

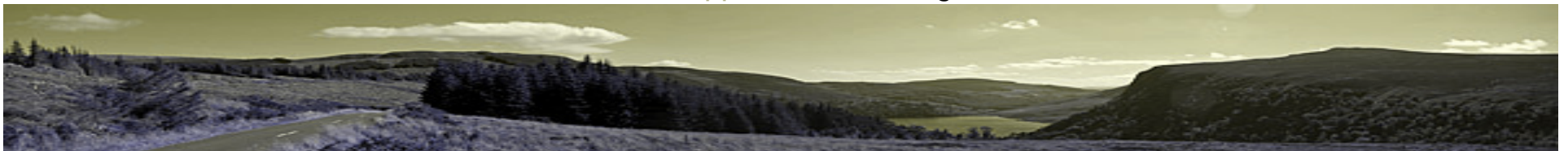
eastern
river basin district

Draft Programme of Measures

Broadmeadow WMU

-
1. Water Framework Directive
 2. Overview of Water Management Unit
 3. Status of Water
 4. Objectives
 5. Protected Areas
 6. What are the Problems to address?
 7. Programme of Measures
 8. Alternative Objectives
 9. What happens next?
 10. What can you do?

Appendix 1&2: Programme of Measures



Document Control Sheet

Project	Eastern River Basin District			
Report	Draft - Broadmeadow River and Lake Programme of Measures - for download			
Date	December 2008			
Project No: 39325		Document Reference: 39325/ERBD40/DG134 - S		
Version	Author	Reviewed	Checked	Date
Draft 1	AOC/AC	AGH	AOC	DEC 2008



Water Framework Directive

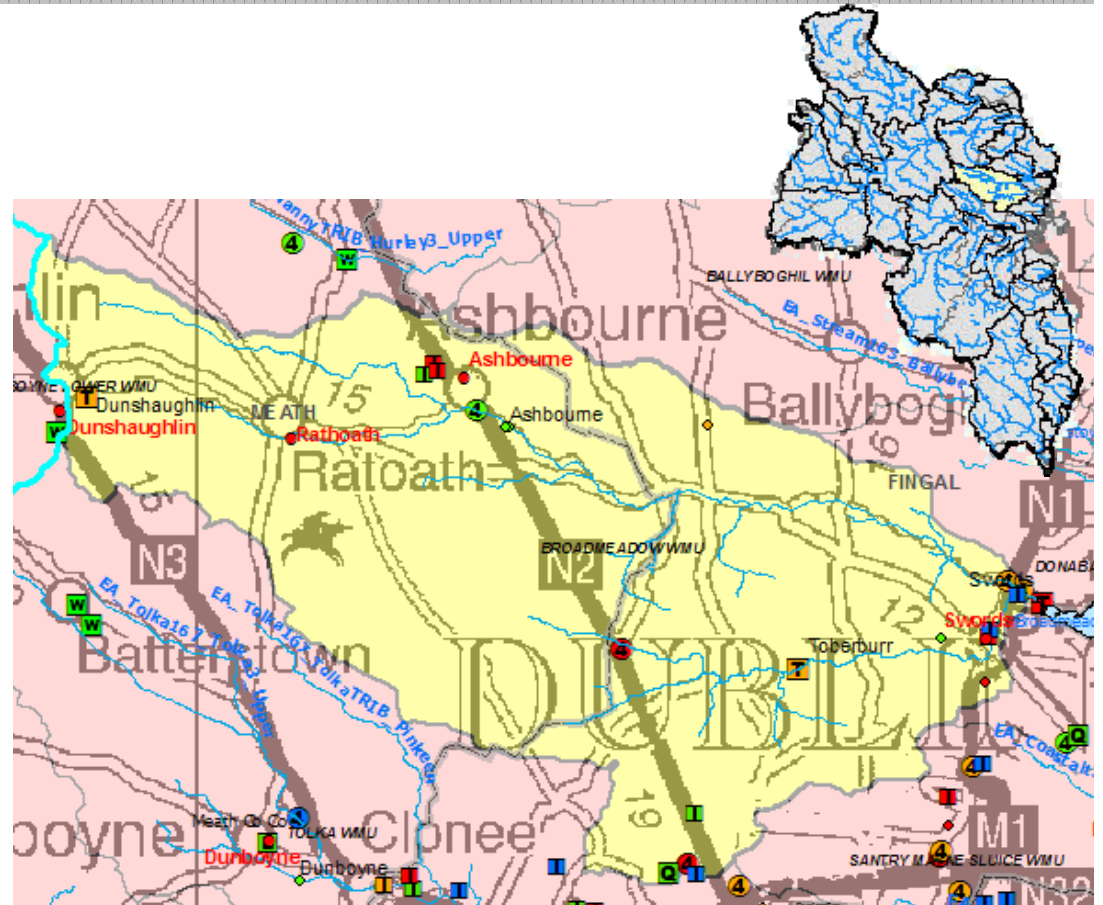
- ❑ The Draft River Basin Management Plan was published on the 22nd December 2008 for Public Consultation.
- ❑ This Programme of Measures accompanies the River Basin Management Plan created for the Eastern River Basin District.
- ❑ The River Basin Management Plan can be downloaded from the website, whilst more detail of the Programme of Measures is contained in the River Basin Management System which can be accessed through your Local Authority.
- ❑ The River Basin Management System is a web-based tool that assists Local Authorities to store information about the condition of their waters and the Programme of Measures for their improvement.
- ❑ For more information please visit www.erbd.ie



Overview of Water Management Unit

































Geography

- ❑ Local Authorities: 55% Meath, 45% Fingal
- ❑ River Length: 76 km
- ❑ Land use:
Predominantly land-use is for agriculture
 - 47% pasture use
 - 44% arable
 - urban populations cover 9% of the area for example at Ashbourne, Swords, and Rathoath.



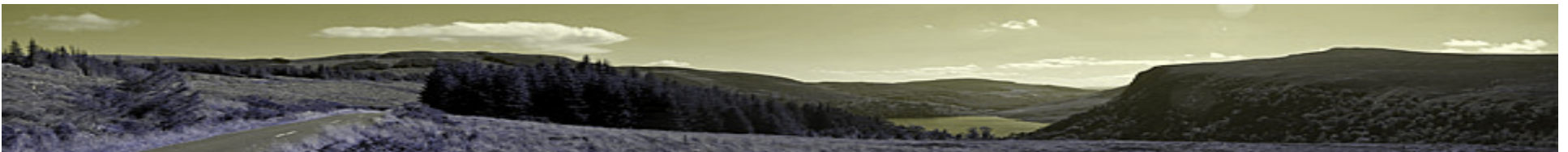
Risk Assessment Legend

See www.erbd.ie for more information on Article 5 Risk Assessment

Risk	Symbol with Level of Risk	Risk	Symbol with Level of Risk
Abstraction			
CSO	 1a  1b  2a  2b	WWTPs	 1a  1b  2a  2b
Hydrometric Station	 ACTIVE  INACTIVE  OBSOLETE	WTPs	 2a
IPC Facilities	 1a  1b  2a  2b	Landfills	 1b  2a  2b
IPC Rivers	 1a  1b  2a  2b	Mines	 1a  1b  2a
Section 4	 1a  1b  2a  2b	Quarries	 2a
Based on Article 5 Risk Assessment: 1a : At risk, 1b : Probably at risk, 2a : Probably not at risk, 2b : Not at risk			

Objectives

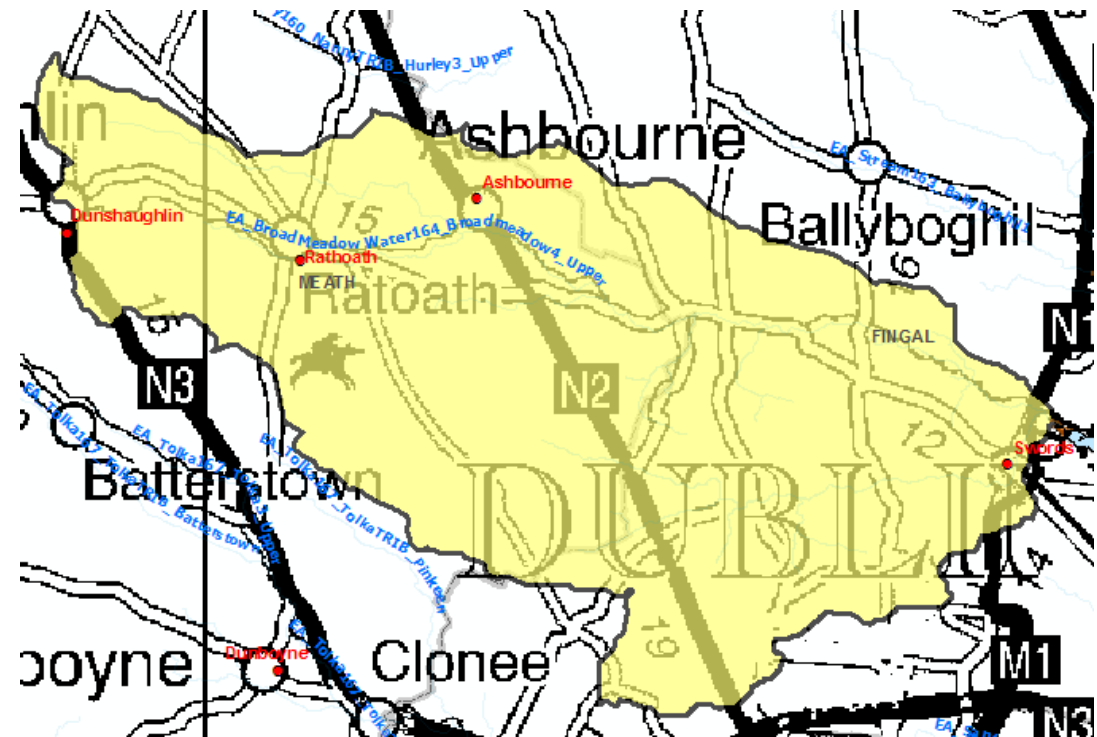
- ❑ Waters must be of satisfactory quality and sufficient quantity to protect the aquatic environment and its beneficial uses.
- ❑ We have four core objectives:
 1. Prevent deterioration and in particular maintain High or Good Status
 2. Improve waters to achieve Good Status where appropriate
 3. Progressively reduce chemical pollution
 4. Achieve our protected area objectives










Protected Areas








- Some areas require greater protection because they contain rare and vulnerable habitats or wildlife. Other protected areas are sensitive because of their beneficial use for humans, such as drinking water sources or shellfish areas.

Special Areas of Conservation (Habitat) (1)	✓	Malahide Estuary
Nutrient Sensitive Areas (1)	✓	Broadmeadow Estuary (Inner)
National Heritage Areas (1)	✓	Malahide Estuary



Protected Areas Legend

Type of Protected area	Symbol
Drinking water – Monitoring point	
Drinking Water – Rivers	
Drinking Water - Groundwater	
Drinking Water – Surface water	
Nutrient Sensitive rivers	
Nutrient Sensitive Areas	
National Heritage Areas	

Type of Protected area	Symbol
Special Protected Areas	
Special Areas of Conservation	
Beaches	
Recreational lakes	
Salmonid Waters	
Register protected Areas – Water Dependant Habitats	
Shellfish	

What are the problems to address?

In the Eastern River Basin District an online management system allows local authorities to store, assess and make Programmes of Measures on all the information emerging relating to the Water Framework Directive.

The first step is to identify any issues that might prevent us from reaching the ultimate target of 'Good Status' (please see plan for a full definition of 'Good Status').

In Broadmeadow the problems are:

- High Nutrients (Phosphorus, Ammonia)
- Low Ecological Rating
- Dredging

What could be causing these problems?

Pressure	County	% Contribution
Agriculture	Meath	50
	Fingal	45
Usage and Discharge of Dangerous Substances	Meath	5
	Fingal	1
Forestry	Meath	1
	Fingal	1
Landfills, Quarries, Mines and Contaminated Lands	Fingal	6
Wastewater and Industrial Discharges	Meath	20
	Fingal	25
Wastewater From Unsewered Properties	Meath	25
	Fingal	22
Morphological	Meath	At Risk
	Fingal	At Risk

- ❑ The upper reaches of Broadmeadow river sub-catchment are in Meath with the waters then flowing into Fingal.
- ❑ In Meath the principal pressures have been identified as Agriculture, and Wastewater and Industrial Discharges. In Meath the wastewater is pumped to Fingal sewers. Ashbourne Ratoath Kilbride sewer networks will be upgraded.
- ❑ In Fingal the principal pressures are also Agriculture and Wastewater and Industrial Discharges.

All percentages are estimated based on available data, analysis and expert judgement.

Programme of Measures

- Having assessed the current condition of our waters, the extent of areas to protect, and the risks and pressures affecting our waters, we can now determine the measures needed to bring them all back to good status.
- We must aim to achieve full implementation of all basic measures before 2015. If the implementation of all Basic Measures before 2015 will not get us to Good Status then we must select necessary Supplementary Measures.

<i>Basic Measures</i>	Measures required by law
<i>Supplementary Measures</i>	Non-statutory measures deemed necessary

- The following pages detail the proposed Programme of Measures. We have also proposed an Alternative Programme of Measures that, in light of the large number of measures to be taken, prioritises certain measures for the first cycle of the plan (2010 – 2015).
- ***Please see the Appendix for the full list of basic and supplementary measures selected in both the Proposed and Alternative Programme of Measures.***

Proposed Programme of Measures

This proposed Programme of Measures aims to achieve the 4 core objectives as described earlier by fully implementing all basic measures and also implementing supplementary measures where deemed necessary.

Basic Measures:

A full list of basic measures is listed in the Draft River Basin Management Plan. It includes the regulations enacted from the following 11 European Directives and also requires member states to create measures for 11 other issues:

11 European Directives

1. Bathing Water Directive
2. Habitats Directive
3. Birds Directive
4. Drinking Water Directive
5. Major Accidents (Seveso) Directive
6. Environmental Impact Assessment Directive
7. Sewage Sludge Directive
8. Urban Waste Water Treatment Directive
9. Plant Protection Products Directive
10. Nitrates Directive
11. Integrated Pollution Prevention Control Directive

11 Other Basic Measures

1. Cost recovery for water use
2. Measures to promote efficient and sustainable use
3. Protection of drinking water sources
4. Control of abstraction and impoundment
5. Authorisation of discharges to groundwater
6. Control of point source discharges
7. Control of diffuse source pollution
8. Control of priority substances
9. Control of physical modifications of surface waters
10. Controls on other activities impacting water status
11. Prevention or reduction of the impact of accidental pollution incidents

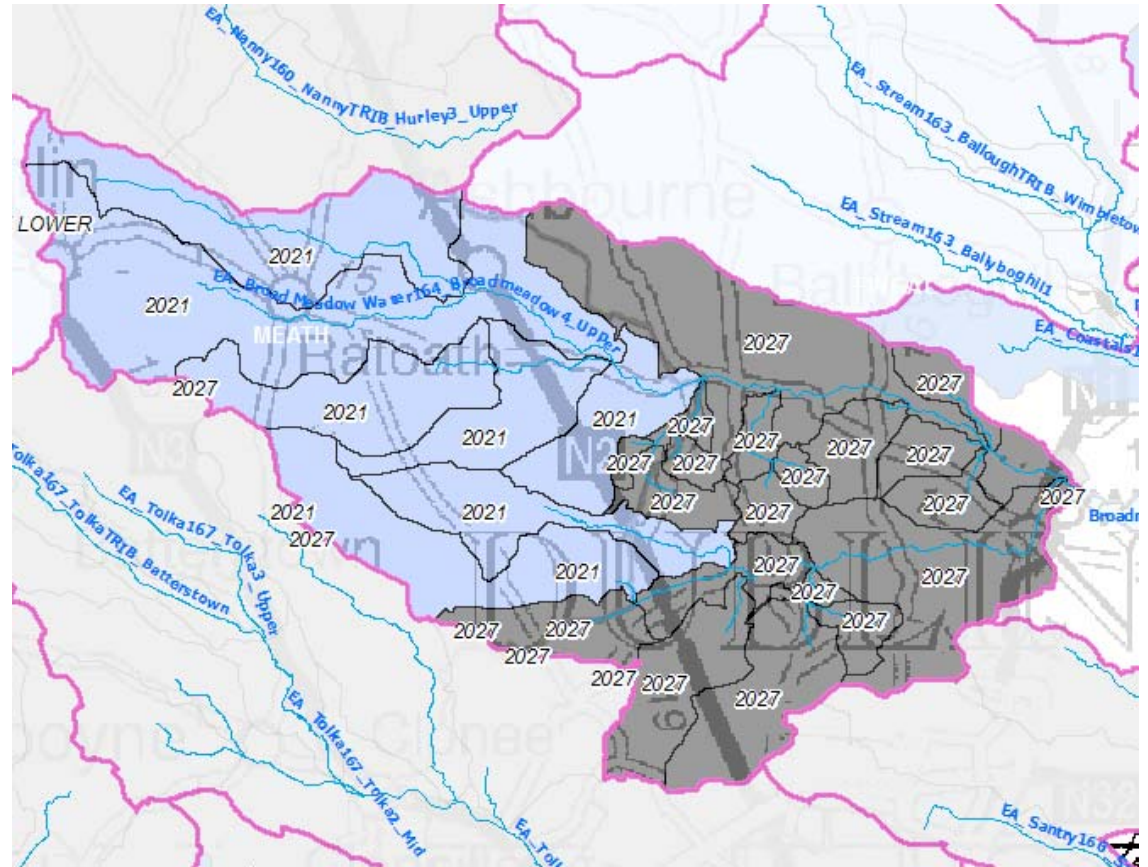
Proposed Programme of Measures - Rivers

□ Supplementary Measures (In descending order of cost):

Top Ten Supplementary Measures - Liffey River Sub-catchment
Diffuse Runoff (Urban) - Storm Sewers Separation (Screening & Treatment)
CSO - Upgrades and Rehabilitation
Enforce Regulations on Septic Systems
Improve Removal of certain parameters at WWTP
Implement Community Digestors for Alternative Energy
Restrict Cattle Access to rivers - Create Cattle Drinking points
Diffuse Runoff (Urban) - Implement SUDS
Diffuse Runoff (Urban) - Gullies Management
Diffuse Runoff (Urban) - Street Cleaning Programme
PCS - Principles for Good Plant Protection Practise

Alternative Objectives – Extended Timescale

- In some cases due to technical infeasibility, disproportionate cost, the natural condition of the waterbody or new physical modifications it may not be possible to achieve all core objectives by 2015.
- The main pressure preventing achievement of Good Status is thought to be diffuse agricultural and septic tank pollution as well as some rivers exhibit a naturally high level in nutrient. Full implementation of the measures is expected to correct this, however recovery time will mean that probably no rivers will achieve Good Status before 2015.



2015	0%
2021	26%
2027	100%

The percentage status is determined by the number of reportable segments or subbasins. For this reason the percentage might not seem representative.

What can you do?

You have your say!

- Now is your chance to have a say on the Programme of Measures:
 - Have all issues been addressed?
 - Do you have any measures to add to the proposed Programme of Measures?
 - What do you think about the Alternative Programme of Measures?
 - Would you spend more to achieve our goals faster?

- We can all help to implement this important legislation by thinking about our impact on the water environment in our everyday lives.



How to comment

Please *have your say* in any of the following ways:

1. Email your comments to comments@erbd.ie and include River Basin Management Plan Comments in the subject line

2. Write to:

River Basin Management Plan Comments

Project Co-ordinator

Eastern River Basin District Project Office

Dublin City Council

68-70 Marrowbone Lane, 4th Floor

Dublin 8



Appendix 1:

Proposed Programme of Measures



Programme of Measures Key

ABS	Abstractions
AGR	Agricultural Point and Diffuse Sources
AGR-PS	Unlicensed Agricultural Point Sources
Chem	Chemical Fertiliser
CROSS	Planning, Development and other sources
DLRCC	Dun Laoghaire Rathdown County Council
DS	Dangerous Substances
ECO	Poor Ecology
FOR	Forestry
IPPC	Industrial Sources
Manure	Manure Fertilisers
MORP	Intensive Land use
S4	Local Authority Licensed Discharges
WWTP	Wastewater Treatment Plants
DATA+	An Absence of sufficient data
HS	To Protect High Status Waters
Septic	Onsite Wastewater Treatment Systems
U-DIFF	Urban Diffuse Pollution

Proposed Programme of Measures

– Basic Measures for Rivers

Local Authority	Parent ID Name	MeasureName	Source
FINGAL	Quality of Surface Water intended for the Abstraction of Drinking Water (S.I. 294 of 1989)	Quality of Surface Water intended for the Abstraction of Drinking Water (S.I. 294 of 1989)	ABS
FINGAL	National Water Pricing Policy Framework (1998)	National Water Pricing Policy Framework (1998)	ABS
FINGAL	Water Supplies Act 1942	Water Supplies Act 1942	ABS
FINGAL	EC (Good Agricultural Practice for Protection of Waters) Regulations (S.I. 378 of 2006 and S.I. 526 of 2007)	EC (Good Agricultural Practice for Protection of Waters) Regulations (S.I. 378 of 2006 and S.I. 526 of 2007)	AGR
FINGAL	Bathing Water Quality Regulations (S.I. 79 of 2008)	Bathing Water Quality Regulations (S.I. 79 of 2008)	CROSS
FINGAL	EC (Drinking Water) (No 2) Regulations (S.I. 278 of 2007)	EC (Drinking Water) (No 2) Regulations (S.I. 278 of 2007)	CROSS
FINGAL	EC (Environmental Impact Assessment) Regulations and amendments (S.I. 349 of 1989 onwards)	EC (Environmental Impact Assessment) Regulations and amendments (S.I. 349 of 1989 onwards)	CROSS
FINGAL	EC (Quality of Salmonid Water) Regulations (S.I. 293 of 1988)	EC (Quality of Salmonid Water) Regulations (S.I. 293 of 1988)	CROSS
FINGAL	Planning and Development Regulations 2001 - 2007	Planning and Development Regulations 2001 - 2007	CROSS
FINGAL	EC (Control of Major Accident Hazards Involving Dangerous Substances) Regulations (S.I. 74 of 2006)	EC (Control of Major Accident Hazards Involving Dangerous Substances) Regulations (S.I. 74 of 2006)	DS
FINGAL	EC (Authorisation, Placing on the Market, Use and Control of Plant Protection Products), 2003 and amendments	EC (Authorisation, Placing on the Market, Use and Control of Plant Protection Products), 2003 and amendments	DS
FINGAL	EC (Classification Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations, 2001	EC (Classification Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations, 2001	DS
FINGAL	EC (Prohibition of certain active substances in plant protection products) Regulations, 1981 and amendments	EC (Prohibition of certain active substances in plant protection products) Regulations, 1981 and amendments	DS

Proposed Programme of Measures – Basic Measures for Rivers (cont.)

Local Authority	Parent ID Name	MeasureName	Source
FINGAL	EU Regulations Registration, Evaluation, Authorisation and Restriction of Chemical substances (REACH) (1907/2006/EC)	EU Regulations Registration, Evaluation, Authorisation and Restriction of Chemical substances (REACH) (1907/2006/EC)	DS
FINGAL	Framework for Major Emergency Management, Office of Emergency Planning, 2006	Framework for Major Emergency Management, Office of Emergency Planning, 2006	DS
FINGAL	EC (Aerial Fertilisation) (Forestry) Regulations 2006 and amendment 2007	EC (Aerial Fertilisation) (Forestry) Regulations 2006 and amendment 2007	FOR
FINGAL	EPA (Licensing) Regulations, 1994 & 2004	EPA (Licensing) Regulations, 1994 & 2004	IPPC
FINGAL	Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 - 2001	Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 - 2001	Manure
FINGAL	Forestry Act 1946 and 1988	Forestry Act 1946 and 1988	Manure
FINGAL	Local Government (Water Pollution) Act 1 of 1977 and amendments	Local Government (Water Pollution) Act 1 of 1977 and amendments	S4
FINGAL	Urban Waste Water Treatment Regulations, 2001 - 2004	Urban Waste Water Treatment Regulations, 2001 - 2004	WWTP
FINGAL	Waste Water Discharge (Authorisation) Regulations (S.I. 684 of 2007)	Waste Water Discharge (Authorisation) Regulations (S.I. 684 of 2007)	WWTP
FINGAL	Water Services Act 2007	Water Services Act 2007	WWTP
MEATH	Quality of Surface Water intended for the Abstraction of Drinking Water (S.I. 294 of 1989)	Quality of Surface Water intended for the Abstraction of Drinking Water (S.I. 294 of 1989)	ABS
MEATH	National Water Pricing Policy Framework (1998)	National Water Pricing Policy Framework (1998)	ABS
MEATH	Water Supplies Act 1942	Water Supplies Act 1942	ABS
MEATH	EC (Good Agricultural Practice for Protection of Waters) Regulations (S.I. 378 of 2006 and S.I. 526 of 2007)	EC (Good Agricultural Practice for Protection of Waters) Regulations (S.I. 378 of 2006 and S.I. 526 of 2007)	AGR
MEATH	EC (Environmental Impact Assessment) Regulations and amendments (S.I. 349 of 1989 onwards)	EC (Environmental Impact Assessment) Regulations and amendments (S.I. 349 of 1989 onwards)	CROSS
MEATH	Planning Development Acts 2000 - 2006	Planning Development Acts 2000 - 2006	CROSS
MEATH	Planning and Development Regulations 2001 - 2007	Planning and Development Regulations 2001 - 2007	CROSS

Proposed Programme of Measures

– Basic Measures for Rivers (cont.)

Local Authority	Parent ID Name	MeasureName	Source
MEATH	EC (Authorisation, Placing on the Market, Use and Control of Plant Protection Products), 2003 and amendments	EC (Authorisation, Placing on the Market, Use and Control of Plant Protection Products), 2003 and amendments	DS
MEATH	EC (Classification Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations, 2001	EC (Classification Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations, 2001	DS
MEATH	EPA (Licensing) Regulations, 1994 & 2004	EPA (Licensing) Regulations, 1994 & 2004	IPPC
MEATH	Local Government (Water Pollution) Act 1 of 1977 and amendments	Local Government (Water Pollution) Act 1 of 1977 and amendments	S4
MEATH	Urban Waste Water Treatment Regulations, 2001 - 2004	Urban Waste Water Treatment Regulations, 2001 - 2004	WWTP
MEATH	Waste Water Discharge (Authorisation) Regulations (S.I. 684 of 2007)	Waste Water Discharge (Authorisation) Regulations (S.I. 684 of 2007)	WWTP
MEATH	Water Services Act 2007	Water Services Act 2007	WWTP

Proposed Programme of Measures

– Supplementary Measures for Rivers

Local Authority	Measure Name	Measure Type	Source
FINGAL	Emphasise linkage between Planning, Water Services, and Environmental Sections within Local Authorities for Planning Purposes	Proposed	CROSS
FINGAL	Conduct awareness campaign for sustainable domestic water use, including rainwater harvesting and domestic soakaways for stormwater	Proposed	ABS
FINGAL	Modernise Abstraction Legislation, including a system for licensing surface water abstractions	Proposed	ABS
FINGAL	CSO - Upgrades and Rehabilitation	Supplementary	WWTP
FINGAL	Diffuse Runoff (Urban) - Storm Sewers Separation (Screening & Treatment)	Supplementary	U-DIFF
FINGAL	Improve Removal of certain parameters at WWTP	Supplementary	WWTP
FINGAL	Diffuse Runoff (Urban) - Implement SUDS	Supplementary	U-DIFF
FINGAL	Diffuse Runoff (Urban) - Gullies Management	Supplementary	U-DIFF
FINGAL	Diffuse Runoff (Urban) - Street Cleaning Programme	Supplementary	U-DIFF
MEATH	Emphasise linkage between Planning, Water Services, and Environmental Sections within Local Authorities for Planning Purposes	Proposed	CROSS
MEATH	Department of Agriculture - Code of Good Practice and Guidelines on the use of biosolids in Agriculture, 1999	Proposed	Manure
MEATH	Conduct awareness campaign for sustainable domestic water use, including rainwater harvesting and domestic soakaways for stormwater	Proposed	ABS
MEATH	Modernise Abstraction Legislation, including a system for licensing surface water abstractions	Proposed	ABS
MEATH	Riparian Buffers	Proposed	AGR
MEATH	OPW - Environmental Drainage Maintenance Guidance Notes	Proposed	MORP
MEATH	Development Plans/Local Area Plans - Plans should integrate OSWTS Risk matrices	Proposed	Septic
MEATH	LAs to adopt a common Register of approved Site Assessors and common Code of Practice for maintaining register	Proposed	Septic
MEATH	Enforce Regulations on Septic Systems	Supplementary	Septic
MEATH	Implement Community Digestors for Alternative Energy	Supplementary	WWTP
MEATH	Restrict Cattle Access to rivers - Create Cattle Drinking points	Supplementary	AGR-PS
MEATH	PCS - Principles for Good Plant Protection Practise	Supplementary	Chem

Appendix 2:

Alternative Programme of Measures



Alternative Programme of Measures

– Basic Measures for Rivers

Local Authority	Parent ID Name	MeasureName	Source
FINGAL	Quality of Surface Water intended for the Abstraction of Drinking Water (S.I. 294 of 1989)	Quality of Surface Water intended for the Abstraction of Drinking Water (S.I. 294 of 1989)	ABS
FINGAL	National Water Pricing Policy Framework (1998)	National Water Pricing Policy Framework (1998)	ABS
FINGAL	Water Supplies Act 1942	Water Supplies Act 1942	ABS
FINGAL	EC (Good Agricultural Practice for Protection of Waters) Regulations (S.I. 378 of 2006 and S.I. 526 of 2007)	EC (Good Agricultural Practice for Protection of Waters) Regulations (S.I. 378 of 2006 and S.I. 526 of 2007)	AGR
FINGAL	Bathing Water Quality Regulations (S.I. 79 of 2008)	Bathing Water Quality Regulations (S.I. 79 of 2008)	CROSS
FINGAL	EC (Drinking Water) (No 2) Regulations (S.I. 278 of 2007)	EC (Drinking Water) (No 2) Regulations (S.I. 278 of 2007)	CROSS
FINGAL	EC (Environmental Impact Assessment) Regulations and amendments (S.I. 349 of 1989 onwards)	EC (Environmental Impact Assessment) Regulations and amendments (S.I. 349 of 1989 onwards)	CROSS
FINGAL	EC (Quality of Salmonid Water) Regulations (S.I. 293 of 1988)	EC (Quality of Salmonid Water) Regulations (S.I. 293 of 1988)	CROSS
FINGAL	Planning and Development Regulations 2001 - 2007	Planning and Development Regulations 2001 - 2007	CROSS
FINGAL	EC (Control of Major Accident Hazards Involving Dangerous Substances) Regulations (S.I. 74 of 2006)	EC (Control of Major Accident Hazards Involving Dangerous Substances) Regulations (S.I. 74 of 2006)	DS
FINGAL	EC (Authorisation, Placing on the Market, Use and Control of Plant Protection Products), 2003 and amendments	EC (Authorisation, Placing on the Market, Use and Control of Plant Protection Products), 2003 and amendments	DS

Alternative Programme of Measures – Basic Measures for Rivers (cont.)

Local Authority	Parent ID Name	MeasureName	Source
FINGAL	EC (Classification Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations, 2001	EC (Classification Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations, 2001	DS
FINGAL	EC (Prohibition of certain active substances in plant protection products) Regulations, 1981 and amendments	EC (Prohibition of certain active substances in plant protection products) Regulations, 1981 and amendments	DS
FINGAL	EU Regulations Registration, Evaluation, Authorisation and Restriction of Chemical substances (REACH) (1907/2006/EC)	EU Regulations Registration, Evaluation, Authorisation and Restriction of Chemical substances (REACH) (1907/2006/EC)	DS
FINGAL	Framework for Major Emergency Management, Office of Emergency Planning, 2006	Framework for Major Emergency Management, Office of Emergency Planning, 2006	DS
FINGAL	EC (Aerial Fertilisation) (Forestry) Regulations 2006 and amendment 2007	EC (Aerial Fertilisation) (Forestry) Regulations 2006 and amendment 2007	FOR
FINGAL	EPA (Licensing) Regulations, 1994 & 2004	EPA (Licensing) Regulations, 1994 & 2004	IPPC
FINGAL	Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 - 2001	Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 - 2001	Manure
FINGAL	Forestry Act 1946 and 1988	Forestry Act 1946 and 1988	Manure
FINGAL	Local Government (Water Pollution) Act 1 of 1977 and amendments	Local Government (Water Pollution) Act 1 of 1977 and amendments	S4
FINGAL	Urban Waste Water Treatment Regulations, 2001 - 2004	Urban Waste Water Treatment Regulations, 2001 - 2004	WWTP
FINGAL	Waste Water Discharge (Authorisation) Regulations (S.I. 684 of 2007)	Waste Water Discharge (Authorisation) Regulations (S.I. 684 of 2007)	WWTP

Alternative Programme of Measures – Basic Measures for Rivers (cont.)

Local Authority	Parent ID Name	MeasureName	Source
FINGAL	Water Services Act 2007	Water Services Act 2007	WWTP
MEATH	Quality of Surface Water intended for the Abstraction of Drinking Water (S.I. 294 of 1989)	Quality of Surface Water intended for the Abstraction of Drinking Water (S.I. 294 of 1989)	ABS
MEATH	National Water Pricing Policy Framework (1998)	National Water Pricing Policy Framework (1998)	ABS
MEATH	Water Supplies Act 1942	Water Supplies Act 1942	ABS
MEATH	EC (Good Agricultural Practice for Protection of Waters) Regulations (S.I. 378 of 2006 and S.I. 526 of 2007)	EC (Good Agricultural Practice for Protection of Waters) Regulations (S.I. 378 of 2006 and S.I. 526 of 2007)	AGR
MEATH	EC (Environmental Impact Assessment) Regulations and amendments (S.I. 349 of 1989 onwards)	EC (Environmental Impact Assessment) Regulations and amendments (S.I. 349 of 1989 onwards)	CROSS
MEATH	Planning Development Acts 2000 - 2006	Planning Development Acts 2000 - 2006	CROSS
MEATH	Planning and Development Regulations 2001 - 2007	Planning and Development Regulations 2001 - 2007	CROSS
MEATH	EC (Authorisation, Placing on the Market, Use and Control of Plant Protection Products), 2003 and amendments	EC (Authorisation, Placing on the Market, Use and Control of Plant Protection Products), 2003 and amendments	DS
MEATH	EC (Classification Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations, 2001	EC (Classification Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations, 2001	DS
MEATH	EPA (Licensing) Regulations, 1994 & 2004	EPA (Licensing) Regulations, 1994 & 2004	IPPC
MEATH	Local Government (Water Pollution) Act 1 of 1977 and amendments	Local Government (Water Pollution) Act 1 of 1977 and amendments	S4
MEATH	Urban Waste Water Treatment Regulations, 2001 - 2004	Urban Waste Water Treatment Regulations, 2001 - 2004	WWTP

Alternative Programme of Measures – Basic Measures for Rivers (cont.)

Local Authority	Parent ID Name	MeasureName	Source
MEATH	Waste Water Discharge (Authorisation) Regulations (S.I. 684 of 2007)	Waste Water Discharge (Authorisation) Regulations (S.I. 684 of 2007)	WWTP
MEATH	Water Services Act 2007	Water Services Act 2007	WWTP

Alternative Programme of Measures – Supplementary Measures for rivers

Local Authority	Measure Name	Measure Type	Source
KILDARE	Modernise Abstraction Legislation, including a system for licensing surface water abstractions	Proposed	ABS
KILDARE	Conduct awareness campaign for sustainable domestic water use, including rainwater harvesting and domestic soakaways for stormwater	Proposed	ABS
KILDARE	Restrict Cattle Access to rivers - Create Cattle Drinking points	Supplementary	AGR-PS
KILDARE	Implement Upstream Programmes of Measures	Supplementary	CROSS
KILDARE	Emphasise linkage between Planning, Water Services, and Environmental Sections within Local Authorities for Planning Purposes	Supplementary	CROSS
KILDARE	Further Investigate cause of failure	Supplementary	DATA+
KILDARE	Further Investigate cause of failure	Supplementary	DATA+
KILDARE	Mitigate impact of quarry activities	Supplementary	DS
KILDARE	OPW - Environmental Drainage Maintenance Guidance Notes	Guidance	MORP
KILDARE	OPW - Environmental River Enhancement Programme 2008 -2012	Guidance	MORP

Alternative Programme of Measures

– Supplementary Measures for Rivers (cont.)

Local Authority	Measure Name	Measure Type	Source
KILDARE	Public awareness	Proposed	Septic
KILDARE	Enforce Regulations on Septic Systems	Supplementary	Septic
MEATH	Modernise Abstraction Legislation, including a system for licensing surface water abstractions	Proposed	ABS
MEATH	Conduct awareness campaign for sustainable domestic water use, including rainwater harvesting and domestic soakaways for stormwater	Proposed	ABS
MEATH	Restrict Cattle Access to rivers - Create Cattle Drinking points	Supplementary	AGR-PS
MEATH	PCS - Principles for Good Plant Protection Practise	Guidance	Chem
MEATH	Emphasise linkage between Planning, Water Services, and Environmental Sections within Local Authorities for Planning Purposes	Supplementary	CROSS
MEATH	Department of Agriculture - Code of Good Practice and Guidelines on the use of biosolids in Agriculture, 1999	Guidance	Manure
MEATH	OPW - Environmental Drainage Maintenance Guidance Notes	Guidance	MORP
MEATH	Enforce Regulations on Septic Systems	Supplementary	Septic
MEATH	Upgrade WWTW and Collecting Systems <2000 PE	Supplementary	WWTP
MEATH	Implement Community Digestors for Alternative Energy	Supplementary	WWTP
OFFALY	Modernise Abstraction Legislation, including a system for licensing surface water abstractions	Proposed	ABS

Alternative Programme of Measures

– Supplementary Measures for Rivers (cont.)

Local Authority	Measure Name	Measure Type	Source
OFFALY	Conduct awareness campaign for sustainable domestic water use, including rainwater harvesting and domestic soakaways for stormwater	Proposed	ABS
OFFALY	Emphasise linkage between Planning, Water Services, and Environmental Sections within Local Authorities for Planning Purposes	Supplementary	CROSS
OFFALY	Further Investigate cause of failure	Supplementary	DATA+
OFFALY	OPW - Environmental River Enhancement Programme 2008 -2012	Guidance	MORP
OFFALY	Implement Community Digestors for Alternative Energy	Supplementary	WWTP
WESTMEATH	Modernise Abstraction Legislation, including a system for licensing surface water abstractions	Proposed	ABS
WESTMEATH	Conduct awareness campaign for sustainable domestic water use, including rainwater harvesting and domestic soakaways for stormwater	Proposed	ABS
WESTMEATH	Emphasise linkage between Planning, Water Services, and Environmental Sections within Local Authorities for Planning Purposes	Supplementary	CROSS
WESTMEATH	Implement Community Digestors for Alternative Energy	Supplementary	WWTP