## **Local Management Areas**

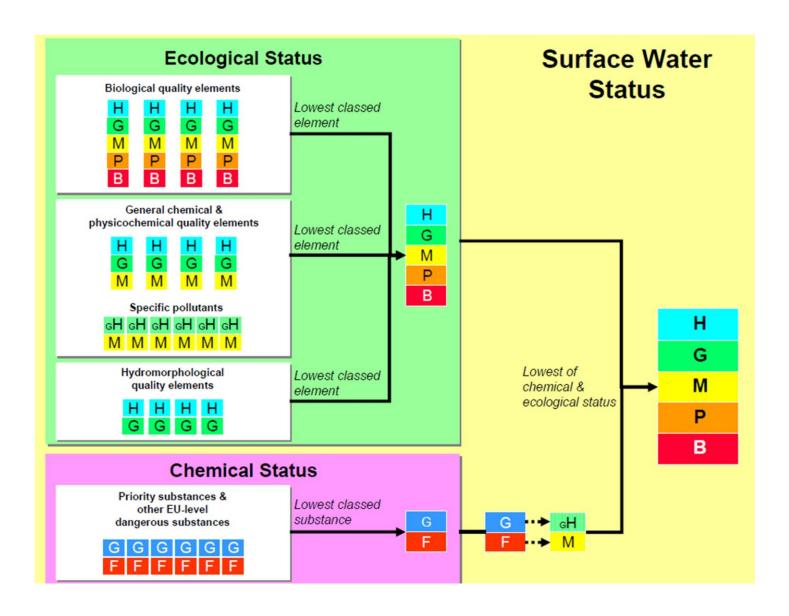
## Reasons for status for the water bodies within the Owenkillew LMA

December 2015









2015 Good Medium	2016	2017	2018	2019	2020	2021
Biolog	gical eler	nents				
Good High High						
Physicoc	hemical	elements	3			
High High High High						
Spec	cific pollu	tants				
Good/High						
Hydromorp	hological	elemen	ts <sup>1</sup>			
Good Good						
Priori	ity substa	inces				
	Good Medium  Biolog  Good High High High High High High High High	Good Medium  Biological eler  Good High High High High High High High High	Good Medium  Biological elements  Good High High High High High High High High	Biological elements  Good High High High High High High High High	Biological elements  Good High High High High High High High High	Biological elements  Good High High High High High High High High

Glenawisk Burn

North Western

Owenkillew

**Good Status** 

**Good Status** 

UKGBNI1NW010102023

Water body name:

2021 Objective:

2027 Objective:

**River Basin District:** 

Local management area:

Water body identification code:

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

Water body name: Cashel Burn Water body identification code: UKGBNI1NW010102024 **River Basin District:** North Western Local management area: Owenkillew 2021 Objective: **Good Status** 2027 Objective: **Good Status** 2016 2018 2019 2015 2017 2020 2021 **Overall status:** Good Confidence in overall status: High Biological elements\_\_\_\_\_ Benthic invertebrates High Macrophytes Good **Phytobenthos** High Physicochemical elements\_\_\_\_\_ Biochemical Oxygen Demand <sup>1</sup> High Temperature 1 High **Dissolved Oxygen** High рΗ High Soluble Reactive Phosphorus High \_Specific pollutants\_\_\_\_\_ Good/High Ammonia Arsenic (dissolved) Good/High Chromium (dissolved) Good/High Iron (dissolved) Good/High \_Hydromorphological elements 1\_\_\_\_\_ Hydrological regime Good Priority substances\_\_\_\_\_ Cadmium (dissolved) Good Lead (dissolved) Good

Good

Nickel (dissolved)

<sup>&</sup>lt;sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

Overall status: Confidence in overall status:	2015 Good Medium	2016	2017	2018	2019	2020	2021			
Biological elements										
Benthic invertebrates Macrophytes Phytobenthos	Good High Good									
Physicochemical elements										
Biochemical Oxygen Demand <sup>1</sup> Temperature <sup>1</sup> Dissolved Oxygen pH Soluble Reactive Phosphorus	High High High High High									
	Spec	ific pollu	tants							
Ammonia	Good/High									
	_Hydromorp	hological	element	:S <sup>1</sup>						
Hydrological regime	High									
	Priori	ty substa	inces							
BOD and temperature do not consupporting elements and only consumpting elements.				•	•		nts are			

Glenlark River

North Western

Owenkillew

**Good Status** 

**Good Status** 

UKGBNI1NW010102025

Water body name:

**River Basin District:** 

2021 Objective:

2027 Objective:

Local management area:

Water body identification code:

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

2021 Objective: Moderate Status 2027 Objective: **Moderate Status** 2016 2018 2017 2019 2020 2015 2021 Overall status: Moderate Medium Confidence in overall status: Biological elements\_\_\_\_\_ Benthic invertebrates High Macrophytes High **Phytobenthos** High Physicochemical elements\_\_\_\_\_ High Biochemical Oxygen Demand <sup>1</sup> Temperature 1 High Dissolved Oxygen Moderate pΗ High Soluble Reactive Phosphorus High Specific pollutants\_\_\_\_\_ Ammonia Good/High \_Hydromorphological elements <sup>1</sup>\_\_\_\_\_\_ Hydrological regime High Priority substances\_\_\_\_\_

Owenkillew River (Gortin)

UKGBNI1NW010102027

North Western

Owenkillew

Water body name:

**River Basin District:** 

Local management area:

Water body identification code:

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are

supporting elements and only contribute to overall classification as either high or good.

Water body name: Glenmacoffer Burn
Water body identification code: UKGBNI1NW010102043

River Basin District:

Local management area:

Owenkillew

2021 Objective:

Good Status

Good Status

Overall status: Confidence in overall status:	2015 Moderate Medium	2016	2017	2018	2019	2020	2021				
Biological elements											
Benthic invertebrates Macrophytes Phytobenthos	Moderate High High										
	Physicoch	emical e	elements				_				
Biochemical Oxygen Demand <sup>1</sup> Temperature <sup>1</sup> Dissolved Oxygen pH Soluble Reactive Phosphorus	High High High High High										
	Speci	fic pollut	ants								
Ammonia Arsenic (dissolved) Chromium (dissolved) Iron (dissolved)	Good/High Good/High Good/High Good/High										
	_Hydromorph	ological	element	s <sup>1</sup>							
Hydrological regime	Good										
	Priority	y substa	nces								
Cadmium (dissolved) Lead (dissolved) Nickel (dissolved)	Good Good Good										

<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are

supporting elements and only contribute to overall classification as either high or good.

2015 Good High	2016	2017	2018	2019	2020	2021
Biolog	gical eler	ments				
High High Good						
Physicoc	hemical	elements	5			_
High High High Good						
Spec	cific pollu	tants				
Good/High						
Hydromorp	hological	elemen	ts 1			
High Good						
Priori	ty substa	ances				
	Good High  Biolog  High Good  Physicoc  High High High Good  Spec  Good/High  Hydromorp  High Good	Good High  Biological eler  High High Good  Physicochemical  High High High High Good  Specific pollu  Good/High  Hydromorphological  High Good	Good High  Biological elements  High High Good  Physicochemical elements  High High High High Good  Specific pollutants  Good/High  Hydromorphological elements  High Good	Biological elements  High High Good  Physicochemical elements  High High High High Good  Specific pollutants  Good/High  Hydromorphological elements 1  High Good	Biological elements  High High Good  Physicochemical elements  High High High High Good  Specific pollutants  Good/High  Hydromorphological elements 1  High Good	Biological elements  Biological elements  High High Good  Physicochemical elements  High High High High Good  Specific pollutants  Good/High  Hydromorphological elements 1  High

Davagh Water

North Western

Owenkillew

**Good Status** 

**Good Status** 

UKGBNI1NW010102081

Water body name:

2021 Objective:

2027 Objective:

**River Basin District:** 

Local management area:

Water body identification code:

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

Overall status: Confidence in overall status:	2015 Good Medium	2016	2017	2018	2019	2020	2021		
	Biolog	gical eler	nents						
Benthic invertebrates Macrophytes Phytobenthos	Good High High								
Physicochemical elements									
Biochemical Oxygen Demand <sup>1</sup> Temperature <sup>1</sup> Dissolved Oxygen pH Soluble Reactive Phosphorus	High High High Good								
	Spec	ific pollu	tants						
Ammonia	Good/High								
	_Hydromorp	hological	element	ts 1					
Hydrological regime	High								
	Priori	ty substa	inces						

Owenreagh (East) River (Greencastle)

UKGBNI1NW010102091

North Western

Owenkillew

**Good Status** 

**Good Status** 

Water body name:

**River Basin District:** 

2021 Objective:

2027 Objective:

Local management area:

Water body identification code:

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

Overall status: Confidence in overall status:	2015 Good Medium	2016	2017	2018	2019	2020	2021
	Biolog	gical eler	nents				
Benthic invertebrates Macrophytes Phytobenthos	Good Good Good						
	Physicoc	hemical	elements	5			_
Biochemical Oxygen Demand <sup>1</sup> Dissolved Oxygen pH Soluble Reactive Phosphorus	High High High High						
	Spec	ific pollu	tants				
Ammonia	Good/High						
	_Hydromorp	hological	elemen	ts <sup>1</sup>			
Hydrological regime	High						
	Priori	ty substa	nces				

Glenknock Burn

North Western

Owenkillew

**Good Status** 

**Good Status** 

UKGBNI1NW010102096

Water body name:

2021 Objective:

2027 Objective:

**River Basin District:** 

Local management area:

Water body identification code:

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

Local management area: Owenkillew 2021 Objective: **Good Status** 2027 Objective: **Good Status** 2016 2018 2019 2015 2017 2020 2021 Overall status: Good Confidence in overall status: High Biological elements\_\_\_\_\_ Benthic invertebrates High Macrophytes High **Phytobenthos** High Physicochemical elements\_\_\_\_\_ Biochemical Oxygen Demand <sup>1</sup> High Temperature 1 High **Dissolved Oxygen** High рΗ High Soluble Reactive Phosphorus High Specific pollutants\_\_\_\_\_ Good/High Ammonia Arsenic (dissolved) Good/High Chromium (dissolved) Good/High Iron (dissolved) Good/High \_Hydromorphological elements 1\_\_\_\_\_ Hydrological regime Good Priority substances\_\_\_\_\_ Cadmium (dissolved) Good Lead (dissolved) Good Nickel (dissolved) Good <sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

Owenreagh (East) River (Drumlea)

UKGBNI1NW010104041

North Western

Water body name:

**River Basin District:** 

Water body identification code:

Water body name:
Water body identification code:
Wiver Basin District:
Owenkillew River (Drumlea)
UKGBNI1NW010104043
North Western

River Basin District:

Local management area:

Owenkillew

2021 Objective:

Moderate Status

Moderate Status

2016 2018 2019 2017 2020 2015 2021 Overall status: Good Confidence in overall status: Medium Biological elements\_\_\_\_\_ Benthic invertebrates Good Macrophytes Good **Phytobenthos** Good Physicochemical elements\_\_\_\_\_ Biochemical Oxygen Demand <sup>1</sup> High Temperature 1 High **Dissolved Oxygen** High рΗ High Soluble Reactive Phosphorus High Specific pollutants\_\_\_\_\_ Good/High Ammonia Arsenic (dissolved) Good/High Chromium (dissolved) Good/High Iron (dissolved) Good/High \_Hydromorphological elements 1\_\_\_\_\_ Hydrological regime High Priority substances\_\_\_\_\_ Cadmium (dissolved) Good Lead (dissolved) Good Nickel (dissolved) Good

<sup>&</sup>lt;sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

Water body name: Coneyglen Burn Water body identification code: UKGBNI1NW010102085 North Western **River Basin District:** Local management area: Owenkillew 2021 Objective: **Good Status** 2027 Objective: **Good Status** 2016 2017 2018 2019 2015 2020 2021 **Overall status:** Moderate Confidence in overall status: Medium Biological elements\_\_\_\_\_ Benthic invertebrates Good Macrophytes High **Phytobenthos** Good Fish **Moderate** Physicochemical elements\_\_\_\_\_ Biochemical Oxygen Demand <sup>1</sup> High Temperature 1 High **Dissolved Oxygen** High pН High Soluble Reactive Phosphorus High Specific pollutants\_\_\_\_\_ Good/High Ammonia Good/High Arsenic (dissolved) Chromium (dissolved) Good/High Cypermethrin<sup>2</sup> **Moderate** 2.4-D Good/High Good/High Diazinon Glyphosate Good/High Iron (dissolved) Good/High Good/High Linuron Mecoprop Good/High Permethrin Good/High \_Hydromorphological elements 1\_\_\_\_\_\_ Hydrological regime <u>High</u> Morphological conditions High

\_\_Priority substances\_\_\_\_\_

Atrazine Good
Cadmium (dissolved) Good
Chlorpyriphos Good
Diuron Good

Isoproturon
Lead (dissolved)
Mercury (dissolved)
Simazine
Good
Good
Good
Good
Good
Good
Good

<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

<sup>2</sup> For overall status cypermethrin has been assessed alongside biological elements.

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

Water body name: Owenkillew River (Glenhull)
Water body identification code: UKGBNI1NW010102086

River Basin District:

Local management area:

2021 Objective:

Moderate Status

Moderate Status

Overall status: Confidence in overall status:	2015 <mark>Moderate</mark> High	2016	2017	2018	2019	2020	2021			
Biological elements										
Benthic invertebrates Macrophytes Phytobenthos Fish	High High Good Good									
	Physicoch	nemical e	elements				_			
Biochemical Oxygen Demand <sup>1</sup> Temperature <sup>1</sup> Dissolved Oxygen pH Soluble Reactive Phosphorus	High High High Good									
Specific pollutants										
Ammonia Arsenic (dissolved) Chromium (dissolved) Cypermethrin <sup>2</sup> 2,4-D Diazinon Glyphosate Iron (dissolved) Linuron Mecoprop Permethrin	Good/High Good/High Good/High Moderate Good/High Moderate Good/High Moderate Good/High Good/High Good/High	nological	element	s <sup>1</sup>						
Hydrological regime	High									
Morphological conditions	Good									
	Priorit	y substa	nces							
Atrazine Cadmium (dissolved) Chlorpyriphos Diuron	Good Good Good									

Isoproturon
Lead (dissolved)
Mercury (dissolved)
Simazine
Good
Good
Good
Good
Good
Good
Good

<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

<sup>2</sup> For overall status cypermethrin has been assessed alongside biological elements.

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

Water body name: Glenelly River Water body identification code: UKGBNI1NW010104040 **River Basin District:** North Western Local management area: Owenkillew 2021 Objective: **Good Status** 2027 Objective: **Good Status** 2016 2017 2018 2019 2015 2020 2021 **Overall status:** Moderate Confidence in overall status: Medium Biological elements\_\_\_\_\_ Benthic invertebrates Good Macrophytes High **Phytobenthos** High Fish **Moderate** Physicochemical elements\_\_\_\_\_ Biochemical Oxygen Demand <sup>1</sup> High Temperature 1 High **Dissolved Oxygen** High pН High Soluble Reactive Phosphorus High Specific pollutants\_\_\_\_\_ Good/High Ammonia Good/High Arsenic (dissolved) Chromium (dissolved) Good/High Cypermethrin<sup>2</sup> **Moderate** 2.4-D Good/High Good/High Diazinon Glyphosate Good/High Iron (dissolved) Good/High Linuron Good/High Mecoprop Good/High Good/High Permethrin \_Hydromorphological elements 1\_\_\_\_\_\_ Hydrological regime High

\_Priority substances\_\_\_\_\_

Atrazine Good
Cadmium (dissolved) Good
Chlorpyriphos Good
Diuron Good
Isoproturon Good

Lead (dissolved) Mercury (dissolved) Nickel (dissolved) Simazine



<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

<sup>2</sup> For overall status cypermethrin has been assessed alongside biological elements.

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

Water body name: Owenkillew River (Killymore)
Water body identification code: UKGBNI1NW010102028

River Basin District:

Local management area:

2021 Objective:

North Western

Owenkillew

Moderate Status

Moderate Status

Overall status: Confidence in overall status:	2015 Good Medium	2016	2017	2018	2019	2020	2021
	Biolog	gical elen	nents				
Benthic invertebrates Macrophytes Phytobenthos Fish	High High Good High						
	Physicoc	hemical e	elements				_
Biochemical Oxygen Demand <sup>1</sup> Temperature <sup>1</sup> Dissolved Oxygen pH Soluble Reactive Phosphorus	Good High High High High						
	Spec	ific pollut	ants				
Ammonia Arsenic (dissolved) Chromium (dissolved) Iron (dissolved) Toluene	Good/High Good/High Good/High Good/High						
	Hydromorp	hological	element	s <sup>1</sup>			
Hydrological regime Morphological conditions	High Good	l					
<del></del>	Priori	ty substa	nces				
Benzene Brominated diphenylether Cadmium (dissolved) Lead (dissolved) Mercury (dissolved) Mercury (biota) <sup>3</sup> Nickel (dissolved)	Good Good Good Good Fail Good						

- <sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.
- <sup>3</sup> Only pilot monitoring has been undertaken to date and therefore insufficient data is available to include in the assessment of overall status.