

Council

CNL(10)27

***Annual Report
on Actions Taken Under Implementation Plans***

***EU – Ireland
(revised)***

Annual Report on actions taken under Implementation Plans for the Calendar Year 2009

The Guidelines for the preparation of 'Implementation Plans and for Reporting on Progress', NSTF(06)10 (copy attached) indicate that the primary purpose of the annual reports is to provide a summary of all the actions that have been taken under the Implementation Plan in the previous year. In addition, details of any significant changes to the status of stocks, new factors affecting stocks, any changes to the management regime in place, and any changes to the Implementation Plan should be included in the report. Details of actions taken in accordance with Articles 14 and 15 of the Convention are also needed by the Council. **Please provide the following information to the Secretariat by 2 April 2010**

Section 1: Details of any significant changes to the management outlined in the introduction to the Implementation Plan.

There have been no major changes to the management plan as outlined in the Implementation Plan. Incidence of *Anasakis simplex* in catches in 2009 appeared to be less than in previous years but the situation continues to be monitored.

Section 2: A description of any significant changes in the status of stocks and information on catches. The Council has asked that the following information on catches be provided:

- (a) the provisional catch of salmon in tonnes for 2009;
- (b) the confirmed catch of salmon in tonnes for 2008;
- (c) an estimate of unreported catch in tonnes for 2009;
- (d) the number of salmon caught and released in recreational fisheries in 2009.

Provisional catch for 2009 = 68t
Confirmed catch 2008 = 89t
Estimated unreported = 6.8t
Reported catch and release = 10,625

Section 3: A description of any new factors which may significantly affect the abundance of salmon stocks.

No new factors have emerged which might significantly affect abundance of salmon stocks in Ireland.

Section 4: An account of all actions taken under the Implementation Plan with regard to the management of salmon fisheries; habitat protection and restoration; aquaculture and related activities (not required in 2010); and other influences affecting salmon abundance or diversity (including the marine environment).

Management Action	Reporting Update	Achieved Management Action (Yes, No, Ongoing, Completed)
Fisheries Management		
MGT 1 Collection of catch statistics	Commercial, recreational catch statistics Catch statistics for 2009 fishery have been derived and provided by the Central Fisheries and regional Fisheries Boards (CFB/RFB) and Loughs Agency (LA) for analysis by the Standing Scientific Committee for Salmon (SSC)	YES.
MGT 2 Collection of biological data:	Escapement, survival, exploitations rates. Data for 2009 assessment collected (tag recoveries, trap information, electrofishing data) Marine Institute (MI), CFB/RFBs,	YES.
MGT 3 Scientific assessment	Individual river catch options with risk analysis. The status of all of Ireland's rivers relative to the attainment of conservation limits has been reported by the SSC for 2010 i.e. 66 rivers meeting CL with harvest fishery allowed, 16 meeting 65% with C&R fishery allowed and 66 below 65% CL no fishing advised. 4 hydro rivers below CL.	YES.
MGT 4 Management advice	Recommendations for fishery management options Catch advice has been provided for regulations for the 2010 fishery in line with the precautionary	YES.

	approach and NASCO guidelines (SSC)	
MGT 5 Departmental consideration of advice	Draft regulations Regulations for the 2010 fishery have been drafted and implemented by the Department of Communications Energy and Natural Resources (DCENR)	YES.
MGT 6 Stakeholder consultation	Regulations A one month consultative public consultation process has been completed for the 2010 fishery.	YES.
MGT 7 Implementation of regulations	Good order in salmon fishery for 2010	ONGOING
MGT 8 Government decision to prohibit mixed stock fisheries at sea	Introduction of Salmon Hardship Scheme for commercial salmon fishermen. Cessation of mixed stock fishing at sea since 2006.	COMPLETED.
MGT 9 Move from district management of stocks to river specific management	Regulations allowing harvests only on river stocks meeting Conservation Limits. Scientific and management advice based on individual river assessments with age defined CLs for 16 rivers (SSC) Regulations for 2010 will only allow harvest in rivers meeting and exceeding CL. (DCENR)	COMPLETED.
MGT 10 Introduction of Salmon Licence Conservation component for all licence holders	Earmarked funding for rehabilitation of salmon stocks giving priority to rivers below their Conservation Limits, Special Areas of Conservation (SAC) and which have the greatest prospect of recovery. New monitoring and management initiatives for specific rivers being funded	ONGOING
MGT 11 and 16 Continuation of wild salmon fishery management initiatives	Increased salmon stock monitoring activities e.g. new counters. Three new counters installed since 2007s (CFB)	ONGOING
	Catch and release evaluation studies evaluation of C&R – report	ONGOING

	due in 2010 (CFB) Pilot e-licensing scheme In preparation (DCENR/CFB/RFB)	ONGOING
	Development and application of juvenile stock abundance electro- fishing index Catchment wide electrofishing results now used in annual assessment to support catch data. (CFB/RFB)	ONGOING
	Calibration of partial fish counters Programme of validation of existing counter underway using PIT and telemetric tags (Boyne, Liffey, Slaney, Suir) (CFB/RFB, MI)	ONGOING
	Development and application of new rod exploitation estimation methods. Provisional assessment of the appropriateness of the current raising factor (SSC)	ONGOING
MGT 12 Improve accuracy of river wetted areas with increased number of stream and river measurements	Development of new marine survival indices for wild stocks. New sample sites identified. (MI) Improved estimation of river specific Conservation Limits for catch advice and management of stocks New estimates derived to be applied for the 2011 assessment and catch advice (MI, SSC)	ONGOING
MGT 13 and 17 Development and appraisal of a forward running forecast model using Bayesian approach and application in 2009	Forecast model for individual river catch options to provide more robust estimate of stock abundance in fishery year and catch options Model has been developed in 2009 and 2010 for NEAC and will be examined for suitability for providing multi-year forecast for Irish stocks in 2011 or 2012 (MI, SSC)	ONGOING
MGT 14 Investigate adaptive river specific management strategy to account for run timing and	Scientific advice on in- season adaptive	ONGOING

individual stock components

MGT 15 Genetic investigation of stocks contributing to in-river and estuarine commercial fisheries

management. Currently being investigated (MI, SSC)

Scientific advice on the operation of fisheries in specific rivers and estuaries. Genetic data applied in 2009 for the advice leading to the amalgamation of some small rivers/tributaries with larger rivers if genetically similar (RFB/CFB SSC)

ONGOING

Habitat Protection and Restoration

HAB1 National assessment of water quality impacts on fish stocks including salmonids and habitats is currently carried being out under the WFD. This includes the designation of hundreds of operational sites (fish communities only) and surveillance sites (includes all parameters) which have been categorized by specific habitat type and quality.

Specific targets for habitat quality have been set under the WFD which must be met. Implementation of certain corrective measures from a programme of measures arising from these evaluations. Requirements for monitoring under the WFD have been met for 2009 (Department of Environment, DOE &CFB&RFBs)

YES.

HAB 2 River management plans being prepared for each river and the threats to individual river habitat will be identified

Threats will be identified and prioritized. Plans launched for Rivers Shannon and Lee. A National Report is in preparation by the CFB/RFB

ONGOING

HAB 3 Funding for remedial measures to be raised from the angling levy contributing to the Salmon Conservation Fund and Wild salmon fishery management initiatives - additional government funding

Remedial actions to be taken on specific prioritized rivers Including 3 fish passage improvement projects & 32 river habitat rehabilitation projects Projects are ongoing (DCENR, RFB/CFB)

ONGOING

HAB 4 Update the NASCO rivers database

Update or improve the information on habitats NASCO database is regularly assessed and updated if necessary (CFB)

ONGOING

HAB 5 Improve the

More precise estimate of

ONGOING

quantification of the National Freshwater Habitat Asset

habitat sizes and types for estimation of CLs and river specific management and catch advice.

New data available and will be implemented for 2011 season advice (MI, CFB/RFB, SSC)

HAB 6 OPW drainage plans Habitat rehabilitation on all drained rivers channels

Restoration of spawning and nursery areas on targetted drained rivers. Many Irish salmon rivers were subjected to arterial drainage schemes over the past forty years and as a result, the productive capacity of these river for salmon has been impacted. In 2009, the OPW began a programme of habitat rehabilitation of drained rivers to increase their capacity to produce juvenile salmonids. The initial five year work programme is being conducted in conjunction with the CFB. The habitat rehabilitation programme includes input of instream structures, creation of pools and spawning areas and bankside fencing and planting. (CFB/RFB OPW

ONGOING

HAB 7 As part of a Water Framework Directive initiative, the Shannon River Basin District is undertaking a review of the extent to which the morphology of Irish rivers has been damaged.

A report is in preparation (DOEHLG) for Government on recommendations for river enhancement with a view to implementing the requirements of the Water Framework Directive

ONGOING

Aquaculture and related activities
(only required if a jurisdiction wishes to supplement its FAR or has not submitted a FAR)

AQ1 Monitor the escapes of salmon annually from commercial and recreational fisheries

Report on number of escapes. Advise on mitigation actions including installation of temporary traps or netting to remove escapees

ONGOING

AQ2 Action plan developed for responding to large scale

Specific advice on mitigation measures including insertion of

ONGOING

escapes

traps and netting in specific areas to remove escapee salmon
Information on escapees in Irish catches and freshwaters has been provided for the 2009 season to ICES WGNAS/NASCO.
An action plan is under development
(DAFF, MI)

AQ 3 Monitoring of all commercial fin fish farms for sea lice 14 times per year, twice during March to May. Monthly for the remainder of year with the exception of December and January where a single inspection is carried out. One random and two standard cages are sampled.

Monthly and Annual report from National Survey of sea lice on fish farms in Ireland annually published by Marine Institute. Farms are advised that when threshold levels of lice infestation occur a protocol is in place to treat the farm
Farms have been monitored for 2009 in accordance with regulatory advice (MI, DAFF). Monthly monitoring has been carried out. Results have been reported to the Department of Agriculture, Fisheries and Food (DAFF) for 2009 and 2010 to date. Farms with higher lice levels than agreed trigger levels advised to treat fish
(DAFF, MI)

YES

AQ4 Support and facilitate, in conjunction with BIM, the development and implementation of the Coordinated Local Aquaculture Management System (CLAMS) and the Single Bay Management programmes.

Development and implementation of specific plans for individual bays and feedback to the industry
CLAMs operated in 2009 and continues to operate in 2010 (DAFF, MI)

ONGOING

AQ5 Provide technical advice and support to DAFF, in connection with the conduct of annual audits of finfish farms. Evaluation of

Licence re-evaluation
Ongoing licence evaluation and re-evaluation by DAFF

ONGOING

existing licences. AQ6 Evaluation of new licences.	Requires an independent EIS and recommendation from Minister Ongoing licence evaluation and re-evaluation by DAFF	ONGOING
AQ7 Monitoring of sea lice on wild salmonids annual programme. 12 rivers in proximity of fish farms sampled annually from May to June	Report of sea lice infestation levels on wild salmonids. Monitoring continued for sample rivers in 2009. Results reported to regulating authorities. (CFB/RFBs)	ONGOING
AQ 8 and 9 Benthic monitoring at each sites	Report to department commissioned by farms - carried out by consultants. Reports received by DAFF	ONGOING
AQ 10 Annual Fish Health Monitoring Programme	Report on individual farms Reports provided to regulatory authorities as required (MI, DAFF)	ONGOING
AQ11 Review of Applications Transfer of Aquaculture Stocks between sites.	Provide statutory advice to DAFF on fish movements and veterinary medicines and fish health advice on aquaculture applications as required. All transfers of salmonids were subject to evaluation in 2009 and permission granted where conditions were satisfied. (DAFF, MI)	YES
AQ 12 Examination of required fish health management plans	Advice to Department of Agriculture, Fisheries and Food Plans have been reviewed by MI and DAFF for 2009 and 2010	YES
AQ 13 Provide certification to allow the export of live fish and ova to the EU and Third Countries (approximately 50 site visits per year).	Certificates and advice All required certificates were issued in 2009 (DAFF, MI)	YES
AQ 14 Provide technical advice on internal fish movements and on fish disease	Advice on internal transfers and database of introductions and transfers from hatcheries to rivers.	YES

issues. Send recommendations to DCMNR as required. Monitoring of hatchery introductions to wild rivers

Up to 200 certificates are issued each year
Technical advice received from Marine Institute, BIM and CFB for applications in 2009

AQ 15 SUMBAWS EU Experimental programme on the distribution and dispersal of sea lice larvae in relation to finfish aquaculture

Report to EU
Scientific publications in preparation on the efficacy of lice treatments and survival of experimental groups of hatchery salmon released into the wild. (MI, CFB)

ONGOING

AQ 16 Interdepartmental review of the control and monitoring protocols including high level participation by relevant state agencies

Report and recommendations for management and control of salmon farms and sealice
Review group established reviewing risk based assessments of aquaculture activities by the DAFF

NO

AQ17 Genetics of introductions etc

Advice on introductions of hatchery reared salmonids into the wild
Ongoing provision of advice from state agencies involved in genetic monitoring of wild and farmed stocks. (MI, CFB)

ONGOING

Other influences affecting salmon abundance or diversity (including marine environment)

Marine Survival

Poor marine survival noted in 2009. This is being monitored nationally and also under SALSEA MERGE, an EU funded programme.

Ongoing (full report on SALSEA due for publication in 2011).

Details of any laws, regulations and programmes that have been adopted or repealed since the last notification;

The Minister of State at the Department of Communications, Energy and Natural Resources, Mr Conor Lenihan, T.D., made the following Regulations and Bye-laws which, provide for the conservation and management of the wild salmon fishery in 2010 and changes to on the spot fines and certain licences.

The Wild Salmon and Sea Trout Tagging Scheme Regulations 2009. S.I. No. 557 of 2009



The Regulations provide for, among other things, the quotas of fish that can be harvested by commercial fishing engines and rod and line from those rivers identified in the Regulation. The Regulations also provide for the use of brown tags in specified rivers.

Conservation of Salmon and Sea Trout Bye-law No. 863, 2009. (Catch and Release)

This Bye-law specifies the rivers in which angling is permitted on a catch and release basis only and associated conditions.

Conservation of Salmon and Sea Trout (Bag Limits) Bye-law No. 864, 2009. (Bag Limits)

This Bye-law provides for the annual, season and daily bag limits for the 2010 season. The Bye-law also provides for the use of single hooks and prohibits the use of worms as bait once the specified number of fish under the respective bag limits have been caught in the specified periods.

Conservation of Salmon and Sea Trout (Closed Rivers) Bye-law No. C.S. 304, 2009. (Closed Rivers)

This Bye-law prohibits angling for salmon and sea trout over 40cm in specified rivers.

Conservation of Salmon and Sea Trout Bye-law No. 865, 2009. (Newport River) (Lough Beltra)

This Bye-Law restricts angling to catch and release in respect of Salmon and Sea Trout (over 40 cm) in the Newport River (Lough Beltra) during the period 1 January to 11 May, 2010 and thereafter incorporates the provisions of the existing annual bag limit.

Conservation of Salmon and Sea Trout Bye-Law No. C.S. 305, 2009. (River Bandon)

The Bye-law provides for the prohibition on angling for salmon and sea trout (over 40cm) in the River Bandon during the period 15 February, 2010 to 11 May, 2010.

Conservation of Salmon and Sea Trout Bye-Law No. 866, 2009. (River Blackwater (Munster))

This Bye-Law provides for a bag limit of one fish in respect of Salmon and Sea Trout (over 40 cm) in the River Blackwater (Munster) during the period 1 February to 11 May, 2010.

Inland Fisheries (Fixed Payment Notice) Regulations S.I. No. 560 of 2009

These Regulations modify the system of on the spot fines in inland fisheries administered by the Regional Fisheries Boards.

Salmon Rod Ordinary Licences Alteration of Licence Duties Order 2009 S.I. No. 537 of 2009

This Order prescribes the licence fees payable from 1 January 2010 in respect of salmon rod ordinary fishing licences and the Foyle Area extension licence including a salmon conservation levy equivalent to 50% of the licence fee. The proceeds of this levy will be invested in wild salmon management initiatives designed to rehabilitate wild salmon stocks and habitats.

Special Tidal Waters (Special Local Licences) (Alteration of Duties) Order 2009. S.I. No. 538 of 2009

This Order prescribes the licence fees payable from 1 January 2010 in respect of special local salmon fishing licences, including a salmon conservation levy equivalent to 50% of the licence fee. The proceeds of this levy will be invested in wild salmon management initiatives designed to rehabilitate wild salmon stocks and habitats.

- A number of river specific conservation measures were also introduced by way of byelaw.

Details of any new commitments concerning the adoption or maintenance in force for specified periods of time of conservation, restoration and other management measures;

None

Details of any new actions to prohibit fishing for salmon beyond 12 nautical miles;

None

Details of any new actions to invite the attention of States not Party to the Convention to matters relating to the activities of its vessels which could adversely affect salmon stocks subject to the Convention;

None

Details of any actions taken to implement regulatory measures under Article 13 including imposition of adequate penalties for violations;

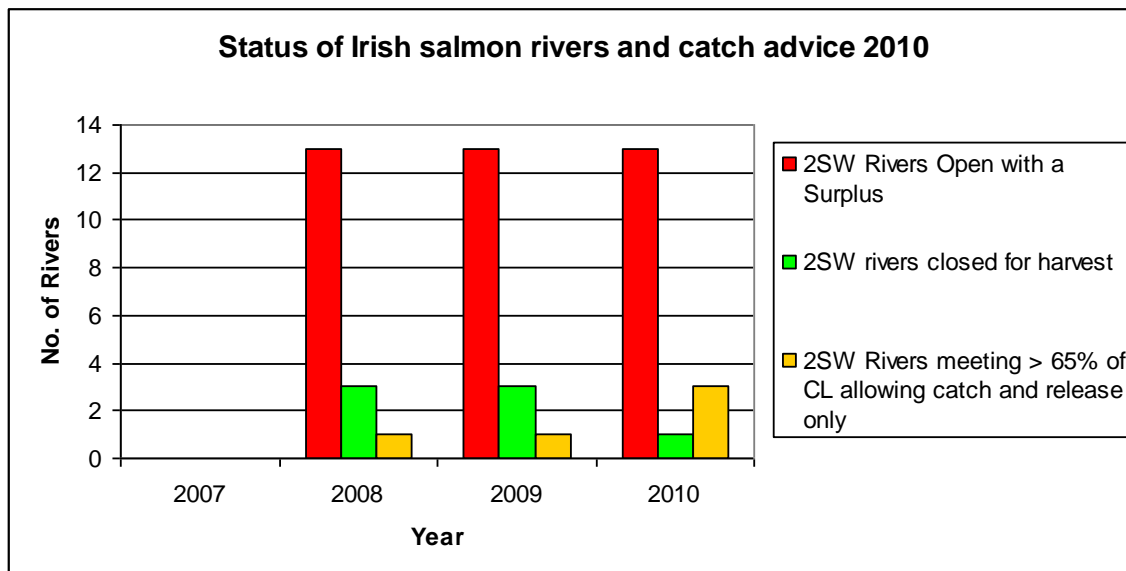
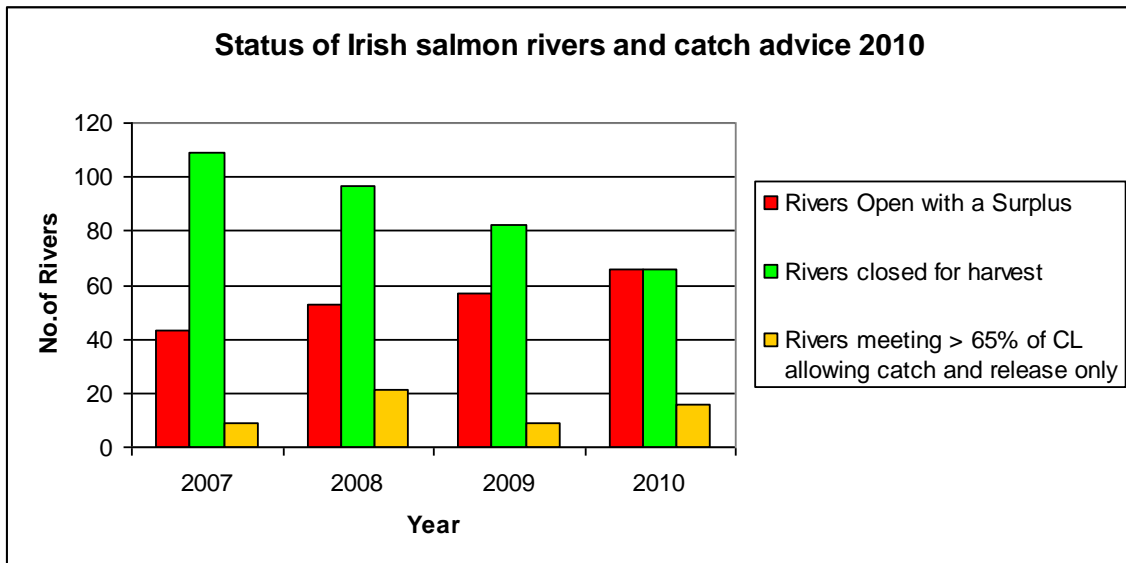
None

Section 5: Details of any proposed revisions to the Implementation Plan.

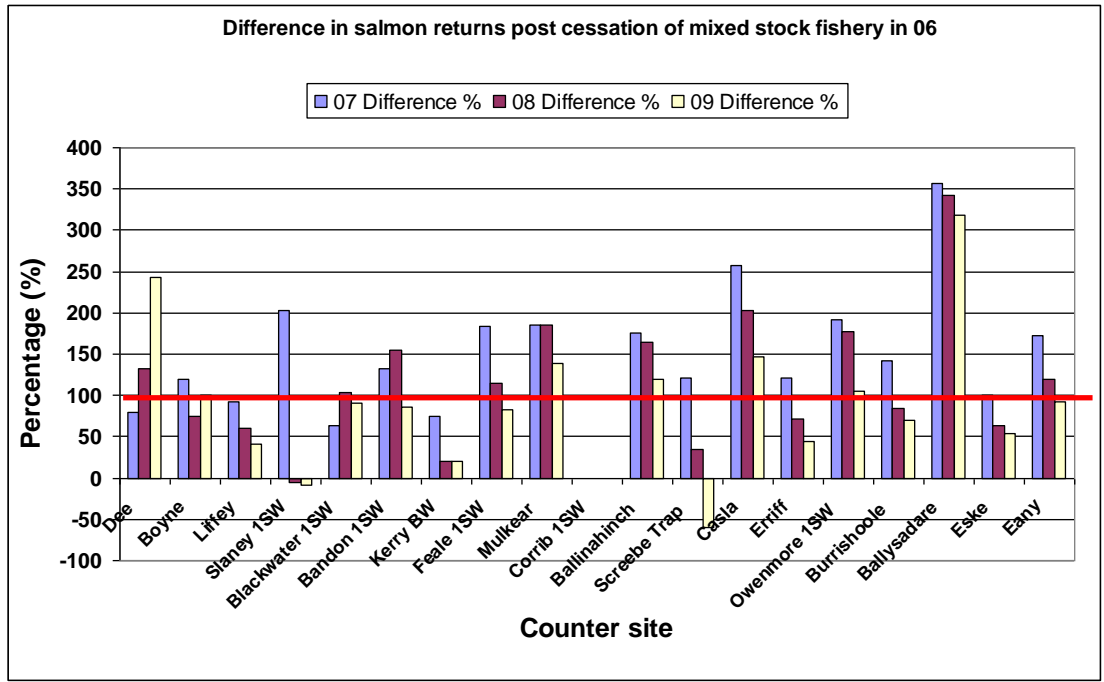
The current management structure for inland fisheries in Ireland is due to change with a new single authority (Inland Fisheries Ireland) due to take over in mid 2010. This will not result in any significant changes overtly to the management plan except in allocation of responsibilities for inland fisheries management.

APPENDICES

Appendix 1 Summary of status of Irish stocks and scientific catch advice since 2007



Appendix 2 Percentage change in returns to fish counters in Ireland following the cessation of mixed stock fishing at sea in 2006.



Appendix 3 Rivers with an identified surplus above the required Conservation Limit. This is the catch option which provides a 75% chance that Conservation Limit will be met.

District	River	Estimated returns	CL	Surplus
Dundalk	Fane	930	543	387
Waterford	Nore	14235	11958	2277
Waterford	Black Water	587	346	242
Lismore	1SW Blackwater, Glenshelane, Fi	16548	12103	4445
Cork	Owennacurra	236	179	57
Cork	Lower Lee (Cork)	3193	1184	2009
Cork	1SW Bandon counter	2254	1742	512
Cork	Argideen	507	391	116
Cork	Ille	1131	1014	117
Cork	Mealagh	265	88	176
Cork	Owwane	537	401	136
Cork	Coomhola	362	306	56
Cork	Adrigole	197	169	29
Kerry	Kealincha	143	124	19
Kerry	Lough Fada	105	91	14
Kerry	Croanshagh	377	301	76
Kerry	Sheen	721	600	121
Kerry	Roughly	2383	1245	1138
Kerry	Sneem	1114	371	742
Kerry	1SW Waterville counter	1008	336	672
Kerry	Inney	719	649	70
Kerry	Ferta	242	197	45
Kerry	1SW Caragh	1271	872	398
Kerry	1SW Laune and Cottoners	7665	2555	5110
Kerry	Owenmore	382	102	280
Shannon	Feale counter, Galey and Brick	7678	3491	4186
Shannon	Mulkear Counter	6869	5390	1479
Galway	Corrib counter	10905	7589	3315
Connemara	Cashla counter	1026	349	678
Connemara	Screebe trap	268	155	114
Connemara	Ballynahinch counter	2443	1088	1355
Ballinakill	Owenglin	730	372	358
Ballinakill	Dawros	1597	582	1014
Ballinakill	Culfin	287	144	143
Ballinakill	Erriff counter	1812	1300	512
Ballinakill	1SW Bundorragha (Wild Rod)	486	162	324
Ballinakill	Common Embayment Killary	2297	1506	791
Bangor	1 SW Newport R. (Lough Beltra)	929	523	405
Bangor	Srahmore (Burrishoole counts)	676	615	61
Bangor	1SW Owenduff (Glenamong)	2108	925	1183
Bangor	1SW Owenmore/Muinhin count	3846	947	2898
Bangor	Glenamoy	657	630	27
Bangor	Common Embayment	5954	2060	3894
Ballina	1SW Moy	38649	16974	21675
Ballina	Easky	2920	1297	1623
Sligo	Ballysadare counter	7495	5098	2397
Sligo	1 SW Garvogue (Bonnet)	2849	2262	587
Sligo	Drumcliff	590	474	115
Ballyshannon	Duff	2322	1182	1140
Ballyshannon	1 SW Drowes	2113	704	1409
Ballyshannon	Eany counter	2023	1740	283
Ballyshannon	Glen	1214	957	257
Letterkenny	Owenea and Owentocker	3096	2231	865
Letterkenny	1SW Gweebarra	1060	445	616
Letterkenny	Gweedore (Crolly R.)	704	325	380
Letterkenny	Clady	649	515	134
Letterkenny	Tullaghobegly	261	226	36
Letterkenny	Ray	448	433	15
Letterkenny	Crana	1796	1119	677

Appendix 4 2SW or “spring salmon” rivers with an identified surplus above the required Conservation Limit. This is the catch option which provides a 75% chance that Conservation Limit will be met.

District	River	Estimated returns	CL	Surplus/ Deficit
Lismore	Blackwater counter	1654	1045	609
Kerry	2SW Waterville counter	171	57	114
Kerry	2SW Caragh	519	234	285
Kerry	2SW Laune	1475	715	760
Shannon	Feale counter, Galey and Brick	1309	842	467
Galway	Corrib counter	1543	843	700
Ballinakill	2SW Bundorragha (Wild Rod)	126	42	84
Bangor	2SW Owenduff (Glenamong)	482	389	94
Bangor	Owenmore R.	1895	632	1263
Ballina	2SW Moy	6948	1188	5760
Sligo	2SW Garvogue (Bonnet)	604	566	38
Ballyshannon	2SW Drowes	665	302	364
Letterkenny	2SW Gweebarra	195	118	77

Appendix 5 The current status of rivers which are not meeting their Conservation Limits. Includes information on 2SW or “spring salmon” where indicated.

District	River	Estimated returns	CL	Deficit	% of CL
Dundalk	Castletown	190	197	-7	97
Wexford	1SW Slaney (counter)	407	609	-202	67
Waterford	Suir, Clodiagh, Lingaun	15828	16462	-633	96
Waterford	Colligan	311	338	-27	92
Cork	Glengarriff	204	229	-25	89
Kerry	Blackwater (Counter)	525	539	-14	97
Kerry	Carhan	67	93	-27	71
Kerry	Behy	104	142	-38	73
Connemara	L.Na Furnace	56	66	-11	84
Ballinakill	Bunowen	547	619	-72	88
Ballinakill	Owenwee (Belclare)	252	378	-126	67
Sligo	Grange	243	356	-113	68
Ballyshannon	Eske Counter	699	823	-124	85
Ballyshannon	Oily	396	549	-153	72
Ballyshannon	Owenwee (Yellow R)	142	184	-42	77
Letterkenny	Bracky	259	305	-47	85
Dundalk	Flurry	55	123	-68	44
Dundalk	Glyde	456	2172	-1716	21
Dundalk	Dee Counter	280	2410	-2130	12
Drogheda	Boyne counter	6762	13831	-7069	49
Dublin	Dargle	245	639	-394	38
Dublin	Vartry	102	189	-87	54
Dublin	Liffey (counter)	842	4391	-3549	19
Wexford	Avoca	1458	2959	-1500	49
Wexford	Owenavorrhagh	400	810	-410	49
Waterford	Corock R	328	734	-406	45
Waterford	Owenduff	91	201	-110	45
Waterford	Barrow and Pollmounty	4774	12117	-7343	39
Waterford	Mahon	55	442	-387	12
Waterford	Tay	126	278	-152	45
Lismore	Lickey	45	115	-69	40
Lismore	Bride	340	1379	-1039	25
Lismore	Tourig	36	90	-54	40
Lismore	Womanagh	116	293	-177	40
Kerry	Owenshagh	140	324	-184	43
Kerry	Cloonee	46	75	-29	61
Kerry	Finnihy	78	141	-63	55
Kerry	Owenreagh	65	106	-42	61
Kerry	Emlaghmore	41	73	-33	55
Kerry	Maine	696	1487	-792	47
Kerry	Emlagh	72	130	-58	55
Kerry	Owenascaul	110	193	-83	57
Kerry	Milltown	46	83	-37	55
Kerry	Feohanagh	87	157	-70	56
Kerry	Lee	324	586	-261	55

Appendix 5 continued The current status of rivers which are not meeting their Conservation Limits.

District	River	Estimated returns	CL	Deficit	% of CL
Shannon	Deel	1274	2462	-1188	52
Shannon	Maigue	783	3907	-3124	20
Shannon	Owenagarney	422	814	-392	52
Shannon	Fergus	722	2391	-1669	30
Shannon	Doonbeg	225	426	-201	53
Shannon	Skivaleen	193	372	-180	52
Shannon	Annageeragh	159	302	-143	53
Shannon	Inagh	369	1033	-664	36
Shannon	Aughyvackeen	117	226	-109	52
Galway	Aille (Galway)	44	76	-32	57
Galway	Kilcolgan	986	1682	-695	59
Galway	Clarinbridge	36	63	-27	56
Galway	Knock	69	123	-54	56
Galway	Owenboliska R (Spiddal)	310	550	-241	56
Ballinakill	Carrownisky	232	365	-133	63
Bangor	Owengarve R.	105	194	-89	54
Bangor	Muingnabo	189	351	-161	54
Ballina	Ballinglen	151	396	-245	38
Ballina	Cloonaghmore (Palmerstown)	476	1261	-785	38
Ballina	Brusna	421	1113	-692	38
Ballina	Leaffony	82	218	-135	38
Ballyshannon	Abbey	154	276	-122	56
Ballyshannon	Ballintra (Murvagh R).	210	407	-197	52
Ballyshannon	Laghy	268	479	-211	56
Ballyshannon	Bungosteen	237	418	-182	57
Letterkenny	Owenamarve	99	160	-62	61
Letterkenny	Glenna	121	207	-86	59
Letterkenny	Lackagh	580	1083	-503	54
Letterkenny	Leannan	1010	3619	-2608	28
Letterkenny	Swilly	326	1083	-757	30
Letterkenny	Isle (Burn)	297	510	-213	58
Letterkenny	Mill	159	272	-113	58
Letterkenny	Clonmany	270	465	-195	58
Letterkenny	Straid	114	196	-82	58
Letterkenny	Donagh	243	418	-175	58
Letterkenny	Glenagannon	209	355	-147	59
Letterkenny	Culoort	130	223	-93	58

Appendix 5 continued Status of 2SW salmon rivers below Conservation Limits

District	Predicted Recruits	Estimated returns	CL	Deficit	% of CL
Wexford	2SW Slaney (counter)	770	1827	-1057	42
Bangor	2SW Newport R. (Lough Beltra)	169	258	-89	66
Kerry	2SW Cumberagh (Waterville)	41	57	-17	71
Cork	2SW Bandon counter	317	332	-15	95