

**FROM: Michael McAnallen
Inland Fisheries Group**

DATE: 3 February 2012

**TO: 1. Karen Simpson (Cleared 03.02.12)
2. Mary McArdle
3. Carál Ní Chuilín MLA**

See distribution list

AQW 7264/11-15: To ask the Minister of Culture, Arts and Leisure to detail, for each river system, the number of salmon redds counted in each of the last twenty years; and for an estimate of the total number of redds in each river system in each of those years.

Please see attached answer to AQW 7264/11-15 and background note.

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DEPARTMENT OF CULTURE, ARTS AND LEISURE

**Carál Ní Chuilín MLA
Minister of Culture, Arts and Leisure
Causeway Exchange
1-7 Bedford Street
Belfast BT2 7EG**

**Jim Allister MLA
Northern Ireland Assembly
Parliament Buildings
Ballymiscaw
Stormont**

**13 February 2012
AQW 7264/11-15**

Mr Allister has asked:

The Minister of Culture, Arts and Leisure to detail, for each river system, the number of salmon redds counted in each of the last twenty years; and for an estimate of the total number of redds in each river system in each of those years.

(AQW 7264/11-15)

ANSWER:

Details of salmon redds counted over the last 20 years have been placed in the Assembly Library.

The Department and the Fisheries Conservancy Board which was previously responsible for counting redds, have not calculated estimates extrapolated from actual counts.

Carál Ní Chuilín MLA

Background:

- A redd is the area of a river bed prepared by an individual salmon for spawning during autumn/winter.
- Redd counts are one of a number of pieces of data that help to inform the status of salmon stocks in a river.
- Accurate redd counts are very much dependent on suitable water levels and favourable weather conditions.
- The Department and the Fisheries Conservancy Board, which was previously responsible for redd counts, has not calculated estimates extrapolated from actual counts.
- The Department is currently of the opinion that electric fishing surveys of juvenile fish provide a more accurate assessment of recruitment.

AQW 7264/11-15

**Salmon Redds
Counts**

1990 - 2010

	1990		1991		1992		1993		1994		1995		1996		1997	
	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon
Colebrook river	166	40	140	13	10	10	140	32	Pt 70	Pt 14	83	14	113	24	91	18
Hollybrook river	14	0	150	0	0	0	5	0	Pt 4	Pt 0	2	0	4	0	5	0
Finn river	6	0	5	0	0	0	5	0	Pt 8	Pt 0	3	0	8	0	4	0
Swalinbar river	22	11	20	13	10	8	10	3	22	4	11	5	18	7	11	8
Arney river	39	30	38	9	10	5	35	28	24	17	24	10	29	14	26	8
Sillees river	n/c	n/c	n/c	n/c	20	n/c	21	0	0	0	4	0	5	0	4	0
Erne river (Salmon counts include sea trout)	0	6	0	8	n/c	11	0	16	0	6	0	4	0	5	0	4
Garvary river	457	8	455	15	320	23	456	38	387	19	372	16	421	14	448	15
Termon river	119	9	122	22	0	22	158	37	97	7	84	22	97	10	114	8
Bannagh river	37	0	37	0	n/c	n/c	16	0	0	0	6	0	3	0	8	0
Kesh river	162	0	305	0	150	0	294	0	179	0	167	0	229	0	259	0
Ballnamallard river	443	16	230	3	10	5	135	0	Pt 395	Pt5	153	5	117	5	109	4
Ardees river	34	4	34	5	35	5	34	11	14	8	17	4	22	42	28	4
Tullyfad river	15	0	15	0	0	n/c	20	0	11	0	13	0	0	0	18	0
Drumnavanty river	29	0	28	0	30	0	27	0	12	0	10	0	10	0	12	0
Derryona River	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc
Barnes River	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc
Tullymore river	205	0	190	0	90	n/c	218	0	166	0	150	0	181	0	212	1
County river	84	8	120	14	n/c	13	124	15	84	8	60	4	80	8	Pt 19	7
Roogagh river	40	9	52	17	n/c	21	56	16	39	11	40	9	33	11	Pt 18	9
Aghamuldowney river	177	0	179	0	n/c	0	62	0	39	0	30	0	43	0	n/c	n/c
Elliot's river	61	0	62	0	n/c	0	29	0	11	0	10	0	14	0	12	0
Mart river	37	0	39	0	n/c	n/c	41	0	38	0	26	0	37	0	Pt 15	0
Ruskitt river	32	0	30	0	23	n/c	26	0	15	0	12	0	16	0	28	0
O'Brien's River	195	0	193	0	125	n/c	193	0	104	0	138	0	163	0	141	0
Macosquin river	62	11	33	8	20	11	29	12	21	10	55	6	22	8	36	14
Agivey River	74	110	72	68	39	51	66	82	39	15	89	81	77	73	93	107
Aghadowey River	40	14	26	21	20	10	30	18	9	4	35	17	35	22	41	33
Clady river	83	115	102	149	31	56	42	132	19	0	57	143	62	105	56	146
Ballymoney river	51	0	n/c	n/c	n/c	n/c	0	0	92	0	44	0	n/c	n/c	n/c	n/c
Ballinderry river	676	17	1039	22	55	15	167	0	294	0	157	0	696	538	Pt 194	n/c
Moyola river	114	129	142	153	n/c	n/c	0	0	314	0	11	0	Pt 38	Pt 195	Pt 56	Pt 10
Blackwater river	249	10	179	14	165	38	194	2	147	26	293	0	228	60	Pt 104	8
Upper Bann river	375	51	166	3	115	15	22	40	2	20	12	7	15	0	Pt 9	Pt 18
Six Mile Water	222	0	127	n/c	n/c	n/c	290	0	208	3	481	12	233	26	532	34
Main River	183	73	77	8	60	13	0	0	58	23	36	16	39	2	57	11
Fane river	62	23	18	26	10	35	9	5	9	17	Pt 0	Pt 4	3	2	Pt 0	0
Creggan river	24	11	22	3	78	32	10	3	Pt 4	Pt 3	Pt 9	Pt 3	7	1	Pt 0	0
Cully water	69	7	48	9	18	15	n/c	n/c	n/c	n/c	n/c	n/c	n/c	n/c	0	0
Forkhill river	61	9	11	2	19	41	0	0	0	0	4	1	0	3	0	0
Clanrye river	18	0	26	0	52	5	18	0	17	0	4	0	18	25	n/c	n/c
Moygannon river	18	0	5	0	0	4	3	0	0	0	n/c	n/c	25	0	n/c	n/c
Ghann river	7	4	20	0	15	0	1	0	0	0	0	4	n/c	n/c	n/c	n/c
Cassy water	12	7	7	5	12	11	0	0	n/c	n/c	0	9	0	0	n/c	n/c
Whitewater river	15	47	19	31	48	32	27	28	10	16	23	26	n/c	n/c	n/c	n/c
Kilbroney river	35	0	4	0	0	0	1	0	2	3	0	6	6	1	0	0
Flurry river	19	5	20	15	15	48	1	10	Pt 0	Pt 0	Pt 0	Pt 0	3	1	0	0
Kilkeel river	25	42	15	22	42	25	30	23	n/c	n/c	8	14	Pt 15	Pt 4	n/c	n/c
Mullagh River	14	8	16	5	18	6	11	6	n/c	n/c	6	0	18	2	n/c	n/c
Annalong river	16	7	12	17	17	11	14	9	n/c	n/c	16	19	n/c	n/c	n/c	n/c
Glen river	0	0	0	0	4	0	n/c	n/c	n/c	n/c	n/c	n/c	2	0	n/c	n/c
Shimna system river	34	71	38	58	48	26	55	45	n/c	13	30	125	Pt 2	Pt 13	n/c	n/c
Carrigs river (trout includes seatrout)	24	19	20	13	20	23	10	17	n/c	n/c	n/c	n/c	28	13	n/c	n/c
Moneycarragh river	25	41	20	40	18	22	24	34	n/c	n/c	n/c	n/c	n/c	n/c	n/c	n/c
Ardilea river	12	0	10	0	5	0	n/c	n/c	n/c	n/c	n/c	n/c	0	0	n/c	n/c
Blackstaff river	36	0	11	13	6	6	12	5	n/c	n/c	n/c	n/c	13	2	n/c	n/c
Quoile river	70	0	40	0	42	0	n/c	n/c	n/c	n/c	n/c	n/c	84	0	n/c	n/c
Dibney river	6	2	10	2	5	3	n/c	n/c	n/c	n/c	n/c	n/c	13	4	n/c	n/c
Comber river	9	0	10	2	16	4	20	13	16	0	n/c	n/c	46	10	n/c	n/c
Killinchy (Blackwater) river	9	0	5	0	5	0	n/c	n/c	n/c	n/c	n/c	n/c	25	0	n/c	n/c
Lagan river	164	0	90	0	n/c	n/c	50	0	95	32	81	12	113	17	Pt 10	Pt 15

	1998		1999		2000		2001		2002		2003		2004		2005	
	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon	Trout	Salmon
Colebrook river	42	5	25	3	18	2	81	3	18	3	81	0	130	3	121	0
Hollybrook river	7	0	6	0	2	0	14	0	4	0	8	0	14	0	3	0
Finn river	3	0	3	0	2	0	7	0	3	0	3	0	10	0	5	0
Swalinbar river	8	3	18	4	10	1	24	2	7	1	10	3	12	3	15	6
Arney river	18	4	16	3	6	2	22	3	9	1	5	0	21	4	3	0
Sillees river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	3	0	4	0	N/c	N/c	4	0
Erne river (Salmon counts include sea trout)	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	0	4	0	5	0	5	20	5
Garvary river	Nc	Nc	Nc	Nc	211	2	226	2	211	14	174	21	168	14	205	17
Termon river	Nc	Nc	Nc	Nc	43	3	62	Nc	57	6	55	9	66	6	81	4
Bannagh river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	4	0	11	0	7	N/c	11	0
Kesh river	Nc	Nc	Nc	Nc	51	0	53	Nc	84	2	68	2	77	0	75	0
Ballinamallard river	23	5	107	0	18	0	46	Nc	36	5	60	4	188	14	146	4
Ardees river	Nc	Nc	Nc	Nc	Nc	Nc	7	Nc	4	2	6	4	9	0	19	2
Tullyfad river	Nc	Nc	Nc	Nc	Nc	Nc	4	Nc	14	0	16	0	15	0	20	0
Drumnavanty river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	6	0	6	0	11	0	6	0
Derryona River	Nc	Nc	Nc	Nc	Nc	Nc	12	Nc	16	0	13	0	14	0	14	0
Barnes River	Nc	Nc	Nc	Nc	Nc	Nc	11	Nc	8	0	6	0	6	0	6	0
Tullymore river	Nc	Nc	Nc	Nc	70	0	141	0	173	2	106	1	83	1	134	1
County river	Nc	Nc	Nc	Nc	0	6	Nc	5	31	7	17	5	34	9	53	6
Roogagh river	Nc	Nc	Nc	Nc	0	4	7	4	8	4	16	6	19	6	17	4
Aghamuldowney river	Nc	Nc	Nc	Nc	14	0	19	Nc	N/c	N/c	9	0	20	0	22	0
Elliot's river	Nc	Nc	Nc	Nc	5	0	Nc	Nc	14	0	6	0	7	0	7	0
Mart river	Nc	Nc	Nc	Nc	Nc	Nc	2	Nc	8	0	16	0	22	0	23	0
Ruskitt river	Nc	Nc	Nc	Nc	6	0	10	Nc	11	0	9	0	8	0	8	0
O'Brien's River	Nc	Nc	Nc	Nc	Nc	Nc	43	Nc	62	0	54	0	49	0	49	0
Macosquin river	Nc	Nc	Nc	Nc	15	10	52	9	0	8	27	6	34	0	0	12
Agivey River	Nc	Nc	Nc	Nc	17	30	85	94	0	13	39	14	81	33	47	21
Aghadowey River	Nc	Nc	Nc	Nc	Nc	8	7	12	0	6	10		16	14	N/c	N/c
Clady river	Nc	Nc	Nc	Nc	23	34	38	123	0	13	38	11	38	35	71	17
Ballymoney river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	0	0	0	0	0	0	0	0
Ballinderry river	353	Nc	Prt51	Nc	66	3	260	22	183	33	160	11	107	19	188	16
Moyola river	Nc	NC	Prt12	Nc	Nc	Nc	72	14	52	15	50	20	26	8	58	17
Blackwater river	33	4	Prt44	Prt1	39	1	60	12	115	9	111	9	133	17	92	9
Upper Bann river	Nc	Nc	Prt10	Prt9	14	18	102	23	10	14	26	13	24	20	9	7
Six Mlle Water	90	4	Prt91	Nc	88	9	484	105	N/c	N/c	56	0	715	71	793	44
Main River	39	8	52	4	30	9	37	14	23	8	48	9	43	14	23	4
Fane river	Nc	Nc	8	3	Nc	Nc	4	3	Fane	N/c	N/c	8	9	0	0	3
Creggan river	0	3	0	6	0	3	7	4	Cregg	0	8	14	5	12	3	0
Cully water	4	0	4	0	0	0	3	Nc	Cully	2	2	0	1	7	Nc	Nc
Forkhill river	Nc	Nc	3	1	0	0	8	5	Forkhi	7	5	7	2	5	5	Nc
Clanrye river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc								
Moygannon river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc								
Ghann river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc								
Cassy water	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc								
Whitewater river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc								
Kilbroney river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc								
Flurry river	0	2	Nc	Nc	0	1	5	4	6	0	2	2	2	1	4	0
Kilkeel river	Nc	Nc	29	3	32	27	53	27	11	31	18	7	82	36	93	30
Mullagh River	Nc	Nc	13	0	Nc	Nc	19	6	16	36	11	4	N/c	Nc	46	9
Annalong river	Nc	Nc	19	1	31	5	Nc	Nc	18	42	46	13	52	19	40	10
Glen river	Nc	Nc	3	0	3	0	4	Nc	2	1	2	0	4	0	6	0
Shimna system river	18	6	62	6	69	57	81	32	20	97	67	41	156	77	107	48
Carrigs river (trout includes seatrout)	Nc	Nc	23	1	Nc	Nc	44	6	N/c	N/c	18	9	29	19	Nc	Nc
Moneycarragh river	50	13	25	3	54	9	35	12	9	35	20	9	83	27	54	24
Ardilea river	Nc	Nc	Nc	Nc	18	0	10	6	10	16	25	4	27	13	Nc	Nc
Blackstaff river	Nc	Nc	Nc	Nc	15	12	25	2	8	17	34	12	32	14	Nc	Nc
Quoile river	Nc	Nc	Nc	Nc	42	0	124	Nc	N/c	N/c	61	0	97	0	101	0
Dibney river	Nc	Nc	Nc	Nc	46	9	Nc	Nc	N/c	N/c	10	0	16	0	7	0
Comber river	Nc	Nc	Nc	Nc	Nc	Nc	40	Nc	N/c	N/c	22	0	18	0	16	0
Killinchy (Blackwater) river	Nc	Nc	Nc	Nc	20	0	Nc	Nc	N/c	N/c	35	0	Nc	Nc	N/c	N/c
Lagan river	67	39	Nc	Nc	7	14	144	24	10	1	26	6	19	4	8	0

	1998		1999		2000		2001		2002		2003		2004		2005	
	Trout	Salmon														
Bush river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	50	54	0	0	Nc	45	Nc	Nc
Dall river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	12	9	0	0	Nc	7	Nc	Nc
Margy river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	3	45	0	0	Nc	44	Nc	Nc
Glenariff river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	24	17	0	0	Nc	13	Nc	Nc
Dun river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	5	24	0	0	Nc	44	Nc	Nc
Carnlough river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	N/c	N/c	0	0	Nc	Nc	Nc	Nc
Glencloy river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	N/c	N/c	0	0	Nc	Nc	Nc	Nc
Glenarm river	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	N/c	N/c	0	0	Nc	Nc	Nc	Nc
Crumlin River	Nc	Nc	3	9	42	6	57	3								
Glenavy River	Nc	Nc	48	0	78	4										
Glynn River	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	3	2	5	1	15	0	12	8
Dunore River	Nc	Nc	0	0												
Kilroot River	Nc	Nc	Nc	Nc	Nc	Nc	Nc	Nc	4	1	Nc	Nc	7	0	4	6
Woodburn River	Nc	Nc	0	0												
Threemile River	Nc	Nc	12	0	11	2										

	2006		2007		2008		2009		2010	
	Trout	Salmon	Trout	Salmon						
Colebrook river	N/c	N/c	N/c	N/c						
Hollybrook river	N/c	N/c	N/c	N/c						
Finn river	N/c	N/c	N/c	N/c						
Swalinbar river	N/c	N/c	N/c	N/c						
Arney river	N/c	N/c	N/c	N/c						
Sillees river	N/c	N/c	6	0						
Erne river (Salmon counts include sea trout)	0	4	0	6						
Garvary river	74	74	196	31						
Termon river	0	8	85	16	n/c	22	n/c	26	n/c	14
Bannagh river	N/c	N/c	15	0						
Kesh river	N/c	N/c	68	0						
Ballinamallard river	N/c	N/c	N/c	N/c						
Ardees river	N/c	N/c	0	0						
Tullyfad river	N/c	N/c	27	0						
Drumnavanty river	N/c	N/c	16	3						
Derryona River	12	0	16	0						
Barnes River	5	0	6	0						
Tullymore river	52	1	241	2						
County river	N/c	5	15	5						
Roogagh river	N/c	8	29	12						
Aghamuldowney river	17	0	23	0						
Ellot's river	6	0	27	0						
Mart river	13	0	14	0						
Ruskitt river	12	0	12	0						
O'Brien's River	N/c	N/c	47	0						
Macosquin river	55	12	55	24						
Agivey River	90	46	63	40						
Aghadowey River	15	5	23	15						
Clady river	59	24	87	39						
Ballymoney river	0	0	0	0						
Ballinderry river	264	21	313	33	274	37				
Moyola river	45	18	33	12	13	9				
Blackwater river	20	10	13	27	15	2				
Upper Bann river	7	6	0	0	8	N/c				
Six Mile Water	151	11	139	11	215	16				
Main River	N/c	N/c	0	0						
Fane river	N/c	N/c	0	0	0	0				
Creggan river	N/c	N/c	0	0	0	0				
Cully water	N/c	N/c	0	0	0	0				
Forkhill river	Nc	4	2	0	0	0	0			
Clanrye river										
Moygannon river										
Ghann river										
Cassy water										
Whitewater river										
Kilbroney river										
Flurry river	0	0	4	0						
Kilkeel river	89	38	58	95	73	20				
Mullagh River	105	16	38	55	N/c	N/c				
Annalong river	55	19	48	69	39	19				
Glen river	9	0	5	1	6	0				
Shimna system river	235	111	81	156	55	29				
Carrigs river (trout includes seatrout)	87	27	34	61	22	2				
Moneycarragh river	79	46	14	24	44	17				
Ardilea river	41	19	11	29	32	13				
Blackstaff river	49	18	9	22	28	8				
Quoile river	160	0	99	0	48	0				
Dibney river	N/c	N/c	0	0	N/c	N/c				
Comber river	N/c	N/c	0	0	N/c	N/c				
Killinchy (Blackwater) river	N/c	N/c	0	0	N/c	N/c				
Lagan river	N/c	N/c	0	0	N/c	N/c				

	2006		2007		2008		2009		2010	
	Trout	Salmon	Trout	Salmon						
Bush river	Nc	Nc	Nc	246	N/c	113	n/c	158	n/c	156
Dall river	Nc	Nc	Nc	Nc	N/c	N/c				
Margy river	Nc	Nc	Nc	Nc	N/c	N/c				
Glenariff river	Nc	Nc	Nc	Nc	N/c	N/c				
Dun river	Nc	Nc	Nc	Nc	N/c	N/c				
Carlough river	Nc	Nc	0	0						
Glencloy river	Nc	Nc	0	0						
Glenarm river	Nc	Nc	0	0						
Crumlin River	N/c	N/c	N/c	N/c	N/c	N/c				
Glenavy River	47	3	55	2	6	3				
Glynn River	14	4	16	5	17	0				
Dunore River	N/c	N/c	N/c	N/c	32	4				
Kilroot River	10	3	12	4	9	2				
Woodburn River	N/c	N/c	N/c	N/c	N/c	N/c				
Threemile River	14	3	N/c	N/c	N/c	N/c				