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| Option | ALTRI-ALTRI_001_Std-W2.n Altrinckham | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Altrinckham Wastewater Treatment Works into the Sinderland Brook water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Not designated | |
| Water body ID | GB112069060980 | |
| Water body name | Sinderland Brook | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---|------------|------------------------|-----------|-------|---|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Yellow | | Probable | Probable | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration and impede the target of good status in the phys-chem status elements (particularly Phosphate) and biological elements (particularly macrophytes and phytobenthos).</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | Compliant (low conf.) | | | |
| Invertebrates | Orange | | | Suspected | | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Macrophytes/ phytobenthos | Yellow | | | | Confirmed | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Phys-chem water quality (in support of ecological status) | Yellow | Mod.for DO (unknown) and poor for phosphate (urbanisations - conf.; continuous sewage discharge - conf; misconnections - prob.) | | | | | | | Compliant (low conf.) | Compliant (low conf.) | | |
| Chemicals | Red | Failed for mercury, PFOS and PBDE | | | | | | | Compliant (low conf.) | Compliant (low conf.) | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | BLACK-BLACK_001_Std-W2.n Blackburn | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Blackburn Wastewater Treatment Works into the Darwen - conf Roddlesworth to tidal water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Not designated | |
| Water body ID | GB112071065300 | |
| Water body name | Darwen - conf Roddlesworth to tidal | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--|--|------------|------------------------|-----------|-------|--|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | | | Confirmed | Confirmed | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration and impede the target of good status in the phys-chem status elements (particularly Phosphate) and biological elements (all of the biological elements indicate wastewater treatment works discharge as a RNAG). There are also chemical elements that indicate wastewater treatment works as a reason for failure that could be increased as a result of the increased discharge.</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | Compliant (low conf.) | | | |
| Invertebrates | | | | | Confirmed | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Macrophytes/ phytobenthos | | | | Confirmed | | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Phys-chem water quality (in support of ecological status) | | Poor for phosphate (misconnections - suspected; poor nutrient management - probable; continuous sewage discharge - confirmed). | | | | | | | Compliant (low conf.) | Compliant (low conf.) | | |
| Chemicals | | Failed for Benzo(b)fluoranthene, Benzo(g-h-i)perylene, Mercury, PBDE and Tributyltin Compounds | | | | | | | Compliant (low conf.) | Compliant (low conf.) | | |
| RBMP2 water body measures | Additional treatment to reduce concentrations of nutrients from Blackburn Wastewater Treatment Works | | | | | | | This measure would not be impeded with the concentrations from the wastewater treatment works not being increased. | Compliant (med. conf.) | Compliant (med. conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | BURSC-BURSC_001_Std-W2.n Burscough | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Burscough Wastewater Treatment Works into the Back Drain and Sluice water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112070064880 | |
| Water body name | Back Drain and Sluice | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---|------------|------------------------|-----------|-------|---|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly Phosphate) and biological elements (particularly invertebrates).</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | | | | Confirmed | Confirmed | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | Bad for DO (continuous sewage discharge - confirmed; landfill leaching - confirmed); Poor for phosphate (continuous sewage discharge - confirmed) | | | | | | | Compliant (low conf.) | n/a | | |
| Chemicals | | Failed for mercury and PBDE | | | | | | | Compliant (low conf.) | n/a | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | BROMB-BROMB_001_Std-W2.n Bromborough | | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Bromborough Wastewater Treatment Works into the Mersey water body. This could lead to in-channel habitat changes, changes in water quality and geomorphological features. |
| Water body type | Transitional Water | | |
| Hydromorph designation | Heavily modified | | |
| Water body ID | GB531206908100 | | |
| Water body name | Mersey | | |

| Baseline Status | | | Assessment of component | | |
|--|--------------------|---|--|--|---|
| Status element | Draft RBMP3 status | Reasons for not achieving good status | Assessment | Potential for deterioration | Potential for introduction of impediments |
| Phytoplankton | | Unknown | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a |
| Angiosperms | Not assessed | | | Compliant (low conf.) | n/a |
| Macroalgae | High | | | Compliant (low conf.) | n/a |
| Invertebrates | | | | Compliant (low conf.) | n/a |
| Fish | Not assessed | | | Compliant (low conf.) | n/a |
| Phys-chem water quality (in support of ecological status) | | Mod. for DIN (unknown) | | Compliant (low conf.) | n/a |
| Chemicals | | Failed for: Benzo(g-h-i)perylene, Heptachlor and cis-Heptachlor epoxide, mercury, PBDE, 1,2-dichloroethane, Dichlorvos (Priority) | | Compliant (low conf.) | n/a |
| RBMP2 water body measures | None | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | Compliant (low conf.) | |

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| Option | CARLI-CARLI_001_Std-W2.n Carlisle | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Carlisle Wastewater Treatment Works into the Eden - Eamont to tidal water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Not designated | |
| Water body ID | GB102076073940 | |
| Water body name | Eden - Eamont to tidal | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---------------------------|------------|------------------------|-----------|-------|--|-----------------------------|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | High | | | | | | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a | | | |
| Invertebrates | High | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | High | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | High | | | | | | | Compliant (low conf.) | n/a | | | |
| Chemicals | High | Fail for mercury and PBDE | | | | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| RBMP2 water body measures | None | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | CRNFT-CRNFT_001_Std-W2.n Canforth | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Canforth Wastewater Treatment Works into the Kent water body. This could lead to in-channel habitat changes, changes in water quality and geomorphological features. |
| Water body type | Transitional Water | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB531207312000 | |
| Water body name | Kent | |

| Baseline Status | | Assessment of component | | | |
|---|--------------------|---------------------------------------|--|--|---|
| Status element | Draft RBMP3 status | Reasons for not achieving good status | Assessment | Potential for deterioration | Potential for introduction of impediments |
| Phytoplankton | | Associated with suspect data | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a |
| Angiosperms | Not assessed | | | Compliant (low conf.) | n/a |
| Macroalgae | Not assessed | | | Compliant (low conf.) | n/a |
| Invertebrates | | | | Compliant (low conf.) | n/a |
| Fish | Not assessed | | | Compliant (low conf.) | n/a |
| Phys-chem water quality (in support of ecological status) | | | | Compliant (low conf.) | n/a |
| Chemicals | | Fail for mercury and PBDE | | Compliant (low conf.) | n/a |
| RBMP2 water body measures | None | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a |
| | | | Overall assessment of WFD Regulations compliance of the component in this water body | Compliant (low conf.) | |

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| Option | DAVYH-DAVYH_001_Std-W2.n Davyhulme | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Davyhulme Wastewater Treatment Works into the Irwell / Manchester Ship Canal (Irk to confluence with Upper Mersey) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112069061452 | |
| Water body name | Irwell / Manchester Ship Canal (Irk to confluence with Upper Mersey) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|---|------|---|------------------------|-----------|-------|--|-----------------------------|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate, ammonia and DO) and biological elements.</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | | Mod. for ammonia, poor for phosphate, bad for DO all associated with a range of pressures including continuous sewage discharge (confirmed). Also mod. for BOD- no RNAG | | | | | Compliant (low conf.) | n/a | | | |
| Chemicals | | | Fail for mercury, PFOS, PBDE, tributyltin and cypermethrin. | | | | | Compliant (low conf.) | n/a | | | |
| RBMP2 water body measures | Install in-canal aeration system (Irwell / Manchester Ship Canal - Irk to Mersey) | | | | | | It is unlikely that this option would impede the implementation of this water body measure. | Compliant (low conf.) | Compliant (low conf.) | | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | ELLES-ELLES_001_Std-W2.n Ellesmere Port | | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Ellesmere Port Wastewater Treatment Works into the Mersey water body. This could lead to in-channel habitat changes, changes in water quality and geomorphological features. |
| Water body type | Transitional Water | | |
| Hydromorph designation | Heavily modified | | |
| Water body ID | GB531206908100 | | |
| Water body name | Mersey | | |

| Baseline Status | | Assessment of component | | | |
|---|--------------------|---|--|--|---|
| Status element | Draft RBMP3 status | Reasons for not achieving good status | Assessment | Potential for deterioration | Potential for introduction of impediments |
| Phytoplankton | | Unknown | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a |
| Angiosperms | Not assessed | | | Compliant (low conf.) | n/a |
| Macroalgae | High | | | Compliant (low conf.) | n/a |
| Invertebrates | | | | Compliant (low conf.) | n/a |
| Fish | Not assessed | | | Compliant (low conf.) | n/a |
| Phys-chem water quality (in support of ecological status) | | Mod. for DIN (unknown) | | Compliant (low conf.) | n/a |
| Chemicals | | Failed for: Benzo(g-h-i)perylene, Heptachlor and cis-Heptachlor epoxide, mercury, PBDE, 1,2-dichloroethane, Dichlorvos (Priority) | | Compliant (low conf.) | n/a |
| RBMP2 water body measures | | None | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a |
| | | | Overall assessment of WFD Regulations compliance of the component in this water body | Compliant (low conf.) | |

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| Option | FLEET-FLEET_001_Std-W2.n Fleetwood | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Fleetwood Wastewater Treatment Works into the Cumbria water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | Coastal water | |
| Hydromorph designation | Not designated | |
| Water body ID | GB641211630002 | |
| Water body name | Cumbria | |

| Baseline Status | | Assessment of component | | | |
|---|--------------------|---------------------------------------|--|--|---|
| Status element | Draft RBMP3 status | Reasons for not achieving good status | Assessment | Potential for deterioration | Potential for introduction of impediments |
| Phytoplankton | | | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a |
| Angiosperms | Not assessed | | | Compliant (low conf.) | n/a |
| Macroalgae | Not assessed | | | Compliant (low conf.) | n/a |
| Invertebrates | | | | Compliant (low conf.) | n/a |
| Fish | Not assessed | | | Compliant (low conf.) | n/a |
| Phys-chem water quality (in support of ecological status) | | | | Compliant (low conf.) | n/a |
| Chemicals | | Fail for mercury and PBDE | | Compliant (low conf.) | Compliant (low conf.) |
| RBMP2 water body measures | None | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a |
| | | | Overall assessment of WFD Regulations compliance of the component in this water body | Compliant (low conf.) | |

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| Option | HILLH-HILLH_001_Std-W2.n Hillhouse | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Hillhouse Wastewater Treatment Works into the Alt DS Bull Bridge water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112069061442 | |
| Water body name | Alt DS Bull Bridge | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|--|------------|------------------------|-----------|-------|--|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate) and biological elements.</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | | | | Confirmed | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | Mod. for ammonia (misconnections -susp.); Mod for DO (no RNAG); Poor for phosphate (cont. sewage discharge - prob., misconnections - susp. and poor nutrient management - susp.) | | | | | | | Compliant (low conf.) | n/a | | |
| Chemicals | | Fail for mercury, PFOS, PBDE, tributyltin and cypermethrin | | | | | | | Compliant (low conf.) | n/a | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | KNUTF-KNUTF_001_Std-W2.n Knutsford | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Knutsford Wastewater Treatment Works into the Birkin Brook - Source to Mobberley Brook water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Not designated | |
| Water body ID | GB112069061340 | |
| Water body name | Birkin Brook - Source to Mobberley Brook | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | Assessment of component | | |
|--|--------------------|------|------------|------------------------|-----------|--|---------------------------------------|--|--|-----------------------|------------------------|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | |
| Fish | | | | Suspected | | | | There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration and impediments to good status in the phys-chem status elements (particularly phosphate) and biological elements (particularly macrophytes and phytobenthos). | Compliant (low conf.) | Compliant (low conf.) | |
| Invertebrates | | | | | | | | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a | |
| Macrophytes/ phytobenthos | | | | | Confirmed | Sediment- prob. | | | Compliant (low conf.) | Compliant (low conf.) | |
| Phys-chem water quality (in support of ecological status) | | | | | | Mod. for phosphate (cont. sewage discharge-conf.; poor livestock, nutrient and soil management - prob.; in-river activities - prob.; misconnections - susp.) | | | Compliant (low conf.) | Compliant (low conf.) | |
| Chemicals | | | | | | Fail for Benzo(b)fluoranthene, Benzo(g-h-i)perylene, Benzo(k)fluoranthene, mercury and PBDE | | | Compliant (low conf.) | Compliant (low conf.) | |
| RBMP2 water body measures | None | | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | | Compliant (low conf.) | | |

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| Option | LANCA-LANCA_001_Std-W2.n Lancaster | | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Lancaster Wastewater Treatment Works into the Lune water body. This could lead to in-channel habitat changes, changes in water quality and geomorphological features. |
| Water body type | Transitional water | | |
| Hydromorph designation | Not designated | | |
| Water body ID | GB531207212100 | | |
| Water body name | Lune | | |

| Baseline Status | | Assessment of component | | | |
|---|--------------------|---|--|--|---|
| Status element | Draft RBMP3 status | Reasons for not achieving good status | Assessment | Potential for deterioration | Potential for introduction of impediments |
| Phytoplankton | | | There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration and impediments to good status in the phys-chem status elements (particularly DIN) and biological elements. It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a |
| Angiosperms | | Suspect data- confirmed | | Compliant (low conf.) | Compliant (low conf.) |
| Macroalgae | | | | Compliant (low conf.) | n/a |
| Invertebrates | | | | Compliant (low conf.) | n/a |
| Fish | | | | Compliant (low conf.) | n/a |
| Phys-chem water quality (in support of ecological status) | | Mod. for DIN (cont. sewage discharge - prob.) | | Compliant (low conf.) | Compliant (low conf.) |
| Chemicals | | Fail for benzo(g-h-i)perylene, mercury and PBDE | | Compliant (low conf.) | Compliant (low conf.) |
| RBMP2 water body measures | None | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a |
| | | | Overall assessment of WFD Regulations compliance of the component in this water body | Compliant (low conf.) | |

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| Option | MACCL-MACCL_001_Std-W2.n Macclesfield | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Macclesfield Wastewater Treatment Works into the Bolin (Source to Dean) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112069061320 | |
| Water body name | Bollin (Source to Dean) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|------|---|------------------------|-----------|--------------|--|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | | | | | | Suspect data | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate) and biological elements (particularly macrophytes and phytobenthos).</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | | | | Probable | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | | Bad for phosphate (cont. sewage discharge - conf.; poor livestock management - susp.; urbanisation - susp.) | | | | | Compliant (low conf.) | n/a | | | |
| Chemicals | | | Fail for benzo(g-h-i)perylene, mercury and PBDE | | | | | Compliant (low conf.) | n/a | | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | PARTI-PARTI_001_Std-W2.n Partington | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Partington Wastewater Treatment Works into the Sinderland Brook water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Not designated | |
| Water body ID | GB112069060980 | |
| Water body name | Sinderland Brook | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---|------------|------------------------|-----------|-------|---|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | | | Probable | Probable | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration and impede the target of good status in the phys-chem status elements (particularly Phosphate) and biological elements (particularly macrophytes and phytobenthos).</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | Compliant (low conf.) | | | |
| Invertebrates | | | | Suspected | | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Macrophytes/ phytobenthos | | | | | Confirmed | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Phys-chem water quality (in support of ecological status) | | Mod.for DO (unknown) and poor for phosphate (urbanisations - conf.; continuous sewage discharge - conf; misconnections - prob.) | | | | | | | Compliant (low conf.) | Compliant (low conf.) | | |
| Chemicals | | Failed for mercury, PFOS and PBDE | | | | | | | Compliant (low conf.) | Compliant (low conf.) | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | PENRT-PENRT_002_Std-W2.n Penrith | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Penrith Wastewater Treatment Works into the Eamont (Lower) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Not designated | |
| Water body ID | GB102076070990 | |
| Water body name | Eamont (Lower) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---------------------------|------------|------------------------|-----------|-----------------------|--|-----------------------------|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | High | | | | | | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | Compliant (low conf.) | | | |
| Invertebrates | High | | | | | Compliant (low conf.) | | Compliant (low conf.) | | | | |
| Macrophytes/ phytobenthos | High | | | | | Compliant (low conf.) | | Compliant (low conf.) | | | | |
| Phys-chem water quality (in support of ecological status) | High | | | | | Compliant (low conf.) | | Compliant (low conf.) | | | | |
| Chemicals | High | Fail for mercury and PBDE | | | | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| RBMP2 water body measures | None | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | PREST-PREST_001_Std-W2.n Preston | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Preston Wastewater Treatment Works into the Ribble water body. This could lead to in-channel habitat changes, changes in water quality and geomorphological features. |
| Water body type | Transitional water | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB531207112400 | |
| Water body name | Ribble | |

| Baseline Status | | Assessment of component | | | |
|---|--------------------|---|--|--|---|
| Status element | Draft RBMP3 status | Reasons for not achieving good status | Assessment | Potential for deterioration | Potential for introduction of impediments |
| Phytoplankton | | Nutrients pressure from continuous sewage discharge (confirmed) | There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly DIN) and biological elements (particularly phytoplankton). It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a |
| Angiosperms | | | | Compliant (low conf.) | n/a |
| Macroalgae | | | | Compliant (low conf.) | n/a |
| Invertebrates | | | | Compliant (low conf.) | n/a |
| Fish | | | | Compliant (low conf.) | n/a |
| Phys-chem water quality (in support of ecological status) | | Mod. for DIN (cont. sewage discharge - prob.) | | Compliant (low conf.) | n/a |
| Chemicals | | Fail for benzo(g-h-i)perylene, benzo(k)fluoranthene, mercury and PBDE | | Compliant (low conf.) | n/a |
| RBMP2 water body measures | None | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a |
| | | | Overall assessment of WFD Regulations compliance of the component in this water body | Compliant (low conf.) | |

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| Option | SALEZ-SALEZ_002_Std-W2.n Sale | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Sale Wastewater Treatment Works into the Mersey (upstream of Manchester Ship Canal) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112069061030 | |
| Water body name | Mersey (upstream of Manchester Ship Canal) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|--|------------|------------------------|-----------|-------|--|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate) and biological elements.</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | Poor for Phosphate (continuous sewage discharge - confirmed; Poor nutrient, pesticide, soil and livestock management - probable; urbanisation - suspected; riparian/ in-river activities - probable) | | | | | | | Compliant (low conf.) | n/a | | |
| Chemicals | | Failed for benzo(b)fluoranthene, benzo(g-h-i)perylene, benzo(k)fluoranthene, mercury, PFOS, PBDE, cypermethrin | | | | | | | Compliant (low conf.) | n/a | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | SALFO-SALFO_002_Std-W2.n Salford | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Salford Wastewater Treatment Works into the Irwell / Manchester Ship Canal (Irk to confluence with Upper Mersey) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112069061452 | |
| Water body name | Irwell / Manchester Ship Canal (Irk to confluence with Upper Mersey) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|---|---|------------|------------------------|-----------|-------|--|-----------------------------|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate, ammonia and DO) and biological elements.</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | Mod. for ammonia, poor for phosphate, bad for DO all associated with a range of pressures including continuous sewage discharge (confirmed). Also mod. for BOD- no RNAG | | | | | | | Compliant (low conf.) | n/a | | |
| Chemicals | | Fail for mercury, PFOS, PBDE, tributyltin and cypermethrin. | | | | | | | Compliant (low conf.) | n/a | | |
| RBMP2 water body measures | Install in-canal aeration system (Irwell / Manchester Ship Canal - Irk to Mersey) | | | | | | | | n/a | Compliant (low conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | STRET-STRET_001_Std-W2.n Stretford | | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Stretford Wastewater Treatment Works into the Mersey (upstream of Manchester ship canal) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | | |
| Hydromorph designation | Heavily modified | | |
| Water body ID | GB112069061030 | | |
| Water body name | Mersey (upstream of Manchester Ship Canal) | | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|--|------------|------------------------|-----------|-------|--|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate) and biological elements.</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | Poor for Phosphate (continuous sewage discharge - confirmed; Poor nutrient, pesticide, soil and livestock management - probable; urbanisation - suspected; riparian/ in-river activities - probable) | | | | | | Compliant (low conf.) | n/a | | | |
| Chemicals | | Failed for benzo(b)fluoranthene, benzo(g-h-i)perylene, benzo(k)fluoranthene, mercury, PFOS, PBDE, cypermethrin | | | | | | Compliant (low conf.) | n/a | | | |
| RBMP2 water body measures | | None | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | WIGAN-WIGAN_001_Std-W2.n Wigan | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Wigan Wastewater Treatment Works into the Douglas (lower) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112070064820 | |
| Water body name | Douglas - Lower | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|------|------------|------------------------|-----------|--|---|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate) and biological elements (particularly invertebrates).</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | | | | Confirmed | | Organic pollution, poor nutrient management and misconnections (conf.) | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | | | | | Poor for phosphate associated with intermittent and continuous sewage discharge and poor nutrient management (all confirmed) | | Compliant (low conf.) | n/a | | | |
| Chemicals | | | | | | Fail for benzo(g-h-i)perylene, mercury, PFOS, PBDE and cypermethrin | | Compliant (low conf.) | n/a | | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | WHTHA-WHTHA_001_Std-W2.n Whitehaven | | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Whitehaven Wastewater Treatment Works into the Lowca Beck water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | | |
| Hydromorph designation | Not designated | | |
| Water body ID | GB112074070040 | | |
| Water body name | Lowca Beck | | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---------------------------|------------|------------------------|-----------|---|--|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a | | | |
| Invertebrates | | | | | | Organic pollution, poor livestock management and misconnections (both probable) | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Macrophytes/ phytobenthos | | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | | | | | | | Compliant (low conf.) | n/a | | | |
| Chemicals | | Fail for mercury and PBDE | | | | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | WORKI-WORKI_001_Std-W2.n Workington | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Workington Wastewater Treatment Works into the Solway Outer South water body. This could lead to in-channel habitat changes, changes in water quality and geomorphological features. |
| Water body type | Coastal water | |
| Hydromorph designation | Not designated | |
| Water body ID | GB641211630003 | |
| Water body name | Solway Outer South | |

| Baseline Status | | Assessment of component | | | |
|---|--------------------|--|--|--|---|
| Status element | Draft RBMP3 status | Reasons for not achieving good status | Assessment | Potential for deterioration | Potential for introduction of impediments |
| Phytoplankton | | | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a |
| Angiosperms | Not assessed | | | Compliant (low conf.) | n/a |
| Macroalgae | | | | Compliant (low conf.) | n/a |
| Invertebrates | | Associated with poor soil management (prob.) and intermittent sewage discharge (prob.) | | Compliant (low conf.) | Compliant (low conf.) |
| Fish | Not assessed | | | Compliant (low conf.) | n/a |
| Phys-chem water quality (in support of ecological status) | | | | Compliant (low conf.) | n/a |
| Chemicals | | Fail for mercury and PBDE | | Compliant (low conf.) | Compliant (low conf.) |
| RBMP2 water body measures | None | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a |
| | | | Overall assessment of WFD Regulations compliance of the component in this water body | Compliant (low conf.) | |

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| Option | ASKHM-WW1- SOCKB-WWTRNSF1 Askham to Sockbridge | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option would lead to a transfer of effluent away from Askham Wastewater Treatment Works which would usually be discharged into this water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB102076071010 | |
| Water body name | Lowther (Lower) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|------|------------|------------------------|-----------|---------------------------|---|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | <p>The CAMS (Catchment Abstraction Management Strategy) suggests that there is water available for abstraction under Q95 flow conditions and no water available for abstraction under Q70, Q50, Q30 flow conditions. This suggests that there is a flow pressure in this water body. Given the fact that currently the Askham Wastewater Treatment Works discharges into the Lowther (Lower) water body it can be assumed that the discharge being transferred from Askham Wastewater Treatment Works to Sockbridge Wastewater Treatment Works (and ultimately the Eamont water body) will result in a decrease in flow in the Lowther thus exaggerating the flow pressure. This could lead to significant in-channel habitat changes ultimately leading to potential deterioration in the biological status elements.</p> <p>In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Non-compliant (low conf.) | n/a | | | |
| Invertebrates | Not assessed | | | | | | | Non-compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Not assessed | | | | | | | Non-compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | | | | | | | Compliant (low conf.) | n/a | | | |
| Chemicals | | | | | | Fail for mercury and PBDE | | Compliant (low conf.) | n/a | | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Non-compliant (low conf.) | | | | |

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| Option | ASKHM-WW1- SOCKB-WWTRNSF1 Askham to Sockbridge | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option would lead to a transfer of effluent away from Askham Wastewater Treatment Works and an increase of effluent from Sockbridge Wastewater Treatment Works into the Eamont (upper) water body. The Eamont is downstream of the Lowther (Lower) water body so there will be no net change in flows at the Sockbridge discharge. There may be water quality changes as a result of this option. |
| Water body type | River | |
| Hydromorph designation | Not designated | |
| Water body ID | GB102076071020 | |
| Water body name | Eamont (Upper) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---|------------|------------------------|-----------|-------|---|-----------------------------|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Good | | | | | | There will be no net change in flows downstream of the Sockbridge discharge in the Eamont (upper) as it is downstream of the Lowther (lower). It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a | | | |
| Invertebrates | High | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Good | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | Good | | | | | | | Compliant (low conf.) | n/a | | | |
| Chemicals | Fail | Fail for mercury, PBDE, Benzo(b)fluoranthene, Benzo(g-h-i)perylene. | | | | | | Compliant (low conf.) | n/a | | | |
| RBMP2 water body measures | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | MOWPE-WW1- HGHLE-WWTRNSF1 Mowpen Brow to High Leigh | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option would lead to a transfer of effluent away from Mowpen Brow Wastewater Treatment Works to High Leigh Wastewater Treatment Works potentially leading to a increase in effluent discharge from High Leigh Wastewater Treatment Works into this water body. This may lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features in this water body. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112069061382 | |
| Water body name | Bollin (Ashley Mill to Manchester Ship Canal) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---|------------|------------------------|-----------|-------|---|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | | | | | | | There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate). It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a | | | |
| Invertebrates | | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | Poor for phosphate (poor livestock management - suspected, urbanisation - suspected and continuous sewage discharge - confirmed) | | | | | | | Compliant (low conf.) | n/a | | |
| Chemicals | | Fail for mercury and PBDE | | | | | | | Compliant (low conf.) | n/a | | |
| RBMP2 water body measures | | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | Cumulative 1 Altrincham and Partington | | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Altrincham and Partington Wastewater Treatment Works into the Sinderland Brook water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | | |
| Hydromorph designation | Not designated | | |
| Water body ID | GB112069060980 | | |
| Water body name | Sinderland Brook | | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|---|------------|------------------------|-----------|-------|---|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | | | Probable | Probable | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from this treatment works. This could lead to deterioration and impede the target of good status in the phys-chem status elements (particularly Phosphate) and biological elements (particularly macrophytes and phytobenthos).</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | Compliant (low conf.) | | | |
| Invertebrates | | | | Suspected | | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Macrophytes/ phytobenthos | | | | | Confirmed | | | Compliant (low conf.) | Compliant (low conf.) | | | |
| Phys-chem water quality (in support of ecological status) | | Mod.for DO (unknown) and poor for phosphate (urbanisations - conf.; continuous sewage discharge - conf; misconnections - prob.) | | | | | | | Compliant (low conf.) | Compliant (low conf.) | | |
| Chemicals | | Failed for mercury, PFOS and PBDE | | | | | | | Compliant (low conf.) | Compliant (low conf.) | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | Cumulative 2 Salford and Davyhulme | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Salford and Dalvyhulme Wastewater Treatment Works into the Irwell / Manchester Ship Canal (Irk to confluence with Upper Mersey) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112069061452 | |
| Water body name | Irwell / Manchester Ship Canal (Irk to confluence with Upper Mersey) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|---|---|------------|------------------------|-----------|-------|---|-----------------------------|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from these treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate, ammonia and DO) and biological elements.</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | Mod. for ammonia, poor for phosphate, bad for DO all associated with a range of pressures including continuous sewage discharge (confirmed). Also mod. for BOD- no RNAG | | | | | | Compliant (low conf.) | n/a | | | |
| Chemicals | | Fail for mercury, PFOS, PBDE, tributyltin and cypermethrin. | | | | | | Compliant (low conf.) | n/a | | | |
| RBMP2 water body measures | Install in-canal aeration system (Irwell / Manchester Ship Canal - Irk to Mersey) | | | | | | It is unlikely that this option would impede the implementation of this water body measure. | n/a | Compliant (low conf.) | | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | Cumulative 3 Sale and Stretford | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Sale and Stretford Wastewater Treatment Works into the Mersey (upstream of Manchester Ship Canal) water body. This could lead to in-channel habitat changes, changes in water quality, flow velocities and geomorphological features. |
| Water body type | River | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB112069061030 | |
| Water body name | Mersey (upstream of Manchester Ship Canal) | |

| Status element | Baseline Status | | | | | | Reasons for not achieving good status | | | Assessment of component | | |
|--|--------------------|--|------------|------------------------|-----------|-------|---|--|---|-------------------------|--|--|
| | Draft RBMP3 status | Flow | Morphology | Sanitary water quality | Nutrients | Other | Assessment | Potential for deterioration | Potential for introduction of impediments | | | |
| Fish | Not assessed | | | | | | <p>There are existing water quality pressures in this water body that could be exaggerated through the discharge of additional effluent from these treatment works. This could lead to deterioration in the phys-chem status elements (particularly phosphate) and biological elements.</p> <p>It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements.</p> | Compliant (low conf.) | n/a | | | |
| Invertebrates | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Macrophytes/ phytobenthos | Not assessed | | | | | | | Compliant (low conf.) | n/a | | | |
| Phys-chem water quality (in support of ecological status) | | Poor for Phosphate (continuous sewage discharge - confirmed; Poor nutrient, pesticide, soil and livestock management - probable; urbanisation - suspected; riparian/ in-river activities - probable) | | | | | | | Compliant (low conf.) | n/a | | |
| Chemicals | | Failed for benzo(b)fluoranthene, benzo(g-h-i)perylene, benzo(k)fluoranthene, mercury, PFOS, PBDE, cypermethrin | | | | | | | Compliant (low conf.) | n/a | | |
| RBMP2 water body measures | None | | | | | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a | Compliant (high conf.) | | |
| Overall assessment of WFD Regulations compliance of the component in this water body | | | | | | | | Compliant (low conf.) | | | | |

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| Option | Cumulative 4 Bromborough and Ellesmere | Sources & pathways of potential effect: This water body has been screened for an impact assessment due to operational activities. This option could potentially lead to increased discharges from Bromborough and Ellesmere Wastewater Treatment Works into the Mersey water body. This could lead to in-channel habitat changes, changes in water quality and geomorphological features. |
| Water body type | Transitional Water | |
| Hydromorph designation | Heavily modified | |
| Water body ID | GB531206908100 | |
| Water body name | Mersey | |

| Baseline Status | | Assessment of component | | | |
|---|--------------------|---|--|--|---|
| Status element | Draft RBMP3 status | Reasons for not achieving good status | Assessment | Potential for deterioration | Potential for introduction of impediments |
| Phytoplankton | | Unknown | It is assumed that any increase in wastewater treatment works discharge would be consented (either as within the headroom of an existing consent, or that if an increase, that the Environment Agency would accept the changes in consent conditions). In order to improve confidence in the assessment, scheme specific investigations are required, potentially including hydrological and water quality modelling, to understand the impacts of this option on the ecological and chemical status elements. | Compliant (low conf.) | n/a |
| Angiosperms | Not assessed | | | Compliant (low conf.) | n/a |
| Macroalgae | High | | | Compliant (low conf.) | n/a |
| Invertebrates | | | | Compliant (low conf.) | n/a |
| Fish | Not assessed | | | Compliant (low conf.) | n/a |
| Phys-chem water quality (in support of ecological status) | | Mod. for DIN (unknown) | | Compliant (low conf.) | n/a |
| Chemicals | | Failed for: Benzo(g-h-i)perylene, Heptachlor and cis-Heptachlor epoxide, mercury, PBDE, 1,2-dichloroethane, Dichlorvos (Priority) | | Compliant (low conf.) | n/a |
| RBMP2 water body measures | None | | | There are no RBMP 2 water body measures in this water body therefore there is no risk of non-compliance against this objective | n/a |
| | | | Overall assessment of WFD Regulations compliance of the component in this water body | Compliant (low conf.) | |