100%	-63%	-100%
Pysgotwr Fawr - TYWFD3	16.1	0.0	3.8	1.5	4.3	0.6	11.0	3.3	2.6	0.2	0.7	0.0	7.6	1.1	-72%	-100%	-91%	-100%
<b>Average</b>	<b>32.5</b>	<b>7.9</b>	<b>3.3</b>	<b>1.4</b>	<b>18.0</b>	<b>3.1</b>	<b>21.2</b>	<b>7.7</b>	<b>15.1</b>	<b>4.6</b>	<b>3.3</b>	<b>4.2</b>	<b>18.0</b>	<b>4.9</b>	<b>-78%</b>	<b>-10%</b>	<b>-81%</b>	<b>-16%</b>

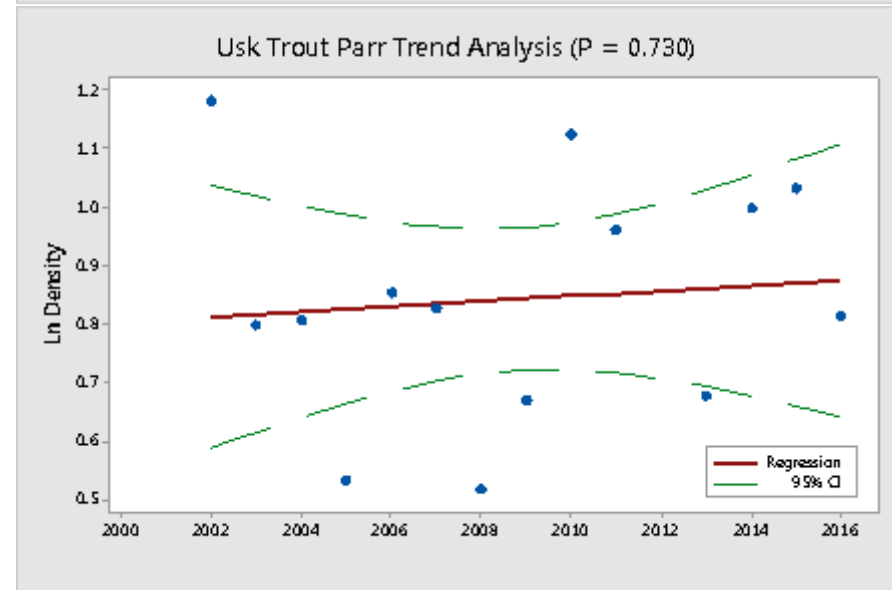
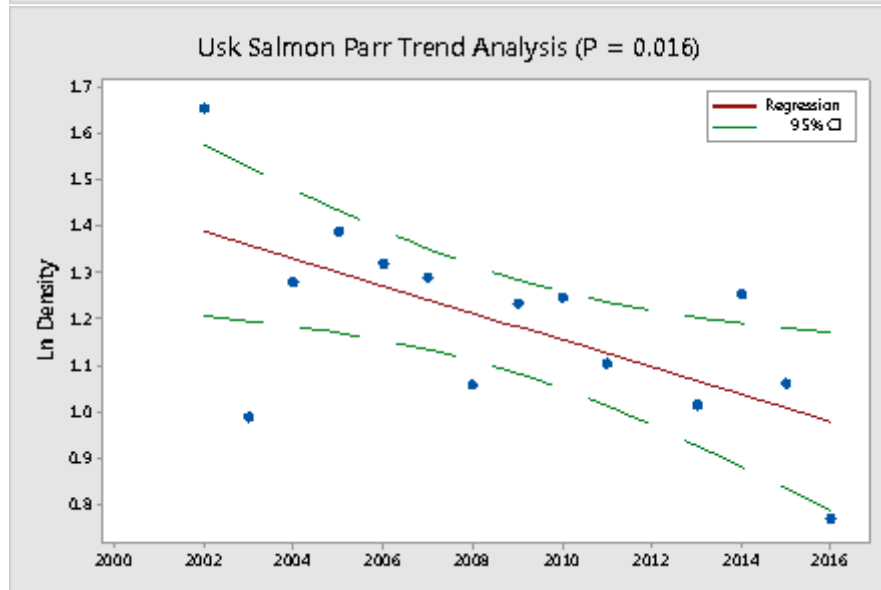
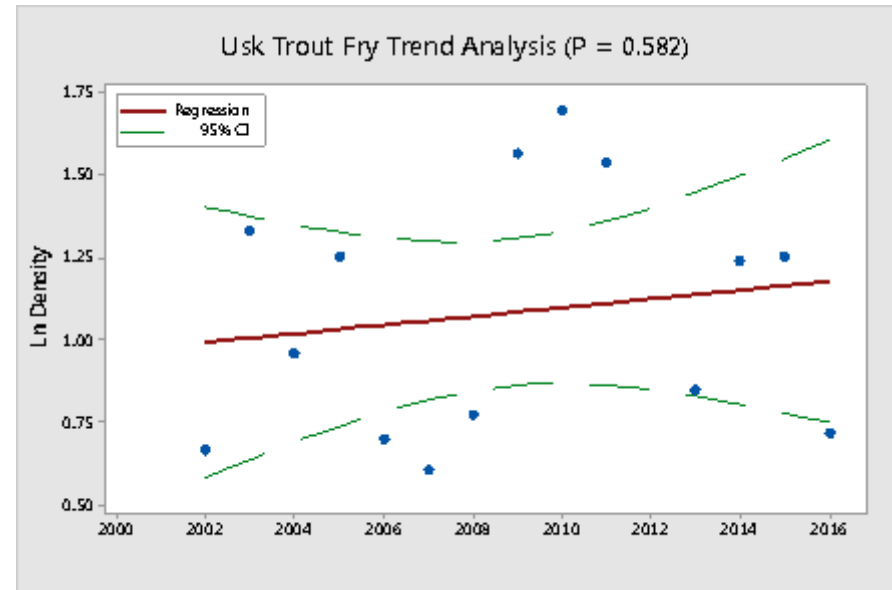
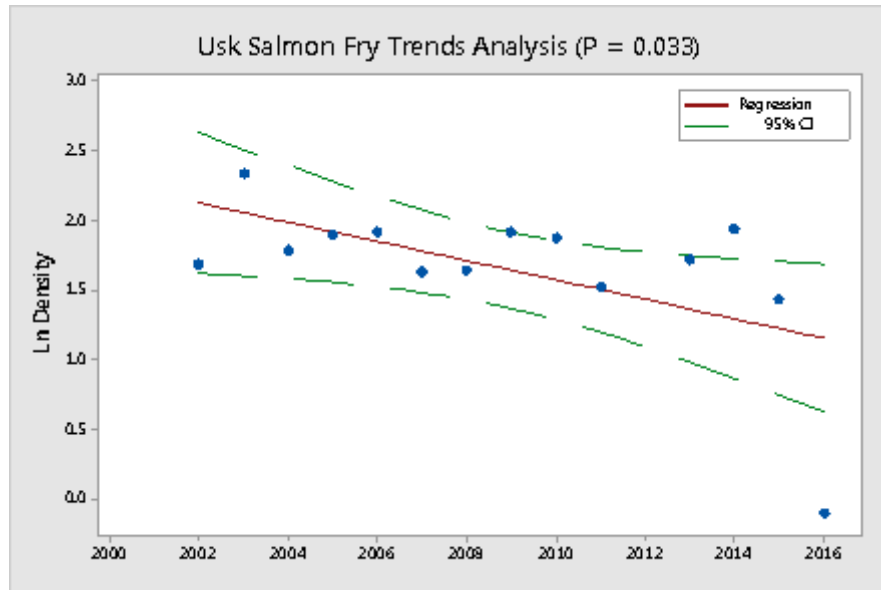
# River Usk



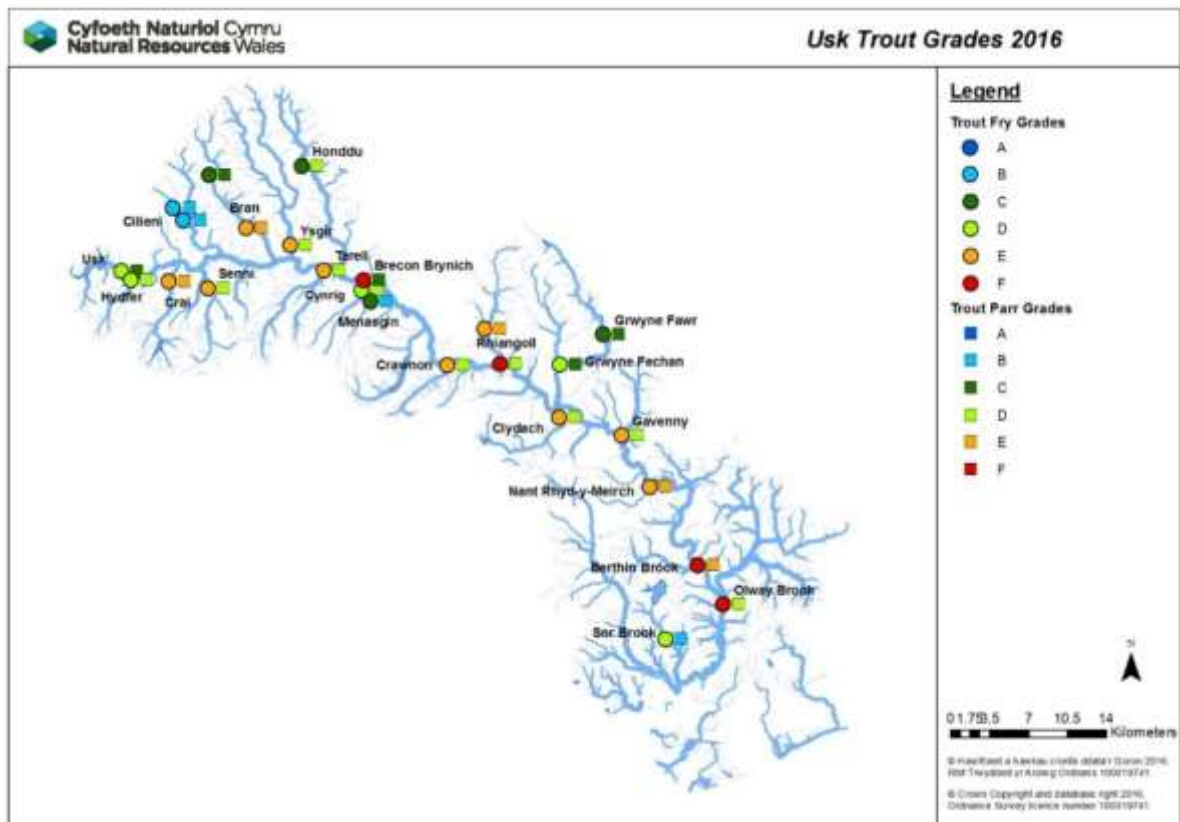
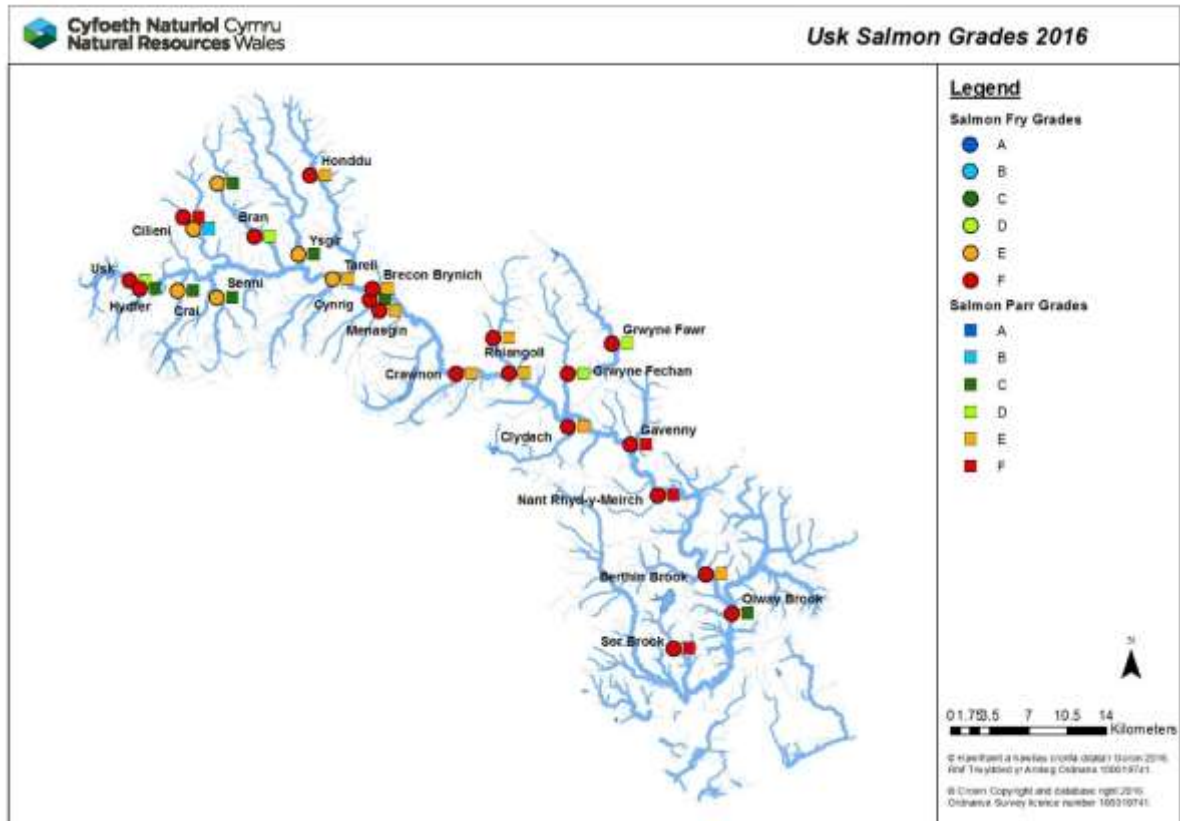
# River Usk



# River Usk



# River Usk



NB – data shown here are from both the 2016 salmonid temporal and eel index programmes

# River Usk

Juvenile salmon densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Usk - U001	6.8	4.3			38.0	3.5	0.8	11.7	9.6	5.3	0.0	4.5	13.8	6.2	-100%	-16%	-100%	-28%
Hydfer - U002	0.3	7.5			10.5	5.6	21.3	10.2	42.8	7.5	0.0	6.5	18.7	7.7	-100%	-13%	-100%	-15%
Crai - U003					90.6	11.3	162.0	13.4	41.8	11.0	3.3	8.8	98.1	11.9	-92%	-20%	-97%	-26%
Senni - U004	76.7	4.4			27.3	30.1	30.4	22.1	27.5	10.1	0.3	9.2	40.5	16.7	-99%	-9%	-99%	-45%
Cilieni - U005	39.9	16.1			49.4	15.5	162.0	24.0	74.7	25.8	0.9	16.2	81.5	20.4	-99%	-37%	-99%	-20%
Bran - U006	69.6	1.1			43.2	6.9	157.1	6.6	82.3	3.1	0.0	4.5	88.1	4.4	-100%	45%	-100%	2%
Ysgir - U007	36.3	12.2			61.8	24.7	63.3	48.4	3.5	35.5	0.4	9.9	41.2	30.2	-89%	-72%	-99%	-67%
Honddu - U009	10.3	6.3			28.7	0.5	12.7	0.3	14.4	1.4	0.0	0.6	16.5	2.1	-100%	-54%	-100%	-70%
Menasgin - U010	0.0	5.0			2.1	0.0	0.0	8.8	0.0	1.6	0.0	0.8	0.5	3.9	0%	-53%	-100%	-81%
Rhiangoll - U011	3.9	5.0			53.3	0.0			2.3	0.0	0.0	0.4	19.8	1.7	-100%	+	-100%	-77%
Grwyne Fawr - U012	23.6	25.3			6.5	10.7	9.9	6.0	0.6	9.4	0.0	3.6	10.2	12.9	-100%	-61%	-100%	-72%
Grwyne Fechan - U013	18.3	25.0			11.9	15.7	27.2	10.3	1.1	22.9	0.0	3.9	14.6	18.5	-100%	-83%	-100%	-79%
Tarell - U022	38.0	12.1			57.9	4.5	44.7	11.3	37.1	6.0	7.9	2.1	44.4	8.5	-79%	-65%	-82%	-75%
<b>Average</b>	<b>27.0</b>	<b>10.4</b>			<b>37.0</b>	<b>9.9</b>	<b>57.6</b>	<b>14.4</b>	<b>26.0</b>	<b>10.7</b>	<b>1.0</b>	<b>5.5</b>	<b>36.9</b>	<b>11.4</b>	<b>-96%</b>	<b>-49%</b>	<b>-97%</b>	<b>-52%</b>

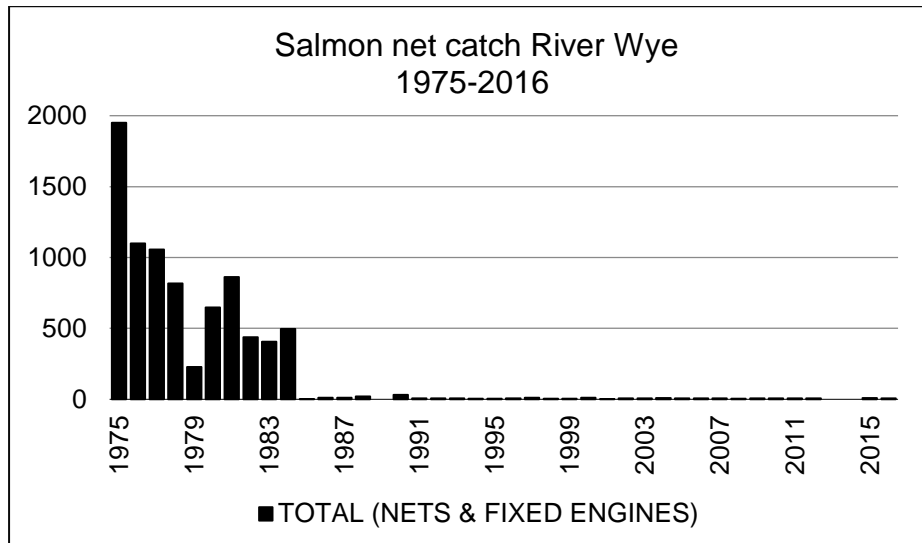
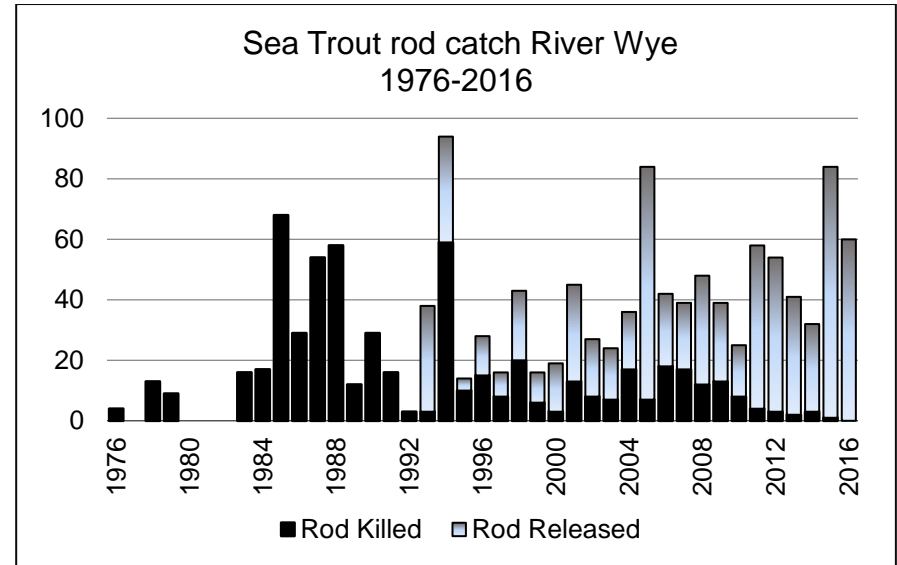
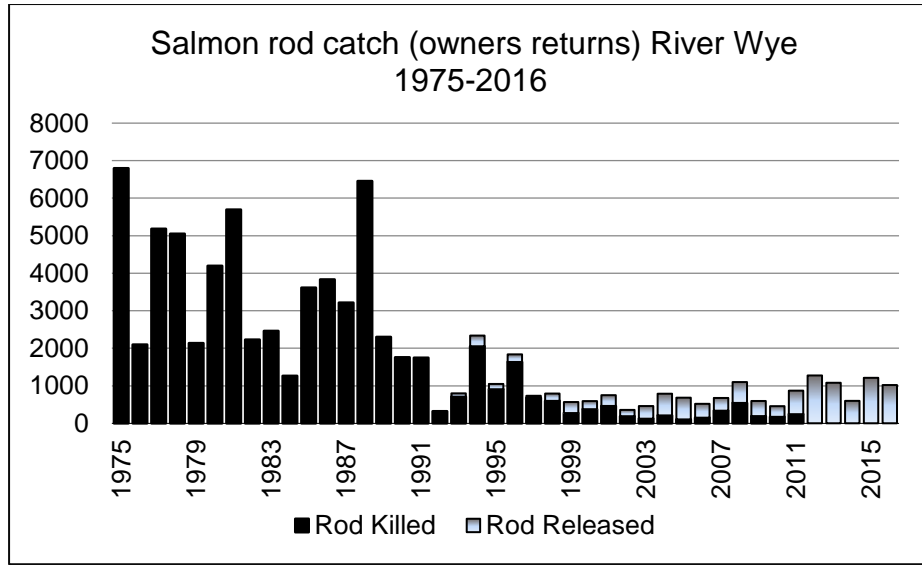


# River Usk

Juvenile trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

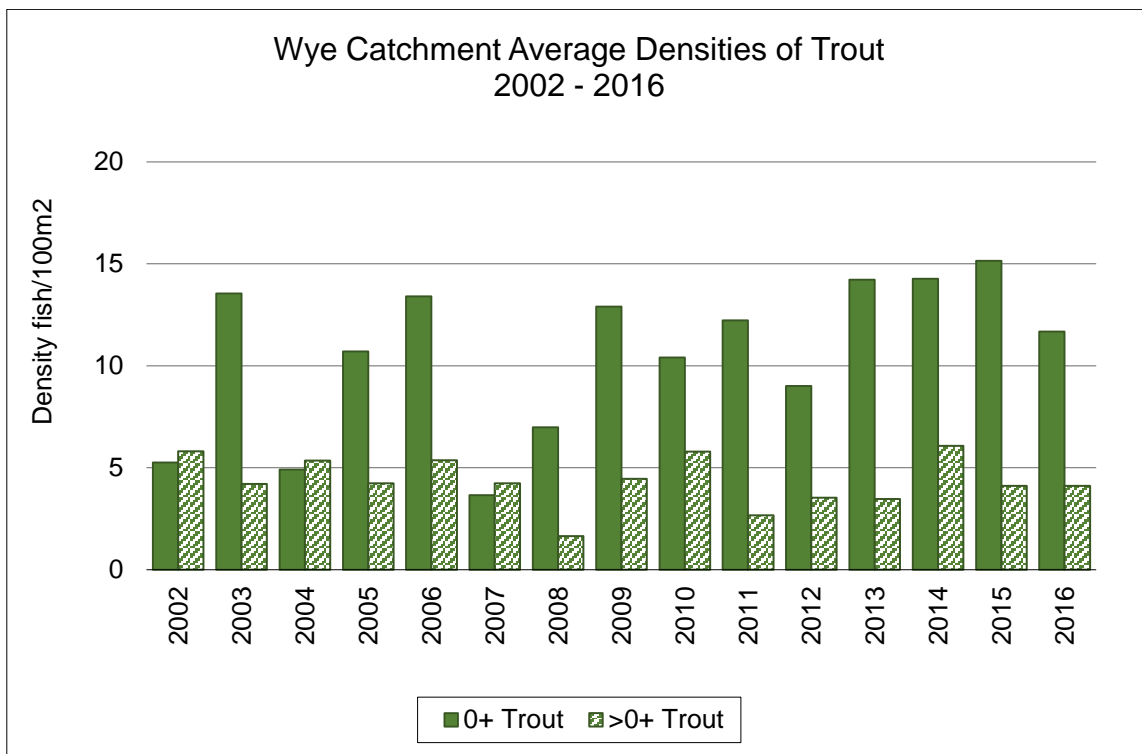
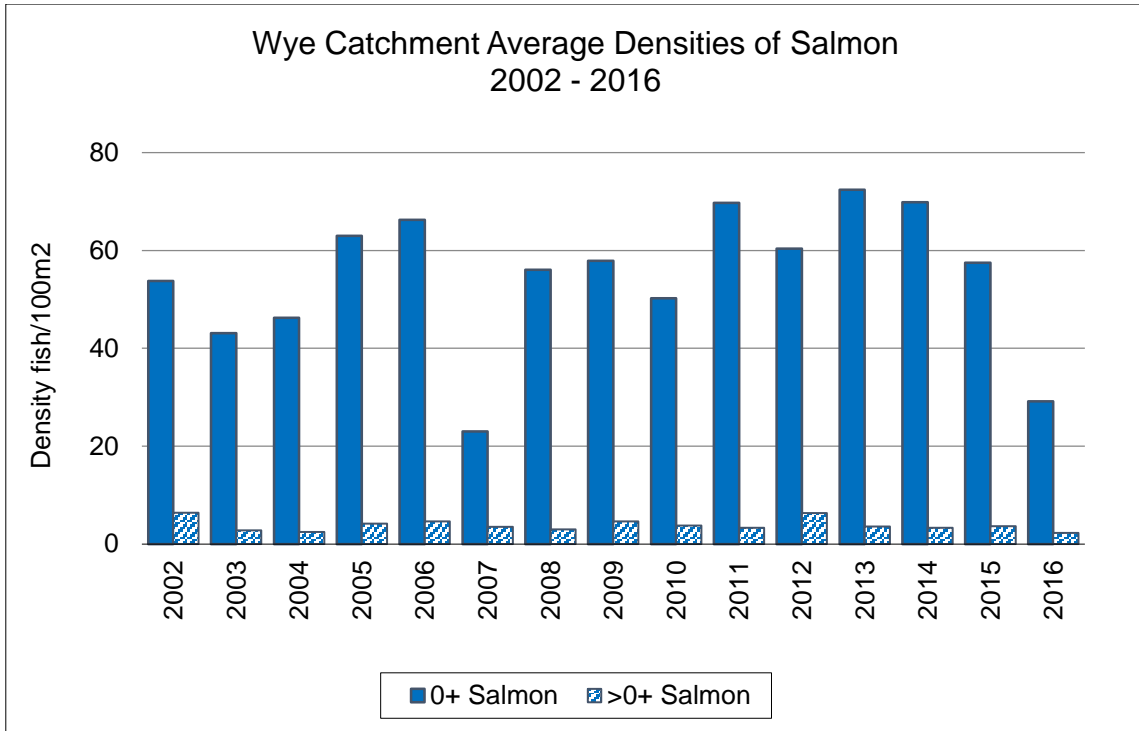
River - Site	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Usk - U001	9.3	6.1			4.5	8.0	32.9	13.3	38.7	13.5	5.8	9.6	21.4	10.2	-85%	-29%	-73%	-6%
Hydfer - U002	5.0	8.8			10.5	8.8	20.5	7.8	16.4	5.8	6.5	3.0	13.1	7.8	-60%	-48%	-50%	-61%
Crai - U003					0.0	0.9	0.0	0.5	0.0	0.5	0.3	1.0	0.0	0.6	+	100%	+	58%
Senni - U004	9.4	4.4			0.0	2.8	0.8	4.3	2.9	7.2	2.7	4.1	3.3	4.7	-6%	-43%	-17%	-13%
Cilieni - U005	50.0	31.5			32.7	11.9	32.0	17.5	45.3	20.5	19.7	15.8	40.0	20.4	-56%	-23%	-51%	-22%
Bran - U006	33.0	4.8			1.9	0.3	6.6	2.9	9.4	7.3	2.8	0.3	12.7	3.8	-70%	-95%	-78%	-91%
Ysgir - U007	36.3	6.7			1.1	3.3	3.9	5.1	12.1	4.3	0.4	4.4	13.4	4.9	-97%	3%	-97%	-9%
Honddu - U009	22.9	4.0			32.5	0.0	37.4	5.5	75.8	11.3	14.1	2.6	42.2	5.2	-81%	-77%	-67%	-51%
Menasgin - U010	117.5	10.0			14.4	9.3	2.0	26.5	17.3	30.6	9.4	13.2	37.8	19.1	-45%	-57%	-75%	-31%
Rhiangoll - U011	27.8	3.3			3.1	1.8			0.6	0.0	1.5	0.8	10.5	1.7	157%	+	-85%	-55%
Grwyne Fawr - U012	8.4	5.7			6.5	3.9	12.5	7.5	15.4	12.8	9.5	10.9	10.7	7.5	-38%	-15%	-11%	46%
Grwyne Fechan - U013	36.7	13.3			10.3	6.9	24.1	3.4	13.4	8.6	6.3	10.6	21.1	8.1	-53%	23%	-70%	32%
Tarell - U022	13.3	2.0			0.2	1.5	0.0	3.6	0.2	2.4	0.4	2.1	3.4	2.4	110%	-13%	-88%	-12%
<b>Average</b>	<b>30.8</b>	<b>8.4</b>			<b>9.1</b>	<b>4.6</b>	<b>14.4</b>	<b>8.2</b>	<b>19.0</b>	<b>9.6</b>	<b>6.1</b>	<b>6.0</b>	<b>18.3</b>	<b>7.7</b>	<b>-68%</b>	<b>-37%</b>	<b>-67%</b>	<b>-22%</b>

# River Wye

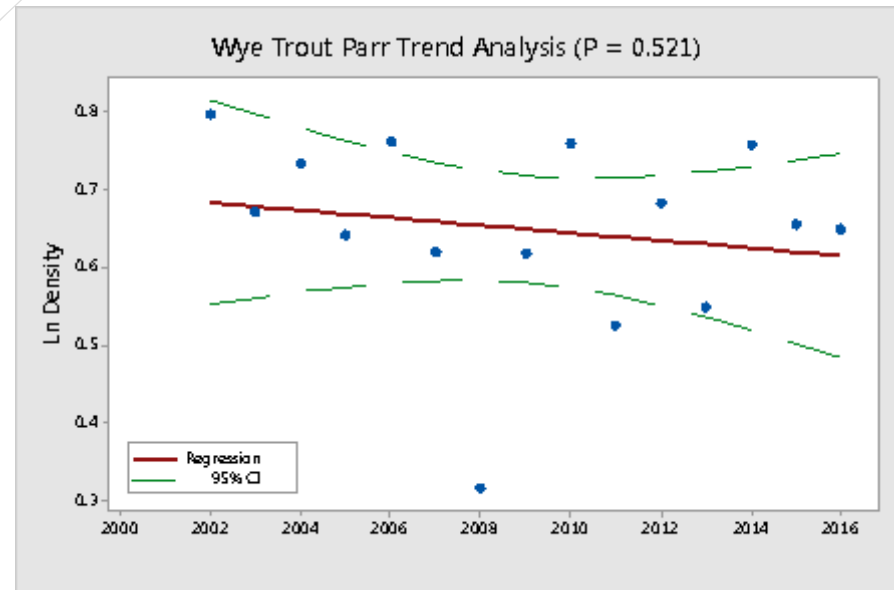
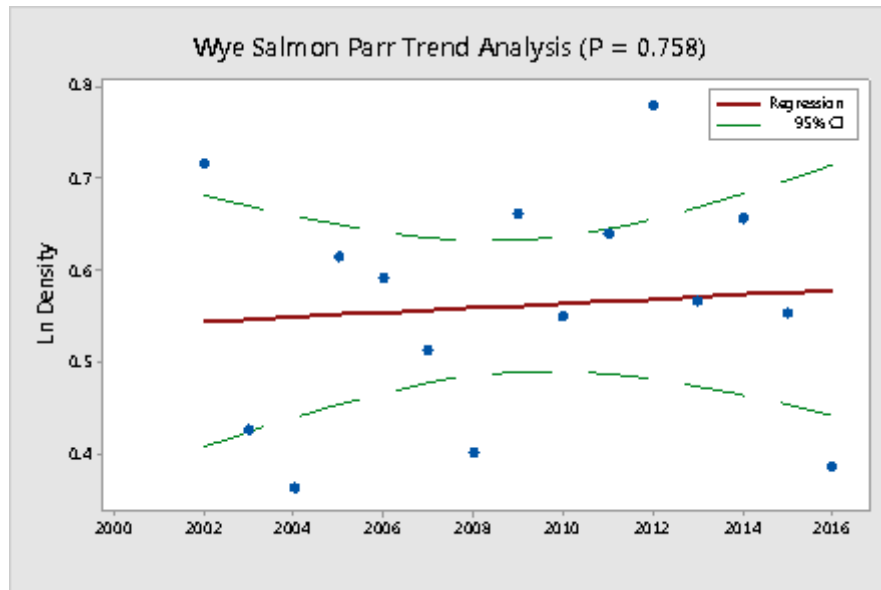
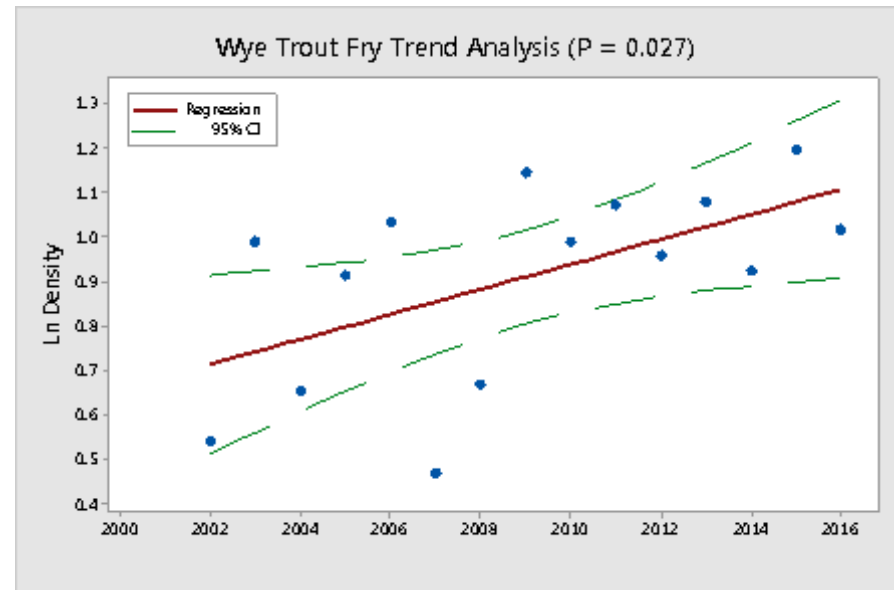
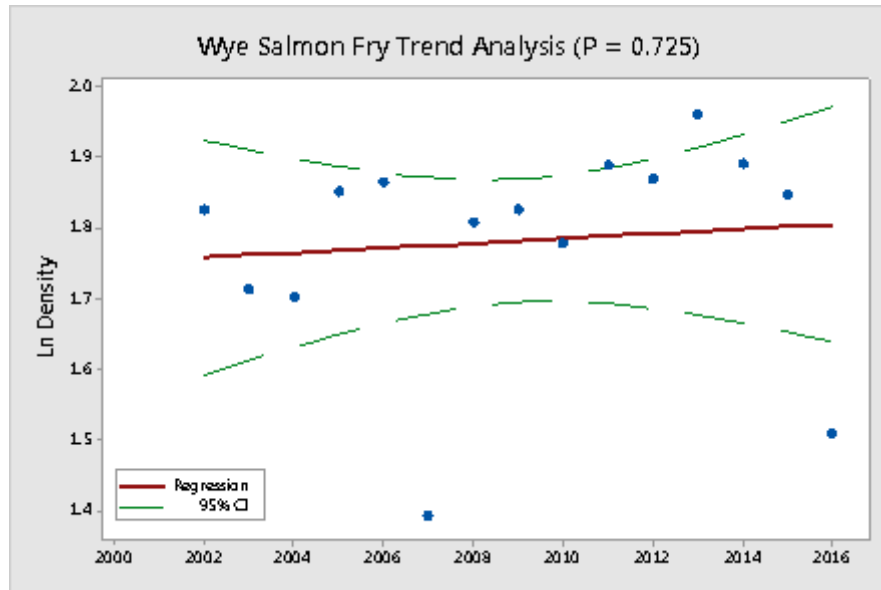


There is no sea trout net fishery on the Wye

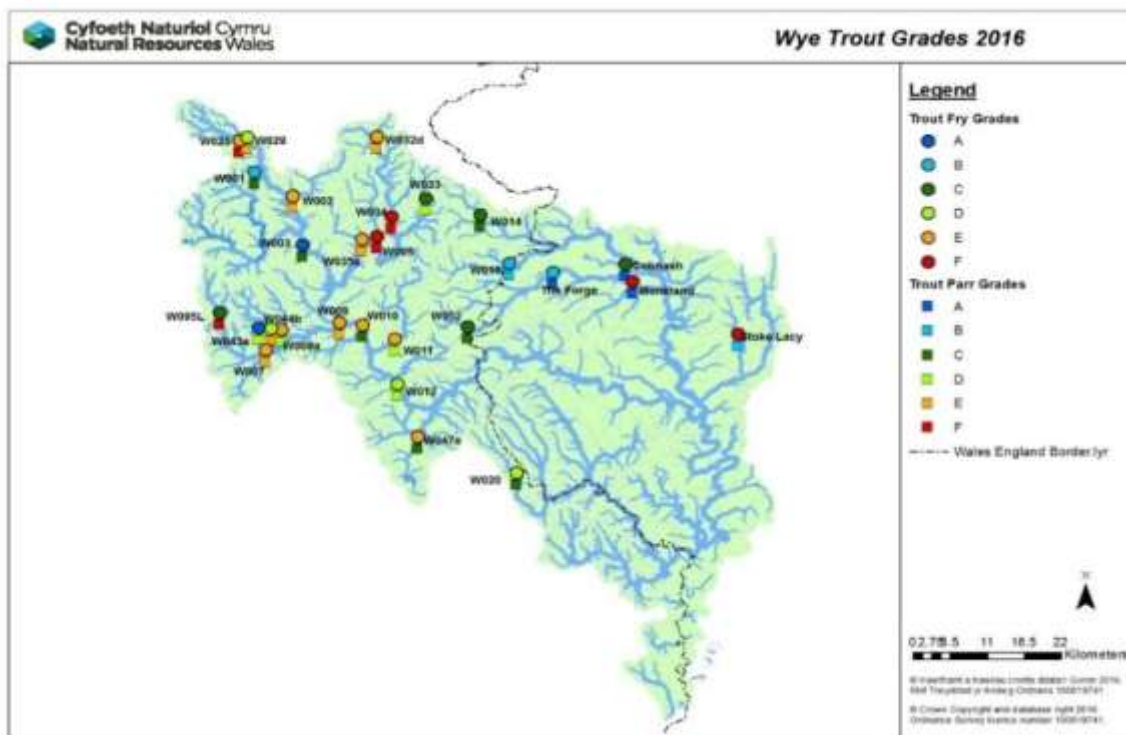
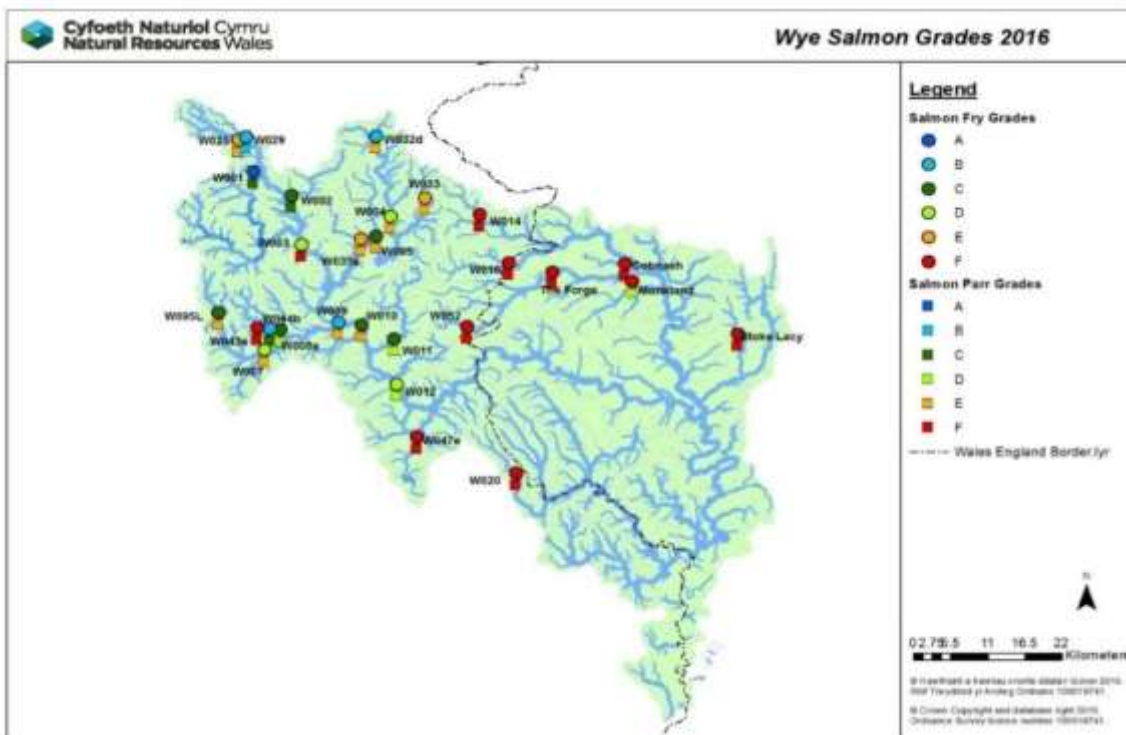
# River Wye



# River Wye



# River Wye



## River Wye

Juvenile salmon densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Yr Average (2011-2015)		% Change from 2015		% Change from 5 yr Av.	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Dernol - W001			43.8	29.9	102.2	14.2	34.7	16.0	53.8	13.1	70.0	3.8	58.6	18.3	30%	-71%	19%	-79%
Marteg - W002			21.4	3.6	50.1	4.0	80.3	6.0	45.0	3.8	20.9	3.8	49.2	4.3	-54%	0%	-58%	-13%
Llanwrthyl Dulas - W003			27.7	2.5	27.7	1.9	16.3	5.2	25.4	1.5	10.8	0.0	24.3	2.8	-58%	-100%	-56%	-100%
Ithon - W004			12.4	0.3	10.1	0.5	13.4	0.3	7.1	0.0	4.5	0.3	10.8	0.3	-36%	+	-58%	-3%
Clywedog - W005			8.4	0.8	26.8	1.4			21.0	0.5	14.9	0.9	18.7	0.9	-29%	68%	-21%	-4%
South Dulas - Irfon - W007	41.3	1.1	20.4	0.7	110.4	2.0	41.4	1.1	13.5	0.8	13.2	1.8	45.4	1.1	-3%	118%	-71%	59%
Garth Dulas - W008a	62.6	8.2	65.6	3.6	46.6	7.2	49.0	4.3	89.0	2.5	30.5	2.5	62.6	5.1	-66%	-2%	-51%	-52%
Chwerfri - W009	233.3	5.2	138.1	5.9	217.4	0.3	201.9	6.3	75.4	2.4	45.2	0.0	173.2	4.0	-40%	-100%	-74%	-100%
Duhonw - W010			19.3	1.1	13.9	0.0	6.3	0.3	31.1	4.0	17.8	1.2	17.7	1.3	-43%	-70%	1%	-12%
Edw - W011			50.5	1.9	80.0	2.2	31.2	3.9	47.8	11.6	21.5	3.1	52.4	4.9	-55%	-74%	-59%	-37%
Sgithwen - W012			12.8	3.1	15.3	4.2	43.4	6.9	23.5	3.2	3.0	1.5	23.8	4.3	-87%	-52%	-87%	-65%
Lugg - W014			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0%	0%	0%
Hindwell Brook - W016			0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0%	0%	0%
Honddu - W020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0%	0%	0%
Wye - W025			18.4	0.8	12.8	1.3	19.6	2.0	23.3	1.2	4.5	0.9	18.5	1.3	-81%	-26%	-76%	-33%
Bidno - W029			22.3	8.0	30.3	7.4	22.6	6.1	49.2	9.3	25.7	5.3	31.1	7.7	-48%	-43%	-17%	-31%
Ithon - W032d			29.4	2.8	44.4	1.7	30.5	1.9	42.4	0.0	46.7	0.8	36.7	1.6	10%	+	27%	-48%
Aran - W033			26.0	5.0	29.3	0.7	1.3	0.0	5.1	0.0	0.9	0.9	15.4	1.4	-82%	+	-94%	-36%
Nantmel Dulas - W035a							14.6	2.3	6.6	2.0	3.1	0.5	10.6	2.2	-53%	-75%	-71%	-76%
Camrarch - W043a	101.5	3.6	102.8	5.0	92.4	3.7	76.3	2.7	77.8	1.6	50.2	4.8	90.2	3.3	-35%	201%	-44%	45%
Einon - W044b	0.0	0.0	3.6	0.5	19.2	0.8	2.4	0.0	0.0	1.0	0.0	0.0	5.0	0.5	0%	-100%	-100%	-100%
Llynfi - W047e			1.2	0.0	0.4	0.0	0.0	0.0	3.1	0.0	0.0	0.0	1.2	0.0	-100%	0%	-100%	0%
Arrow - W052			0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.4	0%	0%	0%	-100%
Irfon - W095L	20.0	0.5	16.7	0.0	29.5	1.4	37.3	0.0			15.9	0.5	25.9	0.5			-38%	-2%
<b>Average</b>	<b>65.5</b>	<b>2.6</b>	<b>27.9</b>	<b>3.3</b>	<b>43.6</b>	<b>2.5</b>	<b>31.4</b>	<b>2.9</b>	<b>27.8</b>	<b>2.5</b>	<b>16.6</b>	<b>1.4</b>	<b>39.2</b>	<b>2.8</b>	<b>-40%</b>	<b>-47%</b>	<b>-58%</b>	<b>-51%</b>

Note – densities here are calculated from the first run only of the quantitative surveys in order that semi-quantitative surveys could also be included in the analysis. The densities are not directly comparable to the graphs above which use only fully quantitative surveys.

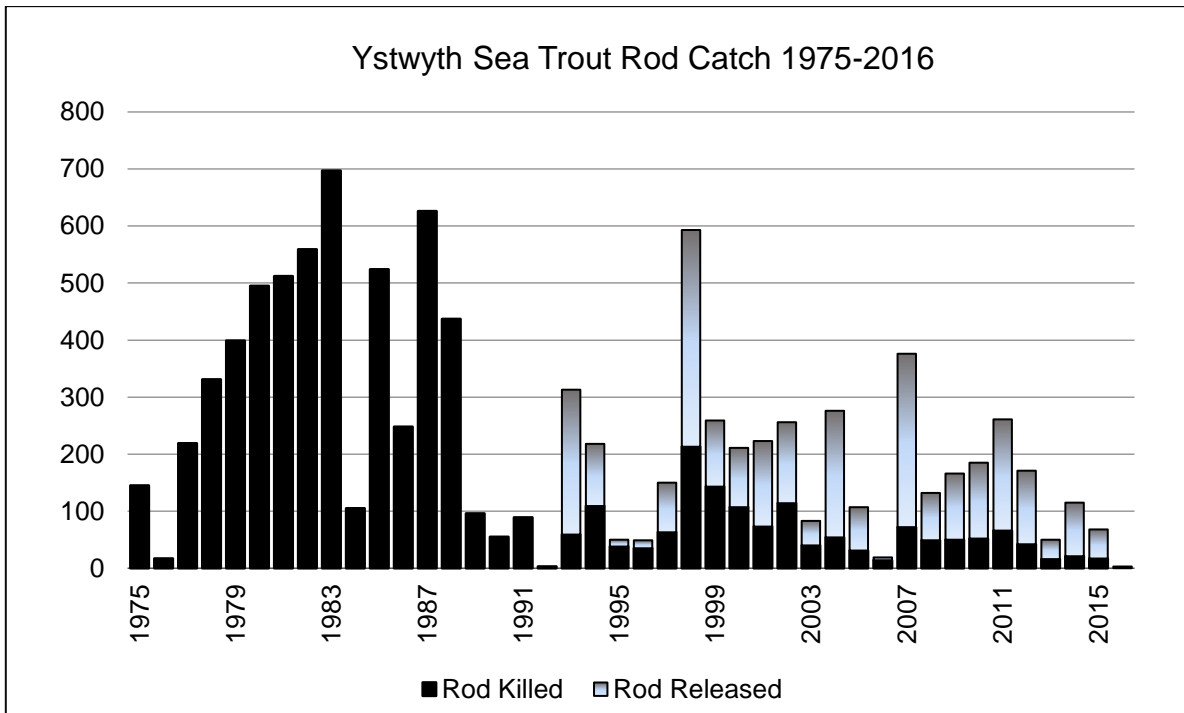
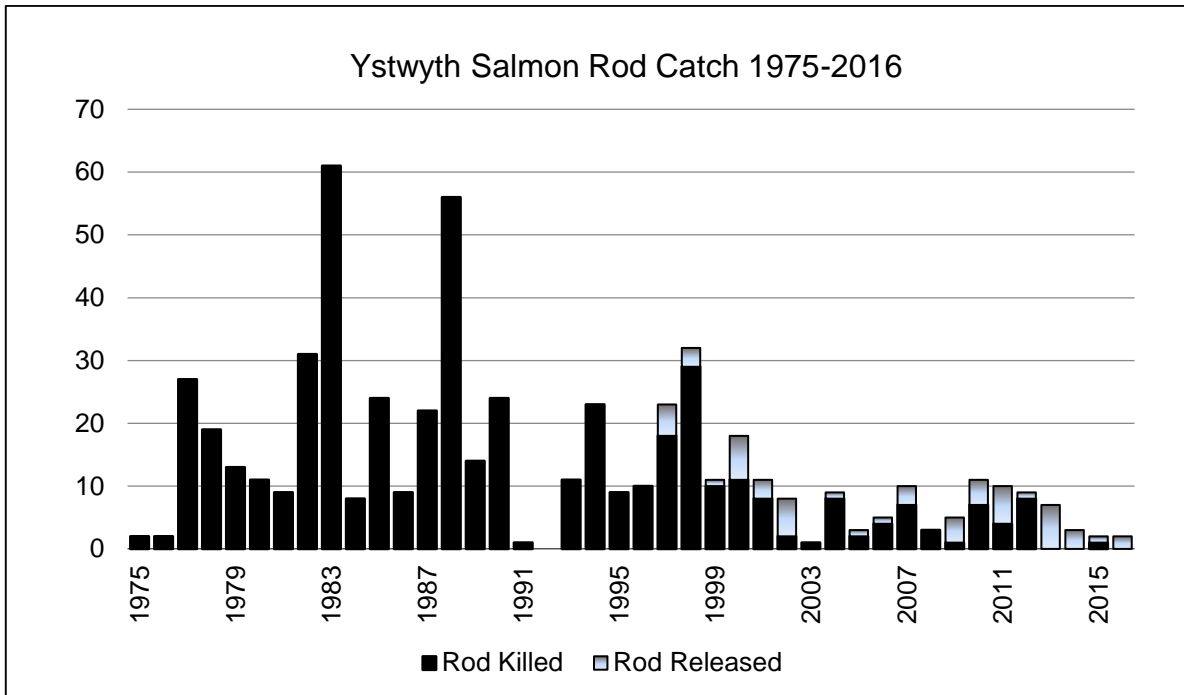
## River Wye

Juvenile trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Yr Average (2011-2015)		% Change from 2015		% Change from 5 yr Av	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Dernol - W001			23.9	12.9	22.4	9.0	15.3	7.6	33.8	8.5	16.9	5.4	23.8	9.5	-50%	-36%	-29%	-43%
Marteg - W002			1.7	0.6	3.1	0.3	0.7	0.7	2.5	0.8	1.3	1.0	2.0	0.6	-50%	33%	-37%	78%
Llanwrthyl Dulas - W003			15.1	6.9	17.6	12.6	69.6	23.0	59.2	12.3	33.8	7.7	40.4	13.7	-43%	-38%	-16%	-44%
Ithon - W004			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0%	0%	0%
Clywedog - W005			0.0	0.5	0.0	0.0			0.0	0.3	0.0	0.0	0.0	0.3	0%	-100%	0%	100%
South Dulas - Irfon - W007	1.1	0.0	0.4	0.2	2.9	0.0	0.5	0.0	1.5	0.0	0.5	0.0	1.3	0.0	-69%	0%	-64%	100%
Garth Dulas - W008a	6.2	0.0	1.0	0.0	2.0	0.4	0.7	3.0	1.7	5.0	0.4	4.2	2.3	1.7	-79%	-16%	-85%	151%
Chwerfri - W009	7.8	4.8	1.5	2.6	1.6	2.2	0.7	4.4	1.9	2.7	1.0	0.8	2.7	3.3	-45%	-71%	-61%	-77%
Duhonw - W010			0.4	1.1	0.3	1.4	1.0	4.3	2.6	7.6	1.2	5.6	1.1	3.6	-55%	-26%	9%	56%
Edw - W011			0.0	2.9	1.1	3.9	0.2	1.6	3.6	6.6	1.5	2.8	1.2	3.7	-57%	-58%	25%	-26%
Sgithwen - W012			3.1	3.6	0.5	0.5	0.0	0.6	3.2	0.6	3.0	1.0	1.7	1.3	-5%	59%	79%	-24%
Lugg - W014			0.3	1.3	12.8	1.0	2.2	8.2	27.9	3.6	10.7	4.3	10.8	3.5	-62%	18%	-1%	21%
Hindwell Brook - W016			2.8	1.2			7.1	11.4	28.6	7.8	21.7	15.7	12.8	6.8	-24%	101%	69%	131%
Honddu - W020	2.6	7.7	0.6	4.8	1.4	2.3	1.8	3.8	8.5	2.4	3.5	7.3	3.0	4.2	-59%	205%	17%	73%
Wye - W025			0.3	0.0	0.0	0.0	0.8	0.3	1.2	0.0	1.0	0.0	0.6	0.1	-13%	0%	83%	100%
Bidno - W029			9.7	0.0	6.9	2.9	2.4	0.4	6.2	1.3	1.3	0.0	6.3	1.1	-79%	-100%	-79%	100%
Ithon - W032d			2.8	1.7	0.6	0.0	0.0	0.0	1.4	0.0	0.8	0.8	1.2	0.4	-40%	+	-29%	100%
Aran - W033			13.0	2.0	32.7	2.7	3.0	0.4	8.2	0.0	11.8	2.3	14.2	1.3	44%	+	-17%	78%
Nantmel Dulas - W035a							0.0	2.3	1.5	1.5	0.5	1.5	0.8	1.9	-66%	2%	-32%	-19%
Cammarch - W043a	1.5	0.0	1.1	0.6	5.5	0.0	3.2	1.1	6.9	0.5	3.0	1.2	3.6	0.4	-57%	126%	-18%	178%
Einon - W044b	16.4	1.0	12.8	1.5	55.2	13.4	83.9	8.3	23.9	5.7	62.1	3.2	38.5	6.0	160%	-45%	62%	-47%
Llynfi - W047e			0.0	2.3	0.0	1.2	0.0	2.5	0.7	6.6	2.4	4.9	0.2	3.1	250%	-26%	1300%	55%
Arrow - W052			3.9	8.8	5.8	16.4	5.7	8.0	17.1	4.6	10.4	5.9	8.1	9.5	-40%	27%	27%	-38%
Irfon - W095L	13.8	0.5	12.4	0.0	9.3	0.3	3.6	0.2			4.3	0.0	9.8	0.3			-56%	100%
<b>Average</b>	<b>7.0</b>	<b>2.0</b>	<b>4.6</b>	<b>2.4</b>	<b>8.3</b>	<b>3.2</b>	<b>8.8</b>	<b>4.0</b>	<b>10.5</b>	<b>3.4</b>	<b>8.1</b>	<b>3.1</b>	<b>7.9</b>	<b>3.0</b>	<b>-24%</b>	<b>-8%</b>	<b>2%</b>	<b>5%</b>

Note – densities here are calculated from the first run only of the quantitative surveys in order that semi-quantitative surveys could also be included in the analysis. The densities are not directly comparable to the graphs above which use only fully quantitative surveys.

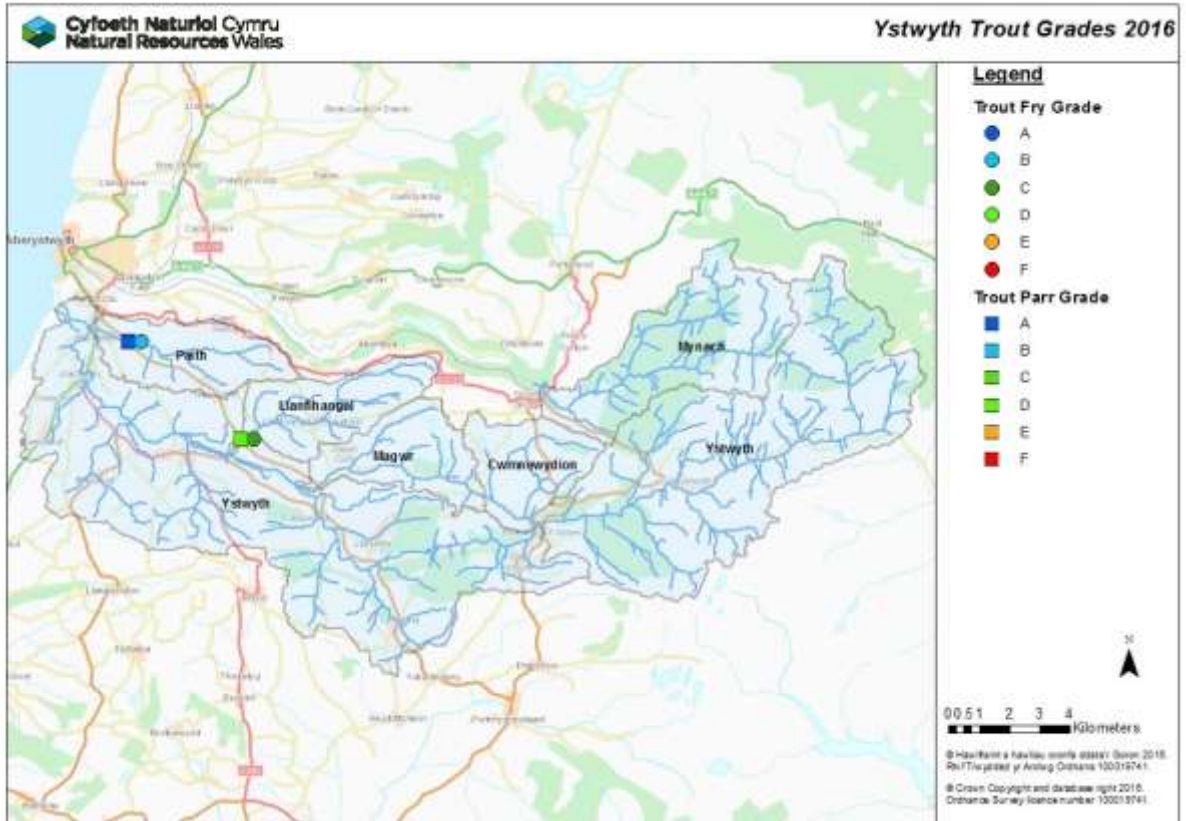
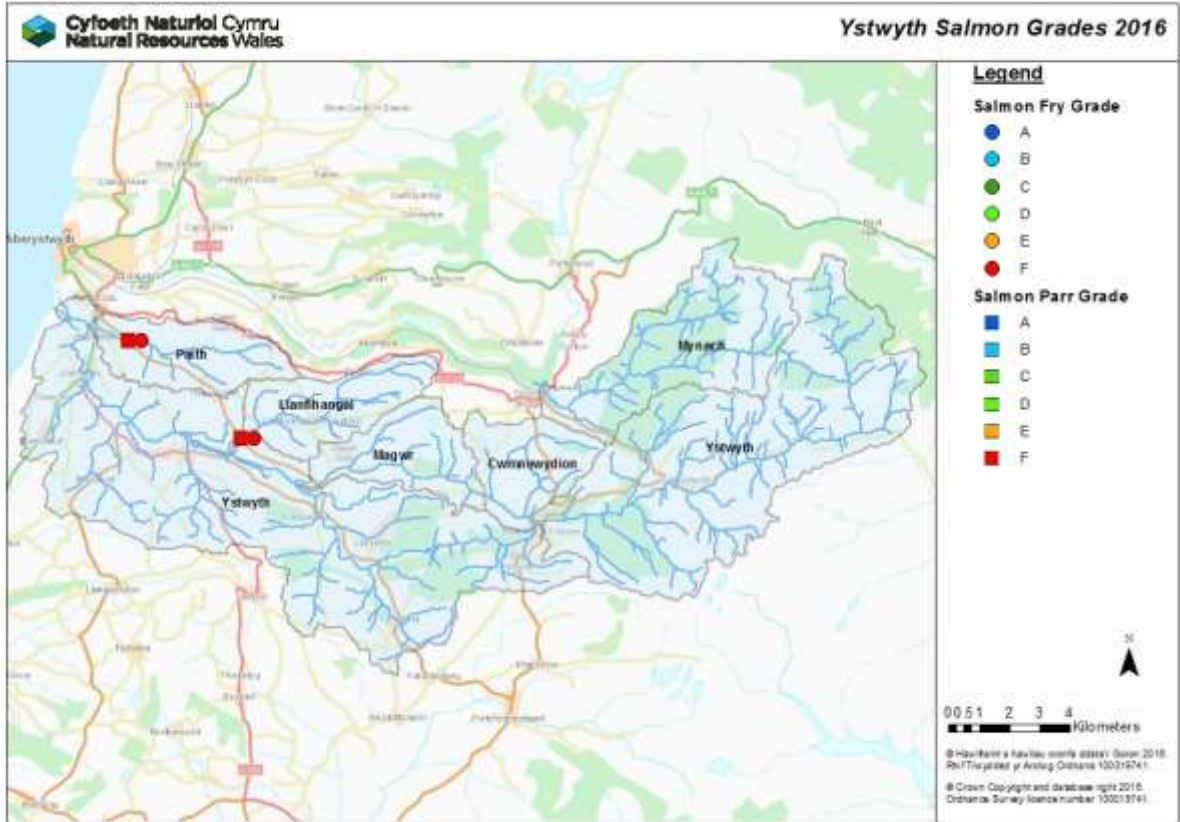
# River Ystwyth



There is no salmon or sea trout net fishery on the Ystwyth



# River Ystwyth



# River Ystwyth

Juvenile salmon and trout densities 2011 to 2016 (fish per 100m<sup>2</sup>)

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon		Salmon	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Creddyn - YS02	11.2	4.2	21.4	1.3	14.9	1.1	3.9	1.9	0.0	0.0	0.0	0.0	10.3	1.7	0%	0%	-100%	-100%
Patih - YS01	0.0	0.0	0.0	0.7	0.0	3.1	0.0	7.8	0.0	0.8	0.0	0.0	0.0	2.5	0%	-100%	0%	-100%
<b>Average</b>	<b>5.6</b>	<b>2.1</b>	<b>10.7</b>	<b>1.0</b>	<b>7.4</b>	<b>2.1</b>	<b>1.9</b>	<b>4.9</b>	<b>0.0</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>5.1</b>	<b>2.1</b>	<b>0%</b>	<b>-100%</b>	<b>-100%</b>	<b>-100%</b>

River – Site Name	2011		2012		2013		2014		2015		2016		5 Year Average (2011-2015)		% Change from 2015		% Change from 5 year average	
	Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout		Trout	
	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+	0+	>0+
Creddyn - YS02	58.7	10.5	56.0	6.3	36.4	7.7	78.7	6.5	90.7	12.3	24.8	11.4	64.1	8.6	-73%	-7%	-61%	32%
Patih - YS01	94.6	52.3	71.1	31.5	25.8	27.7	176.5	39.2	105.0	45.0	34.3	74.1	94.6	39.2	-67%	65%	-64%	89%
<b>Average</b>	<b>76.7</b>	<b>31.4</b>	<b>63.6</b>	<b>18.9</b>	<b>31.1</b>	<b>17.7</b>	<b>127.6</b>	<b>22.8</b>	<b>97.8</b>	<b>28.6</b>	<b>29.5</b>	<b>42.8</b>	<b>79.4</b>	<b>23.9</b>	<b>-70%</b>	<b>49%</b>	<b>-63%</b>	<b>79%</b>