

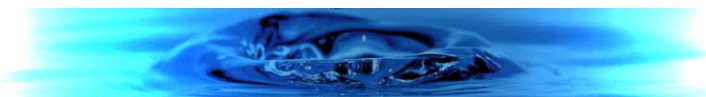


# Map 41: Kinsale

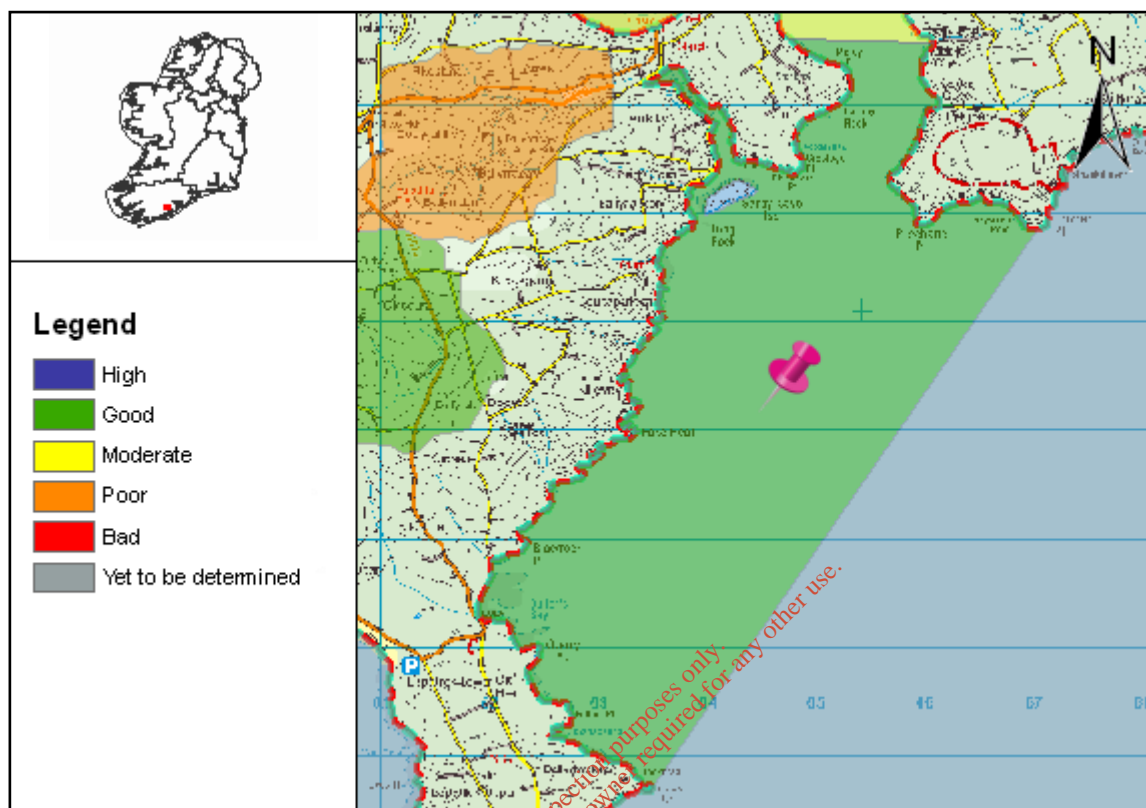
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 Date: December 2008

1:50,000

Designated Shellfish Water

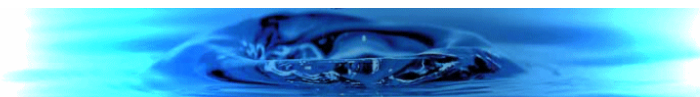


### Full Report for Waterbody Kinsale Harbour



Date Reported to Europe: 22/12/2008

Date Report Created 19/08/2009



Summary Information:

WaterBody Category: Coastal Waterbody

WaterBody Name: Kinsale Harbour

WaterBody Code: IE\_SW\_080\_0000

Overall Status: Good

Overall Objective: Protect

Overall Risk: 2b Not At Risk

Applicable Supplementary Measures: Urban & Industrial;

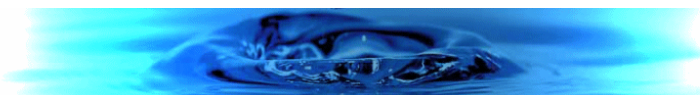
Report data based upon Draft RBMP, 22/12/2008.



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Date Reported to Europe: 22/12/2008

Date Report Created 19/08/2009



Status Report

WaterBody Category: Coastal Waterbody

WaterBody Name: Kinsale Harbour

WaterBody Code: IE\_SW\_080\_0000

Overall Status Result: **Good**

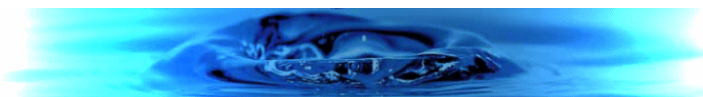


	Status Element Description	Result
EX	Status from Monitored or Extrapolated Waterbody	True
	General Conditions	
DIN	Dissolved Inorganic Nitrogen	Good
MRP	Molybdate Reactive Phosphorus	High
DO	Dissolved Oxygen as percent saturation	Good
BOD	Biochemical Oxygen Demand	High
T	Temperature	Pass
	Biological Elements	
PB	Phytoplankton - Phytoblooms	
PBC	Phytoplankton - PhytoBiomass (Chlorophyll)	High
MA	Macroalgae	
RSL	Reduced Species List	Good
SG	Angiosperms - Seagrass and Saltmarsh	
BE	Benthic Invertebrates	
FI	Fish	
	HydroMorphology	
HY	Hydrology	
MO	Morphology	At least good
	Specific Pollutants	
SP	Specific Relevant Pollutants (Annex VII)	
	Conservation Status	
CN	Conservation Status (Expert Judgement)	Good
	Protected Area Status	
PA	Overall Protected Area Status	At least good

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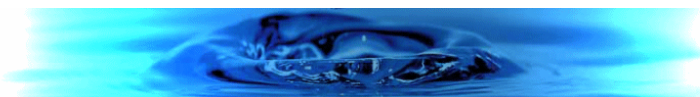


	Overall Status	
ES	Ecological Status	Good
CS	Chemical Status	
O	Overall Ecological Status	Good

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Date Report Created 19/08/2009



Risk Report

WaterBody Category: Coastal Waterbody

WaterBody Name: Kinsale Harbour

WaterBody Code: IE\_SW\_080\_0000

Overall Risk Result: **2b** Not At Risk

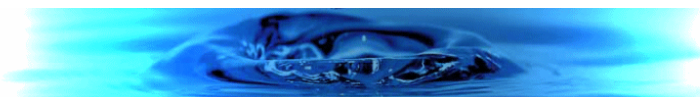


Risk Test Description	Risk
<b>Point Risk Sources</b>	
CP1 WWTPs (2008)	<b>2b</b> Not At Risk
CP2 CSOs	
CP3 IPPCs (2008)	<b>2b</b> Not At Risk
CP4 Section 4s (2008)	<b>2b</b> Not At Risk
CPO Overall Risk from Point Sources - Worst Case (2008)	
<b>Morphological Risk Sources</b>	
MOR Overall Morphological Risk - Worst Case	<b>2b</b> Not At Risk
<b>Marine Direct Impacts</b>	
MDI1 Dangerous Substances	
MDI2 OSPAR	
MDI3 UWWT Regs Designations	
MDI Marine Direct Impacts Overall - Worst Case	
O	
<b>Overall Risk</b>	
CP Worst case of Point and Marine Direct Impacts Overall (2008)	<b>2b</b> Not At Risk
RA Coastal Risk Overall - Worst case (2008)	<b>2b</b> Not At Risk

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Date Reported to Europe: 22/12/2008

Date Report Created 19/08/2009



Objectives Report

WaterBody Category: Coastal Waterbody

WaterBody Name: Kinsale Harbour

WaterBody Code: IE\_SW\_080\_0000

Overall Objective: **Protect**

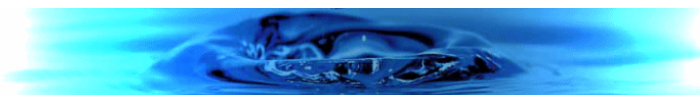


	Objectives Description	Result
	<b>Objectives</b>	
OB1	Objective 1 - Protected Areas	Not Applicable
OB2	Objective 2 - Protect High and Good Status	<b>Protect</b>
OB3	Objective 3 - Restore Less Than Good Status	Not Applicable
OB4	Objective 4 - Reduce Chemical Pollution	Not Applicable
OBO	Overall Objective	<b>Protect</b>
	<b>Deadline</b>	
YR	Default Year by which the objective must be met	2015
OBO	Overall Objective and Deadline	<b>Protect</b>

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Date Report Created 19/08/2009



Basic Measures Report

WaterBody Category: Coastal Waterbody

WaterBody Name: Kinsale Harbour

WaterBody Code: IE\_SW\_080\_0000

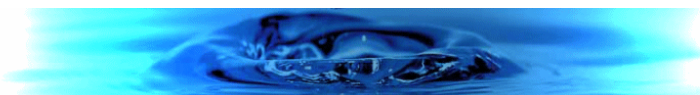


	Basic Measures Description	Applicable
	Key Directives	
BA	Bathing Waters Directive	No
BI	Birds Directive	No
HA	Habitats Directive	No
DW	Drinking Waters Directive	No
SEV	Major Accidents and Emergencies (Seveso) Directive	Yes
EIA	Environmental Impact Assessment Directive	Yes
SE	Sewage Sludge Directive	Yes
UW	Urban Waste Water Treatment Directive	No
PL	Plant Protection Products Directive	Yes
NI	Nitrates Directive	Yes
IP	Integrated Pollution Prevention Control Directive	Yes
	Other Stipulated Measures	
CR	Cost recovery for water use	Yes
SU	Promotion of efficient and sustainable water use	No
DWS	Protection of drinking water sources	No
AB	Control of abstraction and impoundments	No
PT	Control of point source discharges	Yes
DI	Control of diffuse source discharges	Yes
GWD	Authorisation of discharges to groundwater	No
PS	Control of priority substances	Yes
MOR	Control of physical modifications to surface waters	Yes
OA	Controls on other activities impacting on water status	Yes
AP	Prevention or reduction of the impact of accidental pollution incidents	Yes

Date Reported to Europe: 22/12/2008

Date Report Created 19/08/2009





Urban and Industrial Discharges Supplementary Measures Report

WaterBody Category: Coastal Waterbody

WaterBody Name: Kinsale Harbour

WaterBody Code: IE\_SW\_080\_0000



	Point discharges to waters from municipal and industrial sources	Result
PINDDIS	Is there one or more industrial discharge (Section 4 licence issued by the local authority or IPPC licence issued by the EPA) contained within the water body?	No
PINDDISR	Are there industrial discharges (Section 4 licence issued by the local authority or IPPC licence issued by the EPA) that cause the receiving water to be 'At Risk' within the water body?	No
PB1	Basic Measure 1 - Measures for improved management.	No
PB2	Basic Measure 2 - Optimise the performance of the waste water treatment plant by the implementation of a performance management system.	No
PB3	Basic Measure 3 - Revise existing Section 4 license conditions and reduce allowable pollution load.	No
PB4	Basic Measure 4 - Review existing IPPC license conditions and reduce allowable pollution load.	No
PB5	Basic Measure 5 - Investigate contributions to the collection system from unlicensed discharges.	No
PB6	Basic Measure 6 - Investigate contributions to the collection system of specific substances known to impact ecological status.	No
PB7	Basic Measure 7 - Upgrade WWTP to increase capacity.	No
PB8	Basic Measure 8 - Upgrade WWTP to provide nutrient removal treatment.	No
PS1	Supplementary Measure 1 - Measures intended to reduce loading to the treatment plant.	No
PS2	Supplementary Measure 2 - Impose development controls where there is, or is likely to be in the future, insufficient capacity at treatment plants.	No
PS3	Supplementary Measure 3 - Initiate investigations into characteristics of treated wastewater for parameters not presently required to be monitored under the urban wastewater treatment directive.	No
PS4	Supplementary Measure 4 - Initiate research to verify risk assessment results and determine the impact of the discharge.	No
PS5	Supplementary Measure 5 - Use decision making tools in point source discharge management.	No
PS6	Supplementary Measure 6 - Install secondary treatment at plants where this level of treatment is not required under the urban wastewater treatment directive.	No
PS7	Supplementary Measure 7 - Apply a higher standard of treatment (stricter emission controls) where necessary.	No

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Date Report Created 19/08/2009

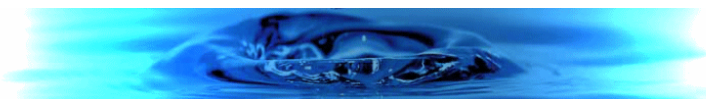


PS8	Supplementary Measure 8 - Upgrade the plant to remove specific substances known to impact on water quality status.	No
PS9	Supplementary Measure 9 - Install ultra-violet or similar type treatment.	No
PS10	Supplementary Measure 10 - Relocate the point of discharge.	No

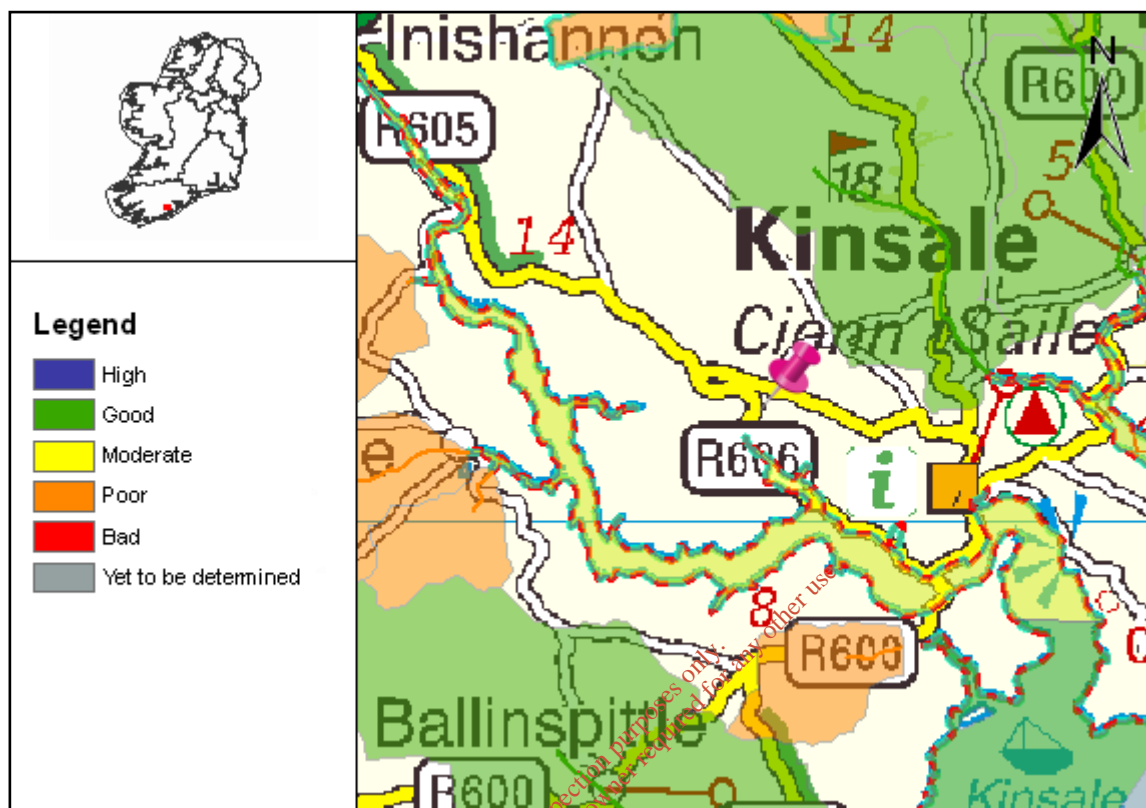
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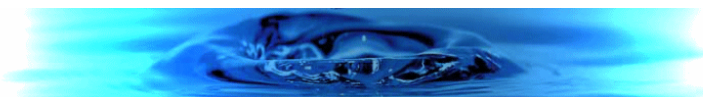
Full Report for Waterbody Lower Bandon Estuary



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Date Reported to Europe: 22/12/2008

Date Report Created 19/08/2009



Summary Information:

WaterBody Category: Transitional Waterbody

WaterBody Name: Lower Bandon Estuary

WaterBody Code: IE\_SW\_080\_0100

Overall Status: **Moderate**

Overall Objective: **Restore**

Overall Risk: **1a** At Risk

Applicable Supplementary Measures: Urban & Industrial;

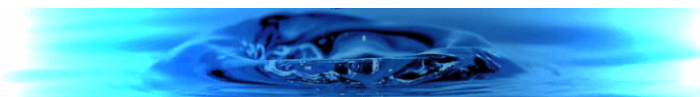
Report data based upon Draft RBMP, 22/12/2008.



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Status Report

WaterBody Category: Transitional Waterbody

WaterBody Name: Lower Bandon Estuary

WaterBody Code: IE\_SW\_080\_0100

Overall Status Result: **Moderate**

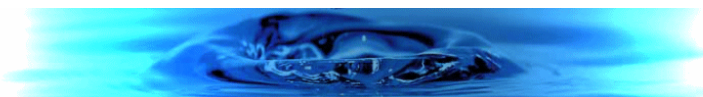


	Status Element Description	Result
EX	Status from Monitored or Extrapolated Waterbody	True
	General Conditions	
DIN	Dissolved Inorganic Nitrogen	Moderate
MRP	Molybdate Reactive Phosphorus	High
DO	Dissolved Oxygen as percent saturation	Moderate
BOD	Biochemical Oxygen Demand	Moderate
T	Temperature	TAV
	Biological Elements	
PB	Phytoplankton - Phytoblooms	
PBC	Phytoplankton - PhytoBiomass (Chlorophyll)	Moderate
MA	Macroalgae	
RSL	Reduced Species List	
SG	Angiosperms - Seagrass and Saltmarsh	
BE	Benthic Invertebrates	
FI	Fish	Good
	HydroMorphology	
HY	Hydrology	
MO	Morphology	Less than Good
	Specific Pollutants	
SP	Specific Relevant Pollutants (Annex VII)	Fail
	Conservation Status	
CN	Conservation Status (Expert Judgement)	Moderate
	Protected Area Status	
PA	Overall Protected Area Status	Less than good

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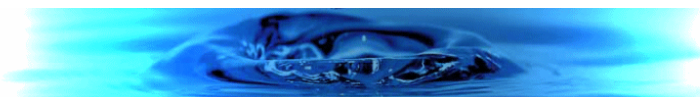


	Overall Status	
ES	Ecological Status	Moderate
CS	Chemical Status	Pass
O	Overall Ecological Status	Moderate

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Date Reported to Europe: 22/12/2008

Date Report Created 19/08/2009



Risk Report

WaterBody Category: Transitional Waterbody

WaterBody Name: Lower Bandon Estuary

WaterBody Code: IE\_SW\_080\_0100

Overall Risk Result: **1a** At Risk

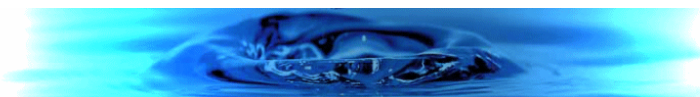


Risk Test Description	Risk
<b>Point Risk Sources</b>	
TP1 WWTPs (2008)	<b>1a</b> At Risk
TP2 CSOs	<b>1b</b> Probably At Risk
TP3 IPPCs (2008)	<b>2b</b> Not At Risk
TP4 Section 4s (2008)	<b>2b</b> Not At Risk
TPO Overall Risk from Point Sources - Worst Case (2008)	<b>1a</b> At Risk
<b>Hydrology</b>	
THY1 Water balance - Abstraction	<b>2b</b> Not At Risk
<b>Marine Direct Impacts</b>	
TMDI Dangerous Substances 1	
TMDI OSPAR 2	<b>1a</b> At Risk
TMDI UWWT Regs Designations 3	<b>1a</b> At Risk
TMDI Marine Direct Impacts Overall - Worst Case O	<b>1a</b> At Risk
<b>Point / MDI Worst Case</b>	
TPOL Worst case of Point Overall and MDI Overall (MIMAS) Morphological Risk - Worst Case (2008)	<b>1a</b> At Risk
<b>Overall Risk</b>	
RA Transitional Overall - Worst Case (MIMAS) Morphological Risk - Worst Case (2008)	<b>1a</b> At Risk

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Date Reported to Europe: 22/12/2008

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Objectives Report

WaterBody Category: Transitional Waterbody

WaterBody Name: Lower Bandon Estuary

WaterBody Code: IE\_SW\_080\_0100

Overall Objective: **Restore**



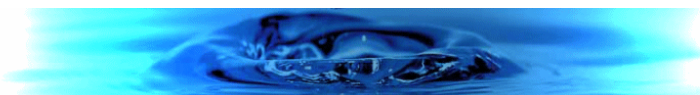
	Objectives Description	Result
	<b>Objectives</b>	
OB1	Objective 1 - Protected Areas	<b>Restore</b>
OB2	Objective 2 - Protect High and Good Status	Not Applicable
OB3	Objective 3 - Restore Less Than Good Status	Not Applicable
OB4	Objective 4 - Reduce Chemical Pollution	Not Applicable
OBO	Overall Objective	<b>Restore</b>
	<b>Deadline</b>	
YR	Default Year by which the objective must be met	2015
OBO	Overall Objective and Deadline	<b>Restore - 2015</b>

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Basic Measures Report

WaterBody Category: Transitional Waterbody

WaterBody Name: Lower Bandon Estuary

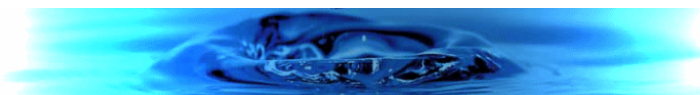
WaterBody Code: IE\_SW\_080\_0100



	Basic Measures Description	Applicable
	Key Directives	
BA	Bathing Waters Directive	No
BI	Birds Directive	No
HA	Habitats Directive	No
DW	Drinking Waters Directive	No
SEV	Major Accidents and Emergencies (Seveso) Directive	Yes
EIA	Environmental Impact Assessment Directive	Yes
SE	Sewage Sludge Directive	Yes
UW	Urban Waste Water Treatment Directive	No
UW	Urban Waste Water Treatment Directive	No
PL	Plant Protection Products Directive	Yes
NI	Nitrates Directive	Yes
IP	Integrated Pollution Prevention Control Directive	Yes
	Other Stipulated Measures	
CR	Cost recovery for water use	Yes
SU	Promotion of efficient and sustainable water use	No
DWS	Protection of drinking water sources	No
AB	Control of abstraction and impoundments	No
PT	Control of point source discharges	Yes
DI	Control of diffuse source discharges	Yes
GWD	Authorisation of discharges to groundwater	No
PS	Control of priority substances	Yes
MOR	Control of physical modifications to surface waters	Yes
OA	Controls on other activities impacting on water status	Yes
AP	Prevention or reduction of the impact of accidental pollution incidents	Yes

Date Reported to Europe: 22/12/2008

Date Report Created 19/08/2009



Urban and Industrial Discharges Supplementary Measures Report

WaterBody Category: Transitional Waterbody

WaterBody Name: Lower Bandon Estuary

WaterBody Code: IE\_SW\_080\_0100



	Point discharges to waters from municipal and industrial sources	Result
PINDDIS	Is there one or more industrial discharge (Section 4 licence issued by the local authority or IPPC licence issued by the EPA) contained within the water body?	Yes
PINDDISR	Are there industrial discharges (Section 4 licence issued by the local authority or IPPC licence issued by the EPA) that cause the receiving water to be 'At Risk' within the water body?	No
PB1	Basic Measure 1 - Measures for improved management.	Yes
PB2	Basic Measure 2 - Optimise the performance of the waste water treatment plant by the implementation of a performance management system.	No
PB3	Basic Measure 3 - Revise existing Section 4 license conditions and reduce allowable pollution load.	No
PB4	Basic Measure 4 - Review existing IPPC license conditions and reduce allowable pollution load.	No
PB5	Basic Measure 5 - Investigate contributions to the collection system from unlicensed discharges.	Yes
PB6	Basic Measure 6 - Investigate contributions to the collection system of specific substances known to impact ecological status.	Yes
PB7	Basic Measure 7 - Upgrade WWTP to increase capacity.	Yes
PB8	Basic Measure 8 - Upgrade WWTP to provide nutrient removal treatment.	No
PS1	Supplementary Measure 1 - Measures intended to reduce loading to the treatment plant.	Yes
PS2	Supplementary Measure 2 - Impose development controls where there is, or is likely to be in the future, insufficient capacity at treatment plants.	Yes
PS3	Supplementary Measure 3 - Initiate investigations into characteristics of treated wastewater for parameters not presently required to be monitored under the urban wastewater treatment directive.	No
PS4	Supplementary Measure 4 - Initiate research to verify risk assessment results and determine the impact of the discharge.	No
PS5	Supplementary Measure 5 - Use decision making tools in point source discharge management.	No
PS6	Supplementary Measure 6 - Install secondary treatment at plants where this level of treatment is not required under the urban wastewater treatment directive.	No
PS7	Supplementary Measure 7 - Apply a higher standard of treatment (stricter emission controls) where necessary.	No

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PS8	Supplementary Measure 8 - Upgrade the plant to remove specific substances known to impact on water quality status.	No
PS9	Supplementary Measure 9 - Install ultra-violet or similar type treatment.	No
PS10	Supplementary Measure 10 - Relocate the point of discharge.	No

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