North West River Basin Workshop

Autumn Meeting

17th November 2016

WELCOME

North West River Basin Workshop

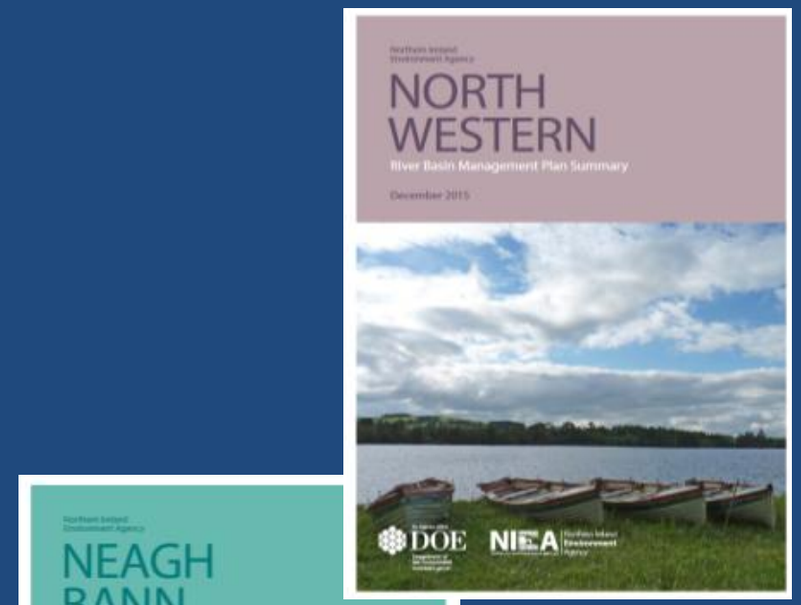
Time	Agenda Item
14:00	Welcome
14:05	Context – New department and structures Smarter use of resources River Basin Plans, 2021 targets
14:20	Focusing talk – Mark Horton, Ballinderry Rivers Trust
14:45	Coffee
15:00	Break-out groups – Collaborative Working
15:40	Group feed-back and concluding remarks
16:00	Finish

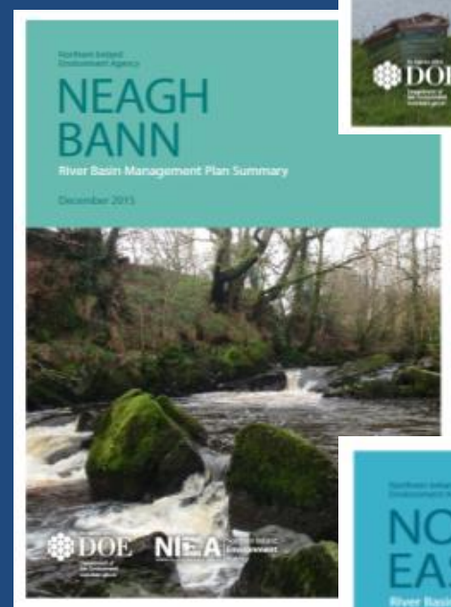
Background

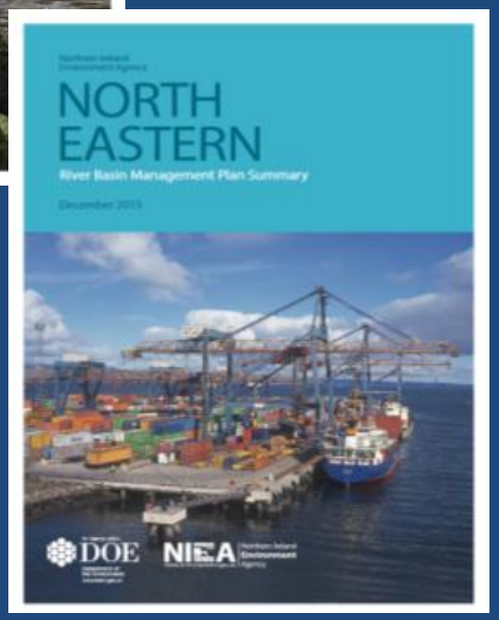
- The plans set out current status, objectives, and national measures for 2015-2021

- Progress report on measures due in 2018

- Next published classification will be in 2018





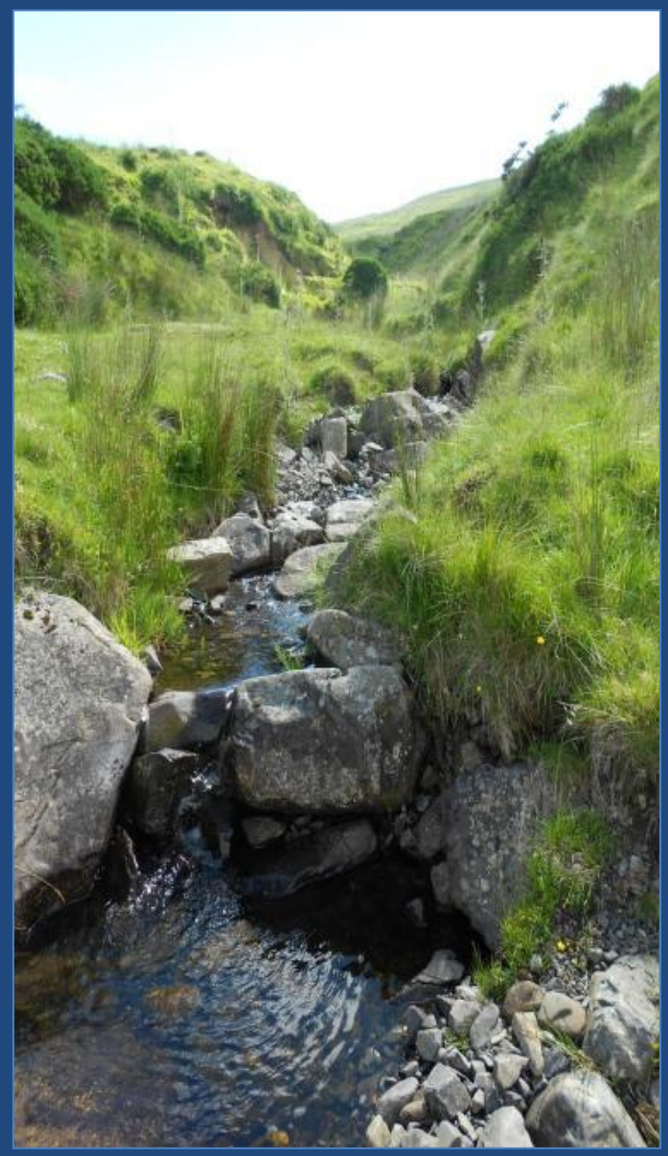


Status 2015 and Targets 2021 – % Good or better

Type	NW	NB	NE	All
STATUS				
All Surface waters	45	26	24	32
Groundwater	82	37	43	65
All WBs	52	27	26	37
TARGETS				
All Surface waters	85	69	52	70
Groundwater	82	37	43	65
All WBs	84	66	51	70

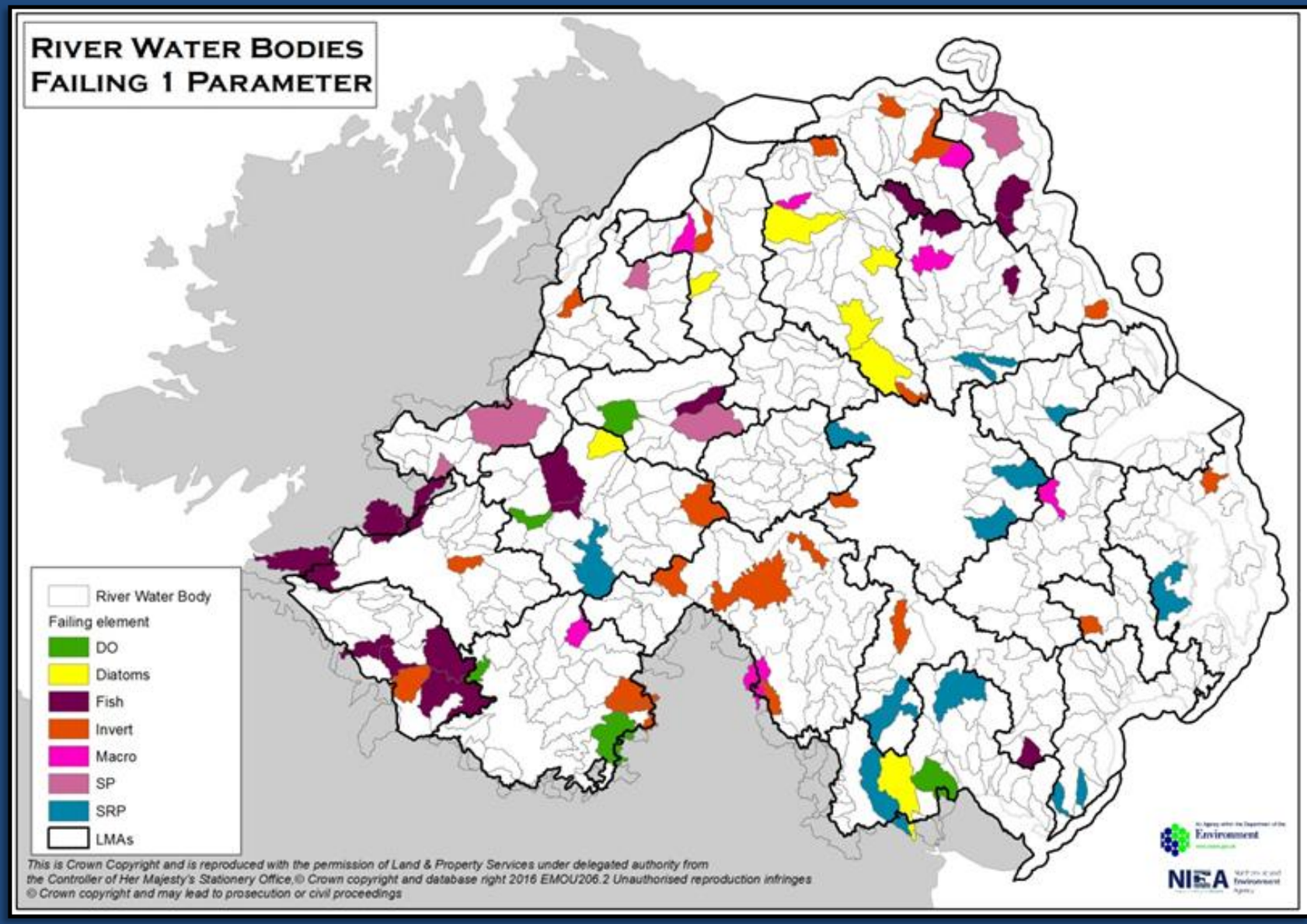
Projects for the North West

- All water bodies were reviewed for most up to date data and potential to reach objective of good.
- Reasons for failure and potential for improvement were examined by NIEA.
- Water bodies with a variety of known issues were selected for further investigation.



Water Management Unit Projects 2016-17
"Single Failing Element Project"

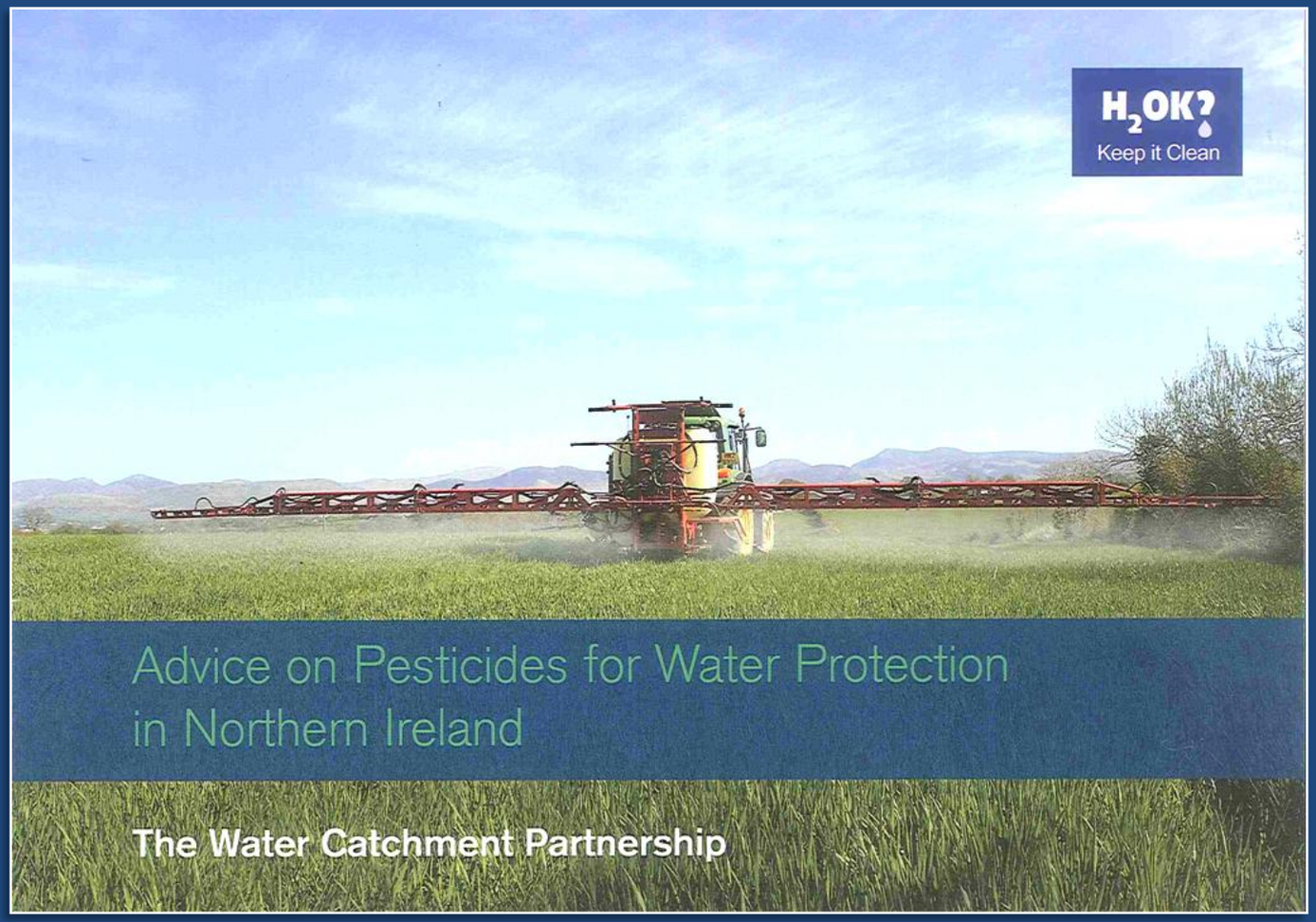
- 85 of 450 rivers fail on one element only (19%)
- If we can fix all of these, we will be on the way to 70% at good overall by 2021.



Water Management Unit Projects 2016-17
"Water Catchment Partnership"

<u>Tradeshow events attended</u>

- Balmoral Show
- Omagh Show
- Clogher Valley Show
- Fermanagh County Show
- Winter Fair



NIW funded a Farm Engagement Liaison Officer to visit approximately 1,394 residential and businesses addresses in Derg Catchment – 2016 MCPA results show a reduction

Have also carried out engagement visits and gave best practice pesticide advice in River Strule (main focus on the Newtownstewart/Plumbridge/Cranagh).

Amenity sector

Rush Control events

Water Management Unit Projects 2016-17
"Owenkillew Cypermethrin AA Investigation"

Current authorised dippers being inspected

Nearly 70% have been visited, the majority of which are no longer in use

Some restoration advice for dippers has been given.

Mobile units are next on the priority list

Water Management Unit Projects 2016-17
"Derg Felling and pH Project"

Aim – To assess the impact from forestry operations on the Glendergan river

Project will run from April 2015 to May 2016

River water chemistry, pH (river and rainfall), hydrology (river levels) and ecology (invertebrate and fish numbers) will be monitored.

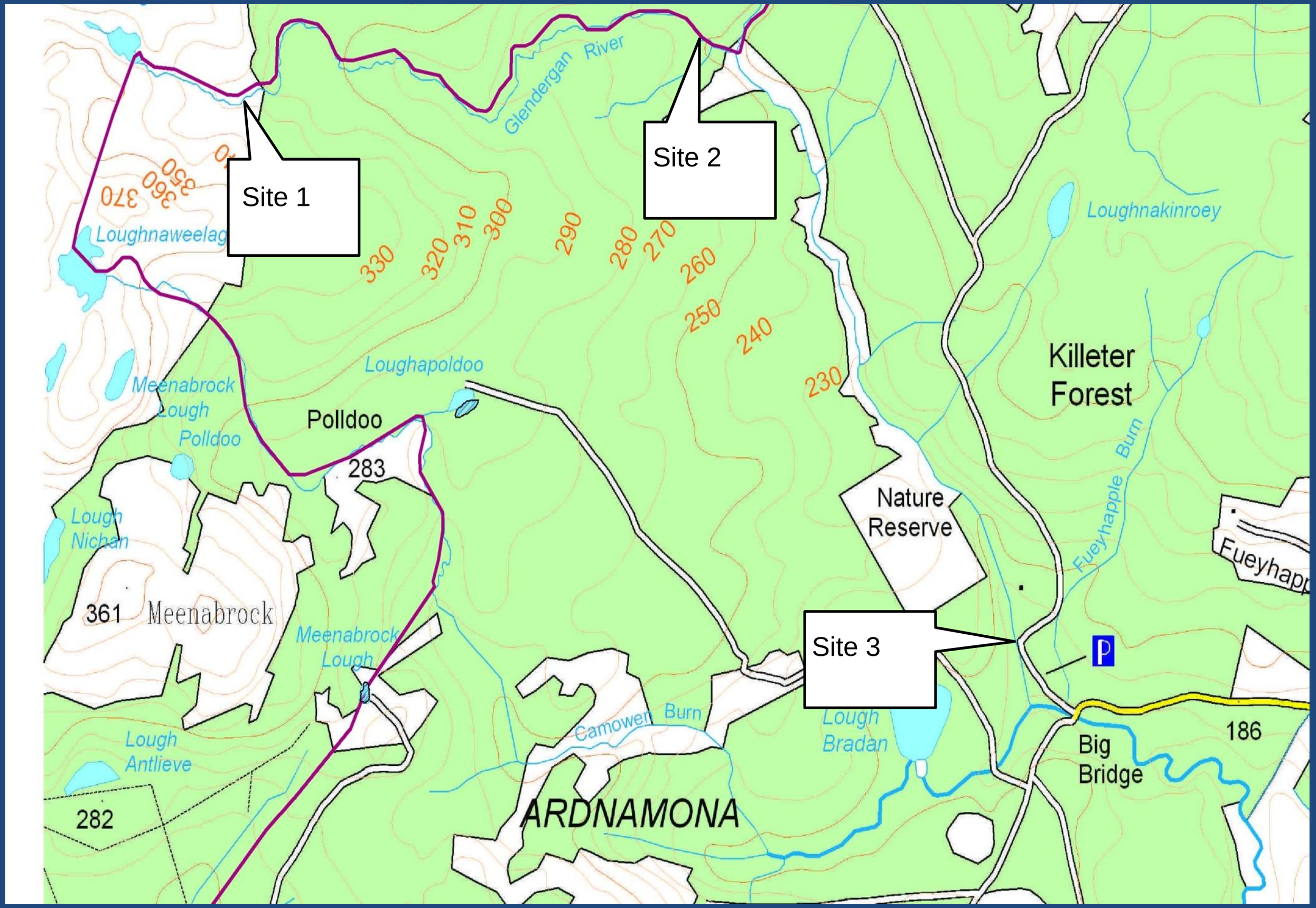
Four sites chosen

Site 1 – uppermost stretch of Glendergan – un-forested and the reference site

Site 2 – in forested area but not affected by forestry felling

Site 3 – in forested area and affected by forestry felling

Site 4 - located 4-5 km downstream of site 3 and will provide any indications of overall forestry influences on the Glendergan River


Site 1
Site 2
Site 3
Glendergan River
Loughnaweelag
Loughapoldoo
Meenabrock Lough
Polldoo
Polldoo
Lough Nichan
Meenabrock
Lough Antlieve
Killeter Forest
Loughnakinroey
Nature Reserve
Fueyhapple Burn
Fueyhapp
Camowen Burn
Lough Bradan
Big Bridge
ARDNAMONA
186
283
282
361
330
320
310
300
290
280
270
260
250
240
230
370
360
350

Water Management Unit Projects 2016-17
"Derg Felling and pH Project"

Short term project conclusions and recommendations –

A sufficient data set has been collected to draw conclusions on the state of the Glendergan River system.

Sufficient data has been collected before during and after the felling period to conclude that there was little/no effect on the quality of the Glendergan river in terms of Biology (invertebrates) or Chemistry (in-situ, inorganic and metal parameters).

The pH classification of the river under the new WFD standards was and remains at least good for the Glendergan River. Forestry practises in the area have had no implications on pH.

Thank you

steven.mcdowell@daera-ni.gov.uk

Workshop Questions

- Q1. How can you contribute to delivery of water quality in your area?

- Q2. In what ways can NIEA work with you to deliver water quality improvements in your area?

- Q3. What content would you like for the 2017 conference?