

draft RIVER BASIN MONITORING PLAN

# CLASSIFICATION PAMPHLET

## Coastal Waterbody, Lough Foyle

22<sup>nd</sup> December 2008



An Agency within the Department of the  
**Environment**  
[www.doeni.gov.uk](http://www.doeni.gov.uk)



INVESTOR IN PEOPLE



Northern Ireland  
**Environment**  
Agency  
[www.ni-environment.gov.uk](http://www.ni-environment.gov.uk)

draft RIVER BASIN MANAGEMENT PLAN



WFD COASTAL WATER BODY CLASSIFICATION  
Lough Foyle

Version Date: 22/12/08

MARINE ASSESSMENT AND LICENSING TEAM

**LOUGH FOYLE**

Water body Information

- River Basin District: NE
- Water body type: CW8
- Water body characteristics: Euhaline, mesotidal, sheltered
- Water body area: 165.73 km<sup>2</sup>
- Heavily Modified Water Body: No

OVERALL WATERBODY CLASSIFICATION: (H/G/M/P/B):MODERATE  
(PASS/FAIL):FAIL

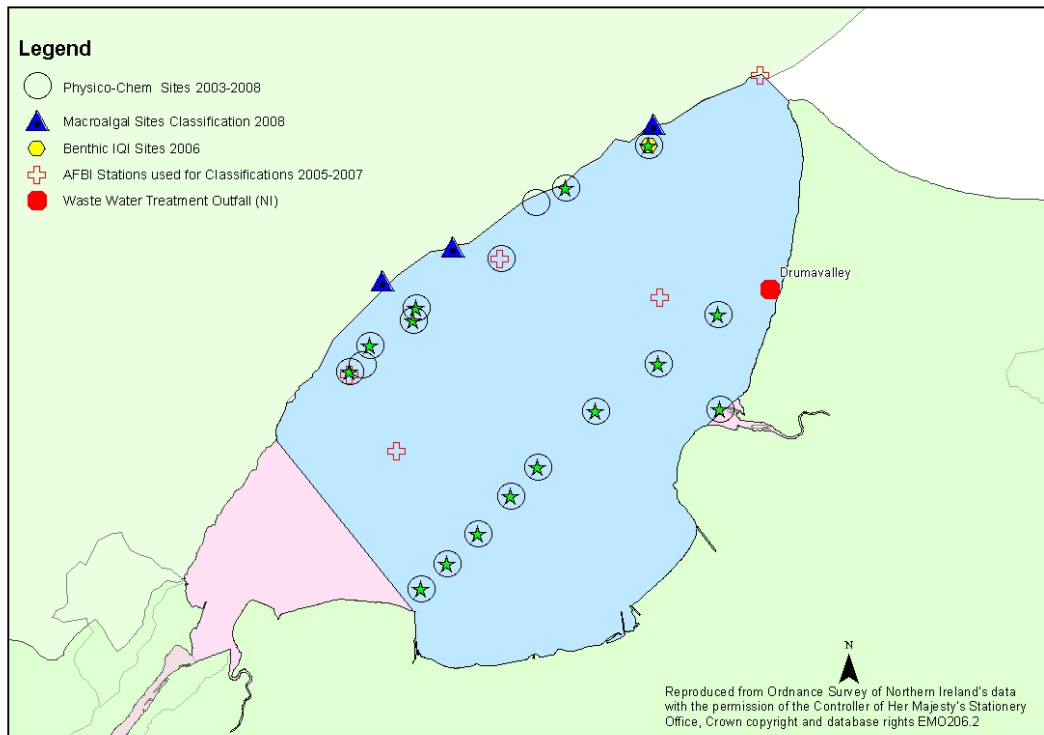


Figure showing pressures and monitoring points within Lough Foyle (Coastal Water).

draft RIVER BASIN MANAGEMENT PLAN



WFD COASTAL WATER BODY CLASSIFICATION  
Lough Foyle

Version Date: 22/12/08

MARINE ASSESSMENT AND LICENSING TEAM

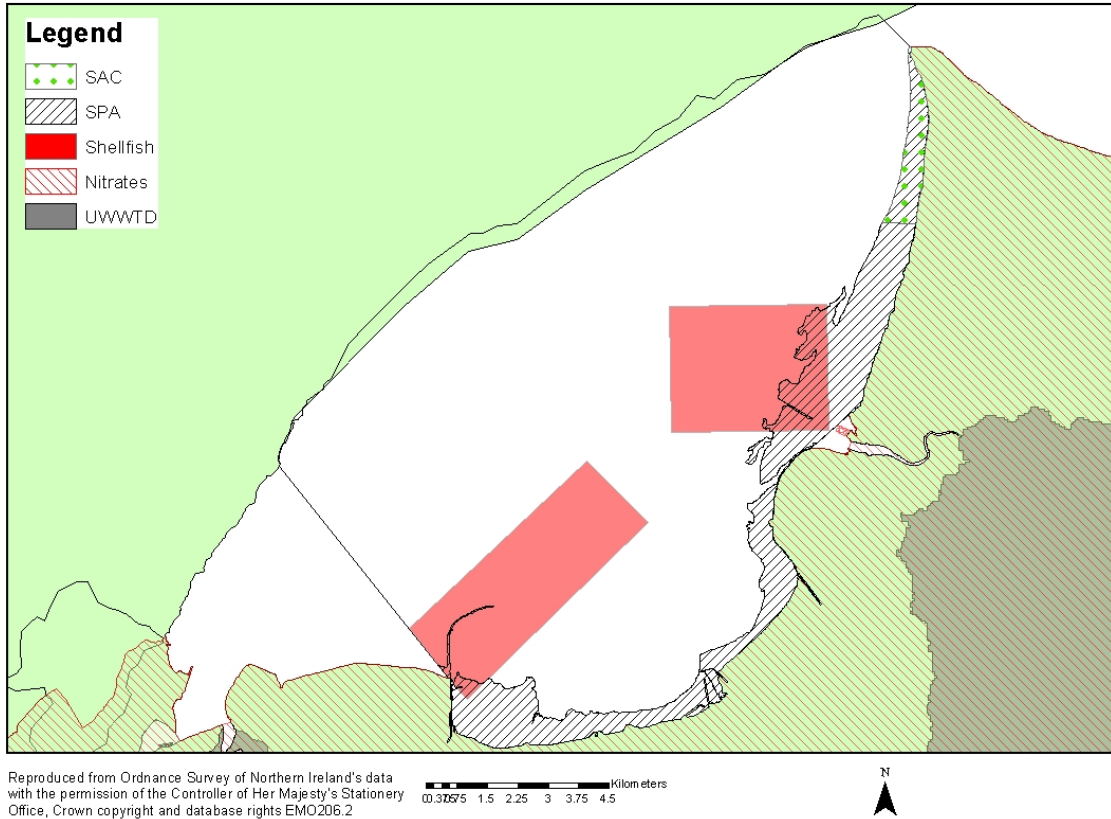



Figure showing protected areas within Lough Foyle (Coastal Water), see Annex F.

draft RIVER BASIN MANAGEMENT PLAN

	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle	
	<b>Version Date:</b>	22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>	

**PARAMETERS TABLE**

(Parameters for which classification systems are available and have been used in the first round of classification. Note: for some parameters data is not yet available hence the tools have not been applied).

<b>Ecological Quality Element</b>			
<i>Main Element</i>	<i>Sub-Element</i>	<i>Applied</i>	<i>Comment</i>
<b>Plants</b>	<b>Macro Algae</b>	✓	
	-Opportunistic Macroalgae	☒	No data available
	-Reduced Species List	✓	
	<b>Angiosperms</b>	☒	No data available
	<b>Phytoplankton</b>	✓	
<b>Benthic Invertebrates</b>	<b>Infaunal Quality Index</b>	✓	
	<b>Imposex</b>	☒	No data available
<b>Fish</b>	<b>Transitional Fish Classification Index</b>		
<b>Physico-Chemical</b>	<b>General Conditions</b>	✓	
	-Dissolved Oxygen	✓	
	-Nutrients	✓	
	<b>Specific Pollutants (Annex VIII subs)</b>	✓	
<b>Hydromorphological Quality Elements</b>	SEPA Rapid Designation	✓	
	TraC MIMAS	✓	
<b>Chemical Status</b>			
<b>Priority Hazardous Substances (Annex X)</b>	Annex X Substances	✓	

### Waterbody Classification

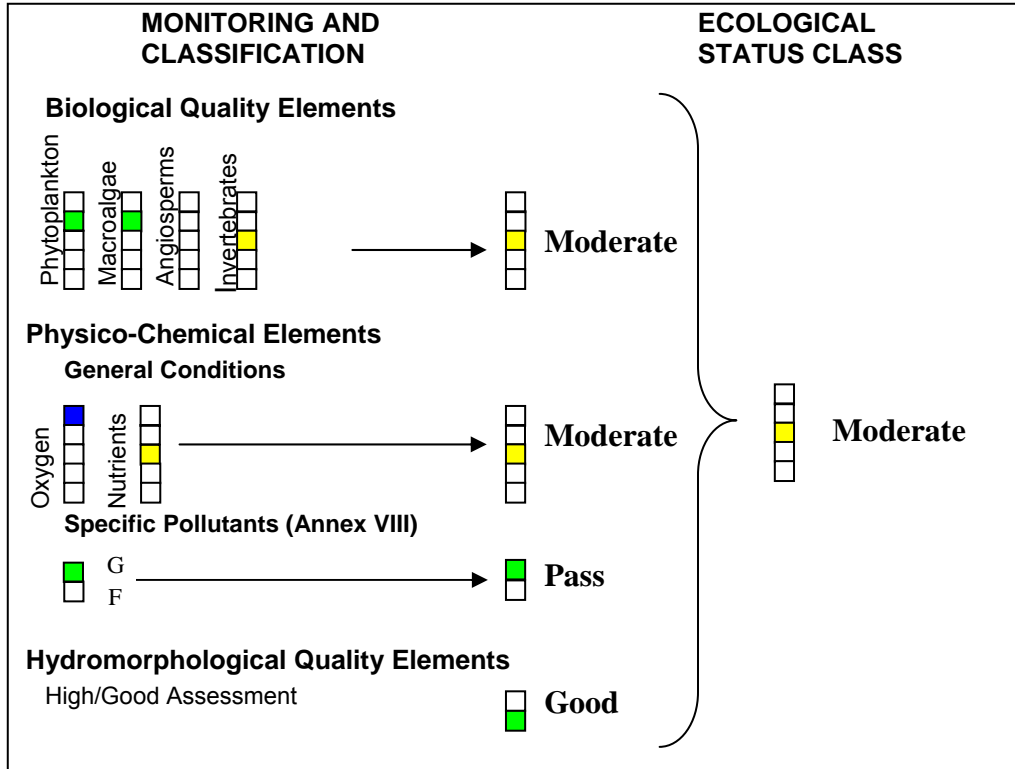


Figure showing ecological classification of Lough Foyle (Coastal Water)

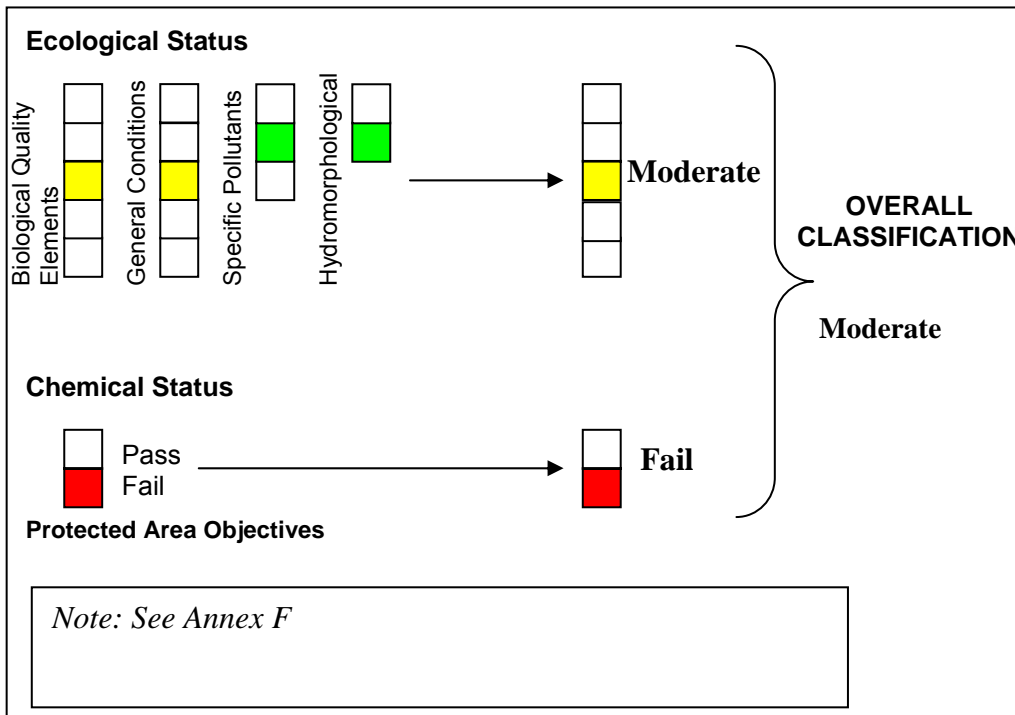


Figure showing overall classification of Lough Foyle (Coastal Water)

draft RIVER BASIN MANAGEMENT PLAN



WFD COASTAL WATER BODY CLASSIFICATION  
Lough Foyle

Version Date: 22/12/08

MARINE ASSESSMENT AND LICENSING TEAM

First River Basin Cycle (2004 – 2008)


Monitoring Level: *Surveillance and operational*

Sampling frequency for each quality element

Quality Elements	Surveillance		
	Year (if 1 in 3 yrs)	Frequenc y (if p.a.)	No. of sites
<b>Biological</b>			
Phytoplankton	2004-8		27 sites 111 samples
Macroalgae	Reduced Species List	2008	3 sites
Angiosperms	MBT	ND	
	Seagrass	ND	
Benthic Invertebrates	Infaunal Quality Index	2006	1
	Imposex	ND	
<b>Physico-chemical</b>			
Nutrients	2003-2006		12 sites 61 samples
Salinity	2003-2006		
Temperature	2003-2006		
Dissolved Oxygen (DO)	2002-8		18
Suspended particulate matter (SPM)			
Light (Kd)			
Specific polluting substances (Annex VIII)	2002-06	3	10
<b>Hydromorphology</b>			
<b>Water chemistry</b>			
(Annex X)	2002-06	3	10





<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

## 2. Elevated Taxa Count Index

### Waterbody Elevated Taxa Assessment

- Thresholds:**

Tool	Thresholds	
	North/Irish Sea	Atlantic
I <sub>1</sub> - Individual Species Count (excl. Phaeocystis) (%)	250,000 (cells l <sup>-1</sup> )	
I <sub>2</sub> - Phaeocystis Counts (%)	10 <sup>6</sup> (cells l <sup>-1</sup> )	
I <sub>3</sub> - Total Taxa Count (%)	10 <sup>7</sup> (cells l <sup>-1</sup> )	
I <sub>4</sub> - Elevated Biomass Count (%)	>10 (µg l <sup>-1</sup> )	>5 (µg l <sup>-1</sup> )

**Waterbody Elevated count (%) = [I<sub>1</sub> (%) + I<sub>2</sub> (%) + I<sub>3</sub> (%) + I<sub>4</sub> (%) ] / 4**


- EQR Boundaries:**

Class	% Exceedance	EQR
High	0-15	0.67-1.0
Good	15-30	0.33-0.67
Moderate	30-40	0.28-0.33
Poor	40-50	0.20-0.33
Bad	>50	0-0.20

### Results

I <sub>1</sub>	I <sub>2</sub>	I <sub>3</sub>	I <sub>4</sub>	Elevated Count Mean	Status	Data Years	No. of sampling occasions	No. of phytoplankton samples

Data confidence:

<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

## QE: Macroalgae Lough Foyle Coastal Waters

**QE Macroalgae assessment (+ Data confidence): GOOD (M)**  
**On the Good/High boundary**

Classification tools: 1. Reduced species list (RSL)  
 2. Macroalgal Blooming Tool (MBT)

### 1. Reduced Species List (RSL)

Waterbody RSL assessment: **GOOD (Medium)**

- **WFD surveillance monitoring:** 2008
- **Data Availability (classification):** 2008, 3 sites
- **Data Store:** G:\MARINE\Projects 08\Marine Macrophytes

### Boundaries:

Parameters	Quality Status	Bad	Poor	Moderate	Good	High
	Sub-metric quality status	0.0 – 0.2	0.21 – 0.4	0.41 – 0.6	0.61 – 0.8	0.81 – 1.0
Species richness (adj. for shore)		0 – 3	3 – 10	10 – 20	20 – 34	34 – 68
Proportion of Chlorophyta (% G)		80 – 100	45 – 80	30 – 45	20 – 30	0 – 20
Proportion of Rhodophyta (% R)		0 – 10	10 – 25	25 – 35	35 – 45	45 – 100
Ecological Status Group ratio (ESG)		0.0 – 0.2	0.2 – 0.4	0.4 – 0.6	0.6 – 0.8	0.8 – 1.2
Proportion of opportunists (% opp)		50 – 100	35 – 50	25 – 35	15 – 25	0 – 15

### Results

Shore	Sub-Metric EQR							RSL EQR	Status
	Shore desc.	Sp. richness	Adj. Sp. Richness	% G	% R	ESG	% Opp		
Moville 2008	17	51	44.4	15.7	51.0	1.04	13.7	0.819	HIGH
Craigbuoy / Vances Point 2008	10	37	50.32	21.62	43.24	0.85	16.22	0.766	GOOD
Redcastle 2008	16	45	41.85	15.56	48.89	0.80	11.11	0.812	HIGH
<b>Mean</b>								<b>0.8 ±0.03</b>	<b>GOOD</b>

### Data Confidence:


Medium

- Standard Deviation (±) are included with the mean EQR
- Data QA (expert team)
- WFD specific data (Reduced species list completed; Full species list not yet carried out, tool not yet completed).
- 3 shores (good spatial coverage) over single year (poor temporal trend assessment).
- FSL not yet carried out

Alien taxa present (*Sargassum muticum*):

Absent



<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

## QE: Angiosperms – Foyle

QE Angiosperm assessment: GOOD (ND)

Classification Tools: 1. Seagrass A. Taxonomic composition  
B. Shoot density  
C. Bed spatial extent

(Saltmarsh – monitored but no classification tool established for first round)

1. *Seagrass*, Overall Seagrass assessment: *Good (ND)*

- WFD surveillance monitoring:
- Data store: No data
- Data Availability (classification): No data
- EQR Boundaries:

Status	Mean Score Ranges
High	0.8-1.0
Good	0.6-0.79
Moderate	0.4-0.59
Poor	0.2-0.39
Bad	0.0-0.19


Sub-Metric Boundaries:

A. Taxonomic composition

Disturbance	Change in taxonomic composition	Metric score (mid-point of EQR range)
No detectable change	All taxa present	0.9
Slight signs of disturbance	Loss of ¼ to ⅓ of species	0.7
Moderate distortions	Loss of ½ of species	0.5
Major distortions	Loss of ⅔ to ¾ of species	0.3
Severe distortions	Loss of all species	0.1

B. Shoot Density

Disturbance	% Shoot Loss		Score
	Annual	5 Year Mean	
No detectable change	0-10	0-5	0.8
Slight signs of disturbance	11-30	6-15	0.6
Moderate distortions	31-50	16-25	0.4
Major distortions	51-70	26-35	0.2
Severe distortions	70-100	36-100	0.1

<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>


C. Bed spatial extent

Disturbance	% Area Loss	Score
No detectable change	0-10	0.8
Slight signs of disturbance	11-30	0.6
Moderate distortions	31-50	0.4
Major distortions	51-70	0.2
Severe distortions	70-100	0.1

Results:

Site	Tool			Mean Metric Score	Mean Status
	<i>Taxonomic composition</i>	<i>Shoot Density</i>	<i>Bed Spatial Extent</i>		
			Mean		

- Data confidence: No data

draft RIVER BASIN MANAGEMENT PLAN	
	WFD COASTAL WATER BODY CLASSIFICATION Lough Foyle
	Version Date: 22/12/08
	MARINE ASSESSMENT AND LICENSING TEAM

## QE: Benthic Invertebrates – Lough Foyle

**Overall benthic invertebrate assessment: *Moderate (L)***

Classification tools: 1. Infaunal Quality Index (IQI) – MODERATE (Low)  
2. Imposex tool (VDSI) – Not applied

### 1. IQI (v4)

Water body IQI assessment: The data used for the assessment falls outside the IQI sediment tool EUNIS classification. Therefore there is low confidence in the assessment.

- WFD surveillance monitoring: 2008
- Data store:
  - Benthic invertebrates: UNICORN, NIEA database.
  - Supporting Parameters: Particle Size Analysis, water quality data.
  - Digital images: AMAP folder
- Data Availability (classification): LF5 (2006)
- Habitat max values (sub-tidal mud):  $1-(AMBI/7) = 0.78$ ,  $1-\text{Lambda}' = 0.72$ , Taxa = 24
- Boundaries (Intercalibrated NEAGIG):


Class	Bad	Poor	Moderate	Good	High
<b>IQI</b>	>0.0 ≤0.24	≥0.24 <0.44	≥0.44 <0.64	≥0.64 <0.75	≥0.75

### Results

Year	Survey	Station	n	Mean	± S.D	Status
2006		LF5	5	0.62	0.1	Moderate
Overall Mean						

Alien taxa present:

<i>Eriocheir sinensis</i> (Chinese mitten crab)	Not present
<i>Crepidula fornicata</i> (Slipper limpet)	Not present

<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

**Lough Foyle**

**2. VDSI (*Nucella lapillus*)**

Waterbody VDSI assessment:

No data

- Data store:
- Data availability:


Boundaries:

Class	Moderate	Good	High
VDSI	≥4.0	≥0.3 <4.0	<0.3
EQR	<0.33 -0	≥0.33 <0.95	0.95 – 1.0

Results:

Nil

Data confidence:

<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	<b>Version Date:</b> 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

## ANNEX B: Classification of physico-chemical Quality Elements: General

### Dissolved Oxygen

**Waterbody DO assessment:** **HIGH (H)**

**Classification tools:** Comparison of 5% ile against reference standards

- **Data store:** \\marine on ehslis2k \Water Framework Directive\DRAFT WFD CLASSIFICATION REPORTS\Dissolved Oxygen
- **Data Availability:** 2002 to 2008
- **Data Availability (spot & continuous samples):** Spot
- **Thresholds:**

WFD Status	Marine 5%ile	Objectives
HIGH	≥5.7 mg/L	All life stages of salmonids and transitional fish
GOOD	≥4.0 <5.7 mg/L	Presence of salmonids and transitional fish
MODERATE	≥2.4 <4.0 mg/L	Most life stages of non-salmonid adults
POOR	≥1.6 <2.4 mg/L	Presence of non-salmonids, poor survival of salmonids
BAD	<1.6 mg/L	No salmonids present, marginal survival of resident species

Results:


5% ile DO (mg/L)	Status	Data years	Data Quality	No. of daily averages	Data Coverage (proportion of possible months with data*)
6.21	HIGH	02 to 08	**	30	33.3%

\* Proportion of possible months for which data are available

\*\*Data Quality

High

- Databases not QA'd.
- 11 (daily averages) x n (no. of assessment years in reporting cycle)

<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

## Nutrients – Winter DIN

**Winter DIN assessment**

**Moderate (M)**

- **Data store:** \\marine on ehslis2k \Water Framework Directive\Nuala-Lesley Nutrients\DIN for Classification\Coastal Water
- **Data Availability:** 2003 to 2006, DIN & salinity (November to February)
- **Data Availability (spot & continuous samples):** spot
- **N regulation thresholds:**

Area	Salinity range	DIN (uM) Winter mean H/G	DIN (uM) Winter mean G/M	DIN (uM) Winter mean M/P	DIN (uM) Winter mean P/B
Coastal (at salinity 32)	30-34.5	12-18	18-30	30-40.5	>40.5


Results:

Mean Winter DIN (uM) (normalised to salinity 32)	Winter DIN Daily average (n)	No. of samples (n)	No. of sites	Data Years	Data Quality	Status
21.18	12	61	12	2003 - 2006	Database not yet QA'd	Moderate

Data confidence:

Medium

- Database not QA'd.

<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

**ANNEX C: Classification of physico-chemical quality elements: Specific Pollutants (Annex VIII)**

<b>Overall specific pollutants assessment : PASS</b>
--

<b>Annex VIII: Overall Compliance</b>	PASS(L)
<b>Annex VIII: Pass/Fail</b>	PASS(L)

**Classification tools:** Comparison with EQS levels.

**Data Availability:** 2002-06 Shellfish Waters Monitoring.

**Data confidence:** Low until 2008 data incorporated for 2009.

draft RIVER BASIN MANAGEMENT PLAN



WFD COASTAL WATER BODY CLASSIFICATION  
Lough Foyle

Version Date: 22/12/08


MARINE ASSESSMENT AND LICENSING TEAM

ANNEX VIII	Value					EQS ug/l	Ecological Status
	2002	2003	2004	2005	2006		
111 tri	ND	ND	ND	ND	ND		
112 tri	ND	ND	ND	ND	ND		
24 D	ND	ND	ND	ND	ND		
2 chloro	ND	ND	ND	ND	ND		
4 chloro 3	ND	ND	ND	ND	ND		
ammonia	ND	2.826	2.522	3.76	1.09	21	GH
As	1.136	1.01	0.663	0.76	NR	25	GH
Bentazone	ND	ND	ND	ND	ND		
biphenyl	ND	ND	ND	ND	ND		
boron	ND	ND	ND	ND	ND		
chlorine	ND	ND	ND	ND	ND		
chloronit	ND	ND	ND	ND	ND		
chloronit_calc	ND	ND	ND	ND	ND		
Cr	ND	ND	ND	ND	0.103	0.6	GH
Cu	1.0787	0.862	0.87	1.37	1.25	5	GH
Cy	ND	ND	ND	ND	ND		
Cyfluthrin	ND	ND	ND	ND	ND		
cyper	ND	ND	ND	ND	ND		
diazinon	ND	ND	ND	ND	ND		
dichlorvos	ND	ND	ND	ND	ND		
dimethoate	ND	ND	ND	ND	ND		
fenitrothion	ND	ND	ND	ND	ND		
Fe	ND	ND	ND	ND	ND		
linuron	ND	ND	ND	ND	ND		
malathion	ND	ND	ND	ND	ND		
Mn	ND	ND	ND	ND	ND		
mecoprop	ND	ND	ND	ND	ND		
permethrin	ND	ND	ND	ND	ND		
phenol	ND	ND	ND	ND	ND		
toluene	ND	ND	ND	ND	ND		
Vn	ND	ND	ND	ND	ND		
xylenes	ND	ND	ND	ND	ND		
Zn	4.347	4.98	2.684	4.24	6.73	40	GH

G
F
GH
M

Good  
Fail  
Good or better and is normally treated as high  
Moderate

Mean includes LOD data  
Mean based on actual values


<b>draft RIVER BASIN MANAGEMENT PLAN</b>			
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle		
	<table border="1"> <tr> <td><b>Version Date:</b></td> <td>22/12/08</td> </tr> </table>	<b>Version Date:</b>	22/12/08
	<b>Version Date:</b>	22/12/08	
<b>MARINE ASSESSMENT AND LICENSING TEAM</b>			

**ANNEX D: Hydromorphological quality elements**

<b>Overall hydromorphology assessment:</b>	<b>Good</b>
--	-------------

**Classification tools:**  
metrics

1. TRaC Hydromorphology
2. MIMAS

<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

**ANNEX E: Chemical Status – Annex X Chemicals**

<b>Overall water chemistry assessment:</b>	<b>FAIL</b>
--	-------------

<b>Annex X: Overall Compliance</b>	FAIL(L)
<b>Annex X: Pass/Fail</b>	FAIL(L)

**Classification tools:** Comparison with EQS levels.

**Data Availability:** 2002-06 Shellfish Waters Monitoring.

**Data confidence:** Low until 2008 data incorporated for 2009.

draft RIVER BASIN MANAGEMENT PLAN



WFD COASTAL WATER BODY CLASSIFICATION  
Lough Foyle


Version Date: 22/12/08

MARINE ASSESSMENT AND LICENSING TEAM

ANNEX X	Value					EQS	Chemical Status	Ecological Status
	2002	2003	2004	2005	2006			
12 Dichloroanthracene	ND	ND	ND	ND	ND			
atrazine	ND	ND	ND	ND	ND			
benzene	ND	ND	ND	ND	ND			
benzo	ND	ND	ND	ND	ND			
benzo a	ND	ND	ND	ND	ND			
Cadmium	0.019	0.046	0.046	0.033	0.027	0.2	G	GH
Chlorfenvos	ND	ND	ND	ND	ND			
Chlorpyr	ND	ND	ND	ND	ND			
Dichloro	ND	ND	ND	ND	ND			
Diuron	ND	ND	ND	ND	ND			
endosulphan	ND	ND	ND	ND	ND			
floranthene	ND	ND	ND	ND	ND			
hcb	<0.001	<0.001	<0.001	<0.001	<0.001	0.01	G	GH
hcbd	0.001	<0.002	<0.002	<0.002	<0.002	0.1	G	GH
hch	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	G	GH
hch calc	ND	ND	ND	ND	ND			
Hg	<0.05	0.015	2.507	0.005	NR	0.05	F	M
Indeno	ND	ND	ND	ND	ND			
ISP	ND	ND	ND	ND	ND			
Napthalene	ND	ND	ND	ND	ND			
Ni	0.824	0.752	0.451	0.64	0.68	20	G	GH
Nonyl	ND	ND	ND	ND	ND			
Octyl	ND	ND	ND	ND	ND			
Pb	<0.5	0.2675	0.232	0.111	0.055	7.2	G	GH
pcp	ND	ND	ND	ND	ND			
simazine	ND	ND	ND	ND	ND			
TBT	ND	ND	ND	ND	ND			
TCB	ND	ND	ND	ND	ND			
TCB calc	ND	ND	ND	ND	ND			
trichloromethane	ND	ND	ND	ND	ND			
trifluralin	ND	ND	ND	ND	ND			

<b>G</b>	Good
<b>F</b>	Fail
<b>GH</b>	Good or better and is normally treated as high
<b>M</b>	Moderate

Grey box	Mean includes LOD data
Cyan box	Mean based on actual values


<b>draft RIVER BASIN MANAGEMENT PLAN</b>	
	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle
	Version Date: 22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>

### ANNEX F: Protected Area Objectives

Water body	Protected area	Designation	Status	Reason for non-compliance
Lough Foyle	Lough Foyle	SPA	Favourable	
Lough Foyle	Lough Foyle	Saltmarsh	Unfavourable	Vegetation composition - indicators of negative change ( <i>Spartina</i> ). Vegetation composition & structure – too few
Lough Foyle	Magilligan	SAC	No marine features, though the boundary includes the intertidal.	
Lough Foyle	Longfield Bank & Ball's Point	Shellfish Waters	Compliant. Single sample exceedance in Zinc and HCH-g in 2006. Not repeated.	

#### Nitrates Directive

Until 1 January 2007, Northern Ireland had designated seven NVZs on the basis of elevated nitrate levels in groundwaters. These NVZs were very small and covered less than 1% of Northern Ireland's area. However, Northern Ireland also has a widespread problem of eutrophication of surface waters and a large proportion of this nutrient enrichment is attributable to agriculture. Following extensive consultation, the total territory of Northern Ireland was established as the area to which an action programme would be applied under the Protection of Water Against Agricultural Nitrate Pollution Regulations (Northern Ireland) 2004 with effect from 29 October 2004.

	<b>WFD COASTAL WATER BODY CLASSIFICATION</b> Lough Foyle	
	<b>Version Date:</b>	22/12/08
	<b>MARINE ASSESSMENT AND LICENSING TEAM</b>	

### Glossary

<b>AFBI</b>	Agri-Food and Biosciences Institute (under contract to NIEA)
<b>AMBI</b>	AZTI Marine Biotic Index
<b>Annex 10</b>	Annex 10 Priority Hazardous Substances
<b>Annex 8</b>	Annex 8 Specific Pollutants
<b>Article 5</b>	Characterisation, typology, pressures and impacts analysis
<b>ASSI</b>	Area of Special Scientific Interest
<b>DIN</b>	Dissolved Inorganic Nitrogen
<b>DO</b>	Dissolved Oxygen
<b>EQR</b>	Ecological Quality Ratio
<b>EQS</b>	Ecological Quality Status
<b>EUNIS</b>	European Nature Information System
<b>FSL</b>	Full Species List
<b>GEP</b>	Good Ecological Potential
<b>H/G/M/P/B</b>	High/Good/Moderate/Poor/Bad (Classification Status)
<b>H/M/L</b>	High/Medium/Low (Confidence)
<b>HMWB</b>	Heavily Modified Water Body
<b>IQI</b>	Infaunal Quality Index
<b>IRBD</b>	International River Basin District
<b>LOD</b>	Limit of Detection
<b>MBT</b>	Macroalgal Blooming Tool
<b>MEP</b>	Moderate Ecological Potential
<b>NB</b>	Neagh Bann
<b>ND</b>	No data
<b>NE</b>	North Eastern
<b>NEAGIG</b>	North Eastern Atlantic Geographical Intercalibration Group
<b>NIEA</b>	Northern Ireland Environment Agency
<b>N-regs</b>	Nitrogen Regulation
<b>NVZ</b>	Nitrate Vulnerable Zone
<b>NW</b>	North Western
<b>Physico-chem</b>	Physical and chemical monitoring
<b>RSL</b>	Reduced Species List
<b>SAC</b>	Special Area of Conservation
<b>SEPA</b>	Scottish Environment Protection Agency
<b>SPA</b>	Special Protected Area
<b>TNA</b>	Tool Not Applicable
<b>TraC MImAS</b>	Transitional and Coastal Morphology Impact Assessment System
<b>TUD</b>	Tool Under Development
<b>UKAS</b>	United Kingdom Accreditation Service
<b>UKTAG</b>	United Kingdom Technical Advisory Group for Water Framework Directive
<b>UNICORN</b>	Database for marine organisms.
<b>UWWTD</b>	Urban Waste Water Treatment Directive (91/271/EEC)
<b>VDSI</b>	Vas Deferens Sequence Index
<b>WFD</b>	Water Framework Directive