

Selection of
Local Management Areas
for implementation of
River Basin Management Plans

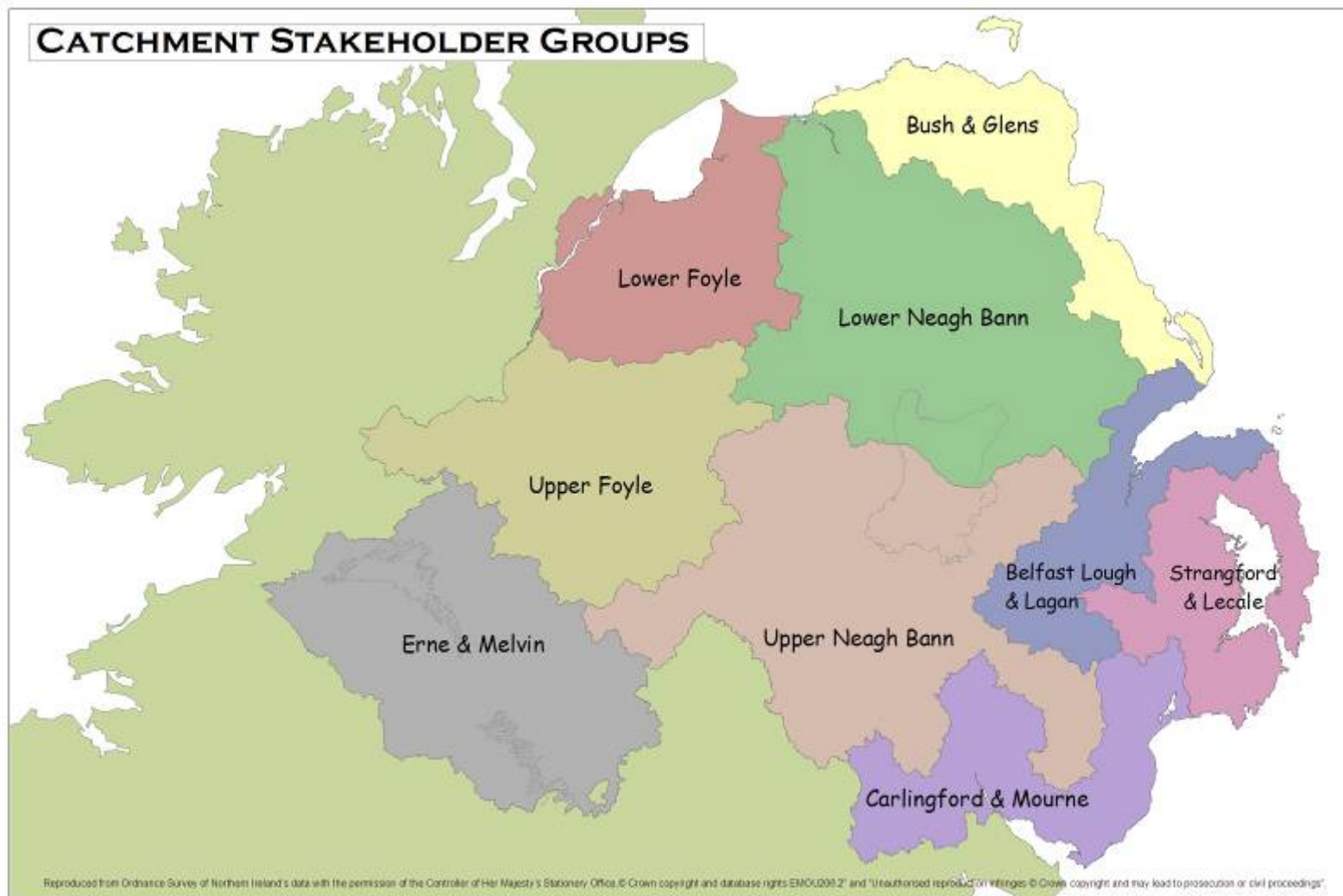
**Carlingford and Mourne
Catchment Stakeholder Group**

Bridgeen Magorrian

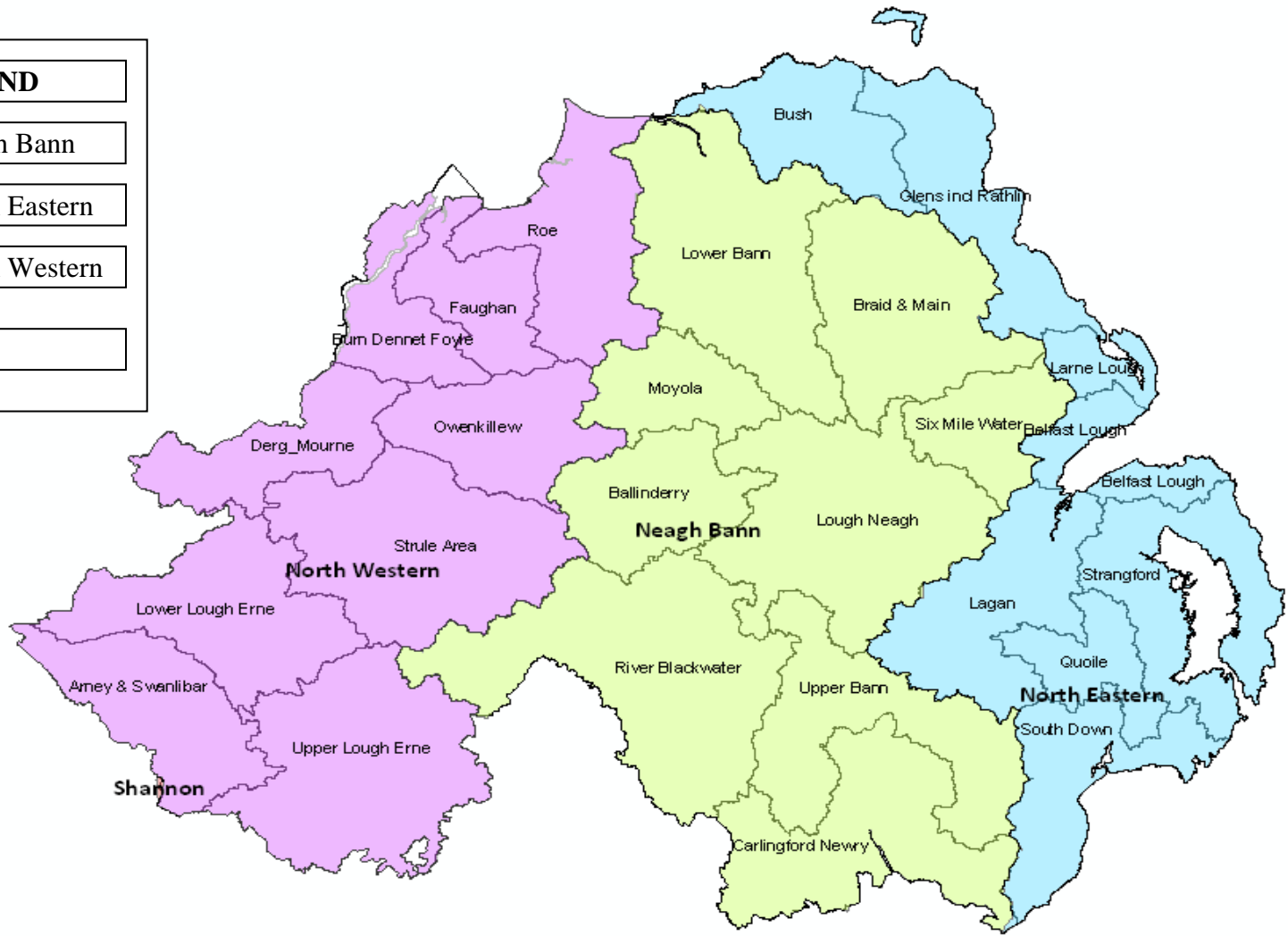
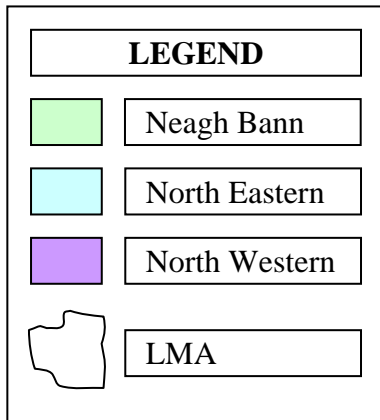
Implementation of the River Basin Management Plans

- The Plans cover the period 2009 – 2015
- Need to focus on the local nature of the plans
- Need to develop an implementation programme over the six year cycle

CATCHMENT STAKEHOLDER GROUPS



Map of Local Management Areas



Why Work at an LMA Level ?

- To develop a localised approach to managing water bodies, yet provide a comprehensive overview of the pressures at a catchment level, it is proposed to develop action plans at the Local Management Area level (LMA).
- The LMAs represent the hydrological water sheds of the main rivers within the River Basin Districts.
- In targeting resources to deliver good ecological quality, it is considered more effective to focus action on a specific number LMAs.
- It is proposed to select 9 LMAs out of the 26 each year for detailed analysis, this would mean each LMA is assessed twice in each six year planning cycle.

LMA selection process

The starting point is looking at ecological elements:

- invertebrates
- macrophytes
- fish
- pearl mussels

Percentage failure & severity of failures

- % less than Good,
- % less than Moderate or Poor
- % Bad

In summary

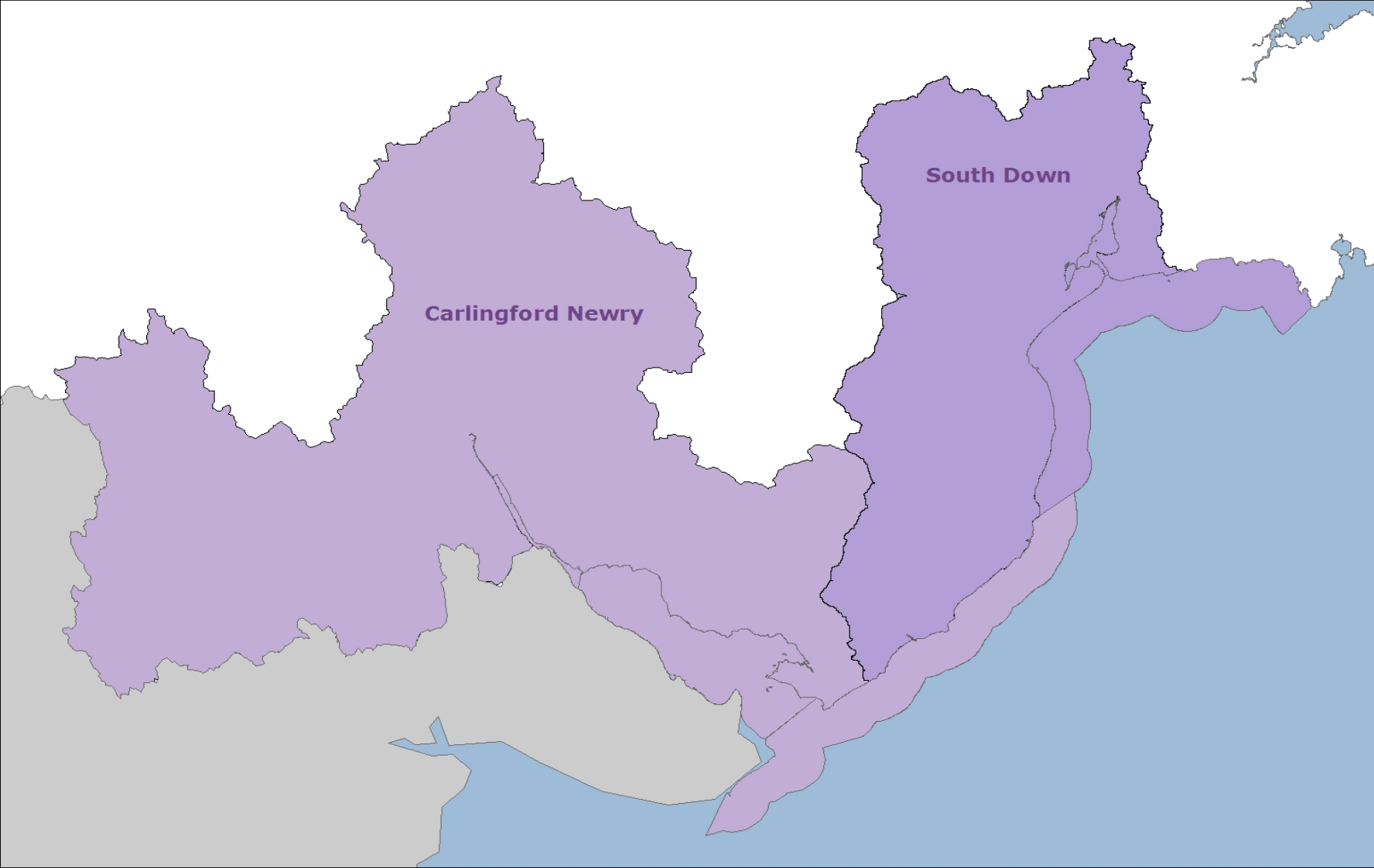
- Classification data – indicator of impact
- Severity of impact – Bad>Moderate>Good

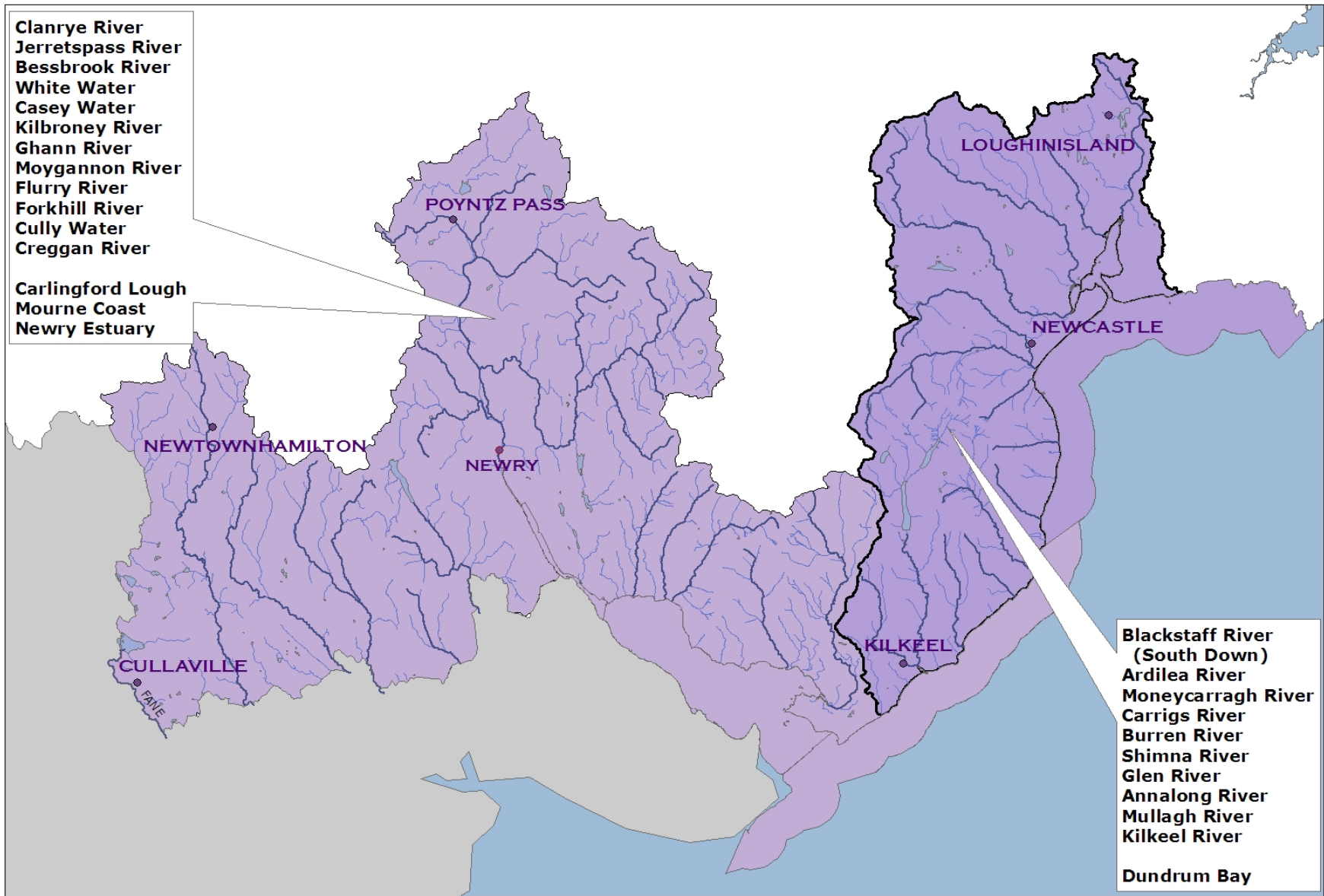
Eco Score = %< Good + %< Moderate + %Bad

LMA Implementation Plan Selection

Option 1		Option 2		Option 3		CSG Area
Local Management Area	Eco Score	Local Management Area	Eco Score	Local Management Area	Eco Score	
Strangford	193.3	Burndennet & Foyle	100.0	Lower Lough Erne	87.9	Erne & Melvin
Lagan	159.1	Lower Lough Erne	87.9	Upper Lough Erne	72.1	
Belfast L	157.1	Upper Lough Erne	72.1	ARNEY	39.3	
Ballinderry	137.5	Roe	60.0	Owenkillew	50.0	Upper Foyle
Lough Neagh	123.8	Owenkillew	50.0	Derg& Mourne	47.1	
Bush	123.5	Derg & Mourne	47.1	Strule	45.0	
Blackwater	121.6	Strule	45.0	Burndennet & Foyle	100.0	Lower Foyle
UPPER BANN	110.7	ARNEY	39.3	Roe	60.0	
South Down	105.3	Faughan	30.0	Faughan	30.0	
Quoile	100.0	Ballinderry	137.5	Ballinderry	137.5	Upper Neagh Bann
Burndennet & Foyle	100.0	Lough Neagh	123.8	Blackwater	121.6	
Lower Bann	97.5	Blackwater	121.6	UPPER BANN	110.7	
Carlingford & Newry	91.4	UPPER BANN	110.7	Lough Neagh	123.8	Lower Neagh Bann
Lower Lough Erne	87.9	Lower Bann	97.5	Lower Bann	97.5	
Moyola	78.9	Carlingford & Newry	91.4	Moyola	78.9	
Six Mile	75.0	Moyola	78.9	Six Mile	75.0	
Upper Lough Erne	72.1	Six Mile	75.0	Braid & Main	51.4	
Roe	60.0	Braid & Main	51.4	South Down	105.3	Carlingford & Mourne
				Carlingford & Newry	91.4	
Glen & Rathlin	52.4	Strangford	193.3			
Braid & Main	51.4	Lagan	159.1	Strangford	193.3	Strangford & Lecale
Owenkillew	50.0	Belfast L	157.1	Quoile	100.0	
Larne	50.0	Bush	123.5	Lagan	159.1	Belfast & Lagan
Derg& Mourne	47.1	South Down	105.3	Belfast L	157.1	
Strule	45.0	Quoile	100.0	Bush	123.5	Bush & Glens
ARNEY	39.3	Glen & Rathlin	52.4	Glen & Rathlin	52.4	
Faughan	30.0	Larne	50.0	Larne	50.0	

Carlingford & Mourne Local Management Areas





Proposed Implementation Programme for Carlingford and Mourne CSG

Programme Year	LMA to focus attention on
2010	South Down
2011	Carlingford & Newry
Programme Year	Review situation in LMA
2013	South Down
2014	Carlingford & Newry

Any Questions ?
Discussion / Suggestions?

Reason for Failure and Percentage Failure Spreadsheet

RWBID	Name WB		Over	Inver	Macr	Fish	Pearl Mussel	Diatoms	Phytoplankton	DO	Phosphorus	P+I status	SURFACE
			all	brates	ophytes								WATER
			Statu	s	s	s							S
GBN11NE05050 1004	Copeland Water	Belfast Lough	3									3	3
GBN11NE05050 1118	Three Mile Water	Belfast Lough	4	4				4			3		4
GBN11NE05050 1120	Woodburn River	Belfast Lough	4	3	3	4		3					4
GBN11NE05050 2083	Crawfords burn River	Belfast Lough	4	4							3		4
GBN11NE05050 2084	Ballyholm e River	Belfast Lough	5	5		5					3		5
GBN13NE0028	Mourne	Belfast Lough	3		3				3		4		4
	Total No. WBs 7 Rivers plus Lakes	No. < Good	6	4	2	2		2	1	0	4	1	6
		< Mod	4	3	0	2		1	0	0	1	0	5
		No. Bad	1	1	0	1		0	0	0	0	0	1
		% < Good	85.7%	57.1%	28.6%	28.6%	0.0%	28.6%	14.3%	0.0%	57.1%	14.3%	85.7%
		< Moderate	57.1%	42.9%	0.0%	28.6%	0.0%	14.3%	0.0%	0.0%	14.3%	0.0%	71.4%
		% Bad	14.3%	14.3%	0.0%	14.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.3%

Reason for Failure and Percentage Failure Spreadsheet

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		< Mod	4	3	0	2		1	0	0	1	0	5
		No. Bad	1	1	0	1		0	0	0	0	0	1
		% < Good	85.7%	57.1%	28.6%	28.6%	0.0%	28.6%	14.3%	0.0%	57.1%	14.3%	85.7%
		< Moderate	57.1%	42.9%	0.0%	28.6%	0.0%	14.3%	0.0%	0.0%	14.3%	0.0%	71.4%
		% Bad	14.3%	14.3%	0.0%	14.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.3%

Proportion of Failing Water bodies and Eco Score

NE Assessment Rating												
Man Area	% < Good	Invertibrates	Macrophytes	FISH	Pearl Mussel	P & I	Number WBs <Mod	% <Mod	Number WBs <Bad	%Bad	Eco Score	Number of WBs
Glen & Rathlin	47.6%	33.3%	0.0%	4.8%	0%	9.5%	1	4.8%	0	0.0%	52.4	21
Bush	100.0%	88.2%	0.0%	0.0%	0%	5.9%	4	23.5%	0	0.0%	123.5	17
Larne	50.0%	0.0%	0.0%	0.0%	0%	0.0%	0	0.0%	0	0.0%	50.0	2
Belfast L	85.7%	57.1%	28.6%	28.6%	0%	14.3%	4	57.1%	1	14.3%	157.1	7
Lagan	100.0%	81.8%	27.3%	4.5%	0%	13.6%	9	40.9%	4	18.2%	159.1	22
Quoile	72.7%	54.5%	27.3%	9.1%	0%	9.1%	3	27.3%	0	0.0%	100.0	11
Strangford	100.0%	86.7%	26.7%	13.3%	0%	0.0%	11	73.3%	3	20.0%	193.3	15
South Down	78.9%	63.2%	31.6%	5.3%	0%	0.0%	4	21.1%	1	5.3%	105.3	19