In Parliament – Session 2022 - 2023

HS2

# High Speed Rail (Crewe – Manchester)

## Background information and data accompanying SES2 and AP2 ES

**Water resources and flood risk**

BID WR-002-00001 SES2 and AP2 ES

Water Framework Directive compliance assessment baseline data - Part 2 of 2

S111

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**S111**

Department for Transport

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High Speed Two (HS2) Limited
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.hs2.org.uk

A report prepared for High Speed Two (HS2) Limited:

ARUP+ ERM | FOSTER + PARTNERS | JACOBS
RAMBOLL | TYPSA | COSTAIN

MWJV
Mott MacDonald | WSP

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# 4 Groundwater baseline

## 4.1 WFD groundwater bodies

4.1.1 Table 84 presents the baseline information for all WFD groundwater bodies in the study area and indicates whether they have been screened in for WFD preliminary assessment based on their potential to be affected by the AP2 revised scheme.

4.1.2 The locations of the relevant WFD groundwater bodies are shown in Figure 16 to Figure 18.

4.1.3 The 2015 status and status objectives along with the 2019 status information for each WFD groundwater body is then provided in the sections below.

**Table 84: Summary of all WFD groundwater bodies within study area and their 2015 and 2019 Cycle 2 status classifications**

| WFD water body | Water body ID | River Basin district/management plan | 2015 | | | 2019 | | | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|---|---|
| | | | Overall status | Quantitative status | Chemical status | Overall status | Quantitative status | Chemical status | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers | GB41202G991700 | North West | Poor | Good | Poor | Poor | Good | Poor | Yes |
| Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers | GB41201G101700 | North West | Poor | Poor | Poor | Poor | Poor | Poor | Yes |
| Manchester and East Cheshire Permo - Triassic Sandstone Aquifers | GB41201G101100 | North West | Poor | Poor | Poor | Poor | Poor | Poor | Yes |

**Figure 16: WFD groundwater bodies within the study area (Part 1)**

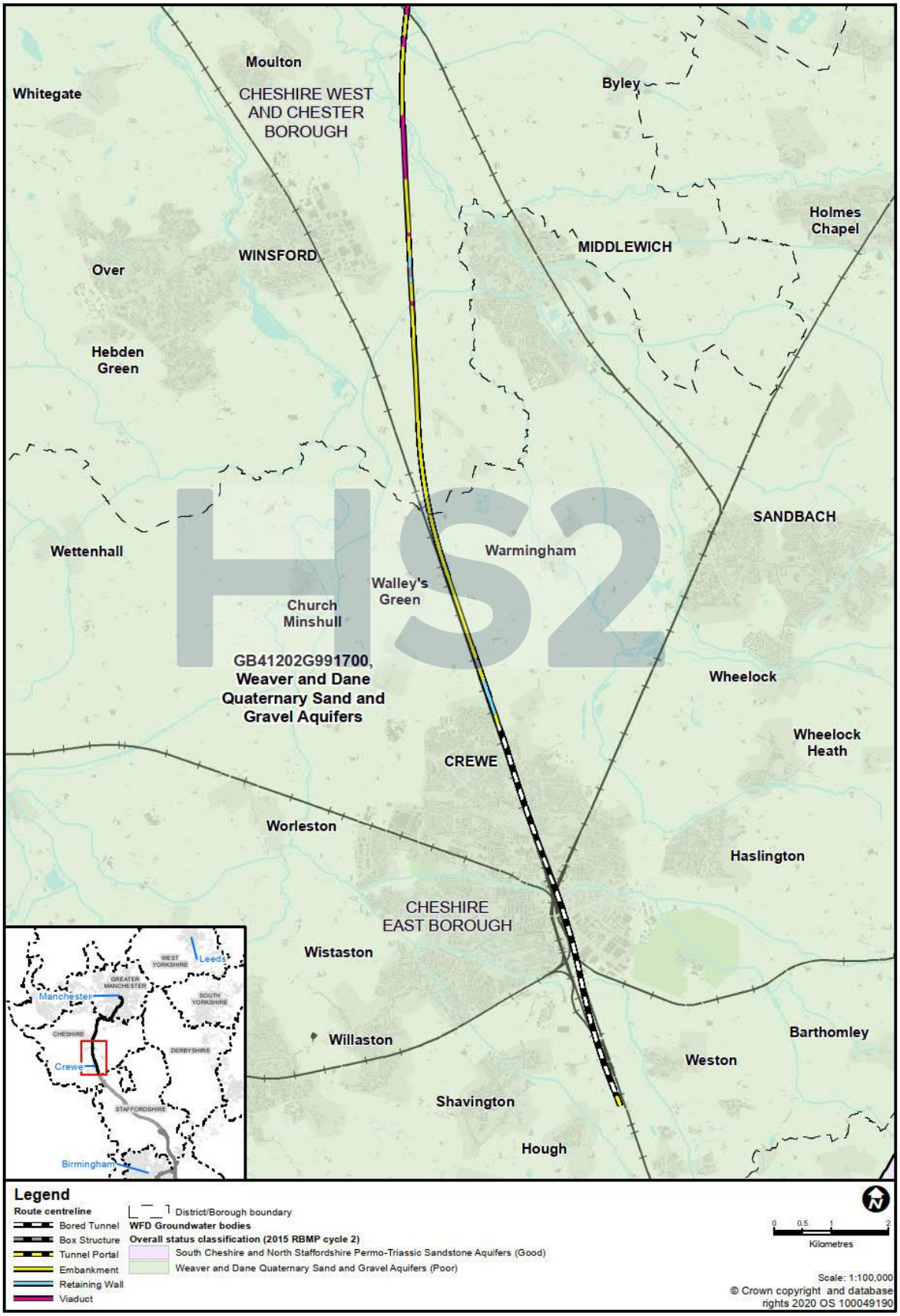


**Figure 17: WFD groundwater bodies within the study area (Part 2)**

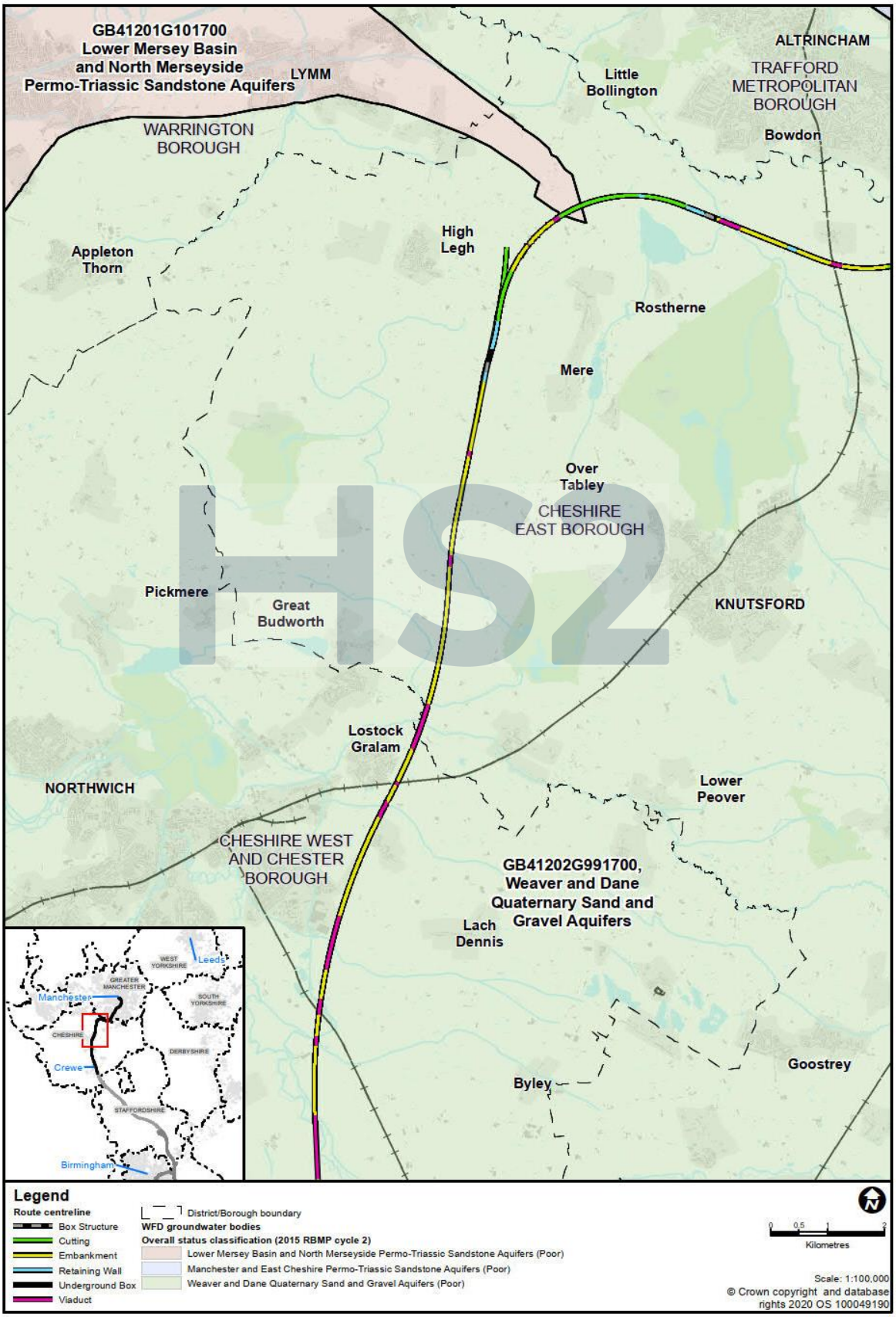
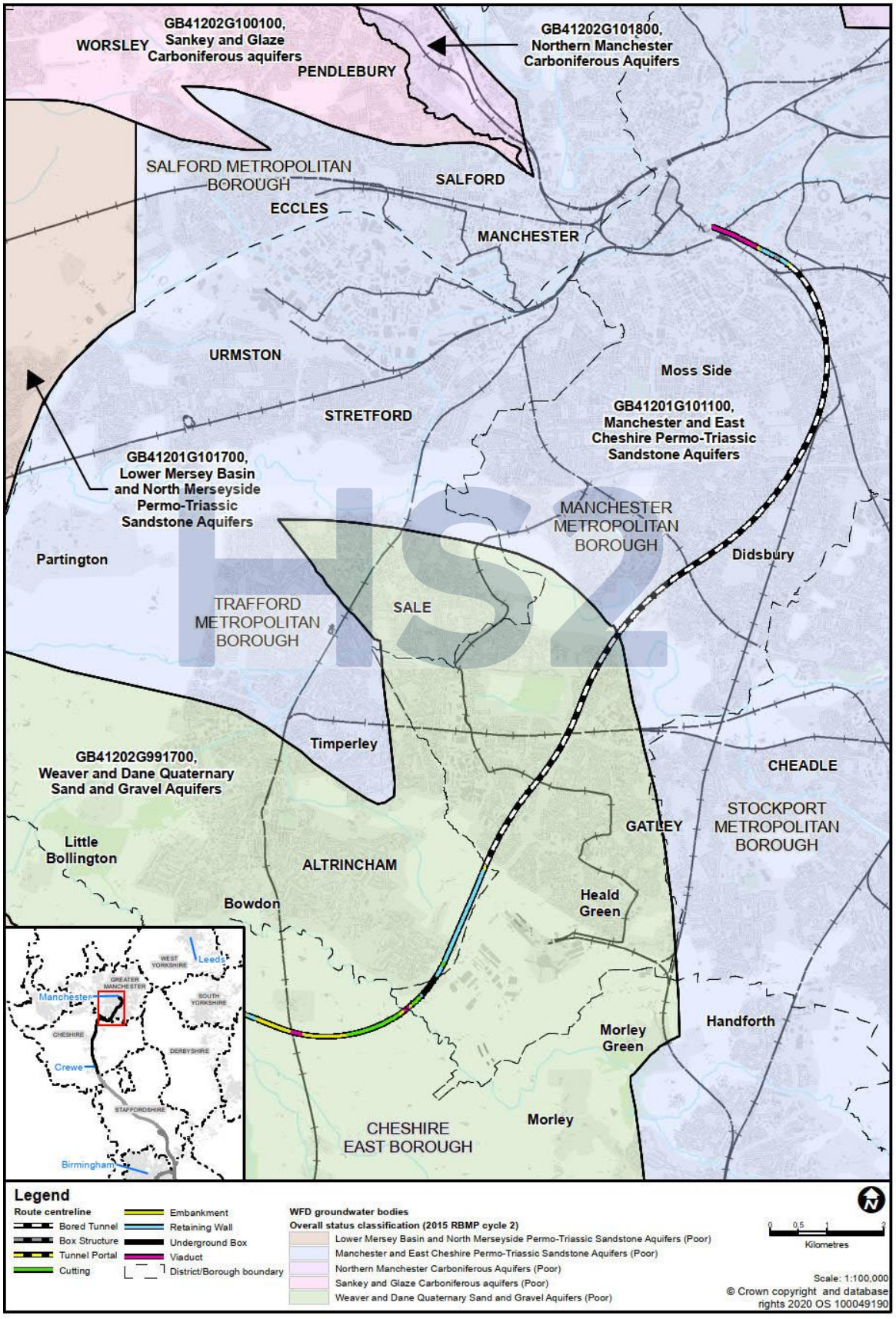


**Figure 18: WFD groundwater bodies within the study area (Part 3)**



# Weaver and Dane Quaternary Sand and Gravel Aquifers (GB41202G991700)

4.1.4 The Weaver and Dane Quaternary Sand and Gravel Aquifers (GB41202G991700) water body is currently assessed as having a poor overall status, good quantitative status, and poor chemical status.

4.1.5 The 2015 Cycle 2 status classification data for the water body are shown in Table 85, along with the 2019 status data. The water body is currently failing the good chemical status objective, and hence the overall status objective, due to the chemical dependent surface water body status (poor), the chemical groundwater dependent terrestrial ecosystems (GWDTE) test (poor) and the general chemical test (poor).

**Table 85: Weaver and Dane Quaternary Sand and Gravel Aquifers – 2015 Cycle 2 status classification, objectives and 2019 status**

| Status element | Status (2015) | RBMP Cycle 2 status objective | Status (2019) |
|---|---|---|---|
| **Overall status** | Poor | Good by 2027 | Poor |
| **Quantitative status** | Good | Good by 2015 | Good |
| Quantitative dependent surface water body status | Good | Good by 2015 | Good |
| Quantitative GWDTEs test | Good | Good by 2015 | Good |
| Quantitative saline intrusion | Good | Good by 2015 | Good |
| Quantitative water balance | Good | Good by 2015 | Good |
| **Chemical status** | Poor | Good by 2027 | Poor |
| Chemical dependent surface water body status | Poor | Good by 2027 | Poor |
| Chemical drinking water protected area | Good | Good by 2015 | Good |
| Chemical GWDTEs test | Poor | Good by 2027 | Poor |
| Chemical saline intrusion | Good | Good by 2015 | Good |
| General chemical test | Poor | Good by 2027 | Poor |

# Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers (GB41201G101700)

4.1.6 The Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers (GB41201G101700) water body is currently assessed as having a poor overall status, poor quantitative status, and poor chemical status.

4.1.7 The 2015 Cycle 2 status classification data for the water body are shown in Table 86, along with the 2019 status data. The water body is currently failing the good quantitative status objective due to the quantitative saline intrusion (poor). It is currently failing the good chemical status objective due to the chemical dependent surface water body status (poor), the chemical drinking water protected area (poor) and the chemical saline intrusion (poor).

**Table 86: Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers – 2015 Cycle 2 status classification, objectives and 2019 status**

| Status element | Status (2015) | RBMP Cycle 2 status objective | Status (2019) |
|---|---|---|---|
| **Overall status** | Poor | Good by 2027 | Poor |
| **Quantitative status** | Poor | Good by 2027 | Poor |
| Quantitative dependent surface water body status | Good | Good by 2015 | Good |
| Quantitative GWDTEs test | Good | Good by 2015 | Good |
| Quantitative saline intrusion | Poor | Good by 2027 | Poor |
| Quantitative water balance | Good | Good by 2015 | Good |
| **Chemical status** | Poor | Good by 2027 | Poor |
| Chemical dependent surface water body status | Poor | Good by 2027 | Poor |
| Chemical drinking water protected area | Poor | Good by 2027 | Poor |
| Chemical GWDTEs test | Good | Good by 2015 | Good |
| Chemical saline intrusion | Poor | Good by 2027 | Poor |
| General chemical test | Good | Good by 2015 | Poor |

# Manchester and East Cheshire Permo-Triassic Sandstone Aquifers (GB41201G101100)

4.1.8 The Manchester and East Cheshire Permo-Triassic Sandstone Aquifers (GB41201G101100) water body is currently assessed as having a poor overall status, poor quantitative status, and poor chemical status.

4.1.9 The 2015 Cycle 2 status classification data for the water body are shown in Table 87, along with the 2019 status data. The water body is currently failing the good quantitative status objective due to the quantitative saline intrusion (poor) and the good chemical status objective due to the chemical saline intrusion (poor).

**Table 87: Manchester and East Cheshire Permo-Triassic Sandstone Aquifers – 2015 Cycle 2 status classification, objectives and 2019 status**

| Status element | Status (2015) | RBMP Cycle 2 status objective | Status (2019) |
|---|---|---|---|
| **Overall status** | Poor | Good by 2021 | Poor |
| **Quantitative status** | Poor | Good by 2021 | Poor |
| Quantitative dependent surface water body status | Good | Good by 2015 | Good |
| Quantitative GWDTEs test | Good | Good by 2015 | Good |
| Quantitative saline intrusion | Poor | Good by 2021 | Poor |
| Quantitative water balance | Good | Good by 2015 | Good |
| **Chemical status** | Poor | Good by 2021 | Poor |
| Chemical dependent surface water body status | Good | Good by 2015 | Good |

| Status element | Status (2015) | RBMP Cycle 2 status objective | Status (2019) |
|---|---|---|---|
| Chemical drinking water protected area | Good | Good by 2015 | Good |
| Chemical GWDTEs test | Good | Good by 2015 | Good |
| Chemical saline intrusion | Poor | Good by 2021 | Poor |
| General chemical test | Good | Good by 2015 | Good |

# 4.2 Groundwater features (characterisation of groundwater body baseline)

4.2.1 A range of features such as springs, marshes and other groundwater dependent terrestrial ecosystems (GWDTE) have been used to characterise the baseline condition of the groundwater body.

4.2.2 Table 88 presents the baseline information for all potential groundwater body indicator features identified in the study area and identifies whether they have been screened in to support the WFD preliminary assessment.

4.2.3 The locations of these groundwater features are shown in Figure 19 to Figure 30.

4.2.4 A summary of the baseline condition of each groundwater feature screened in for assessment is then provided in the sections below. Where a field survey has been undertaken, photographic evidence of the feature is also provided.

## Groundwater features screened out

4.2.5 Where a desk study or survey clearly identified a potential feature as being a culvert or habitat is not groundwater dependent, the feature has been screened out. These features are listed in the sections below.

### Weaver and Dane Quaternary Sand and Gravel Aquifers

4.2.6 Where a desk study or survey clearly identified a potential feature as being a culvert or no feature is present, the feature has been screened out. Similarly, where surveys have not identified wetland defining species, the GWDTE has been screened out. The features which have been screened out of the Weaver and Dane Quaternary Sand and Gravel Aquifers are:

- potential spring S_05 – potential spring south of Weston, 105m west of Crewe and Nantwich Circular Walk Path;
- potential spring S_08 – potential sink at Willow View School, Coppenhall Moss;
- potential spring S_10 – potential spring 500m east of Burnt Covert;
- potential spring S_19 – potential spring 210m south of Wimboldsley Grange, at The Dingle;

- potential spring S_22 – potential sink at Clive Green, Clivegreen Lane;
- potential spring S_23 – potential spring at Clive Green, Clivegreen Lane;
- potential spring S_43 – potential sink 165m west of Winnington Wood, north of Lostock Gralam;
- potential spring S_50a – potential spring at Flittogate Farm, Flittogate Lane;
- potential spring S_75 – potential sink east of Grey's Gorse;
- potential spring S_76 – potential spring 130m north-west of Spodegreen Farm;
- potential spring S_116a – potential sink at Mobberley Road, 465m east of Arden House;
- potential spring S_123 – potential sink 50m north of Castle Mill Farm;
- potential spring S_124 – potential sink at Hough Green Farm;
- potential spring S_128 – potential spring at Brook Cottage, Spodegreen Lane;
- GWDTE G_145c – potential water dependent habitat Wood near Chapel Lane (including Hennersley Bank Ancient Woodland);
- potential spring S_149 – potential spring at Lamb's Covert;
- potential spring S_158 – potential spring at Ryecroft Covert, 30m north of Birkin Brook footbridge;
- potential spring S_163 – potential spring 190m south-west of Ashley Hall;
- potential spring S_185 – potential spring at Mandalay, Spodegreen Lane; and
- potential spring S_192 – potential spring at M56 Junction 5 north.

## Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers

4.2.7 This water body is crossed by the AP2 revised scheme, however no groundwater features have been identified within the study area which can be screened out.

## Manchester and East Cheshire Permo-Triassic Sandstone Aquifers

4.2.8 The features which have been screened out of the Manchester and East Cheshire Permo-Triassic Sandstone Aquifers are the Potential spring S_11 – potential spring at Manby Road south.

# Features where no hydrological pathway for impact exists

4.2.9 Where desk study has identified no hydrological pathway between the AP2 revised scheme and a groundwater feature, the feature has been screened out. These features are listed in the sections below.

## Weaver and Dane Quaternary Sand and Gravel Aquifers

- GWDTE G_15d – Ridding Farm Ponds;
- GWDTE G_15e – Worsley Covert and Polestead Wood;
- GWDTE G_17 – Boundary Wood and Weaver Bank Wood;
- potential spring S_39 – potential spring 230m west of Winnington Wood at Lostock Gralam;
- unlicensed abstraction Uab_50b – well at Frog Lane Farm, Pickmere, Knutsford, Cheshire;
- GWDTE G_52a – Bongs Wood and Rough;
- GWDTE G_104 – Rixton Clay Pits;
- GWDTE G_112 – Old Deer Enclosure, Tatton Park;
- potential spring S_113 – potential spring at Blackshaw Heys Farm;
- unlicensed abstraction Uab_115b – abstraction west of Lower House Farm;
- GWDTE G_121 – Cotteril Clough;
- potential spring S_125 – spring at Sunbank Wood east, 230m north of Memorial Stone;
- potential spring S_132 – spring at Sunbank Wood east, 316m north of Memorial Stone;
- potential spring S_170 – spring 90m west of Haslemere Avenue, Hale;
- Environment Agency groundwater level monitoring borehole EAL_206 – Wythenshawe Park Deep; and
- Environment Agency groundwater level monitoring borehole EAL_207 – Wythenshawe Park Shallow.

## Manchester and East Cheshire Permo-Triassic Sandstone Aquifers

- GWDTE G_02 – Rose Hill Woods;
- Environment Agency groundwater level monitoring borehole EAL_12 – Hallidays; and
- Environment Agency groundwater level monitoring borehole EAL_13 – High School.

**Table 88: Summary of groundwater features potentially affected by AP2 revised scheme**

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7256251353 | S_02 | Potential spring 70m east of Chorlton Bank Farm | Yes | 490m south-east of the route of the AP2 revised scheme (330m east of the land required for construction of the AP2 revised scheme). Surveys show that this is a buried stream, acting as a groundwater collect, discharging into Basford Brook. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7289451943 | S_05 | Potential spring south of Weston, 105m west of Crewe and Nantwich Circular Walk Path | No | 860m east of the route of the AP2 revised scheme (820m east of the land required for construction of the AP2 revised scheme). Detailed River Network (DRN) indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7210153665 | S_06 | Potential spring at Savoy Road, Crewe | No | 620m east of the route of the AP2 revised scheme (160m west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7073658617 | S_08 | Potential sink at Willow View School, Coppenhall Moss | No | 830m east of the route of the AP2 revised scheme (40m north of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6981658735 | S_09 | Potential spring 500m south-west of Moss Farm, north of Crewe | Yes | Crossed by the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Survey shows this is a culvert. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6969060399 | S_10 | Potential spring 500m east of Burnt Covert | No | 400m east of the route of the AP2 revised scheme (190m east of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6872460599 | S_11 | Potential spring at Moat House Farm, Minshull Vernon | Yes | 420m west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys show that this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6848461061 | S_12 | Potential spring at The Woodlands, Minshull Vernon | Yes | 520m west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys could not locate a feature however a small, vegetated ditch surrounded by flat grassy fields was identified. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6801961312 | S_13 | Potential sink on Worsley Covert, at Woodside Farm | Yes | 920m west of the route of the AP2 revised scheme (530m north-west of the land required for construction of the AP2 revised scheme). Surveys show this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6873561830 | S_14 | Potential spring 260m west of Park Hall Farm, Minshull Vernon | Yes | 80m west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys confirmed this is a piped discharge from under the railway, not a groundwater feature. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6807562288 | S_15a | Potential sink 230m west of Wimboldsley Hall | Yes | 660m west of the route of the AP2 revised scheme (on the boundary of the land required for construction of the AP2 revised scheme). Surveys show this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6987458613 | G_15b | Moss Bridge Marsh | Yes | Crossed by the route of the AP2 revised scheme (within the land required for the construction of the AP2 revised scheme). Surveys show habitat is a marshy grassland which may be supported by surface water from drainage channels, rainfall or groundwater from underlying glacial till. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6962558759 | G_15c | Spring Plantation Grassland | Yes | 90m west of the route of the AP2 revised scheme (eastern end of site is location within the land required for construction of the AP2 revised scheme). Surveys show habitat is a grassy field with marshy grassland characteristics which may be supported by surface water from drainage channels, rainfall or groundwater from underlying glacial till. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6993560413 | G_15d | Ridding Farm Ponds | No | 610m east of the route of the AP2 revised scheme (430m east of the land required for the construction of the AP2 revised scheme). Not surveyed. Scoped out due to the lack of | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| | | | | | | hydrological pathway between the feature and the AP2 revised scheme. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6811260994 | G_15e | Worsley Covert and Polestead Wood | No | 830m west of the route of the AP2 revised scheme (180m west of the land required for the construction of the AP2 revised scheme). Not surveyed. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6829462201 | S_16 | Spring 100m south of Wimboldsley Hall | Yes | 450m west of the route of the AP2 revised scheme (less than 10m west of the land required for construction of the AP2 revised scheme). Surveys show this feature is a spring flowing into the Tributary of River Weaver 2. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6772462718 | G_17 | Boundary Wood and Weaver Bank Wood | No | 850m west of the route of the AP2 revised scheme (20m west of the land required for construction of the AP2 revised scheme). Not surveyed. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6807463009 | S_18 | Potential sink at The Dingle and Shropshire Union Canal, 235m south of Wimboldsley Grange | Yes | 530m west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys show this is a culvert, not a groundwater feature. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6801463035 | S_19 | Potential spring 210m south of Wimboldsley Grange, at The Dingle | No | 630m west of the route of the AP2 revised scheme (20m west of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6780264427 | G_20 | Wimboldsley Wood | Yes | 760m west of the route of the AP2 revised scheme (20m west of the land required for construction of the AP2 revised scheme). Survey identified woodland with no presence of groundwater features, however, access was not available to all of the site. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | Exact location unknown. Approximately SJ6780264427 | S_21 | Potential saliferous spring in Wimboldsley Wood | Yes | 760m west of the route of the AP2 revised scheme (20m west of the land required for construction of the AP2 revised scheme). The location is not known precisely. Surveys were unable to identify a saliferous spring however access was not available to all of the site. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6801465034 | S_22 | Potential sink at Clive Green, Clivegreen Lane | No | 550m from the route of the AP2 revised scheme (40m south of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6803465071 | S_23 | Potential spring at Clive Green, Clivegreen Lane | No | 500m west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6919169191 | S_24 | Potential spring 180m north of Norcroft Farm | Yes | 650m east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys show this is a land drainage outfall which is not supporting wetland habitat so is assessed as a Low value receptor. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6894965735 | S_25 | Potential spring 100m east of Yew-Tree Farm, Coalpit Lane | Yes | 450m east of the route of the AP2 revised scheme (50m north of the land required for construction of the AP2 revised scheme). Surveys show this is a culvert passing under Shropshire Union Canal, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Unlicensed abstraction | SJ6911165531 | Uab_26 | Mellor Knowl Farm and Otters Retreat | No | 600m east of the route of the AP2 revised scheme (200m south-east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6894465736 | S_27 | Potential spring 100m east Yew-Tree Farm, Coalpit Lane | Yes | 450m east of the route of the AP2 revised scheme (50m north of the land required for construction of the AP2 revised scheme). Surveys show this is a culvert passing under Shropshire Union Canal, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6768965833 | S_28 | Spring south-west of Clive | Yes | 800m west of the route of the AP2 revised scheme (620m south-west of the land required for construction of the AP2 revised scheme). Surveys show this is a spring flowing to the south- | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
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| | | | | | | east, possibly hydraulically connected to Tributary of River Wheelock 5. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6880765992 | S_29 | Potential spring at pond 40m west of Coalpit Lane | No | 310m east of the route of the AP2 revised scheme (30m east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6871066074 | S_30 | Potential spring 140m north of Yew-Tree Farm, Coalpit Lane | No | 220m east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6916666426 | S_31a | Potential spring at Mill Farm, Coalpit Lane | No | 680m east of the route of the AP2 revised scheme (140m north-east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6828366636 | G_31b | Stanthorne Hall Farm | No | 40m west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6905566619 | S_32 | Potential sink at Bostock House, A54 | No | 600m east of the route of the AP2 revised scheme (130m south of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6890266690 | S_33a | Spring 215m west of Bostock House, A54 | Yes | 440m east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys show this is a spring flowing south-east and is likely | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| | | | | | | to discharge to the River Wheelock via potential sink at Bostock House, A54. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Unlicensed abstraction | SJ6820167304 | Uab_33b | Bank Farm, Stanthorne, Middlewich | No | 230m west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ3777067121 | G_34a | Greenhays Farm Pasture | No | 400m east of the route of the AP2 revised scheme (adjacent to the land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6836568138 | G_34b | River Dane, Bostock | No | Crossed by the route of the AP2 revised scheme (partially within the land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6899167121 | G_34c | Oak Clump | No | 300m west of the route of the AP2 revised scheme (adjacent to the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6830868068 | G_35 | Bull's Wood and Meadow | No | Crossed by the route of the AP2 revised scheme (partially within the land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6847870728 | G_36 | Whatcroft Lane Wetlands | No | Crossed by the route of the AP2 revised scheme (within the land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7015775044 | G_37 | Long Wood | No | Crossed by the route of the AP2 revised scheme (within the land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7026775338 | S_38 | Potential spring at Winnington Belt, 100m east of Nursery on Ascol Drive | Yes | 160m east of the route of the AP2 revised scheme (within the land required for the construction of the AP2 revised scheme). Surveys confirm this feature is a drainage outfall not supporting any groundwater dependent habitat so is a Low value receptor. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6947275498 | S_39 | Potential spring 230m west of Winnington Wood at Lostock Gralam | Yes | 660m north-west of the route of the AP2 revised scheme (310m north-west of the land required for construction of the AP2 revised scheme). Surveys unable to confirm the if the feature resulted from groundwater or overland flow. Wetland habitat identified. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6971875528 | S_40a | Potential spring at Winnington Wood, north-east of Lostock Gralam | Yes | 440m west of the route of the AP2 revised scheme (240m north-west of the land required for construction of the AP2 revised scheme). Surveys show this is a land drainage outfall with no wetland habitat in proximity. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
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| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6851474354 | G_40e | Wade Brook | No | 420m west of the route of the AP2 revised scheme (partially within land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ6964275583 | G_42 | Wincham Brook Valley and Mill Wood | Yes | 490m west of the route of the AP2 revised scheme (300m north-west of the land required for construction of the AP2 revised scheme). Partial surveys show the habitat is unlikely to be groundwater dependent, but further surveys are required. Assumed to be groundwater dependent on a precautionary basis. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6947575610 | S_43 | Potential sink 165m west of Winnington Wood, north of Lostock Gralam | No | 700m west of the route of the AP2 revised scheme (430m north-west of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6972475960 | S_45 | Spring 215m south-east of Home Farm, Higher Wincham | Yes | 560m north-west of the route of the AP2 revised scheme (370m west of the land required for construction of the AP2 revised scheme. Surveys show that this is a potential spring with significant overland flow entering the area. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ6974376547 | S_46 | Potential spring 220m west of Leonards Wood | Yes | 720m west of the route of the AP2 revised scheme (540m south-west of the land required for construction of the AP2 revised scheme). Survey shows this is a culvert, not a groundwater feature. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7143977475 | S_48 | Potential spring at Cley House Farm, Flittogate Lane | Yes | 790m east of the route of the AP2 revised scheme (220m south-east of the land required for construction of the AP2 revised scheme). Surveys confirmed it is a possible spring supporting a high value watercourse. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7063376092 | G_49a | Smoker Wood | No | Crossed by the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7117277943 | G_49b | Rinks Wood and Round Wood | No | 480m east of the route of the AP2 revised scheme (340m east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7094678053 | S_50a | Potential spring at Flittogate Farm, Flittogate Lane | No | 250m east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Unlicensed abstraction | SJ6970478605 | Uab_50b | Well at Frog Lane Farm, Pickmere, Knutsford, Cheshire | No | 930m west of the route of the AP2 revised scheme (170m west of the land required for the construction of the AP2 revised scheme). Not yet surveyed. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers | GWDTE | SJ7070678665 | G_51 | Arley and Waterless Brook Corridor | Yes | Crossed by the route of the AP2 revised scheme (within the land required for construction of the AP2 revised | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| GB41202G991700 | | | | | | scheme). The habitat is supported by the surface watercourse, which is likely to be groundwater fed, hence the habitat may be supported by both groundwater and surface water. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7040279451 | G_52a | Bongs Wood and Rough | No | 580m west of the AP2 revised scheme (360m west of land required for construction of the AP2 revised scheme). Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Unlicensed abstraction | SJ7080579603 | Uab_52b | Well at Heyrose Farm, Over Tabley, Knutsford | Yes | Crossed by the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Communication with landowner confirmed that the well is capped and no longer in use. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7127680467 | S_53 | Potential sink 510m west of Tableypipe Wood | Yes | 220m east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Survey showed this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7150980489 | S_54 | Potential spring 290m west of Tabley Wood, Cheshire East | Yes | 480m east of the route of the AP2 revised scheme (160m east of the land required for construction of the AP2 revised scheme). Survey showed this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers | GWDTE | SJ7179680491 | G_55 | Tableypipe Wood | No | 720m east of the route of the AP2 revised scheme (220m south of land | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| GB41202G991700 | | | | | | required for the construction of the AP2 revised scheme). Not yet surveyed. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7100880534 | S_56 | Potential spring at M6, 160m north of Hollowood Farm, Cheshire East | Yes | 70m west of the route of the AP2 revised scheme (within the land required for the construction of the AP2 revised scheme). Survey showed this is a land drainage outfall which is not supporting wetland habitat. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7199680724 | S_57 | Potential spring north of Tableypipe Wood, Cheshire East | No | 900m east if the route of the AP2 revised scheme (300m north of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7186281522 | S_58 | Potential spring 175m north-west of Kennel Wood, Cheshire East | Yes | 580m east of the route of the AP2 revised scheme (490m south-east of the land required for construction of the AP2 revised scheme). Survey showed recently dredged watercourse has obliterated any natural features. Damaged brick outfall at this location. Local drainage has been modified by construction of A556 drainage including new channels, culverts and a balancing pond. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7185881525 | S_59 | Potential spring 170m north-west of Kennel Wood, Cheshire East | Yes | 580m east of the route of the AP2 revised scheme (490m east of the land required for construction of the AP2 revised scheme). Survey showed recently dredged watercourse has obliterated any natural features. Damaged brick outfall at this location. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| | | | | | | Local drainage has been modified by construction of A556 drainage including new channels, culverts and a balancing pond. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7141081531 | G_60 | Belt Wood | Yes | 160m east of the route of the AP2 revised scheme (on the boundary of the land required for construction of the AP2 revised scheme). Surveys confirmed this is not a groundwater dependent habitat. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7315981832 | G_61 | The Mere, Mere | Yes | 1.8km east of the route of the AP2 revised scheme (260m east of the land required for construction of the AP2 revised scheme). Survey identified no presence of springs or sinks, but groundwater could feed into base of mere. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7152981859 | S_62 | Potential spring 310m east of Daisybank Farm, Winterbottom Lane | Yes | 180m east of the route of the AP2 revised scheme (90m east of the land required for construction of the AP2 revised scheme). Survey confirmed this is a land drainage outfall, not a groundwater feature, and does not support any significant wetland habitat. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7185281892 | S_63 | Potential spring at Belt Wood east | Yes | 500m south-east of the route of the AP2 revised scheme (340m south-east of the land required for construction of the AP2 revised scheme). Survey shows this is a dry, straightened channel with | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
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| | | | | | | near vertical walls. It is unclear if this is a modified spring or a drainage outfall. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7128281923 | S_64 | Potential sink east of Daisybank Farm, Winterbottom Lane | Yes | 60m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys confirmed this is a culvert passing under Winterbottom Lane, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7160182117 | S_65 | Potential spring 360m west of Goodiers Green Farm, Hoo Green Lane | Yes | 200m south-east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys identified the feature as land drainage channel, not a groundwater feature. The feature does not support any significant habitat. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7189482216 | S_66 | Spring at Belt Wood north | Yes | 450m east of the route of the AP2 revised scheme (310m north-east of the land required for construction of the AP2 revised scheme). Survey shows this is a spring supporting a moderate value watercourse. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7174082386 | S_67 | Potential sink 175m south of Hoo Green | Yes | 260m east of the route of the AP2 revised scheme (160m east of the land required for construction of the AP2 revised scheme). Survey shows this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers | Spring | SJ7155882477 | S_68 | Potential spring at Hoo Green Lane, | Yes | 60m east of the route of the AP2 revised scheme (within the land required for construction of the AP2 | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| GB41202G991700 | | | | 200m south-west of Hoo Green | | revised scheme). Surveys showed this is a land drainage outfall, not a groundwater feature, and does not support any significant habitat. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7102482908 | S_69 | Potential spring 250m south-west of Yew Tree Farm, A50 | Yes | 540m west of the route of the AP2 revised scheme (340m south-west of the land required for construction of the AP2 revised scheme). Surveys showed this is a land drainage feature, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7121982941 | S_70 | Potential spring at Dobb Lane, Yew Tree Farm, A50 | Yes | 330m west of the route of the AP2 revised scheme (180m west of the land required for construction of the AP2 revised scheme). Survey showed this is a land drainage outfall, supporting an undesignated habitat. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7076983151 | S_71 | Potential spring at Park Farm, Ditchfield Lane | Yes | 830m east of the route of the AP2 revised scheme (530m east of the land required for construction of the AP2 revised scheme). Survey shows this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7145083461 | S_72a | Spring at Wrenshot House, Wrenshot Lane | Yes | 200m west of the route of the AP2 revised scheme (120m west of the land required for construction of the AP2 revised scheme). Surveys indicate that this is a spring supporting a Low value stream. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers | GWDTE | SJ7112883547 | G_72b | Park Covert | No | 410m west of the route of the AP2 revised scheme (30m west of the land | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| GB41202G991700 | | | | | | required for construction of the AP2 revised scheme). Not yet surveyed. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7158983894 | S_73 | Potential spring at ponds 360m north of Wrenshot House, Wrenshot Lane | Yes | 200m east of the route of the AP2 revised scheme (120m west of the land required for construction of the AP2 revised scheme). Survey shows this is a land drainage feature supporting undesignated habitat. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7167484667 | S_74 | Potential spring 200m south of Middlemoss Farm, Agden Lane | Yes | 60m west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys located a shallow, dry ditch with no wetland ecology. This is not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7325985596 | S_75 | Potential sink east of Grey's Gorse | No | 650m north of the route of the AP2 revised scheme (540m north of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7349585862 | S_76 | Potential spring 130m north-west of Spode Green Farm | No | 880m north of the route of the AP2 revised scheme (620m north of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7435885868 | S_77 | Potential spring at Bowdon roundabout | No | 880m north of the route of the AP2 revised scheme (250m north of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7330285954 | S_78 | Potential spring 25m north-east of The Meadows, Spode Green Lane | No | 980m north-west of the route of the AP2 revised scheme (800m north-west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7603082612 | G_112 | Old Deer Enclosure, Tatton Park | No | 900m south of the route of the AP2 revised scheme (690m south of the land required for construction of the AP2 revised scheme). Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7842382942 | S_113 | Potential spring at Blackshaw Heys Farm | No | 830m south of the route of the AP2 revised scheme (730m east of the land required for construction of the AP2 revised scheme). Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Unlicensed Abstraction | SJ7762983318 | Uab_115a | Abstraction west of Lower House Farm | No | 450m south of the route of the AP2 revised scheme (30m east of the land required for construction of the AP2 revised scheme). Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Unlicensed Abstraction | SJ7671683257 | Uab_115b | Well at Birtles Farm | No | 770m south of the route of the AP2 revised scheme (20m east of land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Unlicensed Abstraction | SJ7733983313 | Uab_115c | Well at Mobberley Road | No | 520m south of the route of the AP2 revised scheme (within land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Unlicensed Abstraction | SJ7686083773 | Uab_115d | Well at Arden House | No | 240m south of the route of the AP2 revised scheme (within land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7738883577 | S_116a | Potential sink at Mobberley Road, 465m east of Arden House | No | 250m south-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7318383162 | S_116b | Potential spring in Bucklow Hill | Yes | 1.5km south-east of the route of the AP2 revised scheme (70m east of land required for construction of the AP2 revised scheme). Surveys unable to identify a groundwater feature at the site but assumed to be high value on precautionary basis. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7327883552 | S_116c | Potential spring east of Chester Road | No | 1.2km south-east of the route of the AP2 revised scheme (330m north of land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ8000183617 | G_117 | Bollin Oxbow at Castle Hill | No | 820m south-east of the route of the AP2 revised scheme (200m south of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7826083708 | S_118 | Potential spring at Ecclesfield Wood | No | 40m south of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7809683729 | G_119 | Ecclesfield Wood | No | Crossed by the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ8021983848 | G_121 | Cotteril Clough | No | 780m south-east of the route of the AP2 revised scheme (215m east of the land required for construction of the AP2 revised scheme). Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7993583926 | S_123 | Potential sink 50m north of Castle Mill Farm | No | 530m south-east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7766383961 | S_124 | Potential sink at Hough Green Farm | No | 190m north of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8014784008 | S_125 | Spring at Sunbank Wood east, 230m north of Memorial Stone | Yes | 620m south-east of the route of the AP2 revised scheme (205m north-east of the land required for construction of the AP2 revised scheme). Surveys | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| | | | | | | confirmed this is a spring supporting a Low value watercourse. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7675984039 | S_126 | Potential spring at Lamb Lane, west of Stock Farm | Yes | 30m south-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Survey shows this is a land drainage outfall, which is not supporting any significant wetland habitat. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8043684044 | S_127 | Potential spring at Cotteril Clough nature reserve | Yes | 810m south-east of the route of the AP2 revised scheme (485m north-east of the land required for construction of the AP2 revised scheme). Surveys confirmed this is a land drainage outfall, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7799984056 | S_128 | Potential spring at Brook Cottage, Spodegreen Lane | No | 320m north of the route of the AP2 revised scheme (240m north of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8018284061 | S_129 | Potential spring at Sunbank Wood east, 267m north of Memorial Stone | Yes | 600m south-east of the route of the AP2 revised scheme (270m north-east of the land required for construction of the AP2 revised scheme). Surveys show this is a land drainage outfall, not a groundwater feature. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7961684063 | S_130 | Spring 130m south-east of Pigleystair Bridge, River Bollin | Yes | 220m south-east of the route of the AP2 revised scheme (25m south-east of the land required for construction of the AP2 revised scheme). Surveys shows there is both a seasonal spring and land drainage outfall at this location. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7960284071 | S_131 | Spring 115m south-east of Pigleystair Bridge, River Bollin | Yes | 200m south-east of the route of the AP2 revised scheme (10m south-east of the land required for construction of the AP2 revised scheme). Surveys confirmed this is a seasonal spring flowing into the River Bollin. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8016384105 | S_132 | Spring at Sunbank Wood east, 316m north of Memorial Stone | Yes | 570m south-east of the route of the AP2 revised scheme (290m north-east of the land required for construction of the AP2 revised scheme). Surveys confirmed this is a spring. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7387884129 | S_133 | Potential spring at Harpers Bank Wood, 216m east of Hunters Moon Rostherne Lane | No | 880m south of the route of the AP2 revised scheme (465m south-east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7955084161 | S_134 | Spring at Pigleystair Bridge, River Bollin | Yes | 100m south-east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys show this is a | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| | | | | | | seasonal spring which flows into the River Bollin. A land drainage outfall was also located. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7371884187 | S_135 | Potential spring at Hunters Moon, Rostherne Lane | No | 820m south of the route of the AP2 revised scheme (315m south-east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7372384194 | S_136 | Potential spring at Hunters Moon, Rostherne Lane | No | 800m south of the route of the AP2 revised scheme (315m south-east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ8001984203 | G_137 | Sunbank Wood and Ponds (including Bollin Bank Ancient Woodland) | Yes | Crossed by the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys indicate there is no evidence of wetland at the habitat but the streams within the habitat are supported by springs. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7398584221 | S_138 | Potential spring in Harpers Bank Wood | No | 800m south of the route of the AP2 revised scheme (510m south-east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7933484225 | S_139 | Potential spring 222m west of Pigleystair Bridge, River Bollin | No | 90m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7845384335 | S_140 | Potential spring 110m west of telecommunication mast at Castle Mill Lane. | Yes | 560m north of the route of the AP2 revised scheme (170m south of the land required for construction of the AP2 revised scheme). Surveys confirm this is a land drainage outfall, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7846084344 | S_141 | Jackson's Bank East | Yes | 550m north of the route of the AP2 revised scheme (162m south of the land required for construction of the AP2 revised scheme). There are springs shown on OS mapping within or close to the habitat, but wetland habitat located along the banks of the River Bollin. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8024384344 | S_142 | Potential spring at Sunbank Wood, 400m east of Halebank Farm | Yes | 470m south-east of the route of the AP2 revised scheme (200m south-east of the land required for construction of the AP2 revised scheme). Surveys confirm this is a land drainage outfall, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7850484410 | S_143 | Potential spring 115m north-west of telecommunication mast at Castle Mill Lane. | Yes | 620m north-west of the route of the AP2 revised scheme (90m south of the land required for construction of the AP2 revised scheme). Survey shows this is a land drainage outfall, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7903884439 | S_144a | Potential spring 75m north of Lower Thornsgreen Farm | Yes | 420m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys show this is a | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| | | | | | | land drainage outfall, not a groundwater feature. A second land drainage outfall, not shown on OS maps, was located 50m downstream. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7905584438 | S_144b | Spring 90m north of Lower Thornsgreen Farm | Yes | 420m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys located a spring not shown on OS maps discharging into an unnamed watercourse. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7910883633 | G_145a | Brickhill Wood | Yes | 180m south-east of the AP2 revised scheme (partially within the land required for the construction of the AP2 revised scheme). Partial surveys showed the habitat is not groundwater dependent but further surveys are required to confirm the nature of the habitat. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7979283924 | G_145b | Mill Wood, Castle Mill | Yes | 190m south-east of the route of the AP2 revised scheme (adjacent to the land required for the construction of the AP2 revised scheme). Surveys confirmed this is a surface water and groundwater dependent habitat. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7943884440 | G_145c | Wood Near Chapel Lane (including Hennersley Bank Ancient Woodland) | Yes | 180m north-west of the route of the AP2 revised scheme (adjacent to land required for construction of the AP2 revised scheme). Surveys confirmed | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| | | | | | | the habitat is not groundwater dependent. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7574684507 | G_147 | Ryecroft Covert | Yes | 30m north of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys that the site is likely to be partially groundwater dependent. A habitat survey is required in order to determine the extent of dependency. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8040684547 | S_148 | Potential spring at Oak Farm Cottages, Sunbank Lane | No | 490m south-east of the route of the AP2 revised scheme (220m south-east of the land required for construction of the AP2 revised scheme). Not yet surveyed | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7640884548 | S_149 | Potential spring at Lamb's Covert | No | 330m north of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7553284560 | G_150 | Hancock's Bank South (including Birkin House) | Yes | Crossed by the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Requires revisit and a habitat survey to determine groundwater dependency. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7610684563 | S_151 | Potential spring at Ryecroft Covert | Yes | 220m north-east of the route of the AP2 revised scheme (40m north-west of the land required for construction of the AP2 revised scheme). Survey shows | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| | | | | | | this is a culvert, not a groundwater feature. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7923084607 | S_152 | Potential spring 60m north-east of River Bollin M56 | Yes | 450m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Survey could not identify a spring feature however path was muddy with raised stone section and newly dug drain. Possible wetland species were present suggesting this is a possible spring. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7923284610 | S_153 | Potential spring 60m north-east of River Bollin M56 | Yes | 450m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Survey could not identify a spring feature however path was muddy with raised stone section and newly dug drain. Possible wetland species were present suggesting this is a possible spring. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7923584613 | S_154 | Potential spring 60m north-east of River Bollin M56 subway | Yes | 450m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Survey could not identify a spring feature however path was muddy with raised stone section and newly dug drain. Possible wetland species were present suggesting this is a possible spring. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8020684632 | S_155 | Potential spring 127m south-east of Keepers Cottage, Sunbank Lane | No | 270m south-east of the route of the AP2 revised scheme (15m south-east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7926084652 | G_156 | Rossmill | Yes | 410m north-west of the route of the AP2 revised scheme (40m north of the land required for construction of the AP2 revised scheme). Potentially a groundwater dependent habitat with contribution from the River Bollin. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8006984653 | S_157 | Spring at Keepers Cottage, Sunbank Lane (south) | Yes | 140m south-east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys confirm this feature is a spring supporting wetland habitat. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7562084654 | S_158 | Potential spring at Ryecroft Covert, 30m north of Birkin Brook footbridge | No | 130m north of the route of the AP2 revised scheme (5m south of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8020884661 | S_159 | Potential spring 120m east of Keepers Cottage, Sunbank Lane | Yes | 250m south-east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8006784668 | S_160 | Potential spring at Keepers Cottage, Sunbank Lane (north) | Yes | 130m south-east of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Survey confirmed no presence of groundwater features. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7920584687 | S_161 | Potential sink 140m north of River Bollin, M56 subway | Yes | 540m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Survey could not find evidence of a sink; a culvert was located at the site. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7940484691 | S_162 | Potential spring 70m south of Haslemere Avenue, Hale | No | 400m north-west of the route of the AP2 revised scheme (22m north-west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7675584709 | S_163 | Potential spring 190m south-west of Ashley Hall | No | 600m north of the route of the AP2 revised scheme (100m north of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7923184720 | S_164 | Potential spring in woodland, 160m south-west of Haslemere Avenue, Hale | Yes | 550m north-west of the route of the AP2 revised scheme (40m north-east of the land required for construction of the AP2 revised scheme). Survey shows this is a land drainage feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers | Spring | SJ7851484727 | S_165 | Potential spring at Jackson's Bank, 35m west of Hale Golf Course south | No | 920m north-west of the route of the AP2 revised scheme (120m west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| GB41202G991700 | | | | | | | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7908484743 | G_166 | Warburton Wood | Yes | 470m north-west of the route of the AP2 revised scheme (partially within the land required for construction of the AP2 revised scheme). Ponds supported by overland flow and a spring located within the site support the woodland habitat and therefore the site is deemed surface water and groundwater dependent. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7874684770 | S_167 | Potential spring at River Bollin, 100m east of Hale Golf Course south | Yes | 870m north of the route of the AP2 revised scheme (25m north-east of the land required for construction of the AP2 revised scheme). Survey shows this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7852884772 | S_168 | Potential sink at Jackson's Bank, 20m west of Hale Golf Course south | No | 950m north-west of the route of the AP2 revised scheme (100m west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7537184790 | G_169 | Hancock's Bank North | No | 160m north of the route of the AP2 revised scheme (90m north-west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers | Spring | SJ7924584795 | S_170 | Spring 90m west of Haslemere Avenue, Hale | Yes | 580m north-west of the route of the AP2 revised scheme (100m north-east of the land required for construction of the AP2 revised scheme). Survey shows | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| GB41202G991700 | | | | | | this is a spring feeding into a stream which discharges into the River Bollin. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7418884914 | G_171 | Rostherne Mere | Yes | 80m south of the route of the AP2 revised scheme (10m south of the land required for construction of the AP2 revised scheme). Survey shows the streams feeding Rostherne Mere are groundwater dependent hence the habitat is at least partially groundwater dependent. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7901584944 | S_172 | Potential spring at River Mead Avenue, Hale | No | 850m north-west of the route of the AP2 revised scheme (260m north-west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7878884945 | S_173 | Spring at Carrwood, 45m west of Pump House | Yes | 980m north-west of the route of the AP2 revised scheme (190m north-west of the land required for construction of the AP2 revised scheme). Surveys show this spring feeds into a tributary of the River Bollin. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7891384966 | S_174 | Potential spring at Carrwood, 75m east of Pump House | No | 990m north-west of the route of the AP2 revised scheme (280m north-west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7380485163 | S_177 | Potential spring 310m north of Mereside Farm, Chester Road, Millington | Yes | 150m north of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys confirm this is a land drainage outfall, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7451985190 | G_178 | Yarwood Heath Covert | Yes | 250m north of the route of the AP2 revised scheme (partially within land required for construction of the AP2 revised scheme). Surveys identified a series of ponds located within this habitat, although it is unclear whether these are supported by groundwater or rainfall. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7632285267 | S_180 | Potential spring at Fish House Plantation | Yes | 960m north-east of the route of the AP2 revised scheme (760m north-east of the land required for construction of the AP2 revised scheme). Survey shows this is a land drainage outfall, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7326185393 | S_181 | Potential spring 100m west of Bowdon View, Coe Lane | Yes | 450m north-west of the route of the AP2 revised scheme (350m north of the land required for construction of the AP2 revised scheme). Surveys confirmed this is a land drainage feature, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8031185440 | S_182 | Potential spring at hotel on Hasty Lane | No | 10m west of the route of the AP2 revised scheme (within the land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7312885482 | G_183 | Grey's Gorse | No | 580m north of the route of the AP2 revised scheme (530m north of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7339985553 | S_184 | Potential sink at Brook Cottage, Spodegreen Lane | Yes | 600m north-west of the route of the AP2 revised scheme (400m north-west of the land required for construction of the AP2 revised scheme). Surveys show this is a drain connected to the local drainage network, not groundwater sink. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7350585598 | S_185 | Potential spring at Mandalay, Spodegreen Lane | No | 620m north of the route of the AP2 revised scheme (370m north-west of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ8045086210 | G_187 | Davenport Green Wood | Yes | Crossed by the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Partial surveys and citation information show this habitat is not groundwater dependent. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ7968786290 | S_188 | Potential spring at Ringway Golf Club, north on Shay Lane | Yes | 900m north-west of the route of the AP2 revised scheme (within the land required for construction of the AP2 revised scheme). Surveys show this is a constructed ditch, not a groundwater feature. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8041786572 | S_189 | Spring at Davenport Green, Roaring Gate Lane | Yes | 340m north-west of the route of the AP2 revised scheme (10m west of the land required for construction of the AP2 revised scheme). Survey shows this spring lies within a shallow valley in proximity to two land drainage outfalls. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ7994886900 | G_190 | Ponds at Davenport Green | No | 450m north-west of the route of the AP2 revised scheme (110m north-west of the land required for construction of the AP2 revised scheme). | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8027287073 | S_191 | Potential spring 145m west of Roaring Gate Farm, Roaring Gate Lane | No | 670m west of the route of the AP2 revised scheme (225m north-west of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8098986654 | S_192 | Potential spring at M56 Junction 5 north | No | 160m south-east of the route of the AP2 revised scheme (10m east of the land required for construction of the AP2 revised scheme). DRN indicates this is a culvert. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8030587774 | S_193 | Potential spring at Dobbinetts Lane, Roundthorn | Yes | 950m north-west of the route of the AP2 revised scheme (990m north of the land required for the construction of the AP2 revised scheme). Surveys show this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers | Spring | SJ8180988919 | S_194 | Potential spring at Blackcarr Wood south, Baguley | Yes | 330m north-west of the route of the AP2 revised scheme (370m south-west of land required for the construction of the AP2 revised scheme). Surveys | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| GB41202G991700 | | | | | | unable to confirm the nature of this feature hence a revisit is required. | |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ8212188985 | G_195 | Blackcarr Wood and Baguley Bottoms | Yes | Crossed by the route of the AP2 revised scheme. Partial surveys show this habitat is not groundwater dependent and the ecology is not favourable however further surveys are required to confirm nature of this habitat. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8180289023 | S_196 | Potential sink at Blackcarr Wood north, Baguley | Yes | 400m north-west of the route of the AP2 revised scheme (360m west of land required for the construction of the AP2 revised scheme). Surveys confirm this is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8243589244 | S_197 | Potential spring at Round Wood south, Northenden | Yes | 10m east of the route of the AP2 revised scheme (180m north of land required for the construction of the AP2 revised scheme). Surveys confirm this feature is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8248589335 | S_198a | Potential sink at Round Wood north, Northenden | Yes | Crossed by the route of the AP2 revised scheme. Surveys confirm this feature is a culvert, not a groundwater feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ8245389329 | G_198b | Round Wood | No | Crossed by the route of the AP2 revised scheme. Not yet surveyed. | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8210589359 | S_199 | Potential spring at Gib Lane Wood south, Baguley | Yes | 330m north-west of the route of the AP2 revised scheme (320m north of land required for the construction of the AP2 revised scheme). Surveys shows this is land drainage outfall. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8240889450 | S_200 | Potential spring at Gib Lane Wood east, Baguley | No | 130m north-west of the route of the AP2 revised scheme (380m north of land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8212989474 | S_201 | Potential sink at Gib Lane Wood south, Baguley | No | 370m north-west of the route of the AP2 revised scheme (435m north of land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8212589490 | S_202 | Potential spring at Gib Lane, Baguley | Yes | 390m north-west of the route of the AP2 revised scheme. Surveys confirm this is a land drainage feature, is not groundwater dependent. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8214189630 | S_203 | Potential sink at Gib Lane Wood west, Baguley | Yes | 450m north-west of the route of the AP2 revised scheme (580m north of land required for the construction of the AP2 revised scheme). Surveys confirm this is a land drainage feature. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Spring | SJ8217789671 | S_204 | Potential sink at Gib Lane Wood north, Baguley | Yes | 440m north-west of the route of the AP2 revised scheme (620m north of land required for the construction of the AP2 revised scheme). Surveys confirm this is a land drainage feature. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | GWDTE | SJ8162789763 | G_205 | Wythenshawe Park and Gib Lane Wood | Yes | 260m north-west of the route of the AP2 revised scheme (300m north of land required for the construction of the AP2 revised scheme). Surveys confirm areas of wetland within the habitat. The habitat is groundwater dependent with rainfall influence during wetter periods. | Yes |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Environment Agency groundwater level monitoring borehole | SJ8176090050 | EAL_206 | Wythenshawe Park Deep | No | 990m north-west of the route of the AP2 revised scheme. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Weaver and Dane Quaternary Sand and Gravel Aquifers GB41202G991700 | Environment Agency groundwater level monitoring borehole | SJ8176090050 | EAL_207 | Wythenshawe Park Shallow | No | 990m north-west of the route of the AP2 revised scheme. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Manchester and East Cheshire Permo-Triassic Sandstone Aquifers GB41201G101100 | GWDTE | SJ8358089409 | G_02 | Rose Hill Woods | Yes | 810m east of the route of the AP2 revised scheme (260m south of the land required for construction of the AP2 revised scheme). Surveys show the wet woodland habitat is partially groundwater dependent. Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Manchester and East Cheshire Permo-Triassic Sandstone Aquifers | GWDTE | SJ8425790067 | G_04 | Stenner Woods and Millgate Field, | Yes | 970m south-west of the route of the AP2 revised scheme (50m south-west of the land required for construction of | Yes |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| GB41201G101100 | | | | Didsbury and Fletcher Moss | | the AP2 revised scheme). Surveys show this habitat is at least partially groundwater dependent. | |
| Manchester and East Cheshire Permo-Triassic Sandstone Aquifers GB41201G101100 | Spring | SJ8453190417 | S_06 | Potential sink at Stenner Lane Museum and Art Gallery | No | 990m south-east of the route of the AP2 revised scheme (400m south-east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Manchester and East Cheshire Permo-Triassic Sandstone Aquifers GB41201G101100 | Licensed abstraction | SJ8395090470 | Lab_07 | Borehole at Didsbury Golf Club Northenden Wythenshawe | No | 550m south-east of the route of the AP2 revised scheme (230m east of the land required for construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Manchester and East Cheshire Permo-Triassic Sandstone Aquifers GB41201G101100 | GWDTE | SJ8378890992 | G_08 | Wrengate Wood and Heycroft | No | Crossed by the route of the AP2 revised scheme (within the land required for the construction of the AP2 revised scheme). Not yet surveyed. | Yes |
| Manchester and East Cheshire Permo-Triassic Sandstone Aquifers GB41201G101100 | Spring | SJ8781195484 | S_11 | Potential spring at Manby Road south | No | 930m east of the land required for the construction of the AP2 revised scheme. DRN indicates this is a culvert. | No |
| Manchester and East Cheshire Permo-Triassic Sandstone Aquifers GB41201G101100 | Environment Agency groundwater level monitoring borehole | SJ8564097620 | EAL_12 | Hallidays | No | 20m north of the route of the AP2 revised scheme (within the land required for the construction of the AP2 revised scheme). Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |

| WFD groundwater body name and ID | Characterisation feature type | National Grid Reference (NGR) | WFD assessment reference ID | Receptor/feature name | Feature surveyed? | Feature description | Screened in for WFD preliminary assessment? |
|---|---|---|---|---|---|---|---|
| Manchester and East Cheshire Permo-Triassic Sandstone Aquifers<br>GB41201G101100 | Environment Agency groundwater level monitoring borehole | SJ8446097780 | EAL_13 | High School | No | 430m south-west of the AP2 revised scheme (250m south-west of the land required for the construction of the AP2 revised scheme). Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |
| Douglas, Darwen and Calder Carboniferous Aquifers<br>GB41202G100300 | GWDTE | SD5939002604 | G_01 | Bryn Marsh and Ince Moss | No | 730m north of the route of the AP2 revised scheme (on the boundary of the land required for construction of the AP2 revised scheme). Scoped out due to the lack of hydrological pathway between the feature and the AP2 revised scheme. | No |

**Figure 19: Groundwater features considered in the assessment of the AP2 revised scheme (Part 1)**

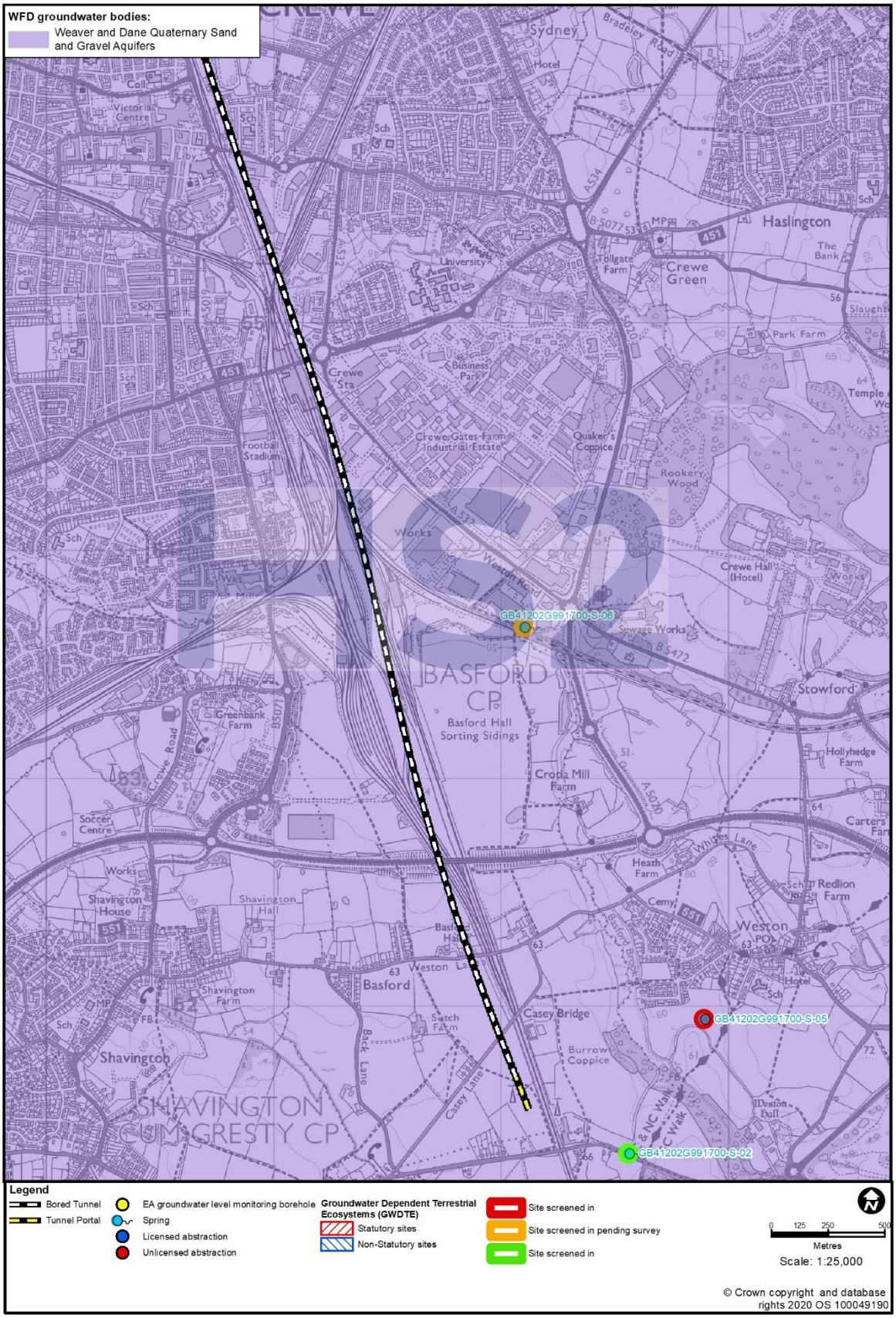


**Figure 20: Groundwater features considered in the assessment of the AP2 revised scheme (Part 2)**

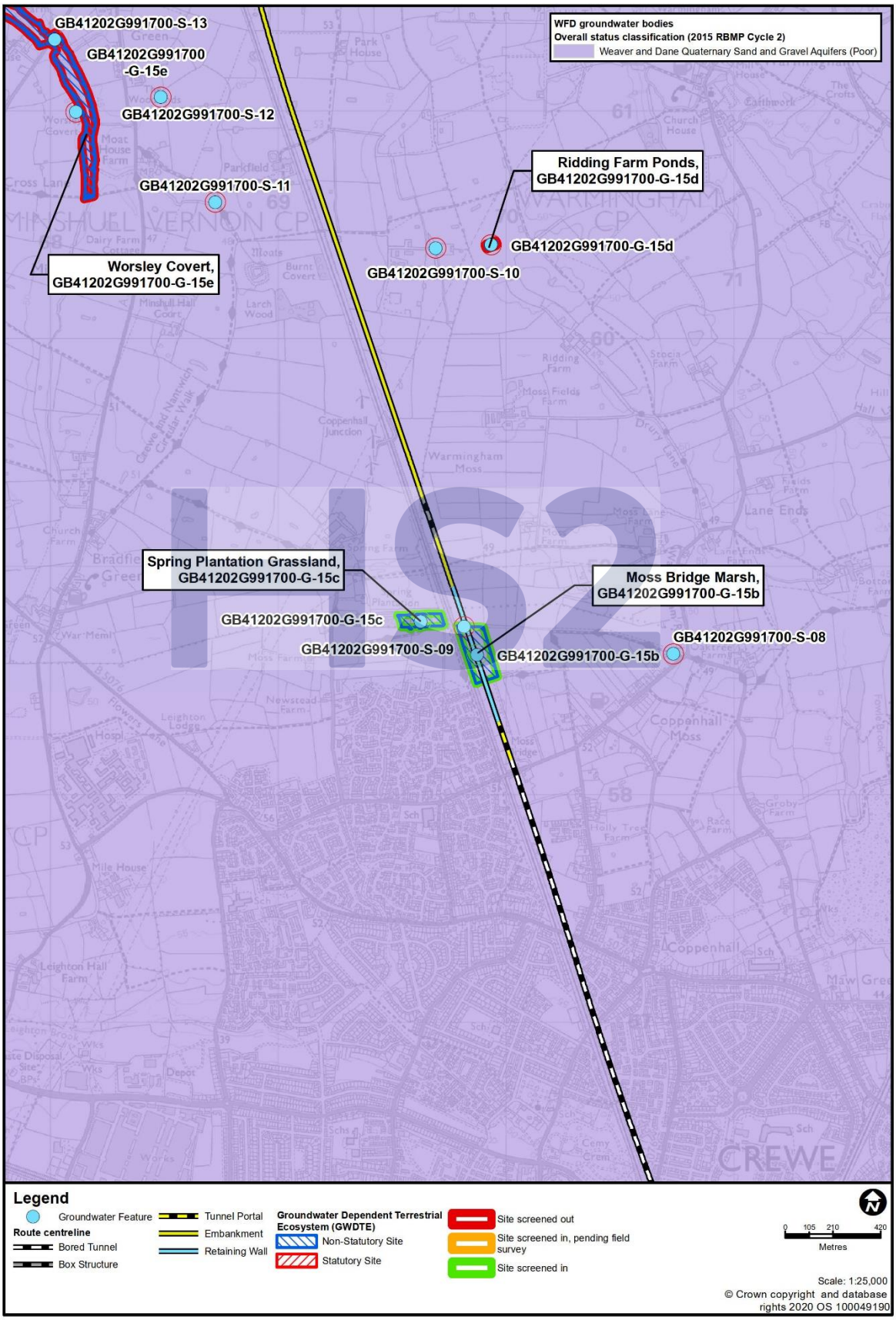


**Figure 21: Groundwater features considered in the assessment of the AP2 revised scheme (Part 3)**

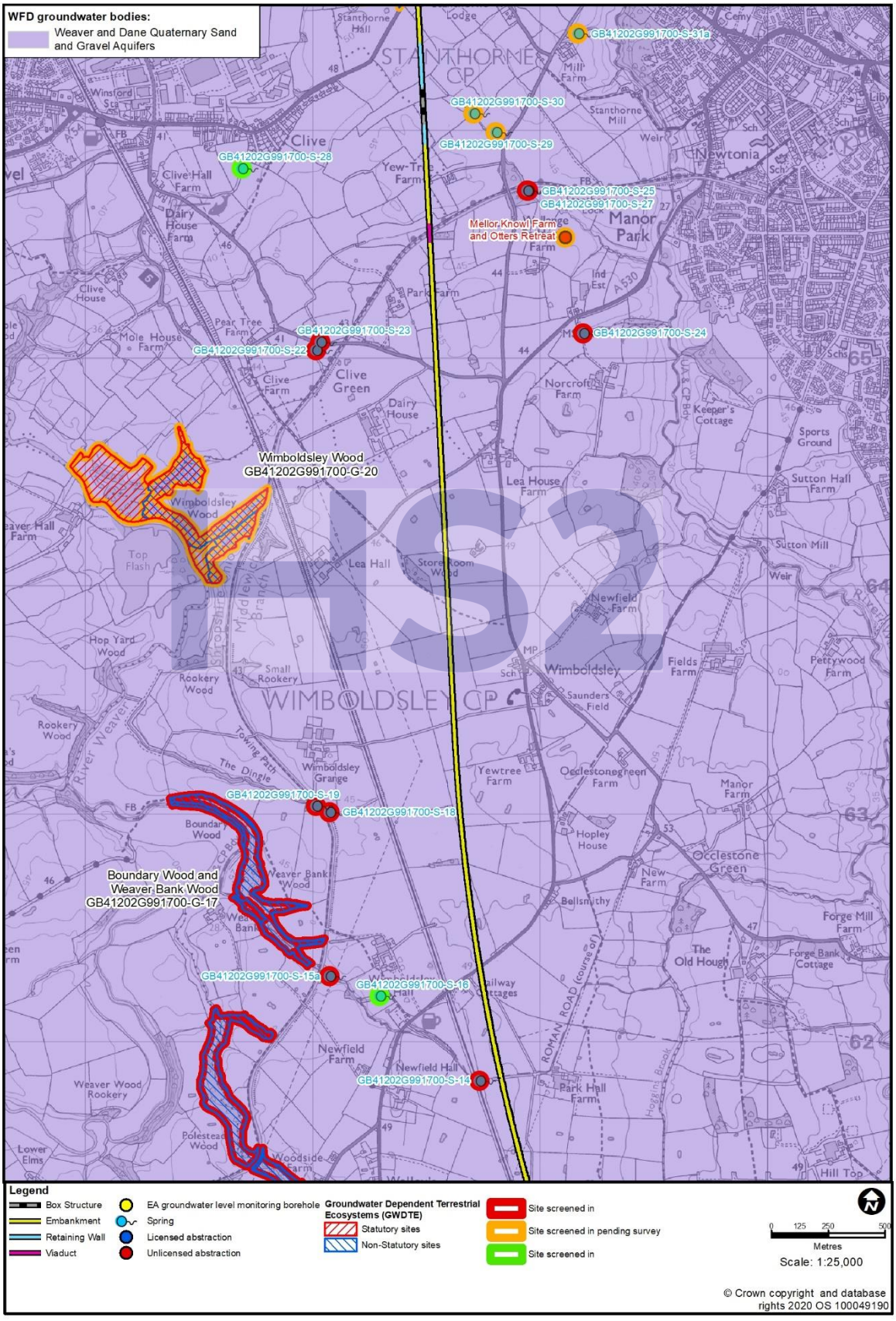


**Figure 22: Groundwater features considered in the assessment of the AP2 revised scheme (Part 4)**

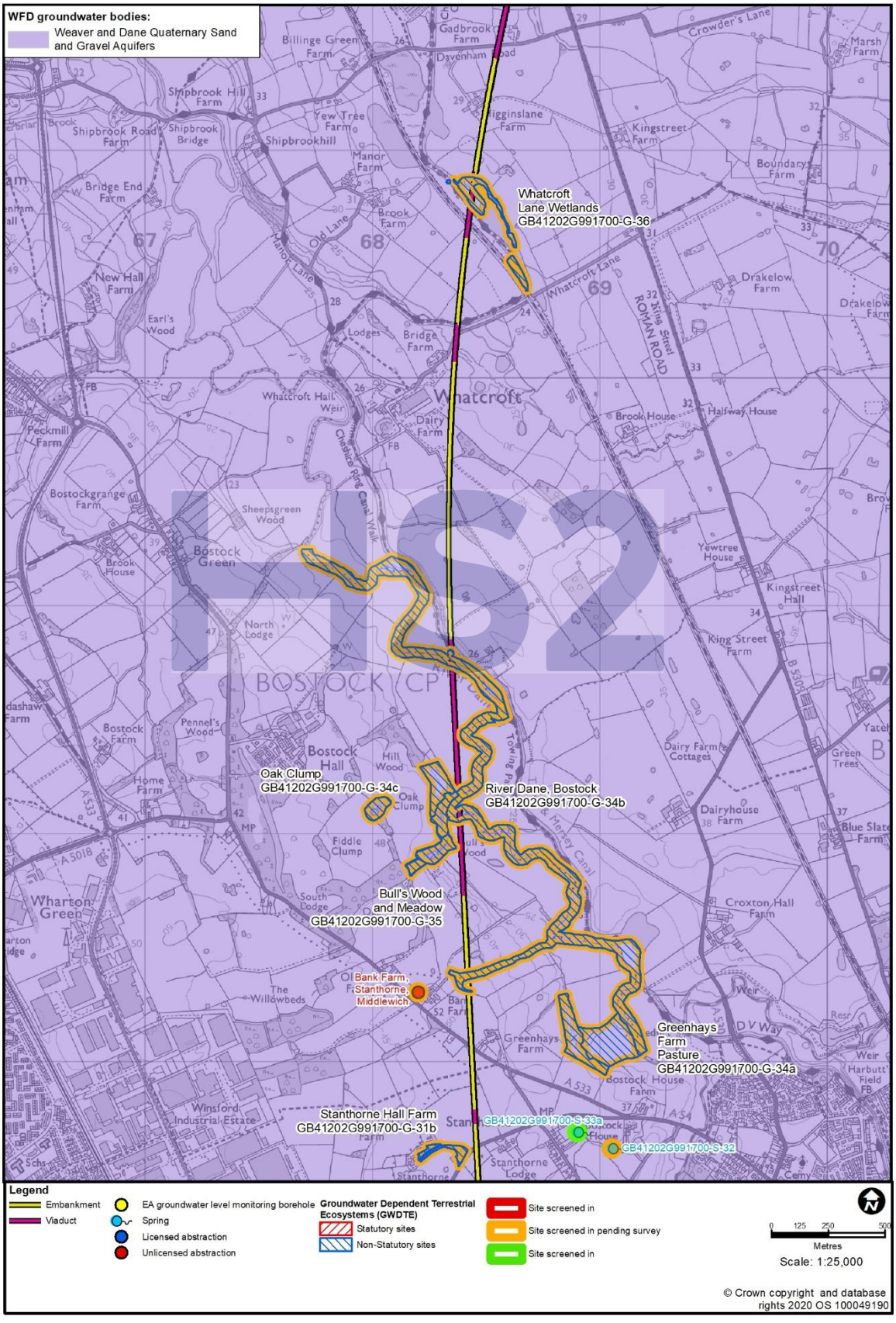
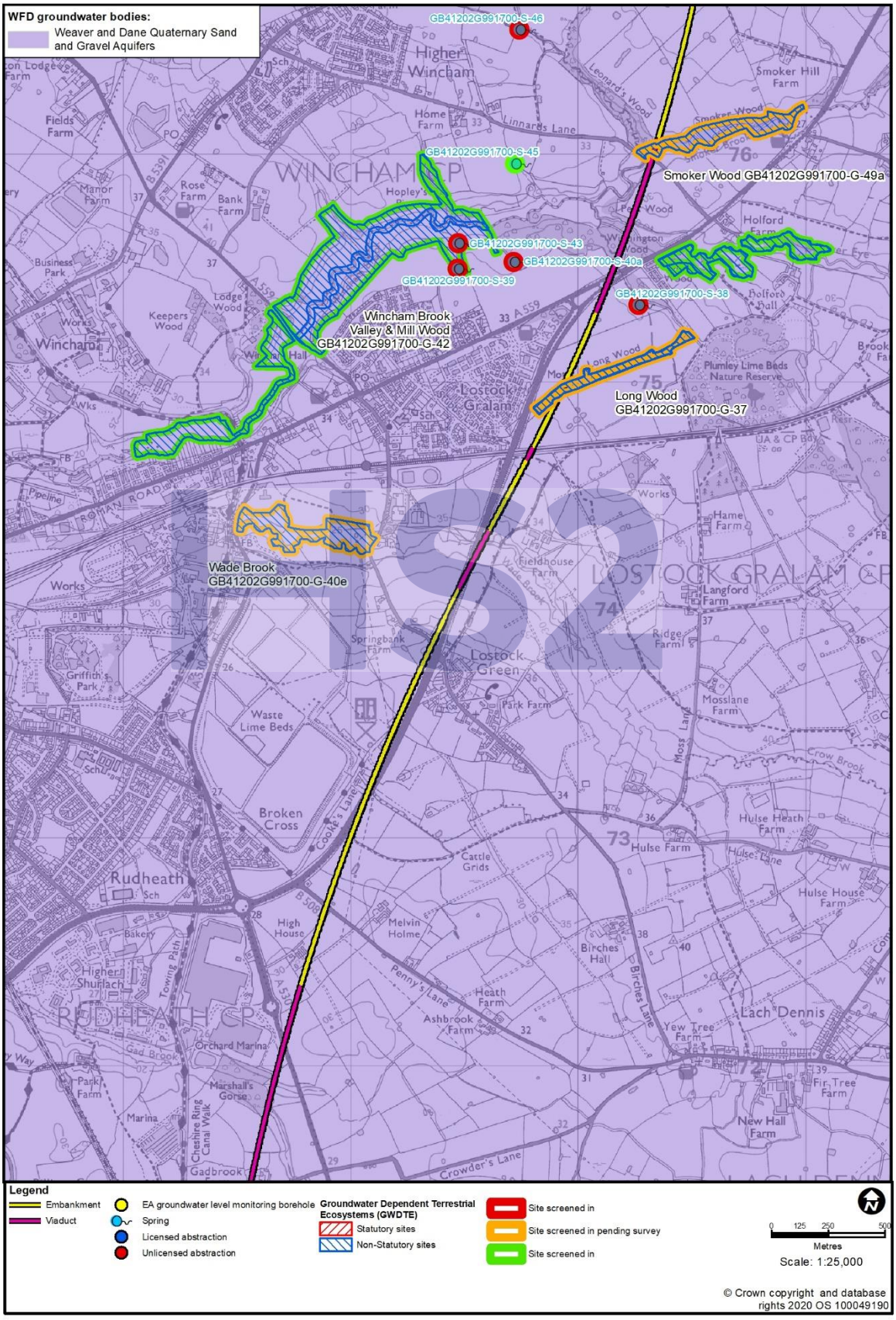
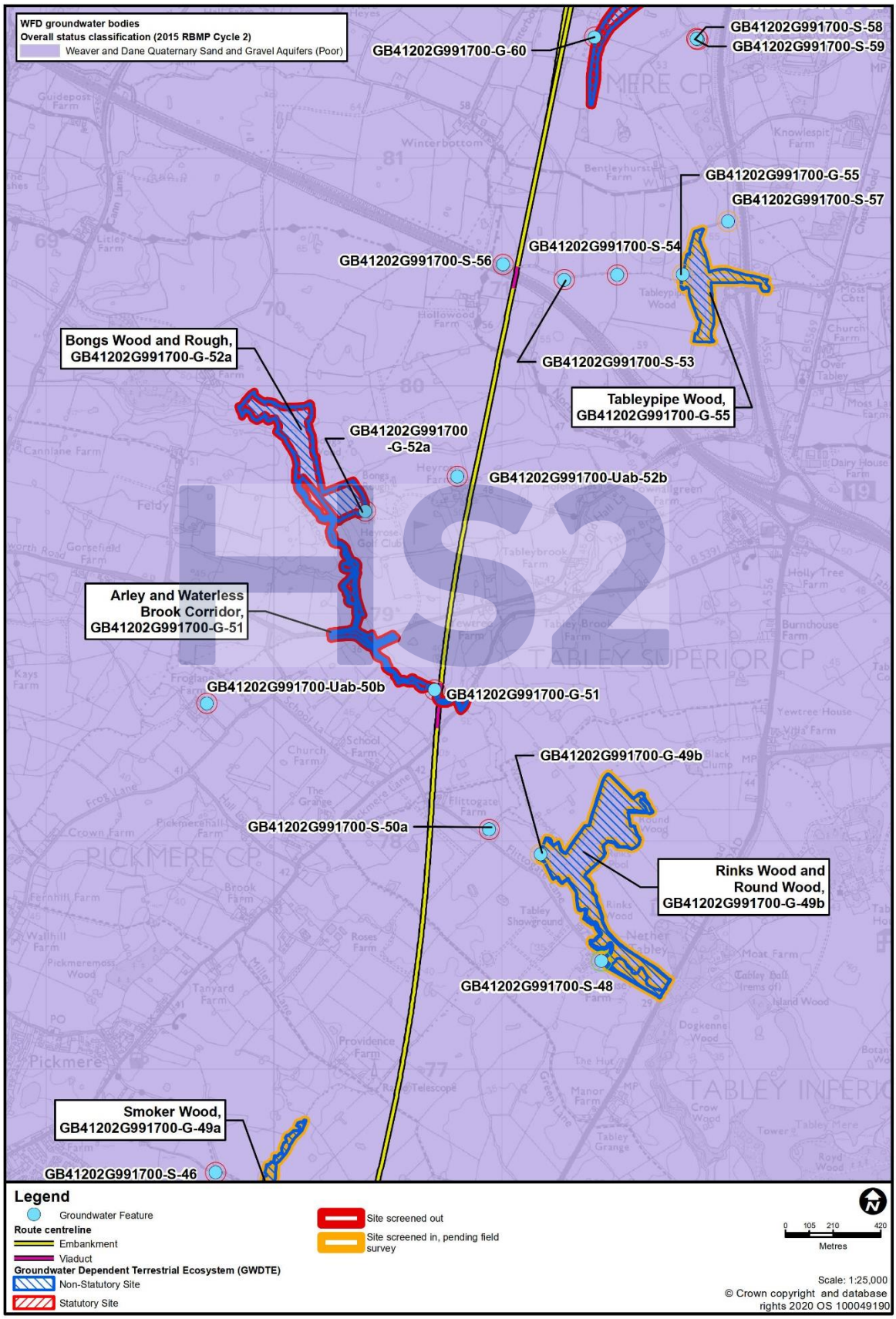


**Figure 23: Groundwater features considered in the assessment of the AP2 revised scheme (Part 5)**



## Figure 24: Groundwater features considered in the assessment of the AP2 revised scheme (Part 6)



## Figure 25: Groundwater features considered in the assessment of the AP2 revised scheme (Part 7)

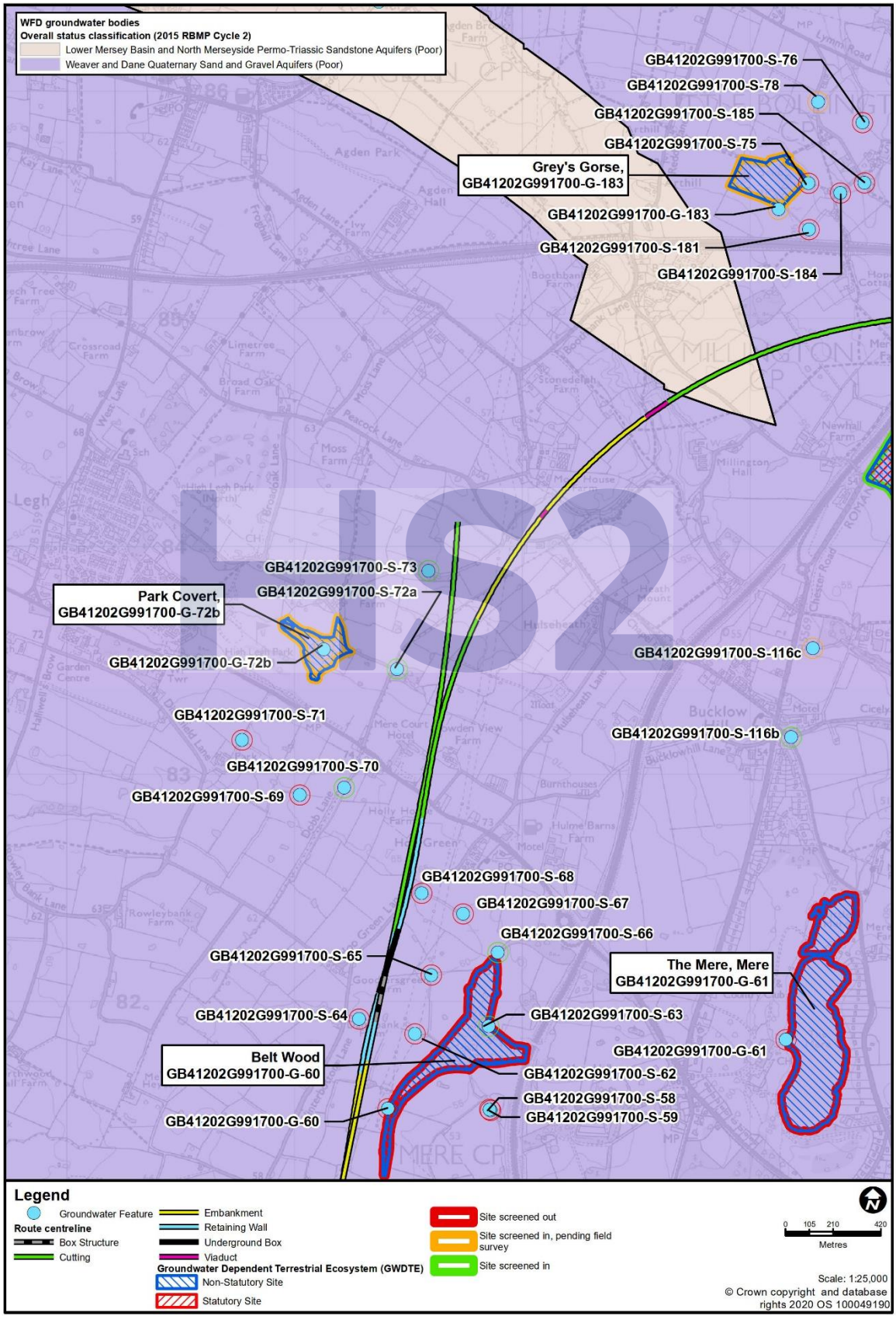
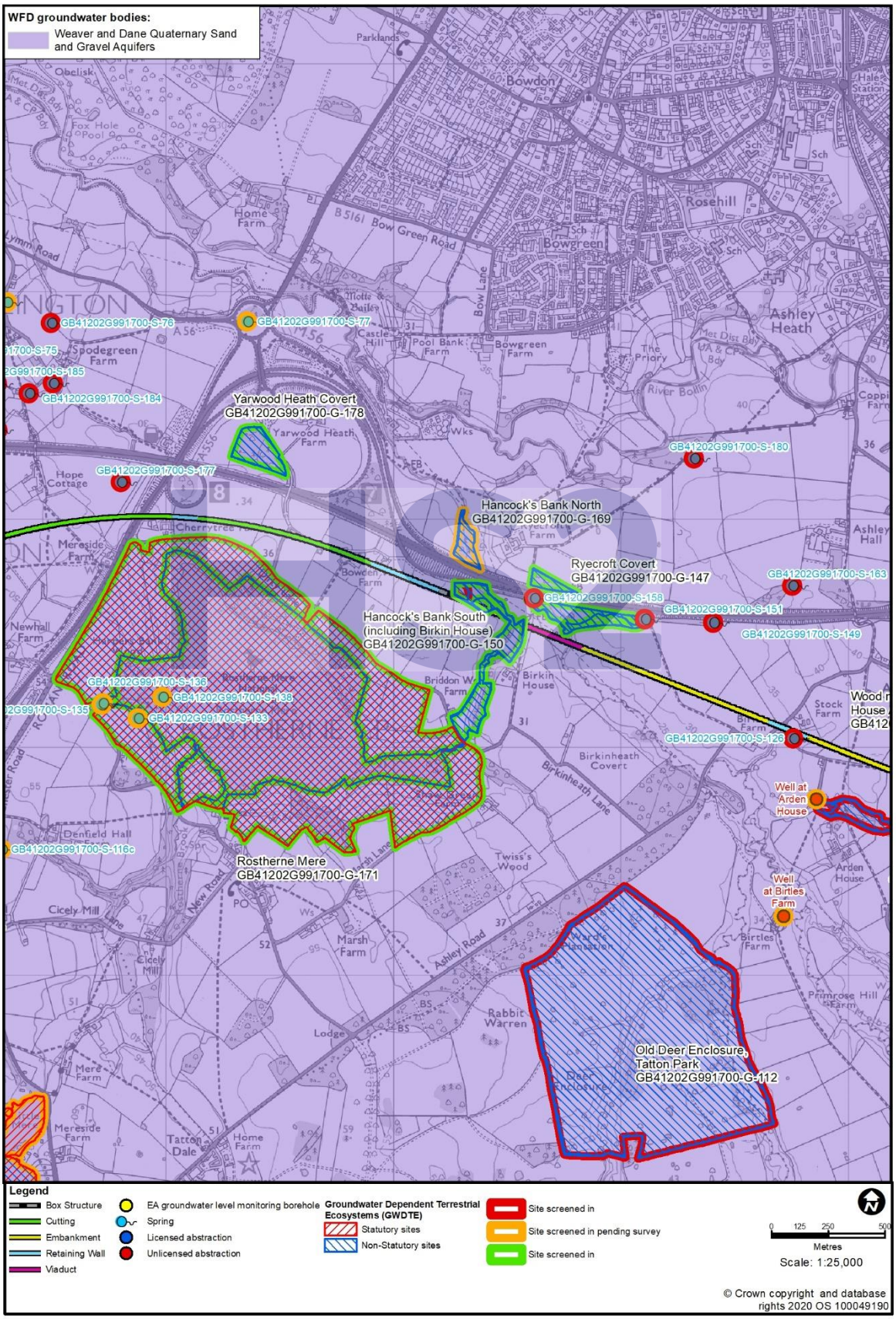
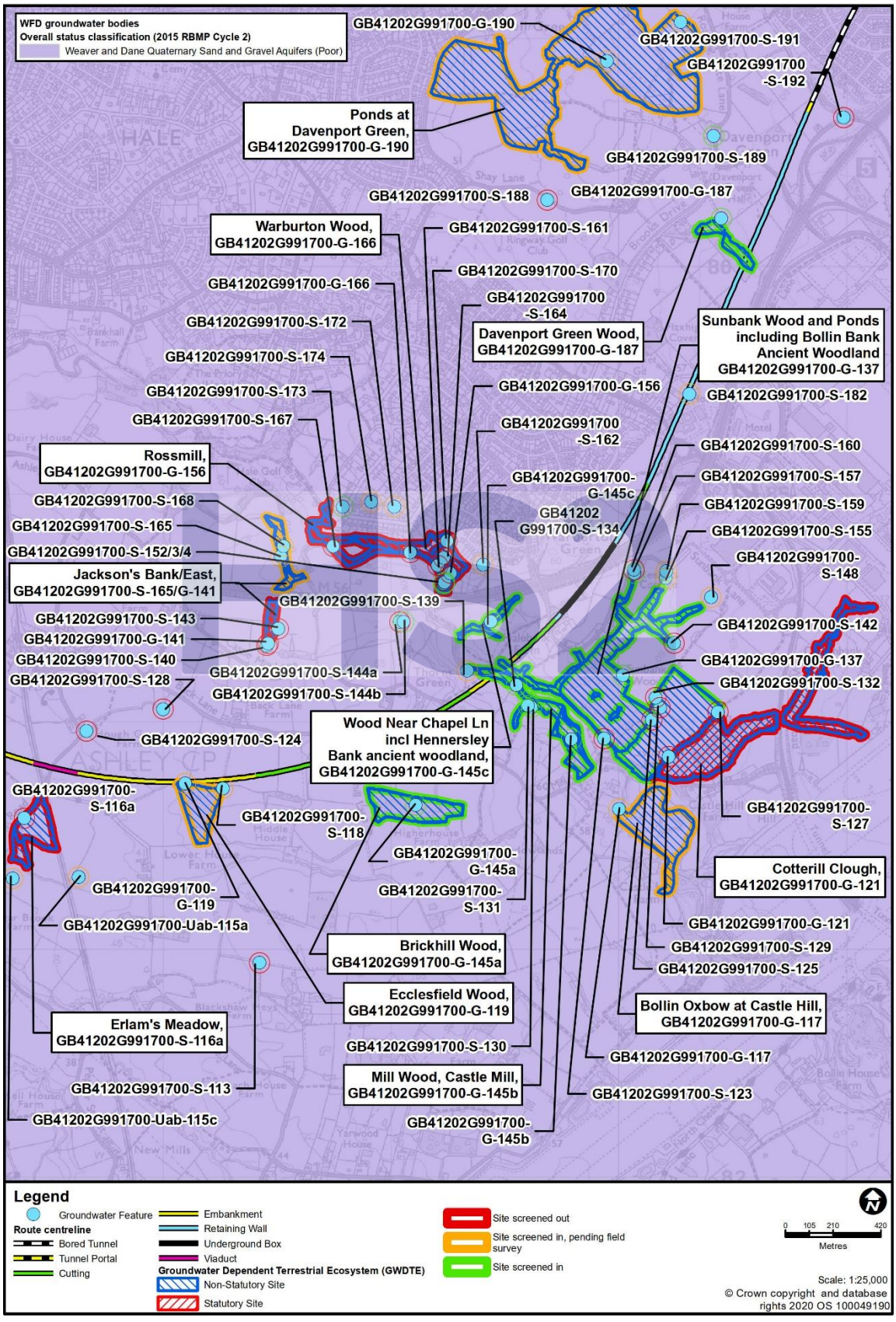


**Figure 26: Groundwater features considered in the assessment of the AP2 revised scheme (Part 8)**



## Figure 27: Groundwater features considered in the assessment of the AP2 revised scheme (Part 9)



## Figure 28: Groundwater features considered in the assessment of the AP2 revised scheme (Part 10)

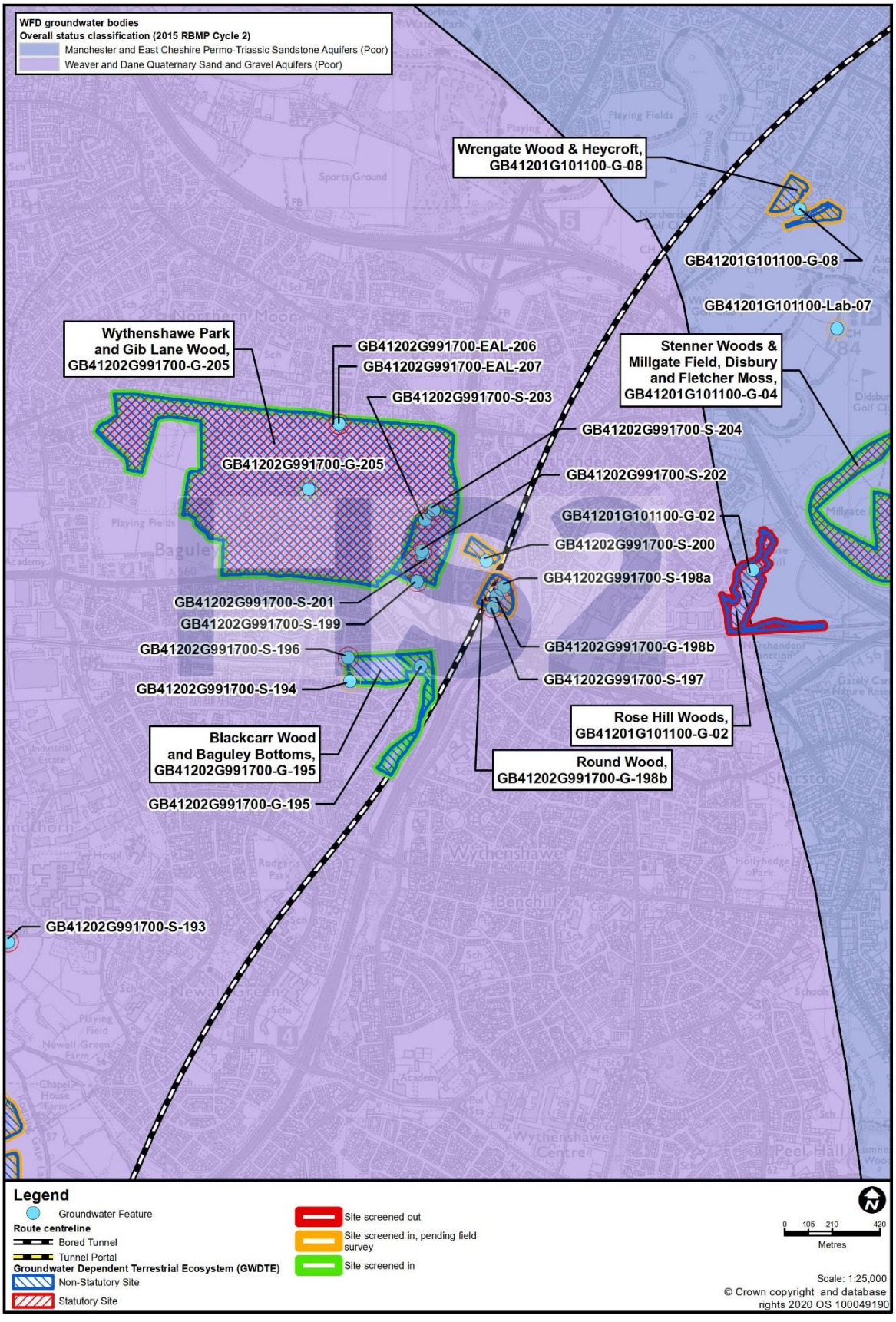


**Figure 29: Groundwater features considered in the assessment of the AP2 revised scheme (Part 11)**

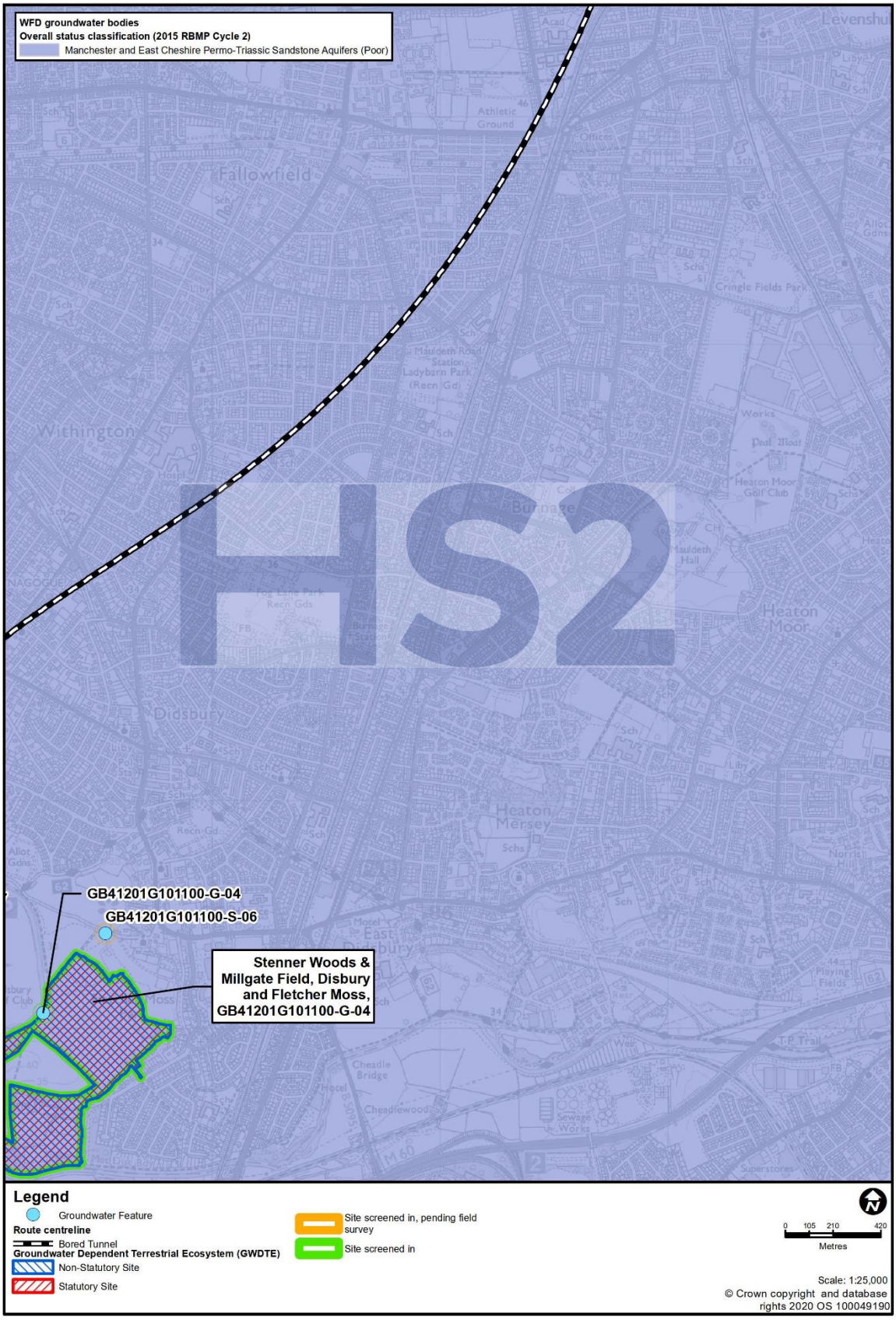
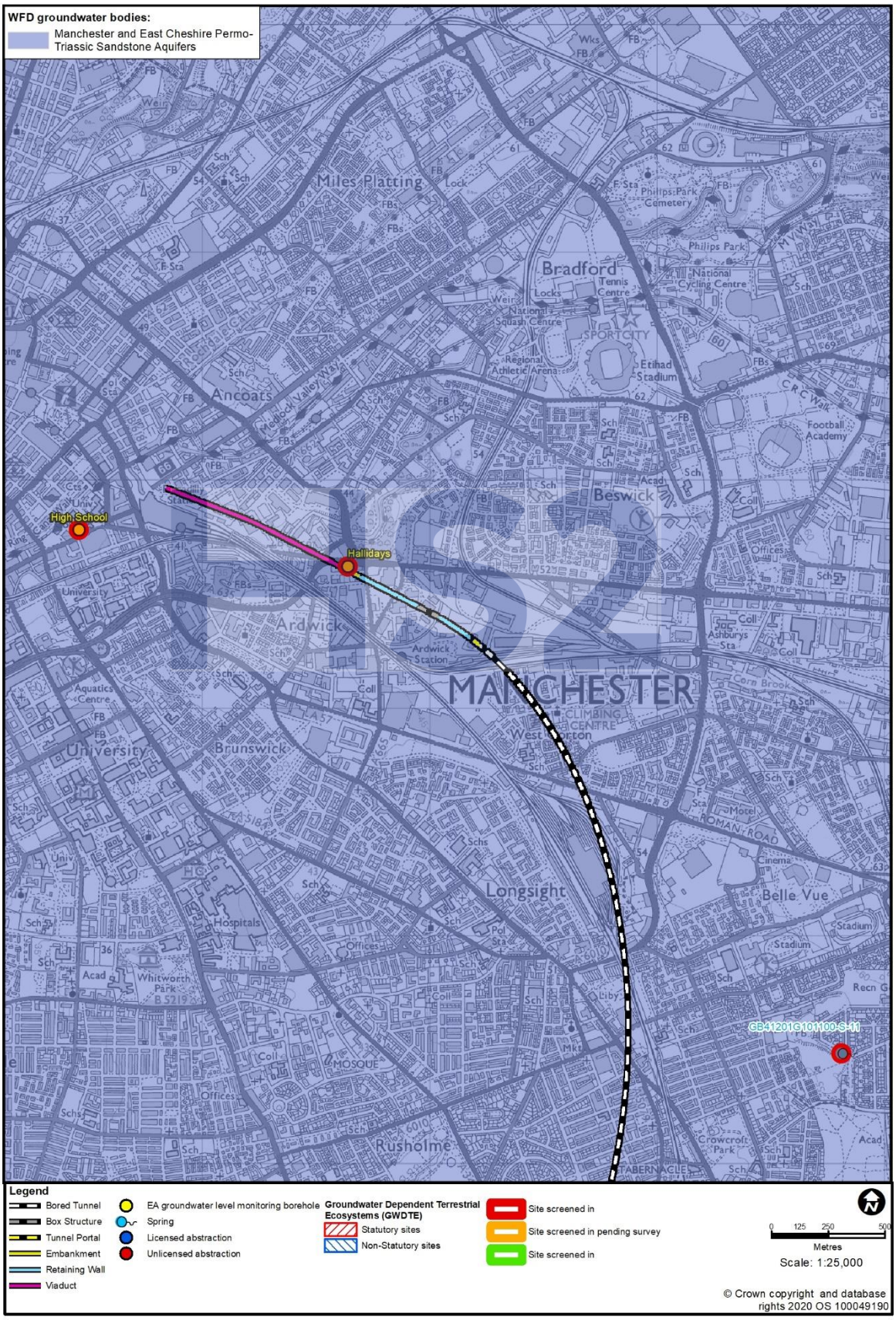


**Figure 30: Groundwater features considered in the assessment of the AP2 revised scheme (Part 12)**



# Weaver and Dane Quaternary Sand and Gravel Aquifers (GB41202G991700)

## Potential spring – S_02

4.2.10 The potential spring S_02 is located 70m east of Chorlton Bank Farm (at NGR SJ7256251353). A baseline desk study and field survey have been undertaken.

4.2.11 A summary of the baseline condition of the potential spring S_02, together with some example photographs, are provided in Table 89.

4.2.12 Based on the evidence from the baseline assessment, the potential spring S_02 has been screened in to support the WFD preliminary assessment.

**Table 89: Summary of baseline condition of potential spring S_02**

| Description of feature | Example photographs |
|---|---|
| Surveys show this is a buried stream, feeding into a boggy area which is acting similar to a groundwater collect (surface expression of buried stream). There is evidence here that habitat has been cleared although willows remain at this site suggesting permanent water availability. The stream is buried across two fields until the GWDTE of Basford Brook is reached where surface water is observed. The stream flows into the Basford Brook watercourse. The topography in the fields is sloped towards the buried stream and there was evidence of river transportation across the field due to heavy rainfall before survey. |  <br>  <br>Photographs taken from NGR SJ7256251353 |

## Potential spring – S_06

4.2.13 The potential spring S_06 is located at Savoy Road, Crewe (at NGR SJ7210153665). A baseline desk study has been undertaken.

4.2.14 Based on the evidence from the baseline assessment, the potential spring S_06 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_09

4.2.15 The potential spring S_09 is located 500m south-west of Moss Farm, north of Crewe (at NGR SJ6981658735). A baseline desk study and field survey have been undertaken. The DRN indicates this feature is a culvert.

4.2.16 A summary of the baseline condition of the potential spring S_09, together with some example photographs, are provided in Table 90.

4.2.17 Based on the evidence from the baseline assessment, the potential spring S_09 has not been screened in to support the WFD preliminary assessment.

**Table 90: Summary of baseline condition of potential spring S_09**

| Description of feature | Example photograph |
|---|---|
| DRN indicates this is feature is a culvert however a survey was also completed at this site. The site visit showed there is a potential culvert passing under the railway track which feeds into a ditch. Raised hummock seen at site of potential spring although an outfall was not observed. The ditch likely receives water from land drainage. The fields in the area were very waterlogged due to the underlying clayey geology and heavy rainfall prior to the survey. |  <br>Photograph taken from NGR SJ6981658735 |

## Potential spring – S_11

4.2.18 The potential spring S_11 is located at Moat House Farm, Minshull Vernon (at NGR SJ6872460599). A baseline desk study and field survey have been undertaken.

4.2.19 A summary of the baseline condition of the potential spring S_11, together with some example photographs, are provided in Table 91.

4.2.20 Based on the evidence from the baseline assessment, the potential spring S_11 has not been screened in to support the WFD preliminary assessment.

**Table 91: Summary of baseline condition of potential spring S_11**

| Description of feature | Example photograph |
|---|---|
| Culvert passing under agricultural track – not a groundwater feature. |  Photograph taken from NGR SJ6872460599 |

## Potential spring – S_12

4.2.21 The potential spring S_12 is located at The Woodlands, Minshull Vernon (at NGR SJ6848461061). A baseline desk study and field survey have been undertaken.

4.2.22 A summary of the baseline condition of the potential spring S_12, together with some example photographs, are provided in Table 92.

4.2.23 Based on the evidence from the baseline assessment, the potential spring S_12 has not been screened in to support the WFD preliminary assessment.

**Table 92: Summary of baseline condition of potential spring S_12**

| Description of feature | Example photograph |
|---|---|
| No groundwater features identified. |  Photograph taken from NGR SJ68480461061 |

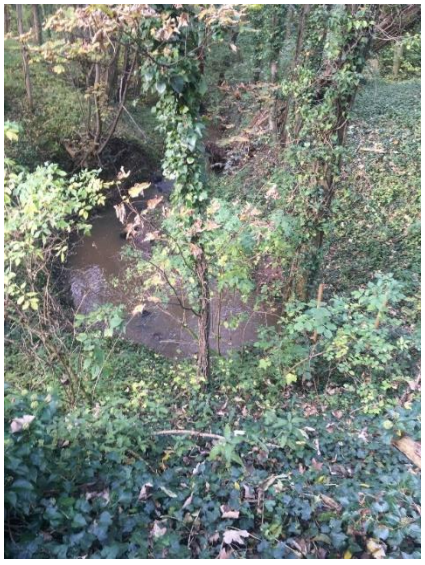
## Potential sink – S_13

4.2.24 The potential sink S_13 is located on Worsley Covert, at Woodside Farm (at NGR SJ6801961312). A baseline desk study and field survey have been undertaken.

4.2.25 A summary of the baseline condition of the potential spring S_13, together with some example photographs, are provided in Table 93.

4.2.26 Based on the evidence from the baseline assessment, the potential spring S_13 has not been screened in to support the WFD preliminary assessment.

**Table 93: Summary of baseline condition of potential spring S_13**

| Description of feature | Example photograph |
|---|---|
| Culvert under road (Brookhouse Lane) to allow Tributary of River Weaver 1 to pass through – not a groundwater feature. |  Photograph taken from NGR SJ6801961312 |

## Potential spring – S_14

4.2.27 The potential spring S_14 is located 260m west of Park Hall Farm, Minshull Vernon (at NGR SJ6873561830). A baseline desk study and field survey have been undertaken.

4.2.28 A summary of the baseline condition of the potential spring S_14, together with some example photographs, are provided in Table 94.

4.2.29 Based on the evidence from the baseline assessment, the potential spring S_14 has not been screened in to support the WFD preliminary assessment.

**Table 94: Summary of baseline condition of potential spring S_14**

| Description of feature | Example photograph |
|---|---|
| Piped discharge from beneath the railway – not a groundwater feature. |  Photograph taken from NGR SJ6873561830 |

## Potential sink – S_15a

4.2.30 The potential sink S_15a is located 230m west of Wimboldsley Hall (at NGR SJ6807562288). A baseline desk study and field survey have been undertaken.

4.2.31 A summary of the baseline condition of the potential sink S_15a, together with some example photographs, are provided in Table 95.

4.2.32 Based on the evidence from the baseline assessment, the potential sink S_15a has not been screened in to support the WFD preliminary assessment.

**Table 95: Summary of baseline condition of potential sink S_15a**

| Description of feature | Example photograph |
|---|---|
| Culvert under the railway – not a groundwater feature. |  Photograph taken from NGR SJ6807562288 |

## GWDTE – G_15b

4.2.33 The GWDTE G_15b is located at Moss Bridge Marsh (at NGR SJ6987458613). A baseline desk study and field survey have been undertaken.

4.2.34 A summary of the baseline condition of the GWDTE G_15b, together with some example photographs, are provided in Table 96.

4.2.35 Based on the evidence from the baseline assessment, the GWDTE G_15b has been screened in to support the WFD preliminary assessment.

**Table 96: Summary of baseline condition of GWDTE G_15b**

| Description of feature | Example photograph |
|---|---|
| Moss Bridge Marsh is a marshy grassland habitat with associated water dependent species. Small area of woodland identified as well as a pool, marshes and drainage channels. There may be a groundwater partially supporting the habitat from underlying glacial till. As such, the habitat is classified as a surface water and groundwater dependent habitat. |  Photograph taken from NGR SJ6987458613 |

## GWDTE – G_15c

4.2.36 The GWDTE G_15c is located at Spring Plantation Grassland (at NGR SJ6962558759). A baseline desk study and field survey have been undertaken.

4.2.37 A summary of the baseline condition of the GWDTE G_15c, together with some example photographs, are provided in Table 97.

4.2.38 Based on the evidence from the baseline assessment, the GWDTE G_15c has been screened in to support the WFD preliminary assessment.

**Table 97: Summary of baseline condition of GWDTE G_15c**

| Description of feature | Example photograph |
|---|---|
| Spring Plantation Grassland is a managed field with marshy grassland characteristics. Patches of reeds within field and crack willow in drainage ditch surrounding habitat were identified. Drainage ditch had stagnant water with signs of litter dumping. There may be a groundwater partially supporting the habitat from underlying glacial till. As such, the habitat is classified as a surface water and groundwater dependent habitat. |  <br>Photograph taken from NGR SJ6962558759 |

## Spring – S_16

4.2.39 The spring S_16 is located 100m south of Wimboldsley Hall (at NGR SJ6829462201). A baseline desk study and field survey have been undertaken.

4.2.40 A summary of the baseline condition of the spring S_16, together with some example photographs, are provided in Table 98.

4.2.41 Based on the evidence from the baseline assessment, the spring S_16 has been screened in to support the WFD preliminary assessment.

**Table 98: Summary of baseline condition of spring S_16**

| Description of feature | Example photograph |
|---|---|
| The feature was identified as a spring during surveys. The flow from the spring forms part of the Tributary of River Weaver 2. The spring is located in an open depression facing south-west within an established woodland. |  <br>Photograph taken from NGR SJ6829462201 |

## Potential sink – S_18

4.2.42 The potential sink S_18 is located at Dingle and Shropshire Union Canal, 235m south of Wimboldsley Grange (at NGR SJ6807463009). A baseline desk study and field survey have been undertaken.

4.2.43 A summary of the baseline condition of the potential sink S_18, together with some example photographs, are provided in Table 99.

4.2.44 Based on the evidence from the baseline assessment, the potential sink S_18 has not been screened in to support the WFD preliminary assessment.

**Table 99: Summary of baseline condition of potential sink S_18**

| Description of feature | Example photograph |
|---|---|
| Culvert – not a groundwater feature. |  Photograph taken from NGR SJ6807463009 |

## GWDTE – G_20

4.2.45 The GWDTE G_20 is located at Wimboldsley Wood (at NGR SJ6780264427). A baseline desk study and field survey have been undertaken.

4.2.46 A summary of the baseline condition of the GWDTE G_20, together with some example photographs, are provided in Table 100.

4.2.47 Based on the evidence from the baseline assessment, the GWDTE G_20 has not been screened in to support the WFD preliminary assessment.

**Table 100: Summary of baseline condition of GWDTE G_20**

| Description of feature | Example photographs |
|---|---|
| The habitat is not groundwater dependant. Location was covered by brambles and wet ground was attributed to rainfall on the day of the survey. |   Photographs taken from NGR SJ6780264427 |

## Potential spring – S_21

4.2.48 The potential spring S_21 is located at saliferous spring in Wimboldsley Wood (at NGR SJ6780264427). A baseline desk study and field survey have been undertaken.

4.2.49 A summary of the baseline condition of the potential spring S_21, together with some example photographs, are provided in Table 101.

4.2.50 Based on the evidence from the baseline assessment, the potential spring S_21 has been screened in to support the WFD preliminary assessment.

**Table 101: Summary of baseline condition of potential spring S_21**

| Description of feature | Example photograph |
|---|---|
| Surveys were unable to identify a saliferous spring in the habitat. Access issues restricted further investigation. The saliferous spring is expected to be in the south of the SSSI habitat, where access was not available. A culvert was identified which drains underneath the Trent and Mersey Canal into Wimboldsley Wood. This is not assumed to be the saliferous spring. |  Photograph taken from NGR SJ6780264427 |

## Potential spring – S_24

4.2.51 The potential spring S_24 is located 180m north of Norcroft Farm (at NGR SJ6919169191). A baseline desk study and field survey have been undertaken.

4.2.52 A summary of the baseline condition of the potential spring S_24, together with some example photographs, are provided in Table 102.

4.2.53 Based on the evidence from the baseline assessment, the potential spring S_24 has not been screened in to support the WFD preliminary assessment.

**Table 102: Summary of baseline condition of potential spring S_24**

| Description of feature | Example photographs |
|---|---|
| Surveys confirm this is a land drainage feature. On one side of the road, there is a ditch which is culverted under the road. The ditch then opens up into a deeper open depression, possibly due to dissolution and subsidence of halite in the underlying geology. The ditch is also likely receiving overland flow. |   Photographs taken from NGR SJ6919169191 |

## Potential spring – S_25

4.2.54 The potential spring S_25 is located 100m east of Yew-Tree Farm, Coalpit Lane (at NGR SJ6894965735). A baseline desk study and field survey have been undertaken.

4.2.55 A summary of the baseline condition of the potential spring S_25, together with some example photographs, are provided in Table 103.

4.2.56 Based on the evidence from the baseline assessment, the potential spring S_25 has not been screened in to support the WFD preliminary assessment.

**Table 103: Summary of baseline condition of potential spring S_25**

| Description of feature | Example photograph |
|---|---|
| Culvert passing Tributary of River Wheelock 5 under the Shropshire Union Canal, not a groundwater feature. Also, a second outfall adjacent to the culvert which is likely an overflow of the Shropshire Union Canal based on OS maps.<br>Scum on the water originates from the discharge from potential spring S_27, which is in proximity. |  <br>Photograph taken from NGR SJ6894965735 |

## Unlicensed abstraction – Uab_26

4.2.57 The unlicensed abstraction Uab_26 is located at Mellor Knowl Farm and Otters Retreat (at NGR SJ6911165531). A baseline desk study has been undertaken.

4.2.58 Based on the evidence from the baseline assessment, the unlicensed abstraction Uab_26 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_27

4.2.59 The potential spring S_27 is located 100m east of Yew-Tree Farm, Coalpit Lane (at NGR SJ6894465736). A baseline desk study and field survey have been undertaken.

4.2.60 A summary of the baseline condition of the potential spring S_27, together with some example photographs, are provided in Table 104.

4.2.61 Based on the evidence from the baseline assessment, the potential spring S_27 has not been screened in to support the WFD preliminary assessment.

**Table 104: Summary of baseline condition of potential spring S_27**

| Description of feature | Example photograph |
|---|---|
| Culvert passing under the Shropshire Union Canal, not a groundwater feature. Possibly a sewage outfall based on the scum on top of the water. The culvert discharges into Tributary of River Wheelock 5.<br>This site is in proximity to potential spring S_25. |  <br>Photograph taken from NGR SJ6894465736 |

## Spring – S_28

4.2.62 The spring S_28 is located south-west of Clive (at NGR SJ6768965833). A baseline desk study and field survey have been undertaken.

4.2.63 A summary of the baseline condition of the spring S_28, together with some example photographs, are provided in Table 105.

4.2.64 Based on the evidence from the baseline assessment, the spring S_28 has been screened in to support the WFD preliminary assessment.

**Table 105: Summary of baseline condition of spring S_28**

| Description of feature | Example photograph |
|---|---|
| Surveys located a large pond at the site of the spring. The pond is likely partially supported by groundwater, with contribution from land runoff. Water ditches into a manmade ditch running alongside agricultural land. |  <br>Photograph taken from NGR SJ6768965833 |

## Potential spring – S_29

4.2.65 The potential spring S_29 is located 40m west of Coalpit Lane (at NGR SJ6880765992). A baseline desk study has been undertaken.

4.2.66 Based on the evidence from the baseline assessment, the potential spring S_29 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_30

4.2.67 The potential spring S_30 is located 140m north of Yew-Tree Farm, Coalpit Lane (at NGR SJ6871066074). A baseline desk study has been undertaken.

4.2.68 Based on the evidence from the baseline assessment, the potential spring S_30 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_31a

4.2.69 The potential spring S_31a is located at Mill Farm, Coalpit Lane (at NGR SJ6916666426). A baseline desk study has been undertaken. A field survey was attempted; however, the potential spring could not be assessed due to large piles of farm debris and unstable ground.

4.2.70 Based on the evidence from the baseline assessment, the potential spring S_31a has been screened in to support the WFD preliminary assessment.

## GWDTE – G_31b

4.2.71 The GWDTE G_31b is located at Stanthorne Hall Farm (at NGR SJ6828366636). A baseline desk study has been undertaken.

4.2.72 Based on the evidence from the baseline assessment, the GWDTE G_31b has been screened in to support the WFD preliminary assessment.

## Potential sink – S_32

4.2.73 The potential sink S_32 is located at Bostock House, A54 (at NGR SJ6905566619). A baseline desk study has been undertaken.

4.2.74 Based on the evidence from the baseline assessment, the potential sink S_32 has been screened in to support the WFD preliminary assessment.

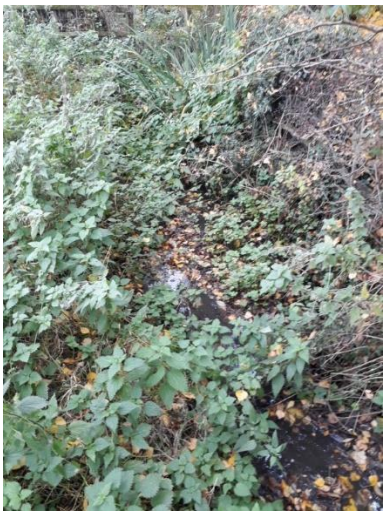
## Spring – S_33a

4.2.75 The spring S_33a is located 215m west of Bostock House, A54 (at NGR SJ6890266690). A baseline desk study and field survey have been undertaken.

4.2.76 A summary of the baseline condition of the spring S_33a, together with some example photographs, are provided in Table 106.

4.2.77 Based on the evidence from the baseline assessment, the spring S_33a has been screened in to support the WFD preliminary assessment.

**Table 106: Summary of baseline condition of spring S_33a**

| Description of feature | Example photograph |
|---|---|
| Surveys identified a spring flowing south-east. It is possible the spring is in hydraulic connection with the River Wheelock approximately 500m south-east of the spring. The water feature is located within a small, narrow ditch and likely receives input from drainage of surrounding fields. As such, the habitat at the spring is deemed partially groundwater dependent. |  Photograph taken from NGR SJ6890266690 |

## Unlicensed abstraction – Uab_33b

4.2.78 The unlicensed abstraction Uab_33b is located at Bank Farm, Stanthorne, Middlewich (at NGR SJ6820167304). A baseline desk study has been undertaken.

4.2.79 Based on the evidence from the baseline assessment, the unlicensed abstraction Uab_33b has been screened in to support the WFD preliminary assessment.

## GWDTE – G_34a

4.2.80 The GWDTE G_34a is located at Greenhays Farm Pasture (at NGR SJ3777067121). A baseline desk study has been undertaken.

4.2.81 Based on the evidence from the baseline assessment, the GWDTE G_34a has been screened in to support the WFD preliminary assessment.

## GWDTE – G_34b

4.2.82 The GWDTE G_34b is located at River Dane, Bostock (at NGR SJ6836568138). A baseline desk study has been undertaken.

4.2.83 Based on the evidence from the baseline assessment, the GWDTE G_34b has been screened in to support the WFD preliminary assessment.

## GWDTE – G_34c

4.2.84 The GWDTE G_34c is located at Oak Clump (at NGR SJ6899167121). A baseline desk study has been undertaken.

4.2.85 Based on the evidence from the baseline assessment, the GWDTE G_34c has been screened in to support the WFD preliminary assessment.

## GWDTE – G_35

4.2.86 The GWDTE G_35 is located at Bull's Wood and Meadow (at NGR SJ6830868068). A baseline desk study has been undertaken.

4.2.87 Based on the evidence from the baseline assessment, the GWDTE G_35 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_36

4.2.88 The GWDTE G_36 is located at Whatcroft Lane Pond SBI (at NGR SJ6865570455). A baseline desk study and field survey have been undertaken.

4.2.89 A summary of the baseline condition of the GWDTE G_36, together with some example photographs, are provided in Table 107.

4.2.90 Based on the evidence from the baseline assessment, the GWDTE G_36 has been screened in to support the WFD preliminary assessment.

**Table 107: Summary of baseline condition of GWDTE G_36**

| Description of feature | Example photograph |
|---|---|
| Water dependent habitats identified by surveys but were unable to determine if the habitat is fed by leakage from canal or groundwater. |  Photograph taken from NGR SJ6865570455 |

## GWDTE – G_37

4.2.91 The GWDTE G_37 is at Long Wood (at NGR SJ7015775044). A baseline desk study has been undertaken.

4.2.92 Based on the evidence from the baseline assessment, the GWDTE G_37 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_38

4.2.93 The potential spring S_38 is located at Winnington Belt, 100m east of Nursery on Ascol Drive (at NGR SJ7026775338). A baseline desk study and field survey have been undertaken.

4.2.94 A summary of the baseline condition of the potential spring S_38, together with some example photographs, are provided in Table 108.

4.2.95 Based on the evidence from the baseline assessment, the potential spring S_38 has not been screened in to support the WFD preliminary assessment.

**Table 108: Summary of baseline condition of potential spring S_38**

| Description of feature | Example photograph |
|---|---|
| Drainage outfall and no groundwater dependent habitat in the vicinity – not a groundwater feature. |  Photograph taken from NGR SJ7026775338 |

## Potential spring – S_40a

4.2.96 The potential spring S_40a is located at Winnington Wood, north-east of Lostock Gralam (at NGR SJ6971875528). A baseline desk study and field survey have been undertaken.

4.2.97 A summary of the baseline condition of the potential spring S_40a, together with some example photographs, are provided in Table 109.

4.2.98 Based on the evidence from the baseline assessment, the potential spring S_40a has not been screened in to support the WFD preliminary assessment.

**Table 109: Summary of baseline condition of potential spring S_40a**

| Description of feature | Example photograph |
|---|---|
| Drainage outfall and no groundwater dependent habitat in the vicinity – not a groundwater feature. |  Photograph taken from NGR SJ6971875528 |

## GWDTE – G_40e

4.2.99 The GWDTE G_40e is at Wade Brook (at NGR SJ6851474354). A baseline desk study has been undertaken.

4.2.100 Based on the evidence from the baseline assessment, the GWDTE G_40e has been screened in to support the WFD preliminary assessment.

## GWDTE – G_42

4.2.101 The GWDTE G_42 located at Wincham Brook Valley and Mill Wood (at NGR SJ6964275583). A baseline desk study and field survey have been undertaken.

4.2.102 A summary of the baseline condition of the GWDTE G_42, together with some example photographs, are provided in Table 110.

4.2.103 Based on the evidence from the baseline assessment, the GWDTE G_42 has been screened in to support the WFD preliminary assessment.

**Table 110: Summary of baseline condition of GWDTE G_42**

| Description of feature | Example photograph |
|---|---|
| Surveys were restricted by access – further surveys required to fully assess this habitat. The area visited was not groundwater dependent and land drainage into Wincham Brook was identified. |  Photograph taken from NGR SJ6964275583 |

## Spring – S_45

4.2.104 The spring S_45 located 215m south-east of Home Farm, Higher Wincham (at NGR SJ6972475960). A baseline desk study and field survey have been undertaken.

4.2.105 A summary of the baseline condition of the spring S_45, together with some example photographs, are provided in Table 111.

4.2.106 Based on the evidence from the baseline assessment, the spring S_45 has been screened in to support the WFD preliminary assessment.

**Table 111: Summary of baseline condition of spring S_45**

| Description of feature | Example photograph |
|---|---|
| Unclear if drainage ditch or spring, thick mud and hydrogen sulphide smell. Channel likely receives drainage water from surface runoff from surrounding fields. Due to significant overland flow entering the area, it is unlikely to be impacted by the AP2 revised scheme. |  Photograph taken from NGR SJ6972475960 |

## Potential spring – S_46

4.2.107 The potential spring S_46 located 220m west of Leonards Wood (at NGR SJ6974376547). A baseline desk study and field survey have been undertaken.

4.2.108 A summary of the baseline condition of the potential spring S_46, together with some example photographs, are provided in Table 112.

4.2.109 Based on the evidence from the baseline assessment, the potential spring S_46 has not been screened in to support the WFD preliminary assessment.

**Table 112: Summary of baseline condition of potential spring S_46**

| Description of feature | Example photograph |
|---|---|
| Culvert – not a groundwater feature. |  Photograph taken from NGR SJ6974376547 |

## Potential spring – S_48

4.2.110 The potential spring S_48 located at Cley House Farm, Flittogate Lane (at NGR SJ7143977475). A baseline desk study and field survey have been undertaken.

4.2.111 A summary of the baseline condition of the potential spring S_48, together with some example photographs, are provided in Table 113.

4.2.112 Based on the evidence from the baseline assessment, the potential spring S_48 has been screened in to support the WFD preliminary assessment.

**Table 113: Summary of baseline condition of potential spring S_48**

| Description of feature | Example photograph |
|---|---|
| Due to access restrictions, it was unclear if this site is a culvert or a spring. If it is a spring it could be impacted by the AP2 revised scheme as this stream flows directly into the Waterless Brook. | No photographs available from site visit. |

## GWDTE – G_49a

4.2.113 The GWDTE G_49a is located at Smoker Wood (at NGR SJ7063376092). A baseline desk study has been undertaken.

4.2.114 Based on the evidence from the baseline assessment, the GWDTE G_49a has been screened in to support the WFD preliminary assessment.

## GWDTE – G_49b

4.2.115 The GWDTE G_49b is located at Rinks Wood and Round Wood (at NGR SJ7117277943). A baseline desk study has been undertaken.

4.2.116 Based on the evidence from the baseline assessment, the GWDTE G_49b has been screened in to support the WFD preliminary assessment.

## GWDTE – G_51

4.2.117 The GWDTE G_51 located at Arley and Waterless Brook Corridor (at NGR SJ7070678665). A baseline desk study and field survey have been undertaken.

4.2.118 A summary of the baseline condition of the GWDTE G_51, together with some example photographs, are provided in Table 114.

4.2.119 Based on the evidence from the baseline assessment, the GWDTE G_51 has not been screened in to support the WFD preliminary assessment.

**Table 114: Summary of baseline condition of GWDTE G_51**

| Description of feature | Example photograph |
|---|---|
| No areas of saturated ground, with no clear evidence of groundwater dependency. Habitat determined to not be groundwater dependent. |  Photograph taken from NGR SJ7070678665 |

## Unlicensed abstraction – Uab_52b

4.2.120 The unlicensed abstraction Uab_52b is at Heyrose Farm, Over Tabley, Knutsford (at NGR SJ7080579603). A baseline desk study and communication with the landowner have been undertaken.

4.2.121 Communication with the landowner has confirmed that the well is capped and no longer in use, and therefore should no longer be considered a receptor.

4.2.122 Based on the evidence from the baseline assessment, the unlicensed abstraction Uab_52b has not been screened in to support the WFD preliminary assessment.

## Potential sink – S_53

4.2.123 The potential sink S_53 located 510m west of Tableypipe Wood (at NGR SJ7127680467). A baseline desk study and field survey have been undertaken.

4.2.124 A summary of the baseline condition of the potential sink S_53, together with some example photographs, are provided in Table 115.

4.2.125 Based on the evidence from the baseline assessment, the potential sink S_53 has not been screened in to support the WFD preliminary assessment.

**Table 115: Summary of baseline condition of potential sink S_53**

| Description of feature | Example photograph |
|---|---|
| Culvert – not a groundwater feature. |  Photograph taken from NGR SJ7127680467 |

## Potential spring – S_54

4.2.126 The potential spring S_54 located 290m west of Tabley Wood, Cheshire East (at NGR SJ7150980489). A baseline desk study and field survey have been undertaken.

4.2.127 A summary of the baseline condition of the potential spring S_54, together with some example photographs, are provided in Table 116.

4.2.128 Based on the evidence from the baseline assessment, the potential spring S_54 has not been screened in to support the WFD preliminary assessment.

**Table 116: Summary of baseline condition of potential spring S_54**

| Description of feature | Example photograph |
|---|---|
| Survey confirmed a culverted land drainage outfall system for agricultural land – not a groundwater feature. |  Photograph taken from NGR SJ7150980489 |

## GWDTE – G_55

4.2.129 The GWDTE G_55 is located at Tableypipe Wood (at NGR SJ7179680491). A baseline desk study has been undertaken.

4.2.130 Based on the evidence from the baseline assessment, the GWDTE G_55 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_56

4.2.131 The potential spring S_56 located near the M6, 160m north of Hollowood Farm, Cheshire East (at NGR SJ7100880534). A baseline desk study and field survey have been undertaken.

4.2.132 A summary of the baseline condition of the potential spring S_56, together with some example photographs, are provided in Table 117.

4.2.133 Based on the evidence from the baseline assessment, the potential spring S_56 has not been screened in to support the WFD preliminary assessment.

**Table 117: Summary of baseline condition of potential spring S_56**

| Description of feature | Example photograph |
|---|---|
| Culvert flowing into a ditch, possibly supported by land drainage – not a groundwater feature. |  Photograph taken from NGR SJ7100880534 |

## Potential spring – S_57

4.2.134 The potential spring S_57 is located north of Tableypipe Wood, Cheshire East (at NGR SJ7199680724). A baseline desk study has been undertaken.

4.2.135 Based on the evidence from the baseline assessment, the potential spring S_57 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_58

4.2.136 The potential spring S_58 located 175 north-west of Kennel Wood, Cheshire East (at NGR SJ7186281522). A baseline desk study and field survey have been undertaken.

4.2.137 A summary of the baseline condition of the potential spring S_58, together with some example photographs, are provided in Table 118.

4.2.138 Based on the evidence from the baseline assessment, the potential spring S_58 has not been screened in to support the WFD preliminary assessment.

**Table 118: Summary of baseline condition of potential spring S_58**

| Description of feature | Example photograph |
|---|---|
| The watercourse has been recently dredged, obliterating any natural features. There is a damaged brick outfall at the spring location. Local drainage has been modified by construction of A556 drainage including new channels, culverts and a balancing pond.<br>No indication of a natural spring at the site. |  <br>Photograph taken from NGR SJ7186281522 |

## Potential spring – S_59

4.2.139 The potential spring S_59 located 170 north-west of Kennel Wood, Cheshire East (at NGR SJ7185881525). A baseline desk study and field survey have been undertaken.

4.2.140 A summary of the baseline condition of the potential spring S_59, together with some example photographs, are provided in Table 119.

4.2.141 Based on the evidence from the baseline assessment, the potential spring S_59 has not been screened in to support the WFD preliminary assessment.

**Table 119: Summary of baseline condition of potential spring S_59**

| Description of feature | Example photograph |
|---|---|
| Watercourse recently dredged obliterating any natural features. Damaged brick outfall at spring location. Local drainage modified by construction of A556 drainage including new channels, culverts and a balancing pond. |  <br>Photograph taken from NGR SJ7185881525 |

## GWDTE – G_60

4.2.142 The GWDTE G_60 located at Belt Wood (at NGR SJ7141081531). A baseline desk study and field survey have been undertaken.

4.2.143 A summary of the baseline condition of the GWDTE G_60, together with some example photographs, are provided in Table 120.

4.2.144 Based on the evidence from the baseline assessment, the GWDTE G_60 has not been screened in to support the WFD preliminary assessment.

**Table 120: Summary of baseline condition of GWDTE G_60**

| Description of feature | Example photograph |
|---|---|
| The habitat is not groundwater dependent. Water dependent plants were only located alongside the bank of Tributary of Tabley Brook 9 which is fed from a spring (spring at Belt Wood north). Several ponds and ditches located within the habitat which appear manmade. The habitat has been modified for pheasant shooting. |  Photograph taken from NGR SJ7141081531 |

## GWDTE – G_61

4.2.145 The GWDTE G_61 is located at The Mere, Mere (at NGR SJ7315981832). A baseline desk study and field survey have been undertaken.

4.2.146 A summary of the baseline condition of the GWDTE G_61, together with some example photographs, are provided in Table 121.

4.2.147 Based on the evidence from the baseline assessment, the GWDTE G_61 has not been screened in to support the WFD preliminary assessment.

**Table 121: Summary of baseline condition of GWDTE G_61**

| Description of feature | Example photograph |
|---|---|
| The habitat is not groundwater dependant. Reeds were present at this location. |  Photograph taken from NGR SJ7315981832 |

## Potential spring – S_62

4.2.148 The potential spring S_62 located 310m east of Daisybank Farm, Winterbottom Lane (at NGR SJ7152981859). A baseline desk study and field survey have been undertaken.

4.2.149 A summary of the baseline condition of the potential spring S_62, together with some example photographs, are provided in Table 122.

4.2.150 Based on the evidence from the baseline assessment, the potential spring S_62 has not been screened in to support the WFD preliminary assessment.

**Table 122: Summary of baseline condition of potential spring S_62**

| Description of feature | Example photograph |
|---|---|
| A large pipe, passing under a 250m stretch of agricultural land, was located at the site of the feature. This is part of a series of ditches located around the edge of the agricultural land. Not supporting any significant habitat. This is a land drainage outfall, not a groundwater feature. |  Photograph taken from NGR SJ7152981859 |

## Potential spring – S_63

4.2.151 The potential spring S_63 located at Belt Wood east (at NGR SJ7185281892). A baseline desk study and field survey have been undertaken.

4.2.152 A summary of the baseline condition of the potential spring S_63, together with some example photographs, are provided in Table 123.

4.2.153 Based on the evidence from the baseline assessment, the potential spring S_63 has been screened in to support the WFD preliminary assessment.

**Table 123: Summary of baseline condition of potential spring S_63**

| Description of feature | Example photograph |
|---|---|
| Surveys show that a channel has been dug, creating near vertical walls and a uniform straight channel. Unable to determine if this is a modified spring or drainage outfall. Channel was dry at time of visit. Assumed to be a groundwater feature on a precautionary basis. |  Photograph taken from NGR SJ7185281892 |

## Potential sink – S_64

4.2.154 The potential sink S_64 located east of Daisybank Farm, Winterbottom Lane (at NGR SJ7128281923). A baseline desk study and field survey have been undertaken.

4.2.155 A summary of the baseline condition of the potential sink S_64, together with some example photographs, are provided in Table 124.

4.2.156 Based on the evidence from the baseline assessment, the potential sink S_64 has not been screened in to support the WFD preliminary assessment.

**Table 124: Summary of baseline condition of potential sink S_64**

| Description of feature | Example photograph |
|---|---|
| This is a culvert passing under Winterbottom Lane, not a groundwater feature. |  Photograph taken from NGR SJ7128281923 |

## Potential spring – S_65

4.2.157 The potential spring S_65 located 360m west of Goodiersgreen Farm, Hoogreen Lane (at NGR SJ7160182117). A baseline desk study and field survey have been undertaken.

4.2.158 A summary of the baseline condition of the potential spring S_65, together with some example photographs, are provided in Table 125.

4.2.159 Based on the evidence from the baseline assessment, the potential spring S_65 has not been screened in to support the WFD preliminary assessment.

**Table 125: Summary of baseline condition of potential spring S_65**

| Description of feature | Example photograph |
|---|---|
| Dry ditch was located during both field surveys. This is a land drainage feature. No evidence of groundwater dependency or wetland habitat. |  Photograph taken from NGR SJ7160182117 |

## Spring – S_66

4.2.160 The spring S_66 is located at Belt Wood north (at NGR SJ7189482216). A baseline desk study and field survey have been undertaken.

4.2.161 A summary of the baseline condition of the spring S_66, together with some example photographs, are provided in Table 126.

4.2.162 Based on the evidence from the baseline assessment, the spring S_66 has been screened in to support the WFD preliminary assessment.

**Table 126: Summary of baseline condition of spring S_66**

| Description of feature | Example photograph |
|---|---|
| Spring feeding into channel that is composed of sandy soil with river flooding deposition features in comparison with surrounding ditches which are manmade and are muddy with a sulphur odour when disturbed. The water in the stream is fast flowing despite shallow gradient and is clear. At the source, the stream is deeper and forming a localised pool. No pipe was observed at the site during either field survey. |  Photograph taken from NGR SJ7189482216 |

## Potential sink – S_67

4.2.163 The potential sink S_67 located 175m south of Hoo Green (at NGR SJ7174082386). A baseline desk study and field survey have been undertaken.

4.2.164 A summary of the baseline condition of the potential sink S_67, together with some example photographs, are provided in Table 127.

4.2.165 Based on the evidence from the baseline assessment, the potential sink S_67 has not been screened in to support the WFD preliminary assessment.

**Table 127: Summary of baseline condition of potential sink S_67**

| Description of feature | Example photographs |
|---|---|
| Culvert – not a groundwater feature. | No photographs available from site visit. |

## Potential spring – S_68

4.2.166 The potential spring S_68 located at Hoo Green Lane, 200m south-west of Hoo Green (at NGR SJ7155882477). A baseline desk study and field survey have been undertaken.

4.2.167 A summary of the baseline condition of the potential spring S_68, together with some example photographs, are provided in Table 128.

4.2.168 Based on the evidence from the baseline assessment, the potential spring S_68 has not been screened in to support the WFD preliminary assessment.

**Table 128: Summary of baseline condition of potential spring S_68**

| Description of feature | Example photograph |
|---|---|
| Land drainage outfall – not a groundwater feature. |  Photograph taken from NGR SJ7155882477 |

## Potential spring – S_69

4.2.169 The potential spring S_69 located 250m south-west of Yew-Tree Farm, A50 (at NGR SJ7102482908). A baseline desk study and field survey have been undertaken.

4.2.170 A summary of the baseline condition of the potential spring S_69, together with some example photographs, are provided in Table 129.

4.2.171 Based on the evidence from the baseline assessment, the potential spring S_69 has not been screened in to support the WFD preliminary assessment.

**Table 129: Summary of baseline condition of potential spring S_69**

| Description of feature | Example photograph |
|---|---|
| This is part of a series of ditches located around the edge of the agricultural land. Not supporting any significant habitat. This is a land drainage feature, not a groundwater feature. |  Photograph taken from NGR SJ7102482908 |

## Potential spring – S_70

4.2.172 The potential spring S_70 located at Dobb Lane, Yew-Tree Farm, A50 (at NGR SJ7121982941). A baseline desk study and field survey have been undertaken.

4.2.173 A summary of the baseline condition of the potential spring S_70, together with some example photographs, are provided in Table 130.

4.2.174 Based on the evidence from the baseline assessment, the potential spring S_70 has been screened in to support the WFD preliminary assessment.

**Table 130: Summary of baseline condition of potential spring S_70**

| Description of feature | Example photograph |
|---|---|
| A land drainage outfall was identified at the site. The pipe discharges into a drainage ditch and a flow from the pipe was observed on-site work. Some reeds were found immediately upstream of culvert. This site has been classed as groundwater dependent; it is a moderate value receptor. |  Photograph taken from NGR SJ7121982941 |

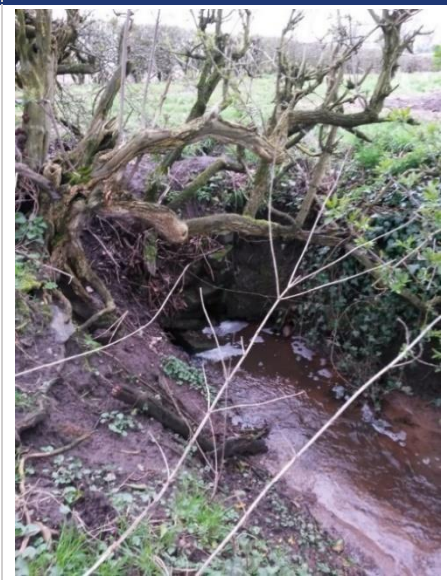
## Potential spring – S_71

4.2.175 The potential spring S_71 located at Park Farm, Ditchfield Lane (at NGR SJ7076983151). A baseline desk study and field survey have been undertaken.

4.2.176 A summary of the baseline condition of the potential spring S_71, together with some example photographs, are provided in Table 131.

4.2.177 Based on the evidence from the baseline assessment, the potential spring S_71 has not been screened in to support the WFD preliminary assessment.

**Table 131: Summary of baseline condition of potential spring S_71**

| Description of feature | Example photograph |
|---|---|
| Culvert – not a groundwater feature. |  Photograph taken from NGR SJ7076983151 |

## Potential spring – S_72a

4.2.178 The potential spring S_72a located at Wrenshot House, Wrenshot Lane (at NGR SJ7145083461). A baseline desk study and field survey have been undertaken.

4.2.179 A summary of the baseline condition of the potential spring S_72a, together with some example photographs, are provided in Table 132.

4.2.180 Based on the evidence from the baseline assessment, the potential spring S_72a has been screened in to support the WFD preliminary assessment.

**Table 132: Summary of baseline condition of potential spring S_72a**

| Description of feature | Example photograph |
|---|---|
| No obvious wetland habitat identified. The nature of the feature is uncertain due to access constraints and overgrown vegetation. The watercourse appears to start at roadside but not obvious if natural spring or culvert outfall as overgrown by hedge. |  Photograph taken from NGR SJ7145083461 |

## GWDTE – G_72b

4.2.181 The GWDTE G_72b is located at Park Covert (at NGR SJ7112883547). A baseline desk study has been undertaken.

4.2.182 Based on the evidence from the baseline assessment, the GWDTE G_72b has been screened in to support the WFD preliminary assessment.

## Potential spring – S_73

4.2.183 The potential spring S_73 located at 360m north of Wrenshot House, Wrenshot Lane (at NGR SJ7158983894). A baseline desk study and field survey have been undertaken.

4.2.184 A summary of the baseline condition of the potential spring S_73, together with some example photographs, are provided in Table 133.

4.2.185 Based on the evidence from the baseline assessment, the potential spring S_73 has been screened in to support the WFD preliminary assessment.

**Table 133: Summary of baseline condition of potential spring S_73**

| Description of feature | Example photograph |
|---|---|
| The source of watercourse is piped land drainage outfall supporting useful habitat.<br>Several nearby ponds but it is deemed unlikely that these are supported by groundwater. |  <br>Photograph taken from NGR SJ7158983894 |

## Potential spring – S_74

4.2.186 The potential spring S_74 located 200m south of Middlemoss Farm, Agden Lane (at NGR SJ7167484667). A baseline desk study and field survey have been undertaken.

4.2.187 A summary of the baseline condition of the potential spring S_74, together with some example photographs, are provided in Table 134.

4.2.188 Based on the evidence from the baseline assessment, the potential spring S_74 has not been screened in to support the WFD preliminary assessment.

**Table 134: Summary of baseline condition of potential spring S_74**

| Description of feature | Example photographs |
|---|---|
| Surveys located a shallow, dry ditch with no wetland ecology. Land drainage outfall located across field at NGR SJ7187284566. This is a land drainage feature – not a groundwater feature. |  |

| Description of feature | Example photographs |
|---|---|
| |  Photographs taken from NGR SJ7167484667 |

## Potential spring – S_77

4.2.189 The potential spring S_77 is located at Bowdon roundabout (at NGR SJ7435885868). A baseline desk study has been undertaken.

4.2.190 Based on the evidence from the baseline assessment, the potential spring S_77 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_78

4.2.191 The potential spring S_78 is located 25m north-east of The Meadows, Spodegreen Lane (at NGR SJ7330285954). A baseline desk study has been undertaken.

4.2.192 Based on the evidence from the baseline assessment, the potential spring S_78 has been screened in to support the WFD preliminary assessment.

## Unlicensed abstraction – Uab_115a

4.2.193 The unlicensed abstraction Uab_115a is located west of Lower House Farm (at NGR SJ7762983318). A baseline desk study has been undertaken.

4.2.194 Based on the evidence from the baseline assessment, the unlicensed abstraction Uab_115a has not been screened in to support the WFD preliminary assessment.

## Unlicensed abstraction – Uab_115c

4.2.195 The unlicensed abstraction Uab_115c is located at Mobberley Road (at NGR SJ7733983313). A baseline desk study has been undertaken.

4.2.196 Based on the evidence from the baseline assessment, the unlicensed abstraction Uab_115c has been screened in to support the WFD preliminary assessment.

## Unlicensed abstraction – Uab_115d

4.2.197 The unlicensed abstraction Uab_115d is located at Arden House (at NGR SJ7686083773). A baseline desk study has been undertaken.

4.2.198 Based on the evidence from the baseline assessment, the unlicensed abstraction Uab_115d has been screened in to support the WFD preliminary assessment.

## Potential spring – S_116b

4.2.199 The potential spring S_116b is located at Bucklow Hill (at NGR SJ7318383162). A baseline desk study and field survey have been undertaken.

4.2.200 A summary of the baseline condition of the potential spring S_116b, together with some example photographs, are provided in Table 135.

4.2.201 Based on the evidence from the baseline assessment, the potential spring S_116b has been screened in to support the WFD preliminary assessment.

**Table 135: Summary of baseline condition of potential spring S_116b**

| Description of feature | Example photograph |
|---|---|
| Surveys were unable to identify a groundwater feature at the site. No habitat other than a maintained hedgerow on edge of field. The potential spring possibly feeds into Rostherne Mere so has been assumed to be a spring on a precautionary basis. |  Photograph taken from NGR SJ7318383162 |

## Potential spring – S_116c

4.2.202 The potential spring S_116c is located at east of Chester Road (at NGR SJ7327883552). A baseline desk study has been undertaken.

4.2.203 Based on the evidence from the baseline assessment, the potential spring S_116c has been screened in to support the WFD preliminary assessment.

## GWDTE – G_117

4.2.204 The GWDTE G_117 is located at Bollin Oxbow at Castle Hill (at NGR SJ8000183617). A baseline desk study has been undertaken.

4.2.205 Based on the evidence from the baseline assessment, the GWDTE G_117 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_118

4.2.206 The potential spring S_118 is located at Ecclesfield Wood (at NGR SJ7826083708). A baseline desk study has been undertaken.

4.2.207 Based on the evidence from the baseline assessment, the potential spring S_118 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_119

4.2.208 The GWDTE G_119 is located at Ecclesfield Wood (at NGR SJ7809683729). A baseline desk study has been undertaken.

4.2.209 Based on the evidence from the baseline assessment, the GWDTE G_119 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_126

4.2.210 The potential spring S_126 located at Lamb Lane, west of Stock Farm (at NGR SJ7675984039). A baseline desk study and field survey have been undertaken.

4.2.211 A summary of the baseline condition of the potential spring S_126, together with some example photographs, are provided in Table 136.

4.2.212 Based on the evidence from the baseline assessment, the potential spring S_126 has not been screened in to support the WFD preliminary assessment.

**Table 136: Summary of baseline condition of potential spring S_126**

| Description of feature | Example photograph |
|---|---|
| Land drainage outfall – not a groundwater feature. |  Photograph taken from NGR SJ7675984039 |

## Potential spring – S_127

4.2.213 The potential spring S_127 is located at Cotteril Clough nature reserve (at NGR SJ8043684044). A baseline desk study and field survey have been undertaken.

4.2.214 A summary of the baseline condition of the potential spring S_127, together with some example photographs, are provided in Table 137.

4.2.215 Based on the evidence from the baseline assessment, the potential spring S_127 has not been screened in to support the WFD preliminary assessment.

**Table 137: Summary of baseline condition of potential spring S_127**

| Description of feature | Example photograph |
|---|---|
| Land drainage channel – not a groundwater feature. |  Photograph taken from NGR SJ8043684044 |

## Potential spring – S_129

4.2.216 The potential spring S_129 is located at Sunbank Wood east, 267m north of Memorial Stone (at NGR SJ8018284061). A baseline desk study and field survey have been undertaken.

4.2.217 A summary of the baseline condition of the potential spring S_129, together with some example photographs, are provided in Table 138.

4.2.218 Based on the evidence from the baseline assessment, the potential spring S_129 has not been screened in to support the WFD preliminary assessment.

**Table 138: Summary of baseline condition of potential spring S_129**

| Description of feature | Example photograph |
|---|---|
| Land drainage outfall – not a groundwater feature. |  Photograph taken from NGR SJ8018284061 |

## Spring – S_130

4.2.219 The spring S_130 is located 130m south-east of Pigleystair Bridge, River Bollin (at NGR SJ7961684063). A baseline desk study and field survey have been undertaken.

4.2.220 A summary of the baseline condition of the spring S_130, together with some example photographs, are provided in Table 139.

4.2.221 Based on the evidence from the baseline assessment, the spring S_130 has been screened in to support the WFD preliminary assessment.

**Table 139: Summary of baseline condition of spring S_130**

| Description of feature | Example photograph |
|---|---|
| Survey shows there is both a spring and drainage outfall at this location. Revisit survey noted that the watercourse was dry hence this is likely a seasonal spring. |   Photographs taken from NGR SJ7961684063 |

## Spring – S_131

4.2.222 The spring S_131 located 115m south-east of Pigleystair Bridge, River Bollin (at NGR SJ7960284071). A baseline desk study and field survey have been undertaken.

4.2.223 A summary of the baseline condition of the spring S_131, together with some example photographs, are provided in Table 140.

4.2.224 Based on the evidence from the baseline assessment, the spring S_131 has been screened in to support the WFD preliminary assessment.

**Table 140: Summary of baseline condition of spring S_131**

| Description of feature | Example photograph |
|---|---|
| Spring discharging to small tributary of the River Bollin. Revisit survey noted that the watercourse was dry hence this is likely a seasonal spring. |  Photograph taken from NGR SJ7960284071 |

## Potential spring – S_133

4.2.225 The potential spring S_133 is located at Harpers Bank Wood, 216m east of Hunters Moon, Rostherne Lane (at NGR SJ7387884129). A baseline desk study has been undertaken.

4.2.226 Based on the evidence from the baseline assessment, the potential spring S_133 has been screened in to support the WFD preliminary assessment.

## Spring – S_134

4.2.227 The spring S_134 located Pigleystair Bridge, River Bollin (at NGR SJ7955084161). A baseline desk study and field survey have been undertaken.

4.2.228 A summary of the baseline condition of the spring S_134, together with some example photographs, are provided in Table 141.

4.2.229 Based on the evidence from the baseline assessment, the spring S_134 has been screened in to support the WFD preliminary assessment.

**Table 141: Summary of baseline condition of spring S_134**

| Description of feature | Example photograph |
|---|---|
| Surveys identified wetland ecology (mosses and Yorkshire fog) at site with a dry channel downslope of the spring. No flow identified from spring at time of survey hence this is likely a seasonal spring. Spring was also identified during a different survey.<br>Buried pipe was also located which may be connected to land drainage system. |  <br>  <br>Photograph taken from NGR SJ7955084161 |

## Potential spring – S_135

4.2.230 The potential spring S_135 is located at Hunters Moon, Rostherne Lane (at NGR SJ7371884187). A baseline desk study has been undertaken.

4.2.231 Based on the evidence from the baseline assessment, the potential spring S_135 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_136

4.2.232 The potential spring S_136 is located at Hunters Moon, Rostherne Lane (at NGR SJ7372384194). A baseline desk study has been undertaken.

4.2.233 Based on the evidence from the baseline assessment, the potential spring S_136 has been screened in to support the WFD preliminary assessment.

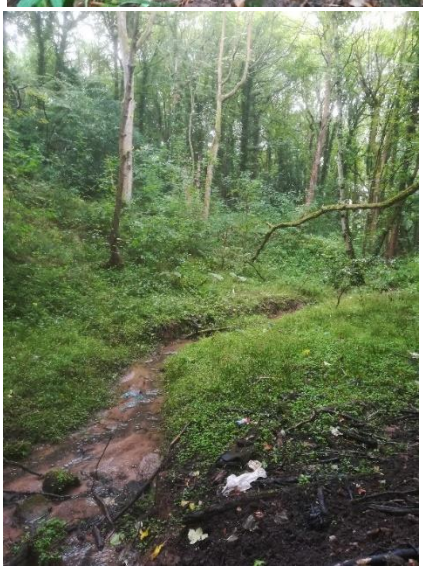
## GWDTE – G_137

4.2.234 The GWDTE G_137 is located at Sunbank Wood and Ponds (including Bollin Bank Ancient Woodland) (at NGR SJ8001984203). A baseline desk study and field survey have been undertaken.

4.2.235 A summary of the baseline condition of the GWDTE G_137, together with some example photographs, are provided in Table 142.

4.2.236 Based on the evidence from the baseline assessment, the GWDTE G_137 has been screened in to support the WFD preliminary assessment.

**Table 142: Summary of baseline condition of GWDTE G_137**

| Description of feature | Example photographs |
|---|---|
| No evidence of wetland but streams located which are supported by springs. Wetland vegetation found adjacent to ponds. This suggests that the woodland is at least partially dependent on groundwater. |   Photographs taken from NGR SJ8001984203 |

## Potential spring – S_138

4.2.237 The potential spring S_138 is located in Harpers Bank Wood (at NGR SJ7398584221). A baseline desk study has been undertaken.

4.2.238 Based on the evidence from the baseline assessment, the potential spring S_138 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_139

4.2.239 The potential spring S_139 is located 222m west of Pigleystair Bridge, River Bollin (at NGR SJ7933484225). A baseline desk study has been undertaken.

4.2.240 Based on the evidence from the baseline assessment, the potential spring S_139 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_140

4.2.241 The potential spring S_140 is located 110m west of telecommunication mast at Castle Mill Lane (at NGR SJ7845384335). A baseline desk study and field survey have been undertaken.

4.2.242 A summary of the baseline condition of the potential spring S_140, together with some example photographs, are provided in Table 143.

4.2.243 Based on the evidence from the baseline assessment, the potential spring S_140 has not been screened in to support the WFD preliminary assessment.

**Table 143: Summary of baseline condition of potential spring S_140**

| Description of feature | Example photograph |
|---|---|
| Land drainage outfall – not a groundwater feature. |  Photograph taken from NGR SJ7845384335 |

## GWDTE – G_141

4.2.244 The GWDTE G_141 is located at Jackson's Bank East (at NGR SJ7846084344). A baseline desk study and field survey have been undertaken.

4.2.245 A summary of the baseline condition of the GWDTE G_141, together with some example photographs, are provided in Table 144.

4.2.246 Based on the evidence from the baseline assessment, the GWDTE G_141 has not been screened in to support the WFD preliminary assessment.

**Table 144: Summary of baseline condition of GWDTE G_141**

| Description of feature | Example photograph |
|---|---|
| Not a groundwater dependent habitat. Woodland consists of several piped, deep drainage ditches discharging into the River Bollin. Ground level is relatively flat and the large closed depression in the north of the habitat was dry; a groundwater collect would be expected here if the habitat was groundwater dependent. |  Photograph taken from NGR SJ7846084344 |

## Potential spring – S_142

4.2.247 The potential spring S_142 is located at Sunbank Wood, 400m east of Halebank Farm (at NGR SJ8024384344). A baseline desk study and field survey have been undertaken.

4.2.248 A summary of the baseline condition of the potential spring S_142, together with some example photographs, are provided in Table 145.

4.2.249 Based on the evidence from the baseline assessment, the potential spring S_142 has not been screened in to support the WFD preliminary assessment.

**Table 145: Summary of baseline condition of potential spring S_142**

| Description of feature | Example photograph |
|---|---|
| Land drainage outfall – not a groundwater feature. |  Photograph taken from NGR SJ8024384344 |

## Potential spring – S_143

4.2.250 The potential spring S_143 located 115m north-west of telecommunication mast at Castle Mill Lane (at NGR SJ7850484410). A baseline desk study and field survey have been undertaken.

4.2.251 A summary of the baseline condition of the potential spring S_143, together with some example photographs, are provided in Table 146.

4.2.252 Based on the evidence from the baseline assessment, the potential spring S_143 has not been screened in to support the WFD preliminary assessment.

**Table 146: Summary of baseline condition of potential spring S_143**

| Description of feature | Example photograph |
|---|---|
| Land drainage outfall – not a groundwater feature.<br>No obvious wetland habitat. |  <br>Photograph taken from NGR SJ7850484410 |

## Potential spring – S_144a

4.2.253 The potential spring S_144a is located 75m north of Lower Thornsgreen Farm (at NGR SJ7903884439). A baseline desk study and field survey have been undertaken.

4.2.254 A summary of the baseline condition of the potential spring S_144a, together with some example photographs, are provided in Table 147.

4.2.255 Based on the evidence from the baseline assessment, the potential spring S_144a has not been screened in to support the WFD preliminary assessment.

**Table 147: Summary of baseline condition of potential spring S_144a**

| Description of feature | Example photographs |
|---|---|
| Land drainage channel feeding into dug-out ditch was located at the site of the potential spring. A second piped land drainage outfall (not shown on OS maps) was identified 50m downstream of the potential spring. No wetland habitat. |  |

| Description of feature | Example photographs |
|---|---|
| |  <br>Photographs taken from NGR SJ7903884439 |

## Spring – S_144b

4.2.256 The spring S_144b is located 90m north of Lower Thornsgreen Farm (at NGR SJ7905584438). A baseline desk study and field survey have been undertaken.

4.2.257 A summary of the baseline condition of the spring S_144b, together with some example photographs, are provided in Table 148.

4.2.258 Based on the evidence from the baseline assessment, the spring S_144b has been screened in to support the WFD preliminary assessment.

**Table 148: Summary of baseline condition of spring S_144b**

| Description of feature | Example photograph |
|---|---|
| A spring was located during field survey of potential spring S_144a. There is a brick and slab near the spring however, this has collapsed and been infilled with sediment. When soil was dug away, water seeped out slowly. Natural channel downstream of spring differs from the dug-out channels of the land drains and a few ferns were located around the spring. |  <br>Photograph taken from NGR SJ7905584438 |

## GWDTE – G_145a

4.2.259 The GWDTE G_145a is located at Brickhill Wood (at NGR SJ7910883633). A baseline desk study and field survey have been undertaken.

4.2.260 A summary of the baseline condition of the GWDTE G_145a, together with some example photographs, are provided in Table 149.

4.2.261 Based on the evidence from the baseline assessment, the GWDTE G_145a has been screened in to support the WFD preliminary assessment.

**Table 149: Summary of baseline condition of GWDTE G_145a**

| Description of feature | Example photographs |
|---|---|
| Partial surveys showed the habitat is not groundwater dependent. Drainage ditch located around edge of habitat and stagnant watercourse within the woodland. However, full access was not available so further surveys are required to confirm the nature of this habitat. As such, Brickhill Wood is assumed to be a groundwater dependent habitat on a precautionary basis until further surveys can be completed. |  <br>  <br>Photographs taken from NGR SJ7910883633 |

## GWDTE – G_145b

4.2.262 The GWDTE G_145b is located at Mill Wood, Castle Mill (at NGR SJ7979283924). A baseline desk study and field survey have been undertaken.

4.2.263 A summary of the baseline condition of the GWDTE G_145b, together with some example photographs, are provided in Table 150.

4.2.264 Based on the evidence from the baseline assessment, the GWDTE G_145b has been screened in to support the WFD preliminary assessment.

**Table 150: Summary of baseline condition of GWDTE G_145b**

| Description of feature | Example photograph |
|---|---|
| Habitat located on bank of River Bollin dominated by trees and other water dependent ecology. Habitat will receive runoff from agricultural land. The habitat is also partially groundwater dependent land, with contribution from springs, as several springs identified in proximity to this habitat. Some areas of replanting observed alongside Mill Lane. |  Photograph taken from NGR SJ7979283924 |

## GWDTE – G_145c

4.2.265 The GWDTE G_145c is located near the Wood near Chapel Lane (including Hennersley Bank Ancient Woodland) (at NGR SJ7943884440). A baseline desk study and field survey have been undertaken.

4.2.266 A summary of the baseline condition of the GWDTE G_145c, together with some example photographs, are provided in Table 151.

4.2.267 Based on the evidence from the baseline assessment, the GWDTE G_145c has been screened out of the WFD preliminary assessment.

**Table 151: Summary of baseline condition of GWDTE G_145c**

| Description of feature | Example photograph |
|---|---|
| Surveys confirmed the habitat is broadleaf woodland (predominantly Sycamore and Ash) and is not assessed to be groundwater dependent. |  Photograph taken from NGR SJ7943884440 |

## GWDTE – G_147

4.2.268 The GWDTE G_147 is located at Ryecroft Covert (at NGR SJ7574684507). A baseline desk study and field survey have been undertaken.

4.2.269 A summary of the baseline condition of the GWDTE G_147, together with some example photographs, are provided in Table 152.

4.2.270 Based on the evidence from the baseline assessment, the GWDTE G_147 has been screened in to support the WFD preliminary assessment.

**Table 152: Summary of baseline condition of GWDTE G_147**

| Description of feature | Example photograph |
|---|---|
| The woodland is dominated by tree species associated with wet woodland, such as willow, alder and silver birch. In addition, the woodland floor contains large pools and is dominated by Indian balsam, which is a weed found in aquatic habitats.<br>Several springs and minor watercourses were identified along with areas of standing water. This area of the site is likely to be partially groundwater dependent. |  Photograph taken from NGR SJ7574684507 |

## Potential spring – S_148

4.2.271 The potential spring S_148 is located at Oak Farm Cottages, Sunbank Lane (at NGR SJ8040684548). A baseline desk study has been undertaken.

4.2.272 Based on the evidence from the baseline assessment, the potential spring S_148 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_150

4.2.273 The GWDTE G_150 is located at Hancock's Bank South (including Birkin House) (at NGR SJ7553284560). A baseline desk study and field survey have been undertaken.

4.2.274 A summary of the baseline condition of the GWDTE G_150, together with some example photographs, are provided in Table 153.

4.2.275 Based on the evidence from the baseline assessment, the GWDTE G_150 has been screened in to support the WFD preliminary assessment.

**Table 153: Summary of baseline condition of GWDTE G_150**

| Description of feature | Example photograph |
|---|---|
| Wood in small valley. Access restricted to PRoW. As such, a habitat survey required to assess extent and value of habitat. |  Photograph taken from NGR SJ7553284560 |

## Potential spring – S_151

4.2.276 The potential spring S_151 is located at Ryecroft Covert (at NGR SJ7610684563). A baseline desk study and field survey have been undertaken.

4.2.277 A summary of the baseline condition of the potential spring S_151, together with some example photographs, are provided in Table 154.

4.2.278 Based on the evidence from the baseline assessment, the potential spring S_151 has not been screened in to support the WFD preliminary assessment.

**Table 154: Summary of baseline condition of potential spring S_151**

| Description of feature | Example photograph |
|---|---|
| Culvert – not a groundwater feature. |  Photograph taken from NGR SJ7610684563 |

## Potential spring – S_152

4.2.279 The potential spring S_152 is located 60m north-east of the River Bollin M56 viaduct (at NGR SJ7922584612). A baseline desk study and field survey have been undertaken.

4.2.280 A summary of the condition of the potential spring S_152, together with some example photographs, are provided in Table 155.

4.2.281 Based on evidence from the baseline assessment, the potential spring S_152 has been screened in to support the WFD preliminary assessment.

**Table 155: Summary of baseline condition of potential spring S_152**

| Description of feature | Example photograph |
|---|---|
| No specific feature identified, however path was clearly muddy with a raised stone section and a newly dug drain. This indicates that there is flow at this location, with the spring potentially being seasonal and not flowing at the time of the survey.<br>Possible wetland species (willow) were also identified. |  <br>Photograph taken from NGR SJ7922584612 |

## Potential spring – S_153

4.2.282 The potential spring S_153 is located 60m north-east of the River Bollin M56 viaduct (at NGR SJ7922584612). A baseline desk study and field survey have been undertaken.

4.2.283 A summary of the condition of the potential spring S_153, together with some example photographs, are provided in Table 156.

4.2.284 Based on evidence from the baseline assessment, the potential spring S_153 has been screened in to support the WFD preliminary assessment.

**Table 156: Summary of baseline condition of potential spring S_153**

| Description of feature | Example photograph |
|---|---|
| No specific feature identified, however path was clearly muddy with a raised stone section and a newly dug drain. This indicates that there is flow at this location, with the spring potentially being seasonal and not flowing at the time of the survey.<br>Possible wetland species (willow) were also identified. |  <br>Photograph taken from NGR SJ7922584612 |

## Potential spring – S_154

4.2.285 The potential spring S_154 is located 60m north-east of the River Bollin M56 viaduct (at NGR SJ7922584612). A baseline desk study and field survey have been undertaken.

4.2.286 A summary of the condition of the potential spring S_154, together with some example photographs, are provided in Table 157.

4.2.287 Based on evidence from the baseline assessment, the potential spring S_154 has been screened in to support the WFD preliminary assessment.

**Table 157: Summary of baseline condition of potential spring S_154**

| Description of feature | Example photograph |
|---|---|
| No specific feature identified, however path was clearly muddy with a raised stone section and a newly dug drain. This indicates that there is flow at this location, with the spring potentially being seasonal and not flowing at the time of the survey.<br>Possible wetland species (willow) were also identified. |  <br>Photograph taken form NGR SJ7922584612 |

## Potential spring – S_155

4.2.288 The potential spring S_155 is located 127m south-east of Keepers Cottage, Sunbank Lane (at NGR SJ8020684632). A baseline desk study has been undertaken.

4.2.289 Based on the evidence from the baseline assessment, the potential spring S_155 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_156

4.2.290 The GWDTE G_156 is located at Rossmill (at NGR SJ7926084652). A baseline desk study and field survey have been undertaken.

4.2.291 A summary of the baseline condition of the GWDTE G_156, together with some example photographs, are provided in Table 158.

4.2.292 Based on the evidence from the baseline assessment, the GWDTE G_156 has not been screened in to support the WFD preliminary assessment.

**Table 158: Summary of baseline condition of GWDTE G_156**

| Description of feature | Example photograph |
|---|---|
| Habitat is not considered to be groundwater dependent. Several ponds observed within the habitat at base of valley sides at the break in slopes. No evidence these ponds are groundwater collects but likely instead originate from overland flow down valley sides, and the ponds had little marginal habitat. Culverted ditches within the habitat.<br>Some evidence of groundwater flow into the River Bollin so likely groundwater is at depth; no evidence of groundwater geomorphology or dependency away from the River Bollin. |  <br>Photograph taken from NGR SJ7926084652 |

## Spring – S_157

4.2.293 The spring S_157 is located at Keepers Cottage, Sunbank Lane (south) (at NGR SJ8006984653). A baseline desk study and field survey have been undertaken.

4.2.294 A summary of the baseline condition of the spring S_157, together with some example photographs, are provided in Table 159.

4.2.295 Based on the evidence from the baseline assessment, the spring S_157 has been screened in to support the WFD preliminary assessment.

**Table 159: Summary of baseline condition of spring S_157**

| Description of feature | Example photograph |
|---|---|
| This is a spring discharging into Tributary of River Bollin 2 and is supporting wetland habitat. |  Photograph taken from NGR SJ8006984653 |

## Potential spring – S_159

4.2.296 The potential spring S_159 is located 120m east of Keepers Cottage, Sunbank Lane (at NGR SJ8020884661). A baseline desk study has been undertaken.

4.2.297 Based on the evidence from the baseline assessment, the potential spring S_159 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_160

4.2.298 The potential spring S_160 is located near Keepers Cottage, Sunbank Lane (north) (at NGR SJ8006784668). A baseline desk study and field survey have been undertaken.

4.2.299 A summary of the baseline condition of the potential spring S_160, together with some example photographs, are provided in Table 160.

4.2.300 Based on the evidence from the baseline assessment, the potential spring S_160 has been screened in to support the WFD preliminary assessment.

**Table 160: Summary of baseline condition of potential spring S_160**

| Description of feature | Example photographs |
|---|---|
| Survey could not find evidence of groundwater features at the site. |  Photograph taken from NGR SJ8006784668 |

## Potential sink – S_161

4.2.301 The potential sink S_161 is located 140m north of River Bollin, M56 subway (at NGR SJ7920584687). A baseline desk study and field survey have been undertaken.

4.2.302 A summary of the baseline condition of the potential sink S_161, together with some example photographs, are provided in Table 161.

4.2.303 Based on the evidence from the baseline assessment, the potential sink S_161 has not been screened in to support the WFD preliminary assessment.

**Table 161: Summary of baseline condition of potential sink S_161**

| Description of feature | Example photograph |
|---|---|
| Surveys could not find any evidence of a sink (as shown on OS maps) at the site. The only feature located was a culvert. |  Photograph taken from NGR SJ7920584687 |

## Potential spring – S_162

4.2.304 The potential spring S_162 is located 70m south of Haslemere Avenue, Hale (at NGR SJ7940484691). A baseline desk study has been undertaken.

4.2.305 Based on the evidence from the baseline assessment, the potential spring S_162 has been screened in to support the WFD preliminary assessment.

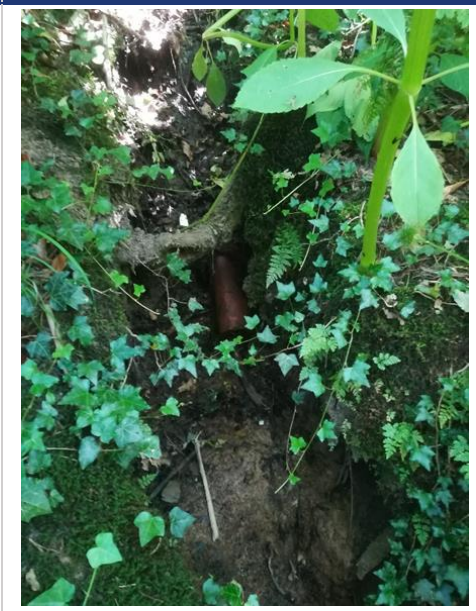
## Potential spring – S_164

4.2.306 The potential spring S_164 is located in woodland, 160m south-west of Haslemere Avenue, Hale (at NGR SJ7923184720). A baseline desk study and field survey have been undertaken.

4.2.307 A summary of the baseline condition of the potential spring S_164, together with some example photographs, are provided in Table 162.

4.2.308 Based on the evidence from the baseline assessment, the potential spring S_164 has not been screened in to support the WFD preliminary assessment.

**Table 162: Summary of baseline condition of potential spring S_164**

| Description of feature | Example photograph |
|---|---|
| Surveys located a small stream flowing down a steep hillside. A small pipe discharges into the stream. This is a land drainage outfall, not a groundwater feature. |  Photograph taken from NGR SJ7923184720 |

## Potential spring – S_165

4.2.309 The potential spring S_165 is located at Jackson's Bank, 35m west of Hale Golf Course south (at NGR SJ7851484727). A baseline desk study has been undertaken.

4.2.310 Based on the evidence from the baseline assessment, the potential spring S_165 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_166

4.2.311 The GWDTE G_166 is located at Warburton Wood (at NGR SJ7908484743). A baseline desk study and field survey have been undertaken.

4.2.312 A summary of the baseline condition of the GWDTE G_166, together with some example photographs, are provided in Table 163.

4.2.313 Based on the evidence from the baseline assessment, the GWDTE G_166 has not been screened in to support the WFD preliminary assessment.

**Table 163: Summary of baseline condition of GWDTE G_166**

| Description of feature | Example photograph |
|---|---|
| Several ponds observed within the habitat at break in slopes. No evidence that these ponds are groundwater collects but, likely instead, originate from overland flow down valley sides. The ponds had little marginal habitat. Culverted ditches identified within the habitat.<br>Some evidence of groundwater flow into the River Bollin so likely groundwater flow at depth. The spring 90m west of Halesmere Avenue, Hale, located at the northern edge of the habitat, flows through the habitat into the River Bollin. However, there is little evidence of groundwater geomorphology or dependency away from the River Bollin. Habitat is deemed surface water and groundwater dependent although is scoped out due to the lack of impact pathway for hydrological impact. |  <br>Photograph taken from NGR SJ7908484743 |

## Potential spring – S_167

4.2.314 The potential spring S_167 is located near the River Bollin, 100m east of Hale Golf Course south (at NGR SJ7874684770). A baseline desk study and field survey have been undertaken.

4.2.315 A summary of the baseline condition of the potential spring S_167, together with some example photographs, are provided in Table 164.

4.2.316 Based on the evidence from the baseline assessment, the potential spring S_167 has not been screened in to support the WFD preliminary assessment.

**Table 164: Summary of baseline condition of potential spring S_167**

| Description of feature | Example photographs |
|---|---|
| A culvert was observed during the site visit. No flow observed during the visit.<br>Not a groundwater feature. |  <br>  <br>Photographs taken from NGR SJ7874684770 |

## Potential sink – S_168

4.2.317 The potential sink S_168 is located at Jackson's Bank, 20m west of Hale Golf Course south (at NGR SJ7852884772). A baseline desk study has been undertaken.

4.2.318 Based on the evidence from the baseline assessment, the potential sink S_168 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_169

4.2.319 The GWDTE G_169 is located at Hancock's Bank North (at NGR SJ7537184790). A baseline desk study has been undertaken.

4.2.320 Based on the evidence from the baseline assessment, the GWDTE G_169 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_171

4.2.321 The GWDTE G_171 is located at Rostherne Mere (at NGR SJ7418884914). A baseline desk study and field survey have been undertaken.

4.2.322 A summary of the baseline condition of the GWDTE G_171, together with some example photographs, are provided in Table 165.

4.2.323 Based on the evidence from the baseline assessment, the GWDTE G_171 has been screened in to support the WFD preliminary assessment.

**Table 165: Summary of baseline condition of GWDTE G_171**

| Description of feature | Example photograph |
|---|---|
| Rostherne Mere is supported by the watercourses feeding into the Mere from the catchment. Rostherne Brook provides approximately 80% of the inflow into Rostherne Mere. These streams are determined to be fed by springs hence Rostherne Mere is a groundwater dependent habitat. |  Photograph taken from NGR SJ7418884914 |

## Potential spring – S_172

4.2.324 The potential spring S_172 is located at River Mead Avenue, Hale (at NGR SJ7901584944). A baseline desk study has been undertaken.

4.2.325 Based on the evidence from the baseline assessment, the potential spring S_172 has been screened in to support the WFD preliminary assessment.

## Spring – S_173

4.2.326 The spring S_173 is located at Carrwood, 45m west of Pump House (at NGR SJ7878884945). A baseline desk study and field survey have been undertaken.

4.2.327 A summary of the baseline condition of the spring S_173, together with some example photographs, are provided in Table 166.

4.2.328 Based on the evidence from the baseline assessment, the spring S_173 has been screened in to support the WFD preliminary assessment.

**Table 166: Summary of baseline condition of spring S_173**

| Description of feature | Example photograph |
|---|---|
| Spring feeding into a small stream flowing straight down steep hillside. The channel is very steep sided, the form suggesting large flows during wet periods. Parts of the channel are culverted. |  Photograph taken from NGR SJ7878884945 |

## Potential spring – S_174

4.2.329 The potential spring S_174 is located at Carrwood, 75m east of Pump House (at NGR SJ7891384966). A baseline desk study has been undertaken.

4.2.330 Based on the evidence from the baseline assessment, the potential spring S_174 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_177

4.2.331 The potential spring S_177 is located 310m north of Mereside Farm, Chester Road, Millington (at NGR SJ7380485163). A baseline desk study and field survey have been undertaken.

4.2.332 A summary of the baseline condition of the potential spring S_177, together with some example photographs, are provided in Table 167.

4.2.333 Based on the evidence from the baseline assessment, the potential spring S_177 has not been screened in to support the WFD preliminary assessment.

**Table 167: Summary of baseline condition of potential spring S_177**

| Description of feature | Example photographs |
|---|---|
| This is a land drainage outfall, discharging into a culvert passing under the M56 and feeding into Tributary of River Bollin 11. |   Photographs taken from NGR SJ7380485163 |

## GWDTE – G_178

4.2.334 The GWDTE G_178 is located at Yarwood Heath Covert (at NGR SJ7451985190). A baseline desk study and field survey have been undertaken.

4.2.335 A summary of the baseline condition of the GWDTE G_178, together with some example photographs, are provided in Table 168.

4.2.336 Based on the evidence from the baseline assessment, the GWDTE G_178 has been screened in to support the WFD preliminary assessment.

**Table 168: Summary of baseline condition of GWDTE G_178**

| Description of feature | Example photograph |
|---|---|
| Site visit identified a shallow drainage ditch through woodland in a north-south direction through coniferous woodland, terminating in ponds in the south-eastern corner of the woodland. The ditch was shallow and not flowing at the time of survey. |  Photograph taken from NGR SJ7451985190 |

## Potential spring – S_180

4.2.337 The potential spring S_180 is located near Fish House Plantation (at NGR SJ7632285267). A baseline desk study and field survey have been undertaken.

4.2.338 A summary of the baseline condition of the potential spring S_180, together with some example photographs, are provided in Table 169.

4.2.339 Based on the evidence from the baseline assessment, the potential spring S_180 has not been screened in to support the WFD preliminary assessment.

**Table 169: Summary of baseline condition of potential spring S_180**

| Description of feature | Example photograph |
|---|---|
| Site visits identified a pipe in the side of depression. This is a probable land drainage outfall – a concrete manhole cover was located upslope. |  Photograph taken from NGR SJ7632285267 |

## Potential spring – S_181

4.2.340 The potential spring S_181 is located 100m west of Bowdon View, Coe Lane (at NGR SJ7326185393). A baseline desk study and field survey have been undertaken.

4.2.341 A summary of the baseline condition of the potential spring S_181, together with some example photographs, are provided in Table 170.

4.2.342 Based on the evidence from the baseline assessment, the potential spring S_181 has not been screened in to support the WFD preliminary assessment.

**Table 170: Summary of baseline condition of potential spring S_181**

| Description of feature | Example photograph |
|---|---|
| This is a land drainage feature with no evidence of wetland habitat or groundwater dependency at the feature. The ditch was dry during the field survey however likely supports overland flow during high precipitation events. Not a groundwater feature. |  Photograph taken from NGR SJ7326185393 |

## Potential spring – S_182

4.2.343 The potential spring S_182 is located at hotel on Hasty Lane (at NGR SJ8031185440). A baseline desk study has been undertaken.

4.2.344 Based on the evidence from the baseline assessment, the potential spring S_182 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_183

4.2.345 The GWDTE G_183 is located at Grey's Gorse (at NGR SJ7312885482). A baseline desk study has been undertaken.

4.2.346 Based on the evidence from the baseline assessment, the GWDTE G_183 has been screened in to support the WFD preliminary assessment.

## Potential sink – S_184

4.2.347 The potential sink S_184 is located at Brook Cottage, Spodegreen Lane (at NGR SJ7339985553). A baseline desk study and field survey have been undertaken.

4.2.348 A summary of the baseline condition of the potential sink S_184, together with some example photographs, are provided in Table 171.

4.2.349 Based on the evidence from the baseline assessment, the potential sink S_184 has not been screened in to support the WFD preliminary assessment.

**Table 171: Summary of baseline condition of potential sink S_184**

| Description of feature | Example photograph |
|---|---|
| Manmade drain with metal grid with a square brick hole at bottom of drain. Connected to dug out drain alongside road. Ditch is culverted under driveways further upstream. Likely connected to local drainage network. Road drain adjacent to the potential sink. |  Photograph taken from NGR SJ7339985553 |

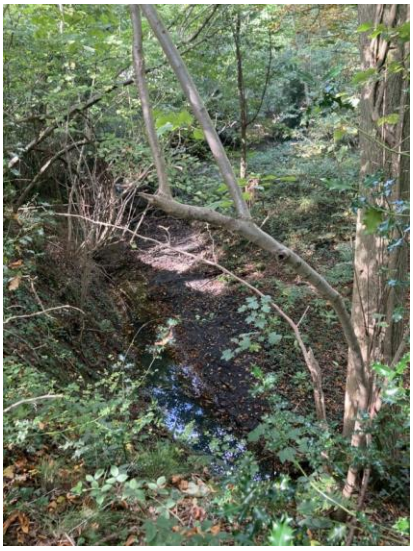
## GWDTE – G_187

4.2.350 The GWDTE G_187 is located at Davenport Green Wood (at NGR SJ8045086210). A baseline desk study and field survey have been undertaken.

4.2.351 A summary of the baseline condition of the GWDTE G_187, together with some example photographs, are provided in Table 172.

4.2.352 Based on the evidence from the baseline assessment, the GWDTE G_187 has not been screened in support the WFD preliminary assessment.

**Table 172: Summary of baseline condition of GWDTE G_187**

| Description of feature | Example photograph |
|---|---|
| Citation information and partial survey identified no areas of saturated ground with no clear evidence of groundwater dependency or wetland ecology. Timperley Brook flows through the habitat. |  Photograph taken from NGR SJ8045086210 |

## Potential spring – S_188

4.2.353 The potential spring S_188 is located at Ringway Golf Club, north on Shay Lane (at NGR SJ7968786290). A baseline desk study and field survey have been undertaken.

4.2.354 A summary of the baseline condition of the potential spring S_188, together with some example photographs, are provided in Table 173.

4.2.355 Based on the evidence from the baseline assessment, the potential spring S_188 has not been screened in to support the WFD preliminary assessment.

**Table 173: Summary of baseline condition of potential spring S_188**

| Description of feature | Example photograph |
|---|---|
| Surveys confirmed this is a constructed ditch between farmland and road. Break of slope into ditch from road. No wetland habitat or groundwater features. |  Photograph taken from NGR SJ7968786290 |

## Spring – S_189

4.2.356 The spring S_189 is located at Davenport Green, Roaring Gate Lane (at NGR SJ8041786572). A baseline desk study and field survey have been undertaken.

4.2.357 A summary of the baseline condition of the spring S_189, together with some example photographs, are provided in Table 174.

4.2.358 Based on the evidence from the baseline assessment, the spring S_189 has been screened in to support the WFD preliminary assessment.

**Table 174: Summary of baseline condition of spring S_189**

| Description of feature | Example photographs |
|---|---|
| The spring feature is located in a garden in a shallow valley. Soil absolutely saturated despite dry weather. There are two drainage outfalls located in proximity to the spring, but these were not flowing. |   Photographs taken from NGR SJ8041786572 |

## GWDTE – G_190

4.2.359 The GWDTE G_190 is located near Ponds at Davenport Green (at NGR SJ7994886900). A baseline desk study has been undertaken.

4.2.360 Based on the evidence from the baseline assessment, the GWDTE G_190 has not been screened in to support the WFD preliminary assessment.

## Potential spring – S_191

4.2.361 The potential spring S_191 is located 145m west of Roaring Gate Farm, Roaring Gate Lane (at NGR SJ8027287073). A baseline desk study has been undertaken.

4.2.362 Based on the evidence from the baseline assessment, the potential spring S_191 has been screened in to support the WFD preliminary assessment.

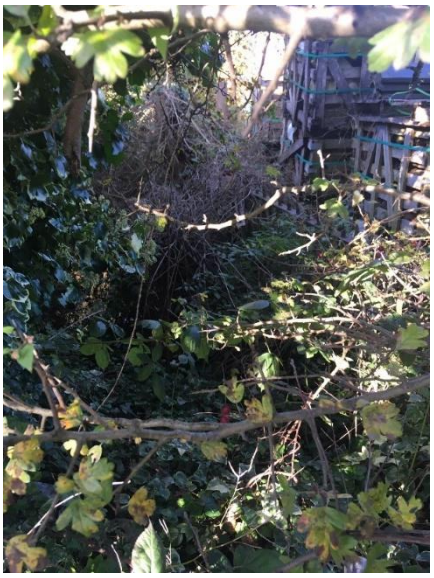
## Potential spring – S_193

4.2.363 The potential spring S_193 is located at Dobbinetts Lane, Roundthorn (at NGR SJ8030587774). A baseline desk study and field survey have been undertaken.

4.2.364 A summary of the baseline condition of the potential spring S_193, together with some example photographs, are provided in Table 175.

4.2.365 Based on the evidence from the baseline assessment, the potential spring S_193 has not been screened in to support the WFD preliminary assessment.

**Table 175: Summary of baseline condition of potential spring S_193**

| Description of feature | Example photograph |
|---|---|
| Culvert passing under road (Dobbinetts Lane). Water from land drainage feeding into a ditch located behind houses and an industrial yard. Not a groundwater feature. |  Photograph taken from NGR SJ8030587774 |

## Potential spring – S_194

4.2.366 The potential spring S_194 is located at Blackcarr Wood south, Baguley (at NGR SJ8180988919). A baseline desk study and field survey have been undertaken.

4.2.367 A summary of the baseline condition of the potential spring S_194, together with some example photographs, are provided in Table 176.

4.2.368 Based on the evidence from the baseline assessment, the potential spring S_194 has been screened in to support the WFD preliminary assessment.

**Table 176: Summary of baseline condition of potential spring S_194**

| Description of feature | Example photograph |
|---|---|
| Surveys unable to identify a feature during the field survey. The feature is connected to a culvert under a railway. Assumed to be a high value receptor until confirmed by further field surveys. |  Photograph taken from NGR SJ8180988919 |

## GWDTE – G_195

4.2.369 The GWDTE G_195 is located near Blackcarr Wood and Baguley Bottoms (at NGR SJ8212188985). A baseline desk study and field survey have been undertaken.

4.2.370 A summary of the baseline condition of the GWDTE G_195, together with some example photographs, are provided in Table 177.

4.2.371 Based on the evidence from the baseline assessment, the GWDTE G_195 has been screened in to support the WFD preliminary assessment.

**Table 177: Summary of baseline condition of GWDTE G_195**

| Description of feature | Example photographs |
|---|---|
| Partial surveys confirm the habitat is unlikely to be groundwater dependent due to the large watercourse flowing within the habitat. Small area of woodland identified next to the river. The habitat is not considered to be favourable due to the large amount of litter within it. However, further surveys are required for a full assessment of the habitat to confirm the dependency of the habitat. |  |

| Description of feature | Example photographs |
|---|---|
| |  <br>Photographs taken from NGR SJ8212188985 |

## Potential sink – S_196

4.2.372 The potential sink S_196 is located at Blackcarr Wood north, Baguley (at NGR SJ8180289023). A baseline desk study and field survey have been undertaken.

4.2.373 A summary of the baseline condition of the potential sink S_196, together with some example photographs, are provided in Table 178.

4.2.374 Based on the evidence from the baseline assessment, the potential sink S_196 has not been screened in to support the WFD preliminary assessment.

**Table 178: Summary of baseline condition of potential sink S_196**

| Description of feature | Example photograph |
|---|---|
| Culvert under a railway – not a groundwater feature. |  <br>Photograph taken from NGR SJ8180289023 |

## Potential spring – S_197

4.2.375 The potential spring S_197 is located at Round Wood south, Northenden (at NGR SJ8243589244). A baseline desk study and field survey have been undertaken.

4.2.376 A summary of the baseline condition of the potential spring S_197, together with some example photographs, are provided in Table 179.

4.2.377 Based on the evidence from the baseline assessment, the potential spring S_197 has not been screened in to support the WFD preliminary assessment.

**Table 179: Summary of baseline condition of potential spring S_197**

| Description of feature | Example photograph |
|---|---|
| Culvert – not a groundwater feature. |  Photograph taken from NGR SJ8243589244 |

## Potential sink – S_198a

4.2.378 The potential sink S_198a is located at Round Wood north, Northenden (at NGR SJ8248589335). A baseline desk study and field survey have been undertaken.

4.2.379 A summary of the baseline condition of the potential sink S_198a, together with some example photographs, are provided in Table 180.

4.2.380 Based on the evidence from the baseline assessment, the potential sink S_198a has not been screened in to support the WFD preliminary assessment.

**Table 180: Summary of baseline condition of potential sink S_198a**

| Description of feature | Example photograph |
|---|---|
| Culvert – not a groundwater feature. |  Photograph taken from NGR SJ8248589335 |

## GWDTE – G_198b

4.2.381 The GWDTE G_198b is located at Round Wood (at NGR SJ8245389329). A baseline desk study has been undertaken.

4.2.382 Based on the evidence from the baseline assessment, the GWDTE G_198b has been screened in to support the WFD preliminary assessment.

## Potential spring – S_199

4.2.383 The potential spring S_199 is located at Gib Lane Wood south, Baguley (at NGR SJ8210589359). A baseline desk study and field survey have been undertaken.

4.2.384 A summary of the baseline condition of the potential spring S_199, together with some example photographs, are provided in Table 181.

4.2.385 Based on the evidence from the baseline assessment, the potential spring S_199 has not been screened in to support the WFD preliminary assessment.

**Table 181: Summary of baseline condition of potential spring S_199**

| Description of feature | Example photographs |
|---|---|
| Dry drainage ditch – not a groundwater feature. | No photographs available from site visit. |

## Potential spring – S_200

4.2.386 The potential spring S_200 is located at Gib Lane Wood east, Baguley (at NGR SJ8240889450). A baseline desk study has been undertaken.

4.2.387 Based on the evidence from the baseline assessment, the potential spring S_200 has been screened in to support the WFD preliminary assessment.

## Potential sink – S_201

4.2.388 The potential sink S_201 is located at Gib Lane Wood south, Baguley (at NGR SJ8212989474). A baseline desk study has been undertaken.

4.2.389 Based on the evidence from the baseline assessment, the potential sink S_201 has been screened in to support the WFD preliminary assessment.

## Potential spring – S_202

4.2.390 The potential spring S_202 is located at Gib Lane, Baguley (at NGR SJ8212589490). A baseline desk study and field survey have been undertaken.

4.2.391 A summary of the baseline condition of the potential spring S_202, together with some example photographs, are provided in Table 182.

4.2.392 Based on the evidence from the baseline assessment, the potential spring S_202 has not been screened in to support the WFD preliminary assessment.

**Table 182: Summary of baseline condition of potential spring S_202**

| Description of feature | Example photographs |
|---|---|
| Dry drainage ditch – not a groundwater feature. | No photographs available from site visit. |

## Potential sink – S_203

4.2.393 The potential sink S_203 is located at Gib Lane west, Baguley (at NGR SJ8214189630). A baseline desk study and field survey have been undertaken.

4.2.394 A summary of the baseline condition of the potential sink S_203, together with some example photographs, are provided in Table 183.

4.2.395 Based on the evidence from the baseline assessment, the potential sink S_203 has not been screened in to support the WFD preliminary assessment.

**Table 183: Summary of baseline condition of potential sink S_203**

| Description of feature | Example photographs |
|---|---|
| Dry drainage ditch – not a groundwater feature. | No photographs available from site visit. |

## Potential sink – S_204

4.2.396 The potential sink S_204 is located at Gib Lane north, Baguley (at NGR SJ8217789671). A baseline desk study and field survey have been undertaken.

4.2.397 A summary of the baseline condition of the potential sink S_204, together with some example photographs, are provided in Table 184.

4.2.398 Based on the evidence from the baseline assessment, the potential sink S_204 has not been screened in to support the WFD preliminary assessment.

**Table 184: Summary of baseline condition of potential sink S_204**

| Description of feature | Example photographs |
|---|---|
| Dry drainage ditch – not a groundwater feature. | No photographs available from site visit. |

## GWDTE – G_205

4.2.399 The GWDTE G_205 is located at Wythenshawe Park (at NGR SJ8162789763). A baseline desk study and field survey have been undertaken.

4.2.400 A summary of the baseline condition of the GWDTE G_205, together with some example photographs, are provided in Table 185.

4.2.401 Based on the evidence from the baseline assessment, the GWDTE G_205 has been screened in to support the WFD preliminary assessment.

**Table 185: Summary of baseline condition of GWDTE G_205**

| Description of feature | Example photograph |
|---|---|
| Pools and ponds which have formed within areas of marginally lower topography (less than 1m) suggest the water level is high and likely to be similar depth to the Basford Brook. Some areas of ponds have likely formed due to the glacial till preventing sufficient infiltration during rainfall events, hence perched groundwater. However, due to habitat value screened in for further assessment. |  Photograph taken from NGR SJ8162789763 |

# Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers (GB41201G101700)

4.2.402 This water body is crossed by the AP2 revised scheme, but no groundwater features are located within the study area.

# Manchester and East Cheshire Permo-Triassic Sandstone Aquifers (GB41201G101100)

## GWDTE – G_04

4.2.403 The GWDTE G_04 is located at Stenner Woods and Millgate Field, Didsbury and Fletcher Moss (at NGR SJ8425790067). A baseline desk study and field survey have been undertaken.

4.2.404 A summary of the baseline condition of the GWDTE G_04, together with some example photographs, are provided in Table 186.

4.2.405 Based on the evidence from the baseline assessment, the GWDTE G_04 has been screened in to support the WFD preliminary assessment.

**Table 186: Summary of baseline condition of GWDTE G_04**

| Description of feature | Example photograph |
|---|---|
| Boggy areas within slight depressions and around ponds. This suggests groundwater levels are relatively high and are forming collects. Drainage ditch indicates this area floods and may be a wetland at certain times of the year. There are areas of wetland vegetation surrounding the ponds. This habitat is at least partially groundwater dependent.<br>Access was only available via PRoW so further surveys are required to assess the full extent of the habitat. |  <br>Photograph taken from NGR SJ8425790067 |

## Potential sink – S_06

4.2.406 The potential sink S_06 is located at Stenner Lane Museum and Art Gallery (at NGR SJ8453190417). A baseline desk study has been undertaken.

4.2.407 Based on the evidence from the baseline assessment, the potential sink S_06 has been screened in to support the WFD preliminary assessment.

## Licensed abstraction – Lab_07

4.2.408 The Licensed abstraction Lab_07 is located at Didsbury Golf Club, Northenden, Wythenshawe (at NGR SJ8395090470). A baseline desk study has been undertaken.

4.2.409 Based on the evidence from the baseline assessment, the Licensed abstraction Lab_07 has been screened in to support the WFD preliminary assessment.

## GWDTE – G_08

4.2.410 The GWDTE G_08 is located at Wrengate Wood and Heycroft (at NGR SJ8378890992). A baseline desk study has been undertaken.

4.2.411 Based on the evidence from the baseline assessment, the GWDTE G_08 has been screened in to support the WFD preliminary assessment.

**High Speed Two (HS2) Limited**
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA
Freephone: 08081 434 434
Minicom: 08081 456 472
Email: HS2enquiries@hs2.org.uk