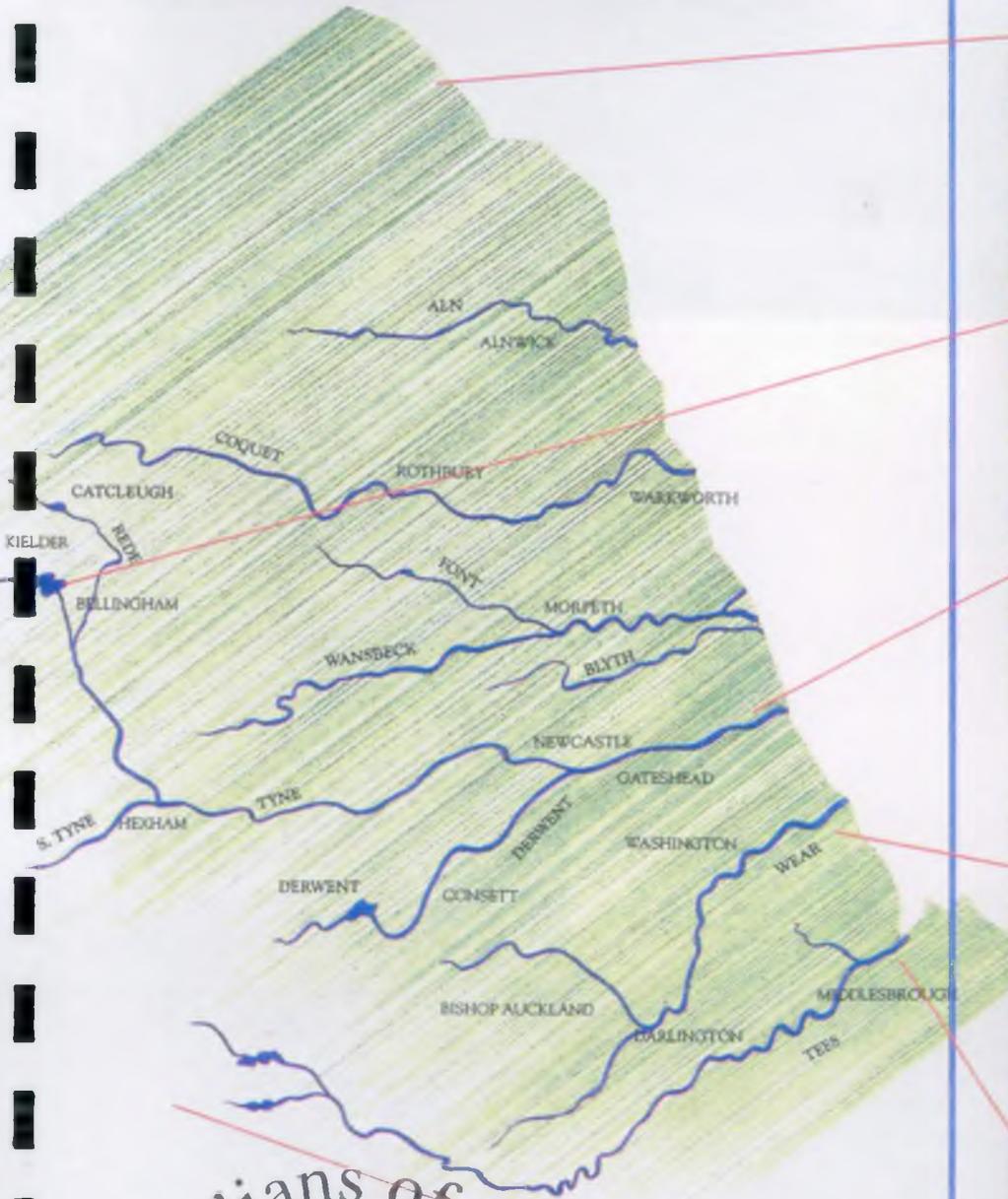


BDCS



NRA

*National Rivers Authority
Northumbria Region*



REDD COUNT REPORT

1993

INTRODUCTION

Redd counts were carried out by the Bailiff Force on the major rivers and their tributaries in the Northumbria Region during November and December 1993. The results are summarized in tables and graphs and a short discussion is included.

Unfortunately flood conditions prevented an accurate count in many rivers with many redds being levelled off. Because of this and the fragmentary nature of earlier data, results from the 1993 survey have not been compared with those of previous years. In future years the same sites will be counted to build up a full data base.

Habitat data was also collected as part of the redd counting programme.

1993 - REDD COUNT

RIVER TEES

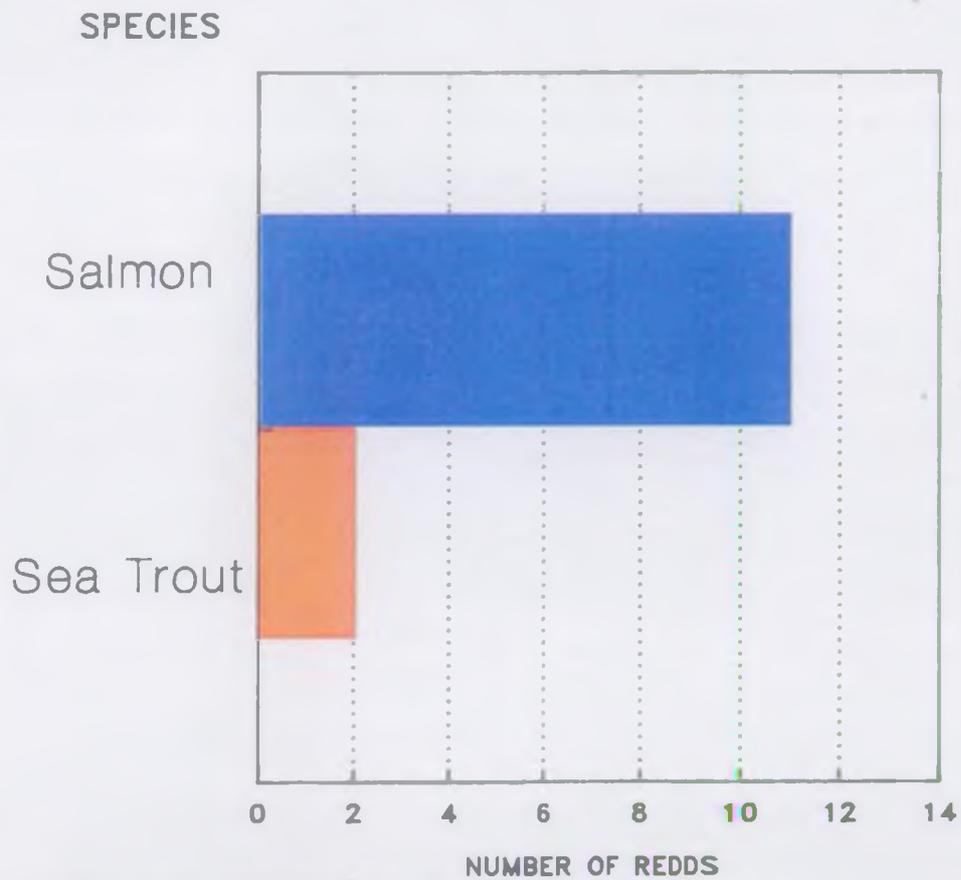
		SA	ST	BT
Broken Scar	NZ258137	-	-	-
Egglestone Abbey	NZ055152	-	-	-
Cotherstone	NZ013202	-	-	-
Egglestone Bridge	NY996232	-	-	-

RIVER TEES TRIBUTARIES

		SA	ST	BT
Clow Beck (22/12/93)	NZ281100- NZ282104	11	2	-
Langley Beck		-	-	-
River Greta		-	-	-
River Balder		-	-	-
Egglestone Burn		-	-	-
Bowlees Burn		-	-	-
Ettersgill Beck		-	-	-

R.Tees Redd Counts 1993

Clow Beck



Clow Beck was the only site in the Tees catchment where reds were found in 1993
Conditions for redd count poor

1993 - REDD COUNT

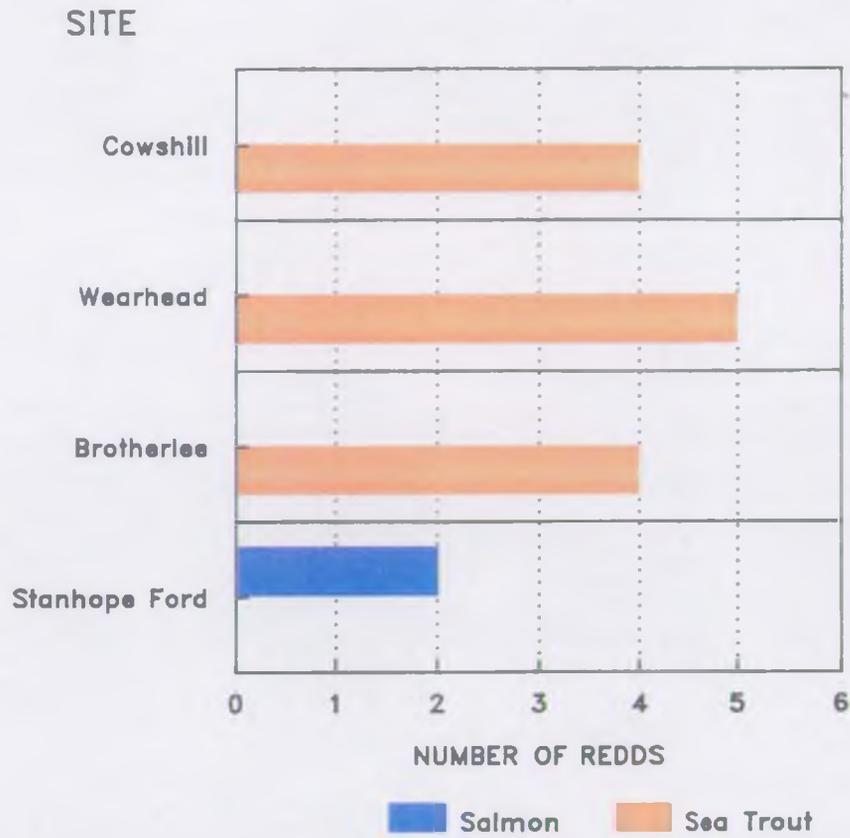
RIVER WEAR

		SA	ST	BT
Cowshill (28/11/93)	NY855403	-	4	-
Wearhead (28/11/93)	NY857397	-	5	-
Brotherlee (28/11/93)	NY926379	-	4	-
Stanhope Ford	NY991393	2	-	-

Pairs of sea trout were also observed on Bollihope Burn, Horsley Burn, Waskerley Beck and Spurliswood Beck.

River Wear Redd Count 1993

Main River



Pairs of sea trout observed at Bollhope Burn, Waskerley, Horsley & Spurlwood Beck. Floods badly affected redd count.

1993 REDD COUNT

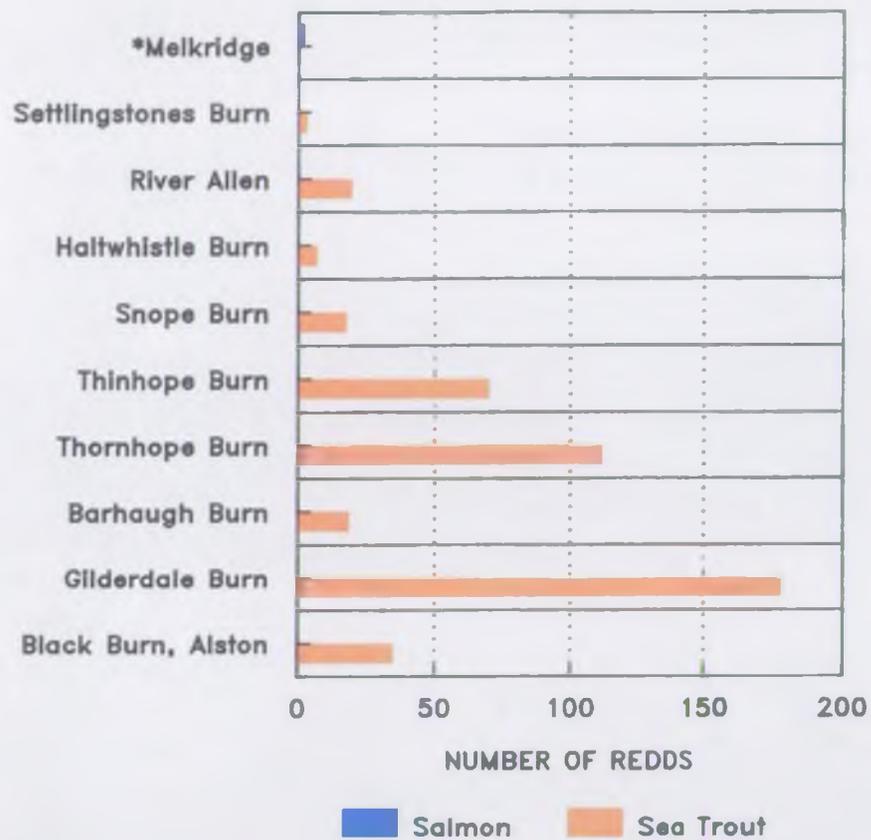
RIVER SOUTH TYNE TRIBUTARIES

		SA	ST	BT
* Melkidge (21/11/93)	NY732632	2	-	-
Settlingstones Burn (25/11/93)	NY876672- NY864683	-	3	-
River Allen (5/12/93)	NY828568	-	20	-
Haltwhistle Burn (21/12/93)	NY717637- NY714638	-	7	-
Snope Burn (5/12/93)	NY685552	-	18	-
Thinhope Burn (3/12/93)	NY682550- NY663538	-	70	-
Thornhope Burn (3/12/93)	NY686516- NY685508	-	112	-
Barhaugh Burn (8/12/94)	NY681513- NY702523	-	19	-
Gilderdale Burn (6/12/93)	NY705489- NY689468	-	178	-
Black Burn, Alston (3/12/93)	NY704431	-	35	-

* = Main river site.

River S.Tyne Redd Count 1993

Tributaries



Floods prevented accurate counts
 * = Main River Site

1993 - REDD COUNT

RIVER NORTH TYNE

		SA	ST	BT
Yarrow (10/12/93)	NY713876	12	16	-
Falstone (10/12/93)	NY722876	14	11	-
Ridley Stokoe (12/12/93)	NY745858	70	25	-
Newton (12/12/93)	NY798842	60	18	-

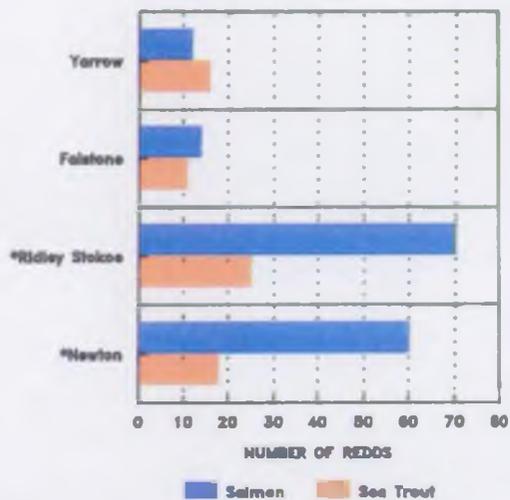
NORTH TYNE TRIBUTARIES

		SA	ST	BT
Tarset Burn (11/12/93)	NY784854- NY772897	10	38	-
Chirdon Burn (11/12/93)	NY783851- NY749817	-	18	7

MAIN TYNE TRIBUTARIES

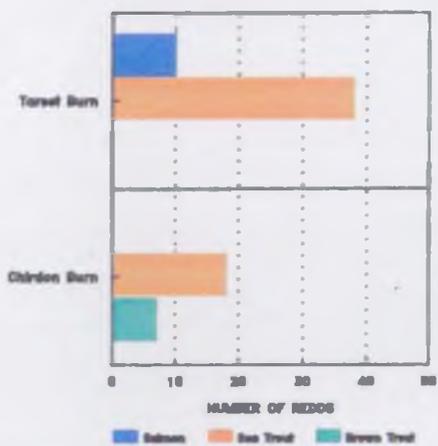
		SA	ST	BT
Devils Water (21/12/93)	NY975637	6	49	-
Cor Burn (18/12/93)	NY980648	-	20	-
Brockhole Burn (12/12/93)	NY039617	-	61	-

River N.Tyne Redd Count 1993 Main River



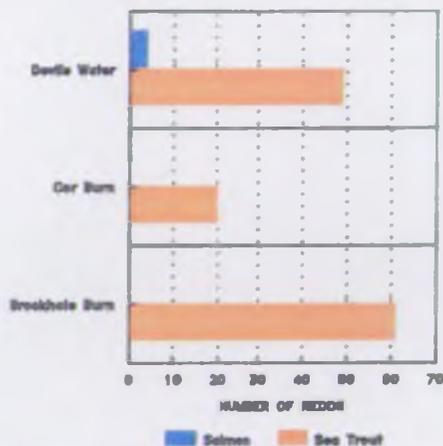
Floods prevented accurate counts
*as Redds overlapping

River N.Tyne Redd Count 1993 Tributaries



Floods prevented accurate counts

River Tyne Redd Count 1993 Tributaries



Floods prevented accurate counts

1993 REDD COUNT

RIVER BLYTH

(22/12/93)

		SA	ST	BT
Humford Dam	NZ262797	-	-	-
Hartford Scout Camp	NZ253802	-	1	1
Plessey Farm	NZ228792	-	4	-
Stannington Bridge	NZ216784	-	-	-
Bellasis Bridge	NZ190770	-	-	-
Thornyford	NZ156773	-	-	-

R.Blyth Redd Counts 1993

Main River



Heavy floods affected redd count

1993 - REDD COUNT

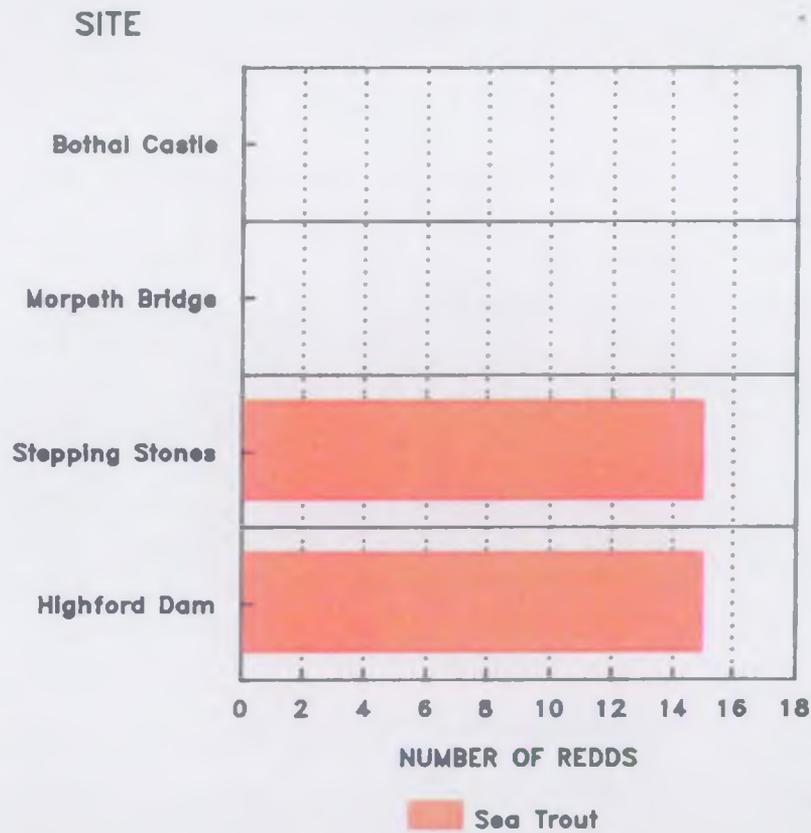
RIVER WANSBECK

(22/12/93)

		SA	ST	BT
Bothal Castle	NZ242865	-	-	-
Morpeth Bridge	NZ201858	-	-	-
Morpeth Stepping Stones	NZ196861	-	15	-
Highford Dam	NZ181857	-	15	-

R.Wansbeck Redd Counts 1993

Main River



Most redds levelled after flooding

1993 - REDD COUNT

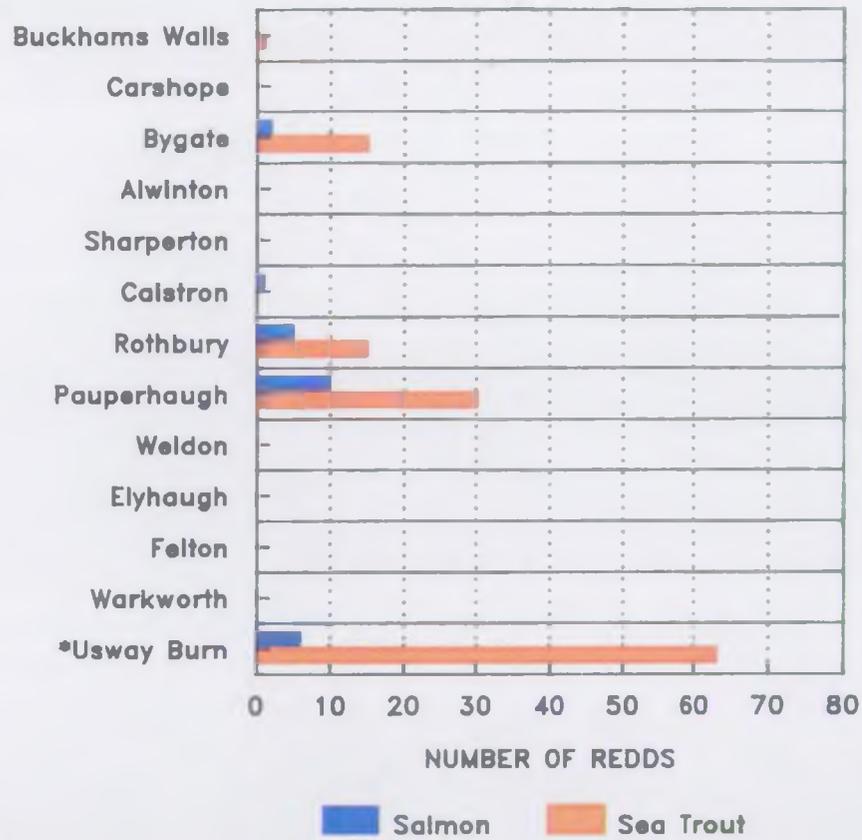
RIVER COUET

		SA	ST	BT
Buckhams Walls (12/12/93)	NT824107	-	1	-
Carshope (12/12/93)	NT844116	-	-	-
Bygate (12/12/93)	NT868084	2	15	-
Alwinton (12/12/93)	NT923056	-	-	-
Sharperton (21/12/93)	NT955038	-	-	-
Caistron (21/12/93)	NT998012	1	-	-
Rothbury (21/12/93)	NU059016	5	15	-
Pauperhaugh (21/12/93)	NZ101995	10	30	-
Weldon (21/12/93)	NZ141987	-	-	-
Elyhaugh	NZ159995	-	-	-
Felton	NU185004	-	-	-
Warkworth	NU241060	-	-	-
* Usway Burn (31/12/93)		6	63	-

* = Tributary Site

River Coquet Redd Count 1993

Main River



Floods prevented accurate counts
 * = Tributary Site

DISCUSSION

The 1993 redd count was severely affected by poor weather conditions and so the data should be considered as qualitative information only. Excessive water levels levelled off many redds in most catchments with only the Tyne system being studied in any detail.

The River Tees showed low numbers of salmon and sea trout redds in the Clow Beck but no other redds were observed within the Tees system. The count was affected by high turbidity and rising water levels.

Low numbers of salmonid redds were recorded on the main River Wear and pairs of sea trout were also observed in the Bollihope Burn, Horsley Burn, Waskerley Beck and Spurlwood Beck.

Salmon redds were observed at only one site on the main River South Tyne although many sea trout redds were recorded in the tributaries. Again heavy flooding made counting difficult, but the Thornhope Burn, Gilderdale Burn and the Thinhope Burn all showed large numbers of sea trout redds.

The North Tyne showed a high level of salmon and sea trout spawning particularly at Ridley Stokoe and Newton. However a true count was impossible due to overlapping redds. Both sites are known salmon spawning grounds with large areas of suitable gravel. At Ridley Stokoe fourteen redds were left dry when releases from Keilder were at a minimum. Salmon redds were observed on the Tarsset Burn but none on the Chirdon Burn, although flood conditions prevented an accurate count.

Few redds were recorded on the River Blyth but this is only to be expected as many areas of the river are slow-flowing and silty and therefore of limited spawning potential. No salmon redds were found on the River, undoubtedly due to the presence of Humford Dam which presents an impassable barrier in most flow conditions.

Sea trout redds were observed on the river Wansbeck at Morpeth Stepping Stones and Highford Dam, but most redds were levelled off after heavy flooding.

Flow conditions badly affected the River Coquet counts, with very few sites showing many redds. Unfortunately only one tributary site could be surveyed, as in previous years outstanding numbers of redds have been recorded within the Coquet system.

Unfortunately, flooding prevented counts on the Rivers Rede and Aln and all the Northern Burns.

The data collected can not be compared to results obtained in previous years, as the rivers conditions prevented accurate counts. However, redds were observed on many of the known salmonid spawning sites, indicating the continuing return of the adult fish to the Regions rivers.