



Properties at Risk of Flooding Internally

2020

Investment





Storm overflows spilling to Bathing Waters









Number of spills to the Environment



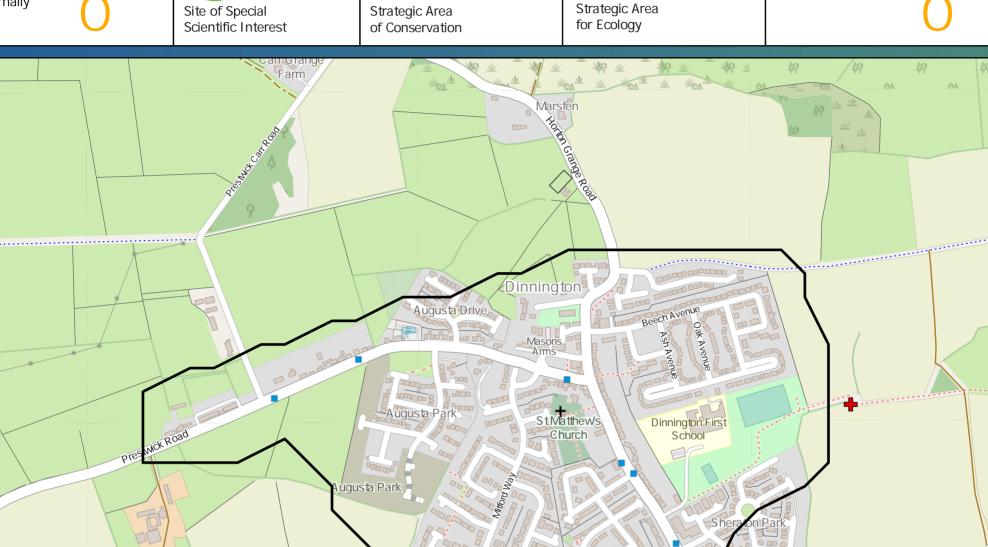
2045

Investment

Mill Hi

Sandy Lane

contributors, Map layer by Esri



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_01 which is within the Howdon area.

The drainage community is classified as medium priority based upon it containing a RNAG asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£2,180,000



£11,270,000

Map data © OpenStreetMap contributors, Microsoft, Facebook, Inc. and its affiliates, Esri Community Maps

NORTHUMBRIAN WATER living water



Properties at Risk of Flooding Internally



Investment





Storm overflows spilling to Rivers



Storm overflows spilling to Bathing Waters









Number of spills to the **Environment**

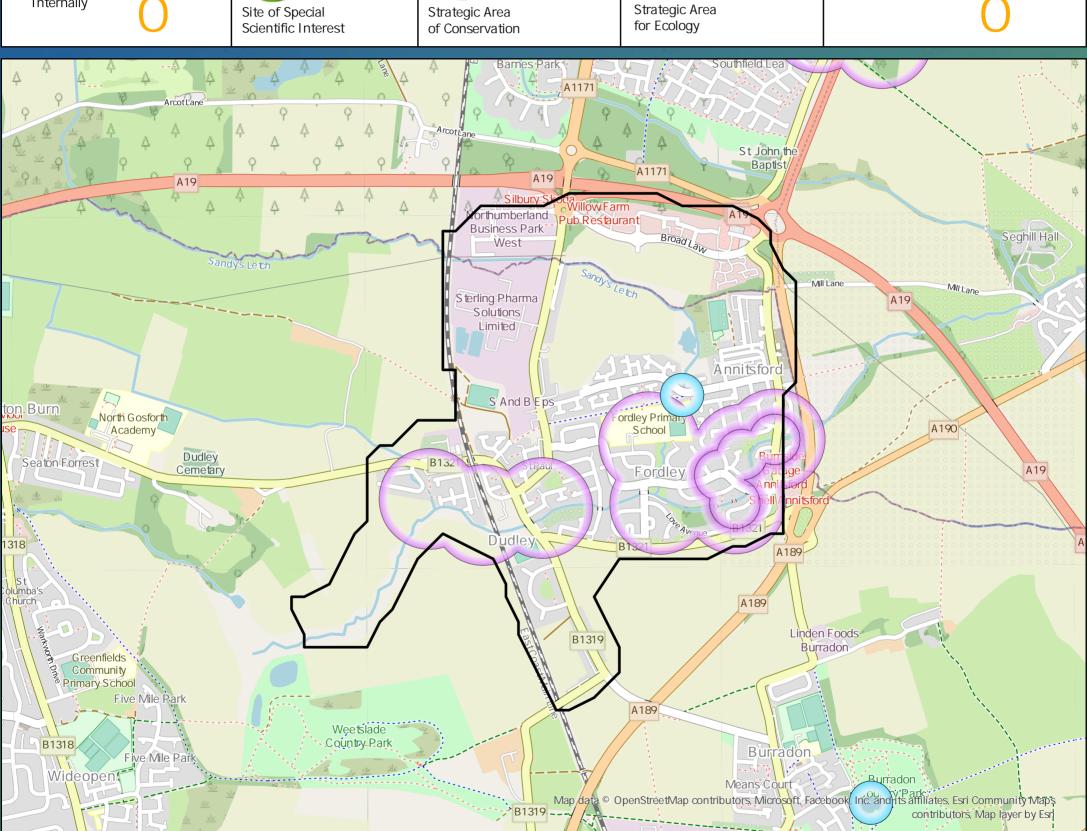


Investment

2020

2045





3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_02 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£1,380,000



£4,490,000

RTHUMBRIAN TER living water



Properties at Risk of Flooding Internally



2045



Post Investment



Site of Special

Scientific Interest



Waters

Storm overflows

spilling to Bathing

Strategic Area of Conservation



Manholes at Risk of Pollution



Strategic Area for Ecology



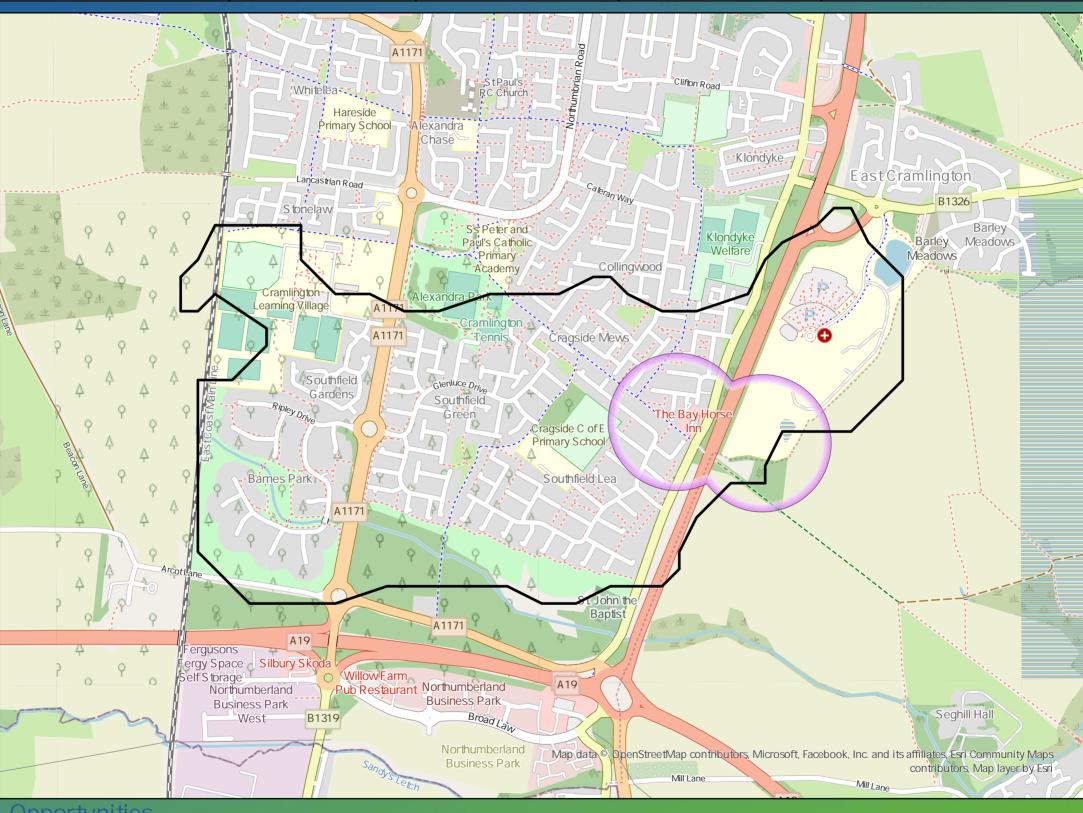
Number of spills to the **Environment**



2045

2020

Investment



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_03 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£760,000







Properties at Risk of Flooding Internally



2045



Post Investment



Storm overflows





spilling to Bathing Waters







Manholes at Risk of Pollution



Number of spills to the Environment

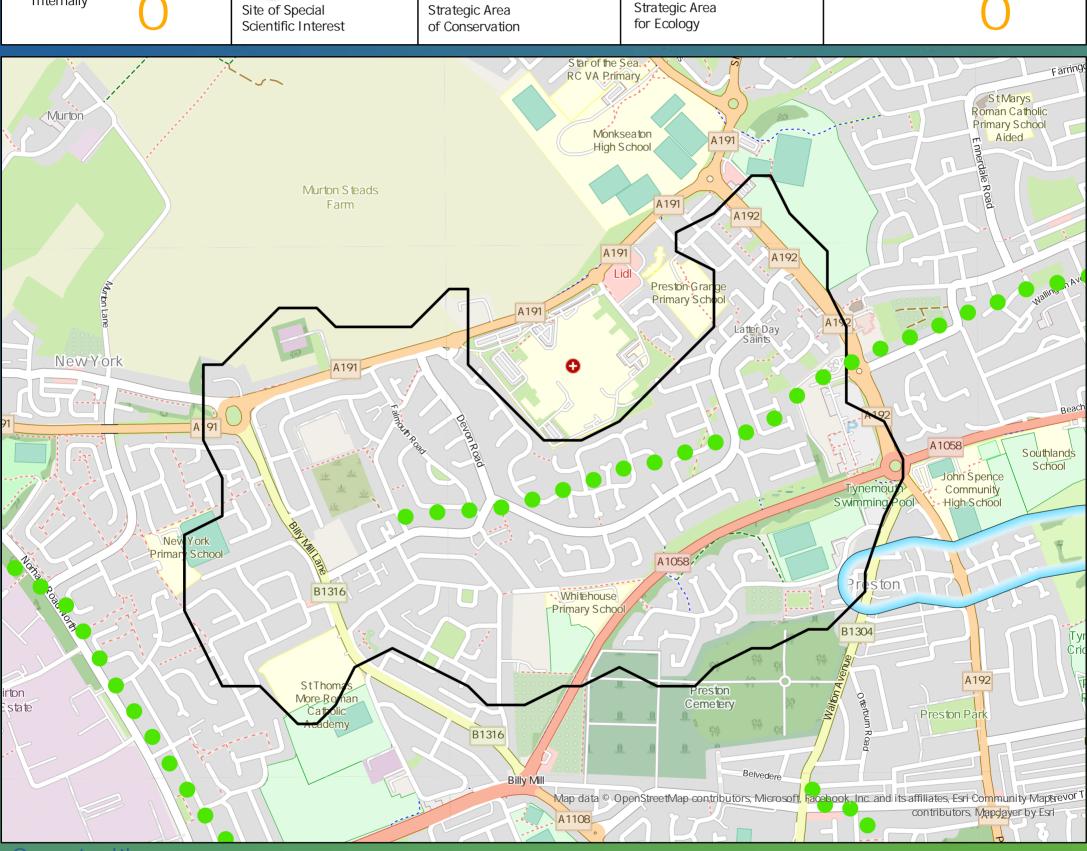


Post Investment

2045

2020





3rd Party Stakeholder



Storm Overflow Programme



Storm Overflow Removal Drainage Communities

This is drainage community reference DC_04 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£840,000



£5,000,000

NORTHUMBRIAN WATER living water



Properties at Risk of Flooding Internally

2020

Investment





Site of Special

Storm overflows spilling to Rivers



Storm overflows spilling to Bathing Waters

Strategic Area





of Pollution

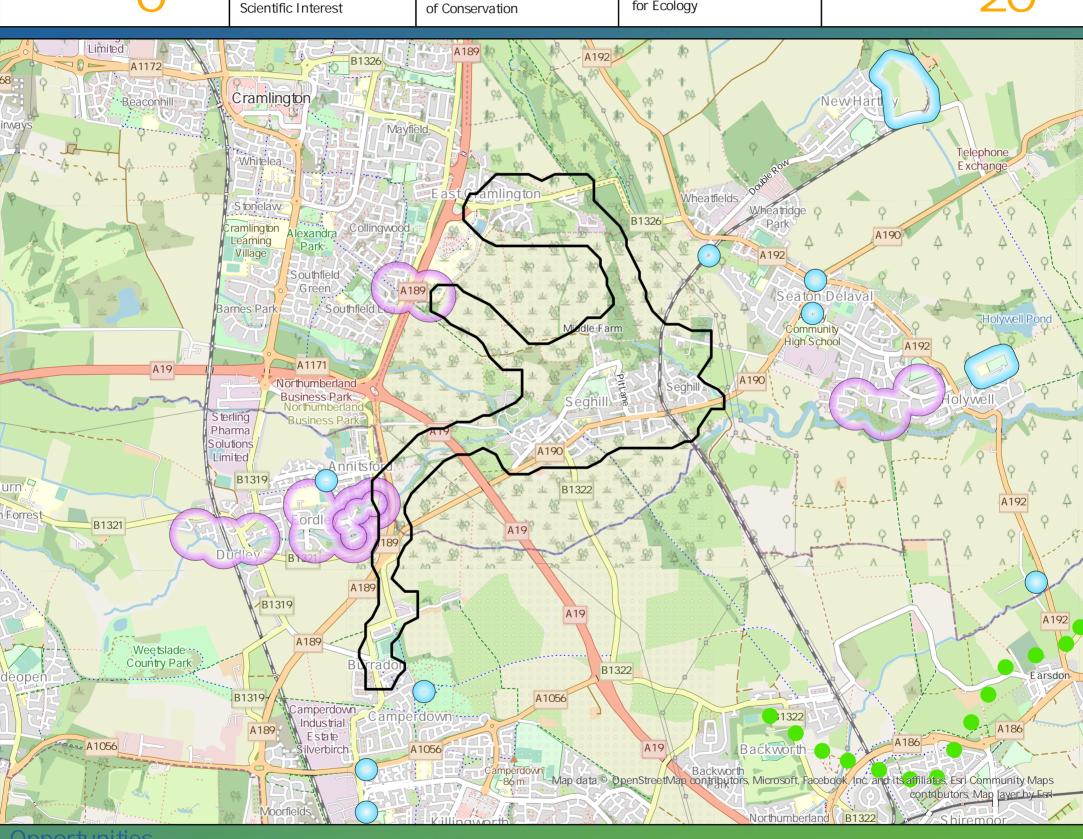
Strategic Area

for Ecology



Number of spills to the **Environment** 2020

Investment



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_05 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£1,840,000



£13,360,000

DWMP Drainage Community Summary NORTHUMBRIAN WATER (iving water Howdon



Properties at Risk of Flooding Internally

2020

2045

Investment



Storm overflows

Site of Special Scientific Interest



Storm overflows spilling to Bathing Waters



Strategic Area of Conservation



Manholes at Risk of Pollution



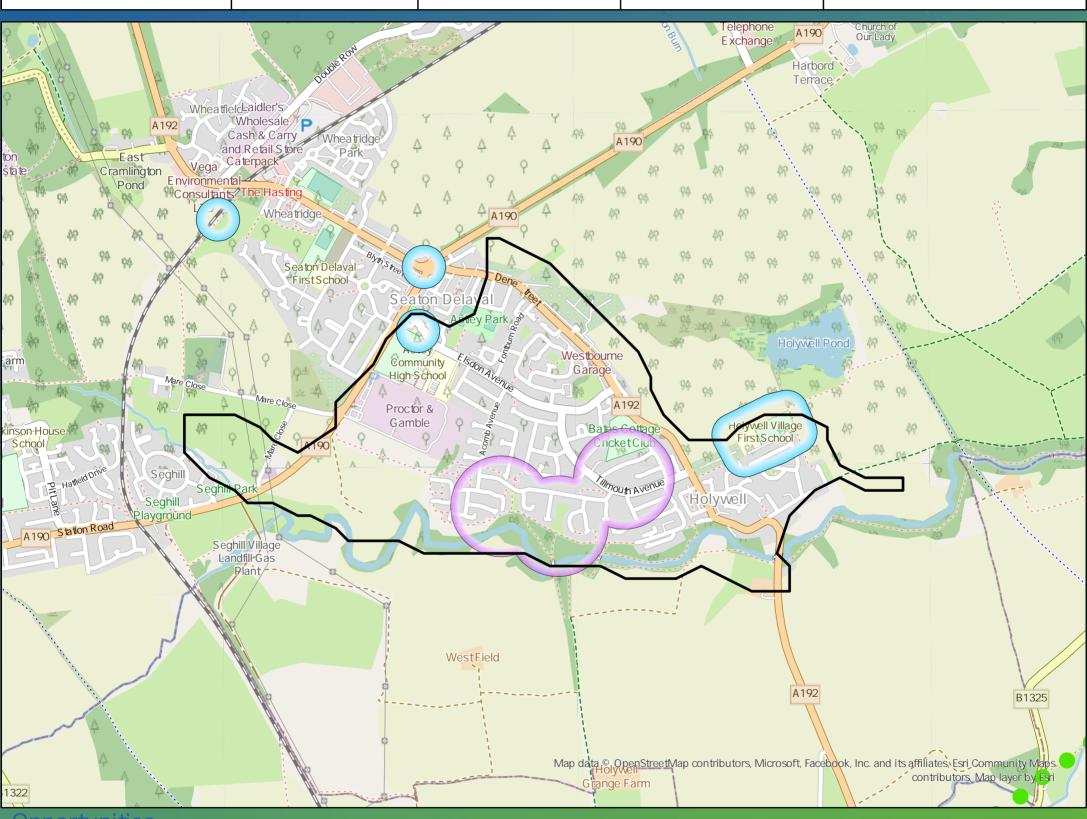
Strategic Area for Ecology



Number of spills to the **Environment**



Investment



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_06 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that no investment is required due to the performance of the storm overflow and level of internal property flood risk in the catchment. The catchment will be monitored for future change.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£1,670,000



£11,300,000





Properties at Risk of Flooding Internally

2020

2045

Investment

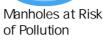


Storm overflows spilling to Rivers



Storm overflows spilling to Bathing Waters







Number of spills to the **Environment**



Investment

2020

2045



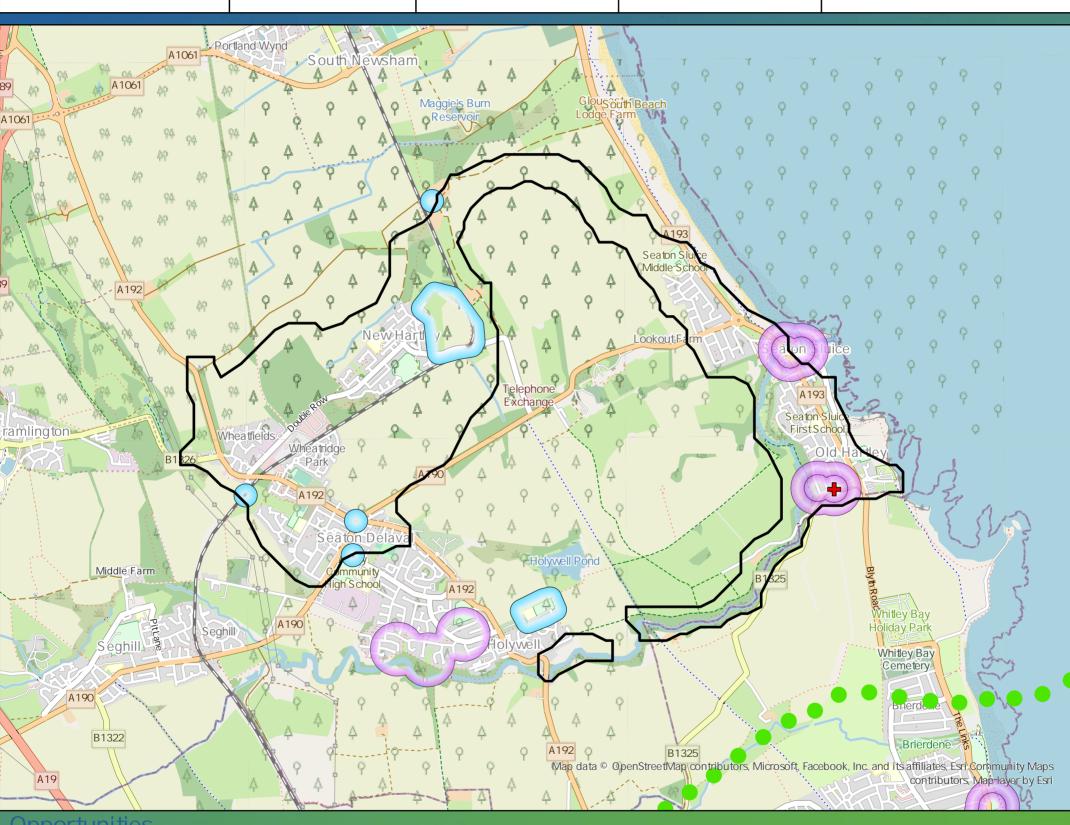


Site of Special Scientific Interest



Strategic Area of Conservation





3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal Drainage Communities

This is drainage community reference DC_07 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£1,950,000



£10,480,000

DWMP Drainage Community Summary NORTHUMBRIAN WATER (iving water



Properties at Risk of Flooding Internally



Investment



Waters



spilling to Bathing









Number of spills to the **Environment**



Investment

2020

2045



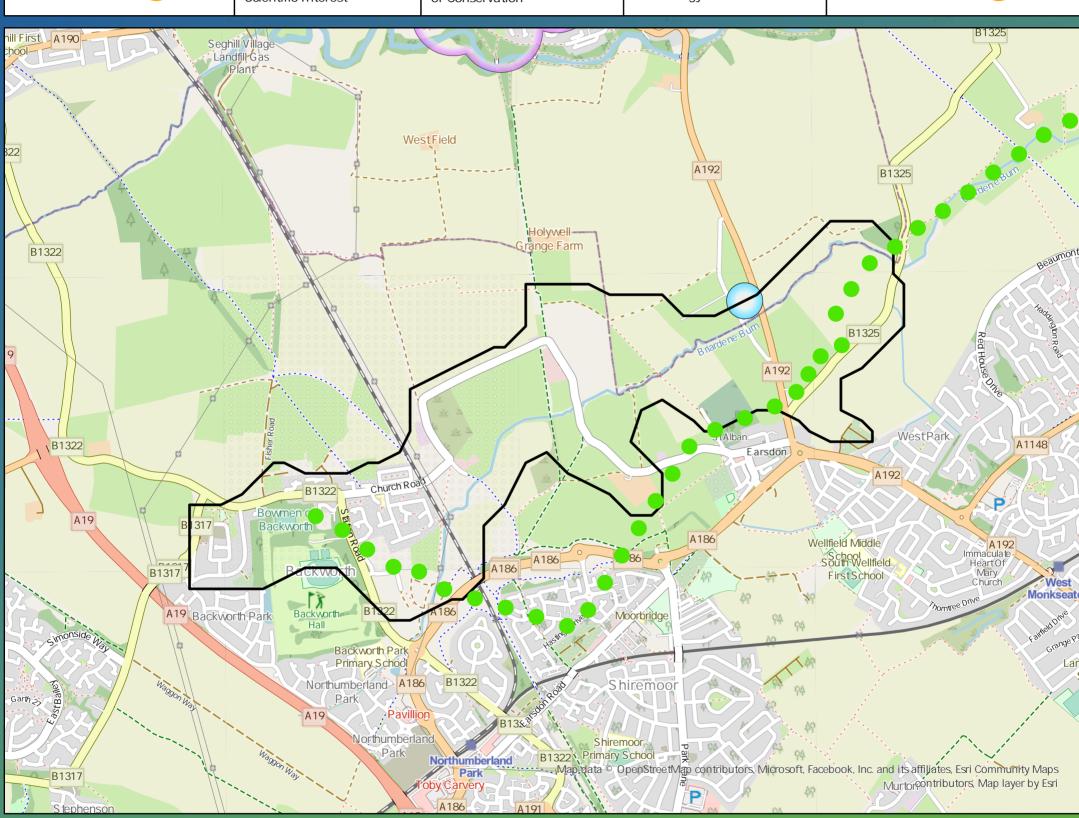


Site of Special Scientific Interest



Strategic Area of Conservation





3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_08 which is within the Howdon area.

The drainage community is classified as medium priority based upon it containing a RNAG asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£8,200,000



£9,830,000

Storm overflows

spilling to Rivers

RTHUMBRIAN TER living water



Properties at Risk of Flooding Internally



2045



Investment



Site of Special



Storm overflows spilling to Bathing Waters

Strategic Area





Manholes at Risk of Pollution

Strategic Area

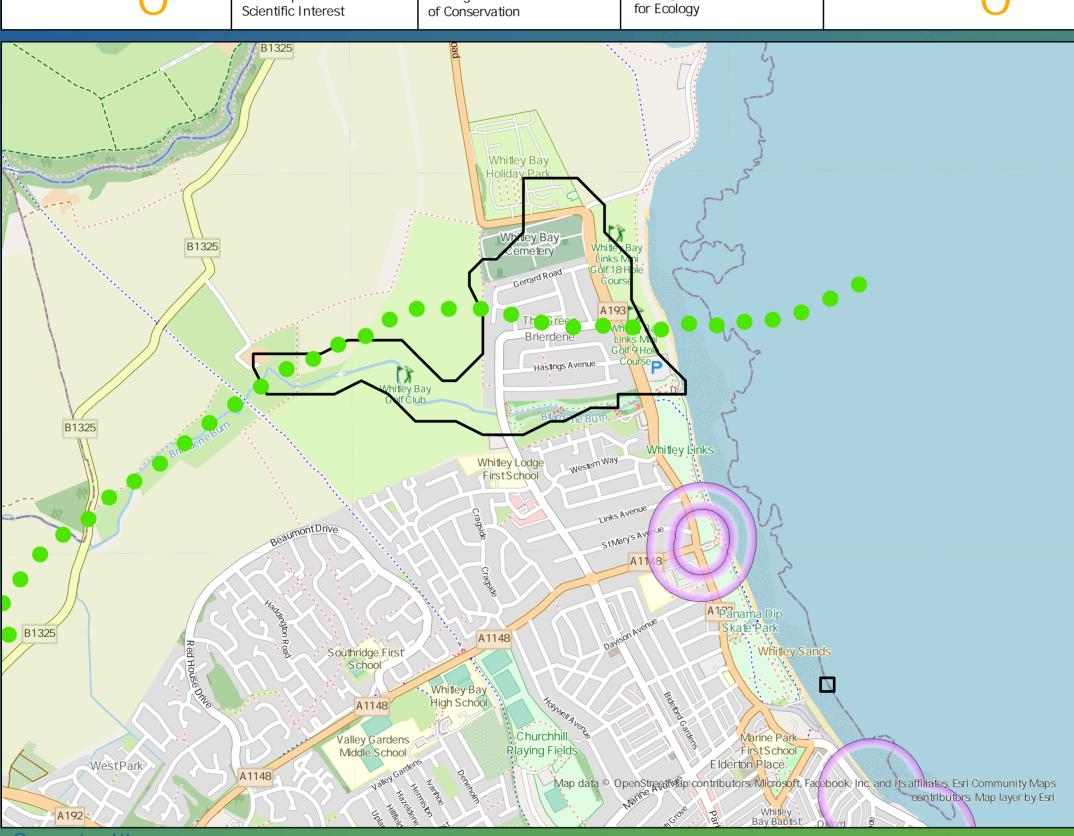


Number of spills to the **Environment**



Post Investment

2020



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_09 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that no investment is required due to the performance of the storm overflow and level of internal property flood risk in the catchment. The catchment will be monitored for future change.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.





Benefit

Cost

DWMP Drainage Community Summary NORTHUMBRIAN WATER (iving water Howdon



Properties at Risk of Flooding Internally



2045



Investment





Storm overflows





Strategic Area

of Conservation

spilling to Bathing Waters





Manholes at Risk of Pollution

Strategic Area

for Ecology



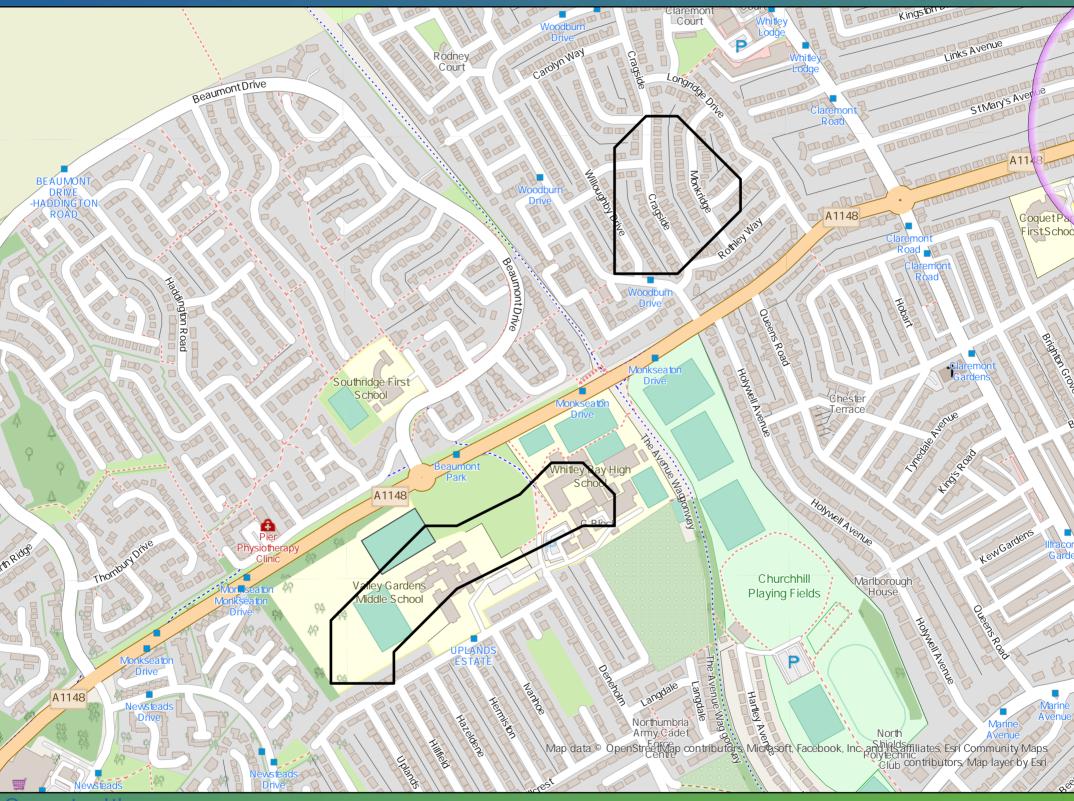
Number of spills to the **Environment**



Investment

2020





3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_10 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that no investment is required due to the performance of the storm overflow and level of internal property flood risk in the catchment. The catchment will be monitored for future change.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.





RTHUMBRIAN TER living water



Properties at Risk of Flooding Internally



2045



Post Investment





Storm overflows spilling to Rivers

Site of Special



Storm overflows spilling to Bathing Waters

Strategic Area





Manholes at Risk of Pollution

Strategic Area



Number of spills to the **Environment**

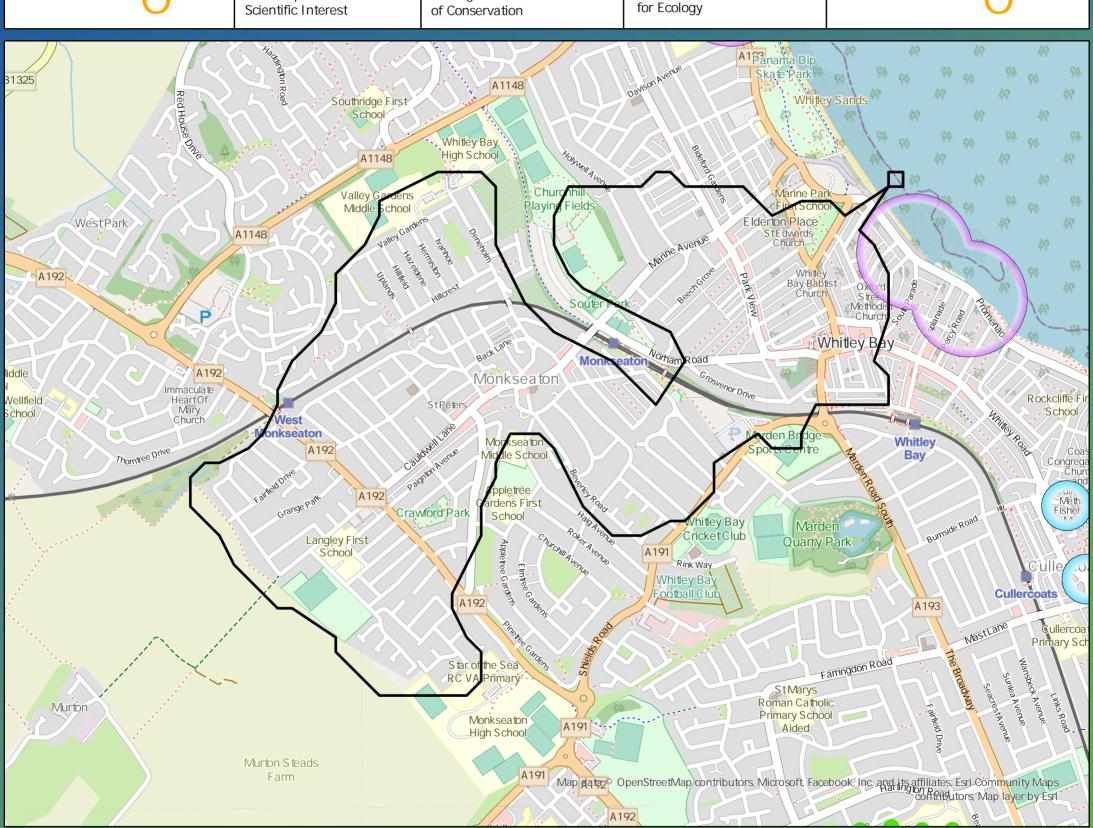


Investment

2045

2020





3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_11 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£1,230,000



£5,000,000

ER living water



Properties at Risk of Flooding Internally

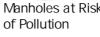




spilling to Bathing Waters









Number of spills to the **Environment**



Investment

2045

2020







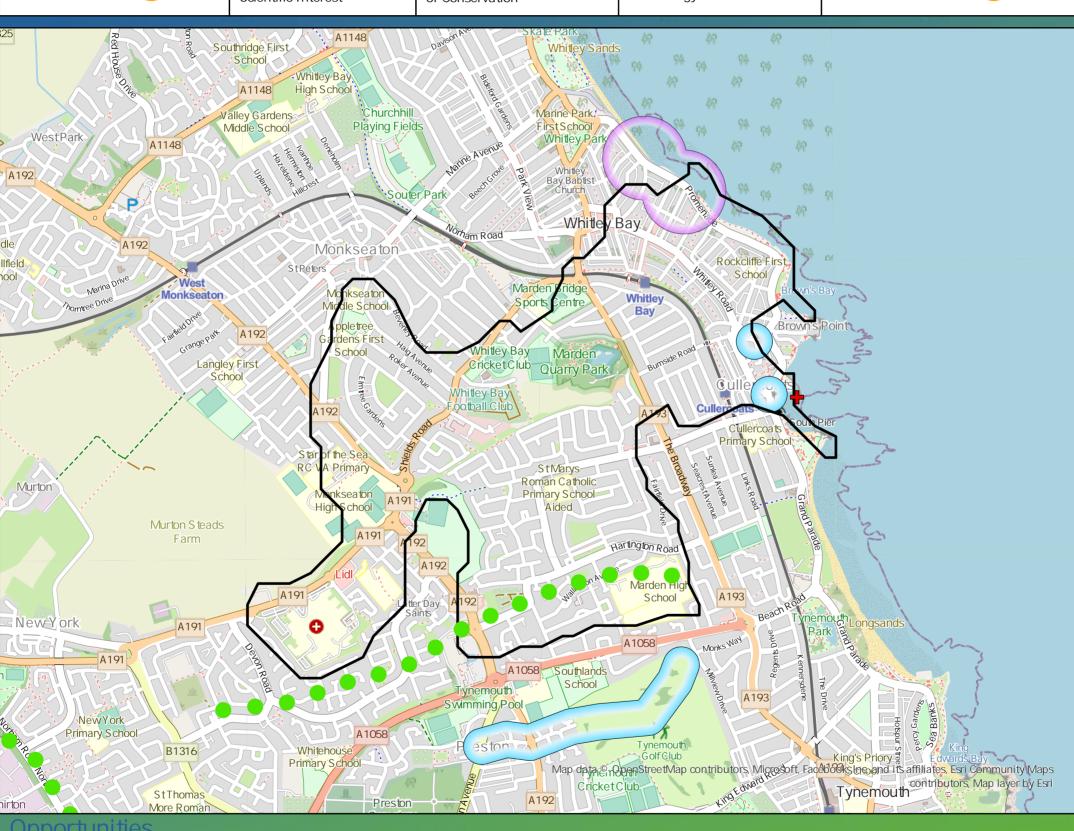
Site of Special Scientific Interest



Strategic Area of Conservation



for Ecology



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal Drainage Communities

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

This is drainage community reference DC_12 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£1,010,000



£5,000,000





Properties at Risk of Flooding Internally



2045



Post Investment



Storm overflows



Storm overflows spilling to Bathing Waters



Manholes at Risk of Pollution



Number of spills to the **Environment** 2020

2045

Post

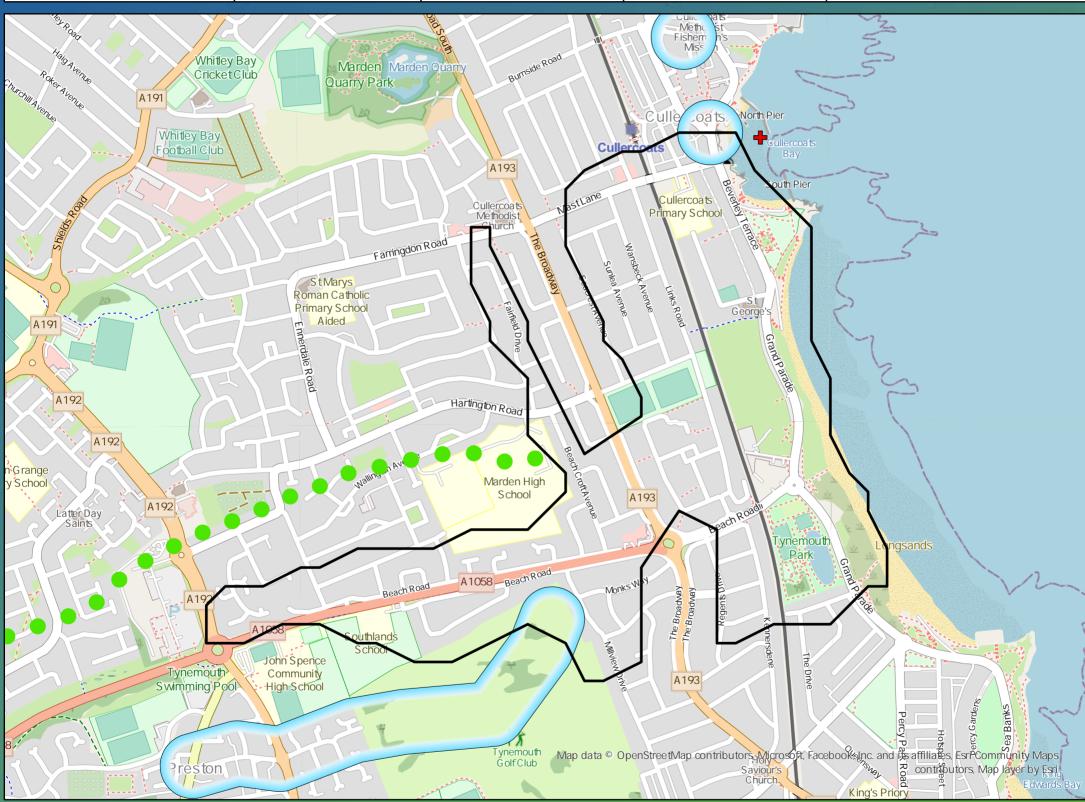
Investment



Strategic Area of Conservation



Strategic Area for Ecology



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_13 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£910,000



£2,000,000

ER living water



2020



spilling to Rivers



Storm overflows spilling to Bathing Waters



Manholes at Risk of Pollution



Number of spills to the Environment 2020

Investment





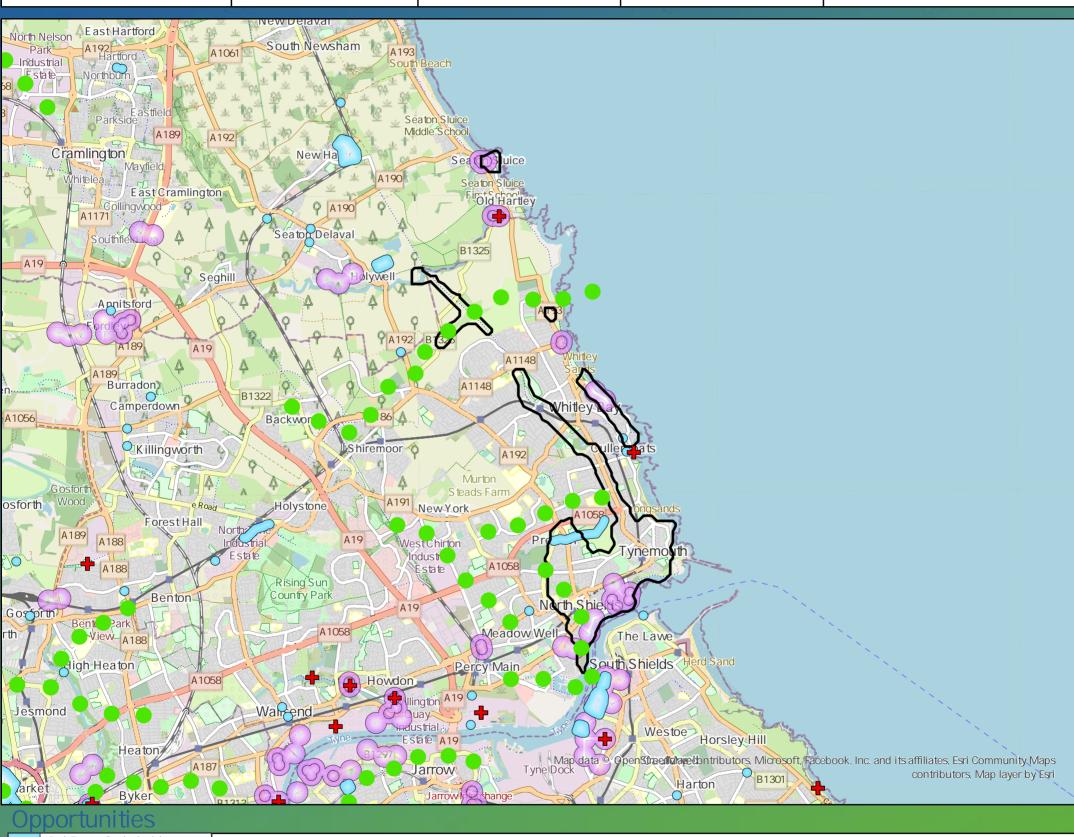
Site of Special Scientific Interest



Strategic Area of Conservation



Strategic Area for Ecology



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_14 which is within the Howdon area.

The drainage community is classified as high priority based upon it containing a bathing water asset discharging to an environmentally sensitive area.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£25,030,000



£86,470,000

RTHUMBRIAN TER living water



Risk of Flooding Internally



Investment



Storm overflows spilling to Rivers



Storm overflows spilling to Bathing Waters





Manholes at Risk of Pollution



Number of spills to the **Environment**

Investment



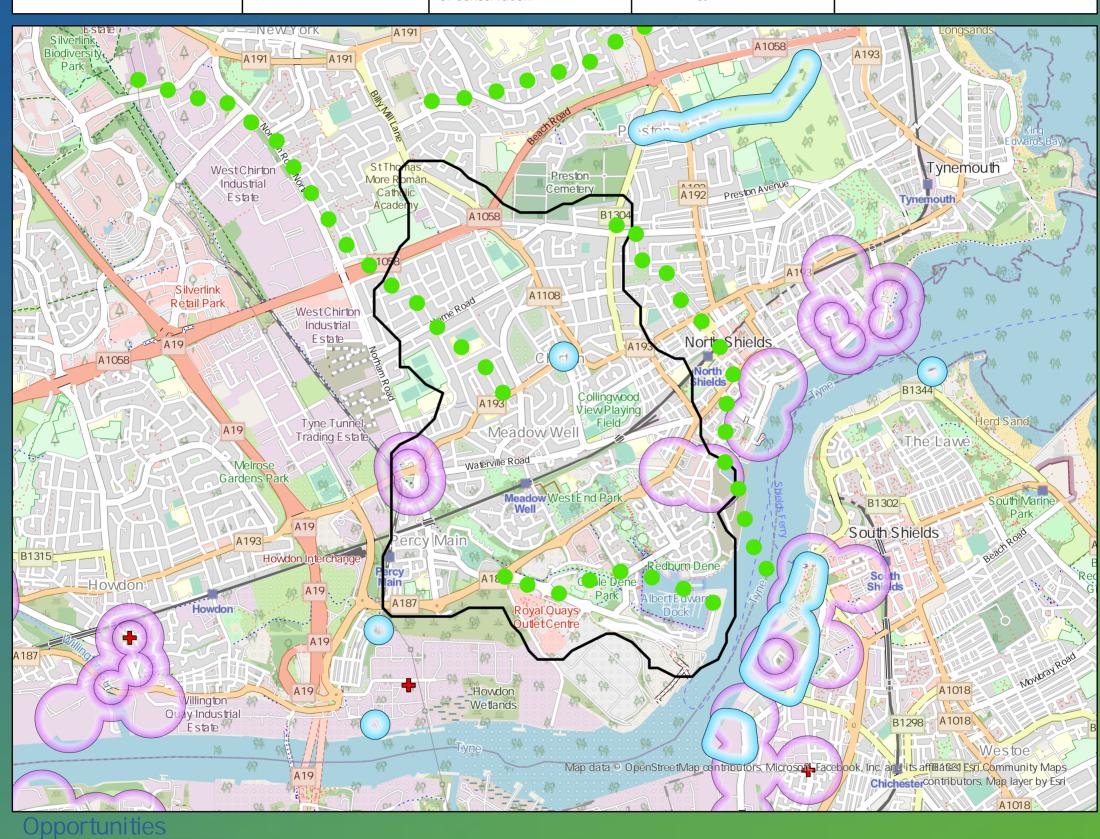
Site of Special Scientific Interest



Strategic Area of Conservation



for Ecology



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_15 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that no investment is required due to the performance of the storm overflow and level of internal property flood risk in the catchment. The catchment will be monitored for future change.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£3,970,000



£13,410,000

THUMBRIAN ER living water



Properties at Risk of Flooding Internally



2045



Post Investment



Storm overflows spilling to Rivers



Storm overflows spilling to Bathing Waters



Manholes at Risk of Pollution



spills to the **Environment**



Post Investment



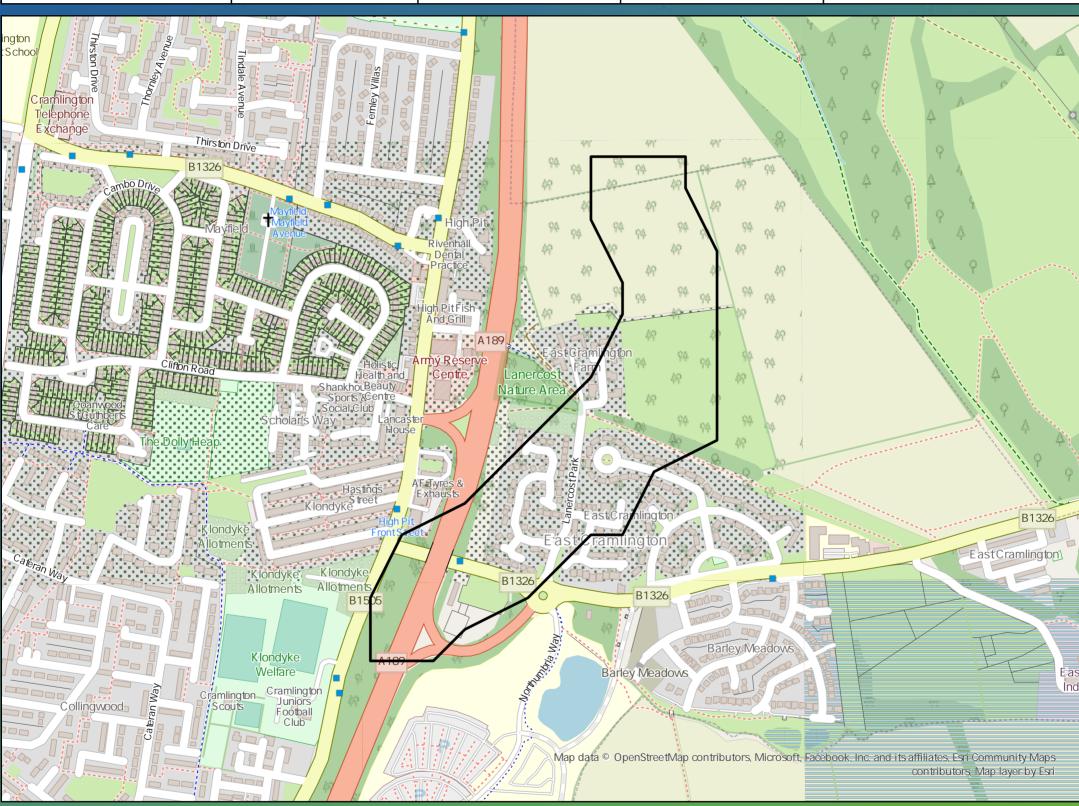
Site of Special Scientific Interest



Strategic Area of Conservation



Strategic Area for Ecology



3rd Party Stakeholder



Storm Overflow Programme



Storm Overflow Removal Drainage Communities

This is drainage community reference DC_16 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that no investment is required due to the performance of the storm overflow and level of internal property flood risk in the catchment. The catchment will be monitored for future change.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.









Properties at Risk of Flooding Internally



2045



Investment



Storm overflows

Site of Special Scientific Interest



Storm overflows spilling to Bathing Waters

Strategic Area



Manholes at Risk of Pollution

Strategic Area





Number of spills to the **Environment**

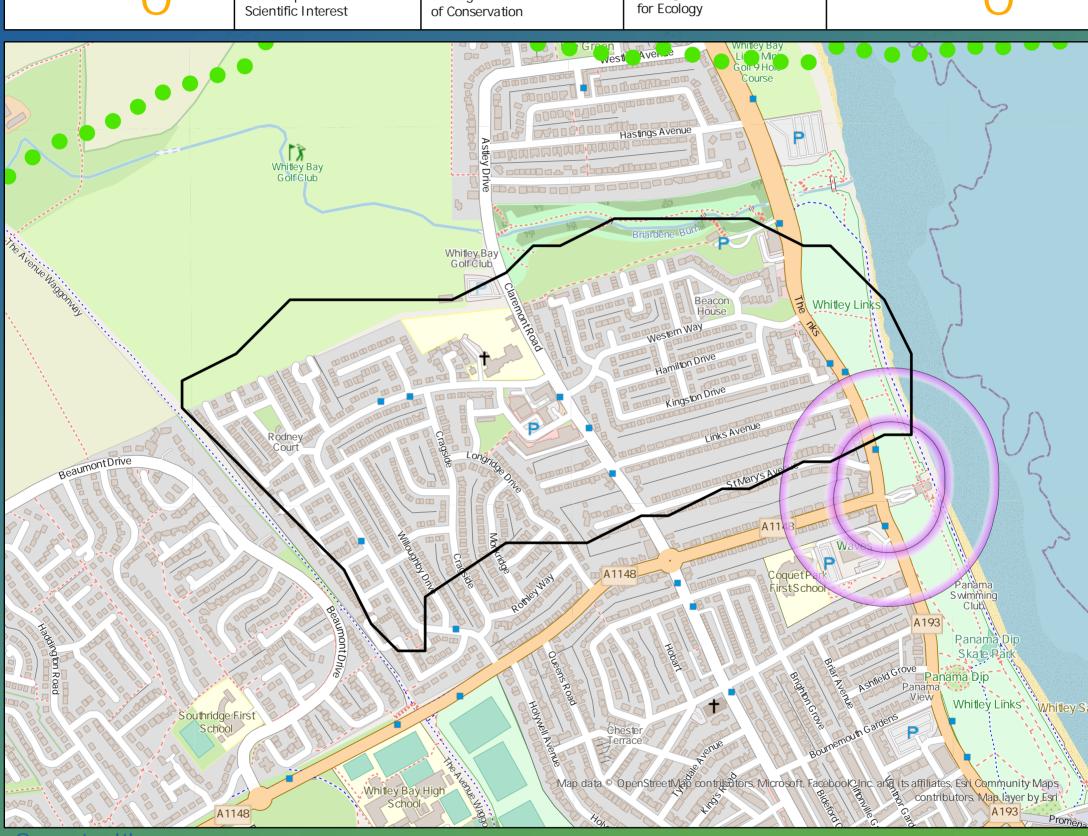


Investment

2020

2045





3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_17 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£760,000



£160,000





Properties at Risk of Flooding Internally





Post Investment









of Pollution



Number of spills to the **Environment**



Post Investment

2045

2020





Site of Special Scientific Interest

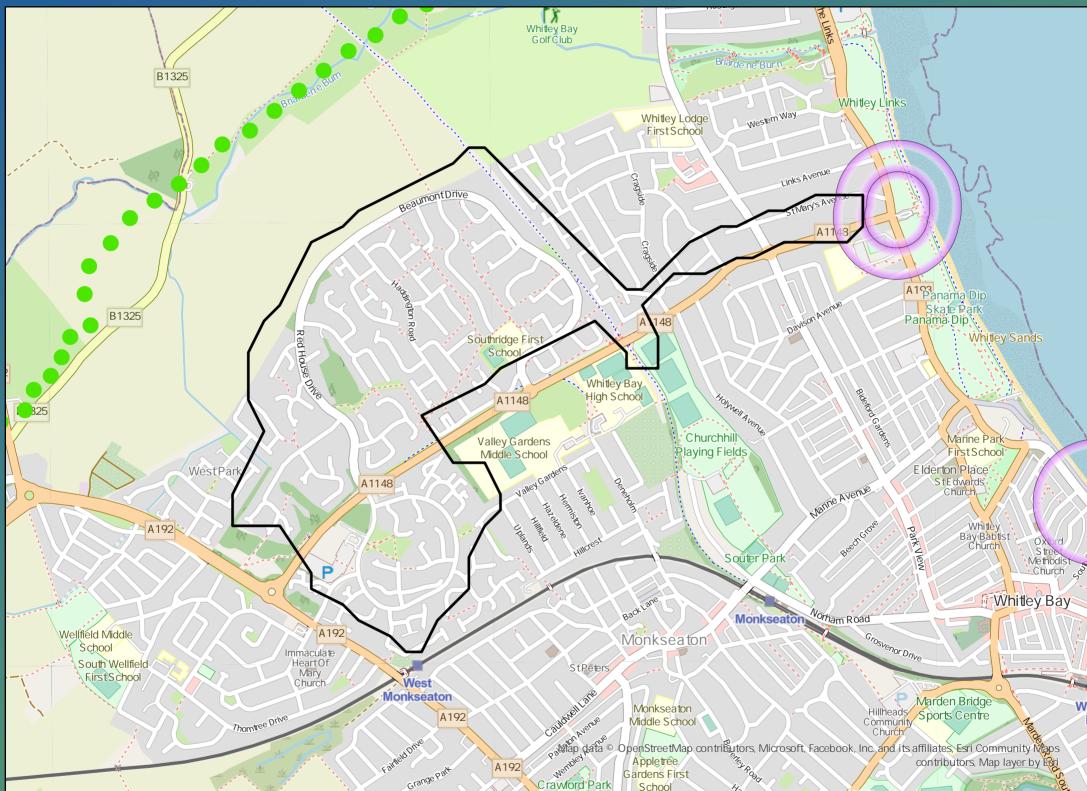


Waters

Strategic Area of Conservation



for Ecology



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal Drainage Communities

performance. The application of growth in the catchment has shown that no investment is required at the sewage treatment works.

This is drainage community reference DC_18 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding

£790,000



£1,120,000





Properties at Risk of Flooding Internally



2045



Post Investment



Site of Special

Scientific Interest



Waters



Strategic Area of Conservation



Manholes at Risk of Pollution

Strategic Area

for Ecology



Number of spills to the **Environment**

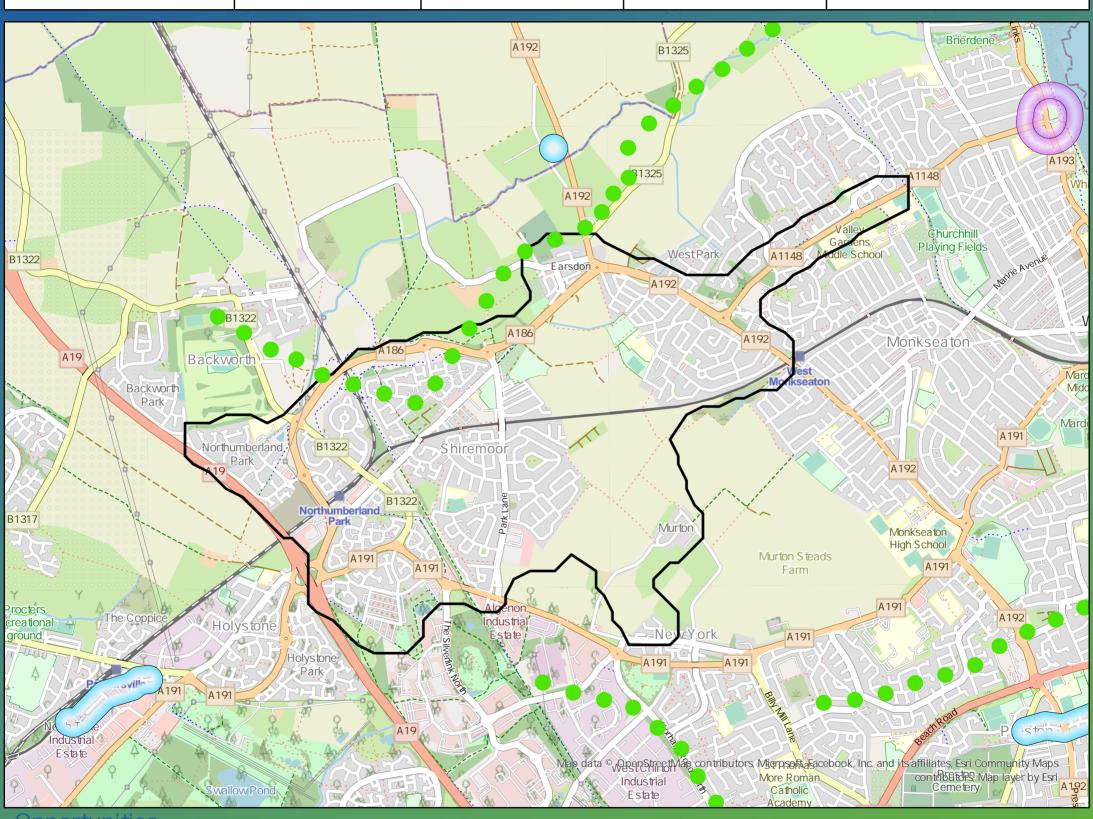


Investment



2020

2045



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_19 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£2,630,000



£5,000,000

NORTHUMBRIAN WATER liwing water



Properties at Risk of Flooding Internally

2020

Investment





spilling to Rivers



Storm overflows spilling to Bathing Waters









Number of spills to the **Environment**



Investment

2020



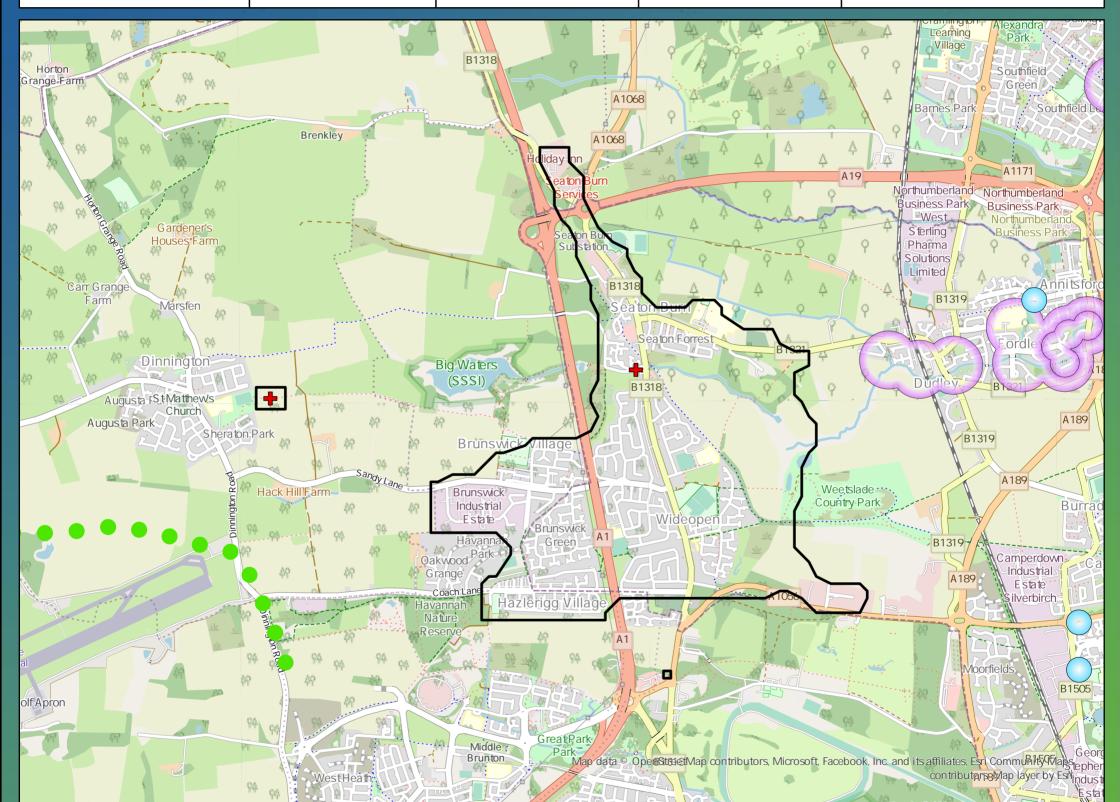
Site of Special Scientific Interest



Strategic Area of Conservation



Strategic Area for Ecology



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal Drainage Communities

This is drainage community reference DC_20 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that no investment is required due to the performance of the storm overflow and level of internal property flood risk in the catchment. The catchment will be monitored for future change.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£2,200,000



£12,430,000

RTHUMBRIAN TER living water



Properties at Risk of Flooding Internally

2020

Investment



spilling to Rivers



spilling to Bathing Waters



Manholes at Risk of Pollution



Number of spills to the **Environment** 2020

Investment



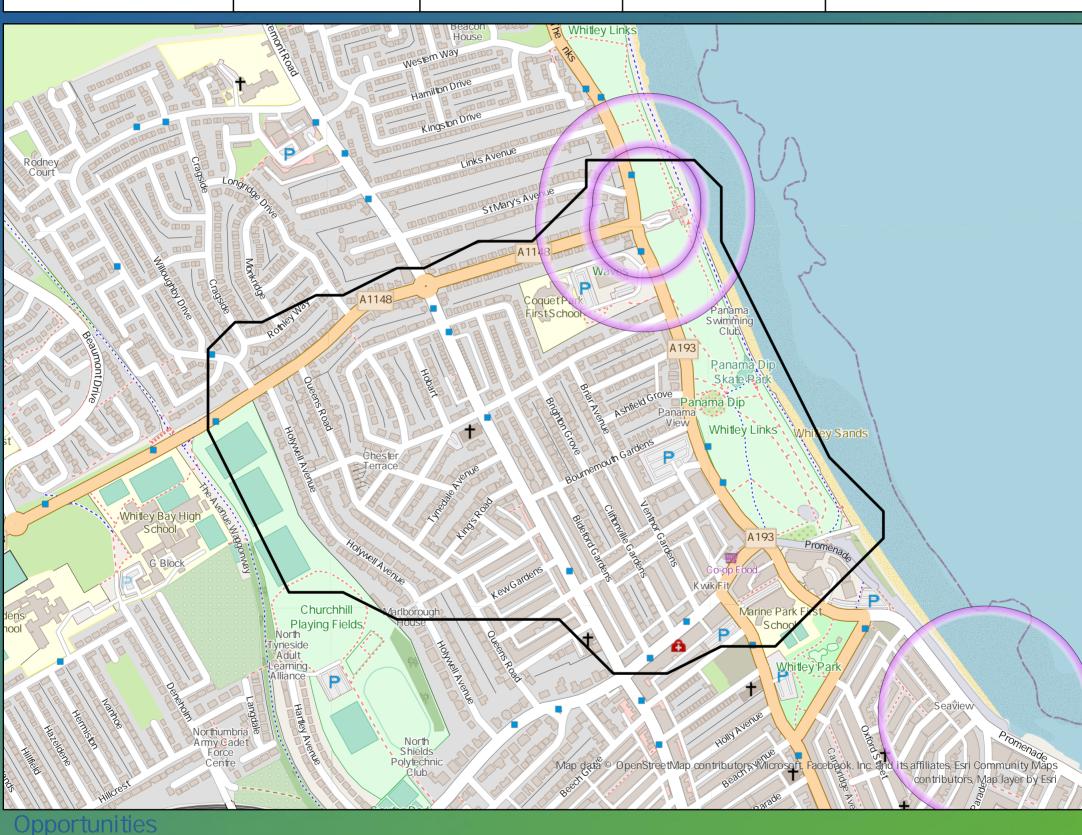
Site of Special Scientific Interest



Strategic Area of Conservation



for Ecology



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_21 which is within the Howdon area.

The drainage community is classified as high priority based upon it containing a river water asset discharging to an environmentally sensitive area.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£4,660,000



£35, 310,000

RTHUMBRIAN TER living water



Properties at Risk of Flooding Internally

2020

Investment



Storm overflows spilling to Rivers



Storm overflows spilling to Bathing Waters



Manholes at Risk of Pollution



Number of spills to the **Environment**



2045

Investment



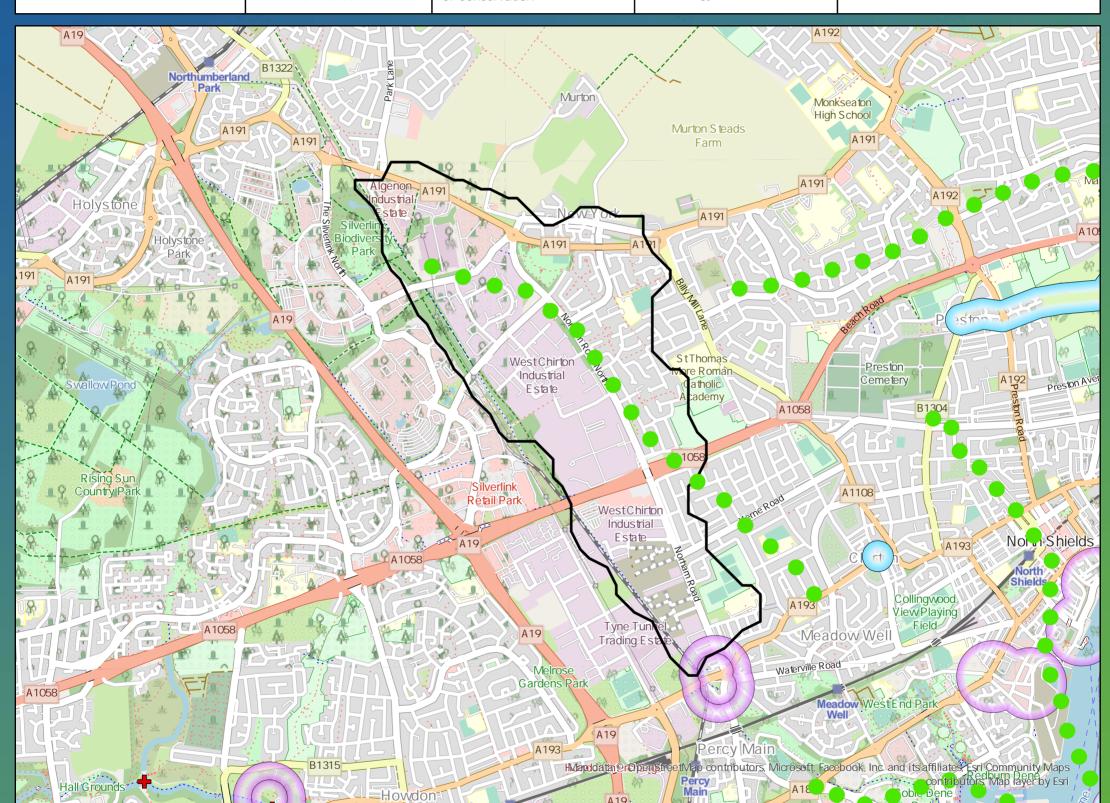
Site of Special Scientific Interest



Strategic Area of Conservation



for Ecology



3rd Party Stakeholder

WINEP Programme

Storm Overflow Programme

Blue Green Corridor

Storm Overflow Removal

Drainage Communities

This is drainage community reference DC_22 which is within the Howdon area.

The drainage community is classified as low priority based upon it containing a river water asset discharging to an area without environmental concerns.

The DWMP recommends that storage at the storm overflow(s) and storage in the catchment is created to manage and improve spill and flooding performance.

The application of growth in the catchment has shown that no investment is required at the sewage treatment works.



£860,000



£4,240,000