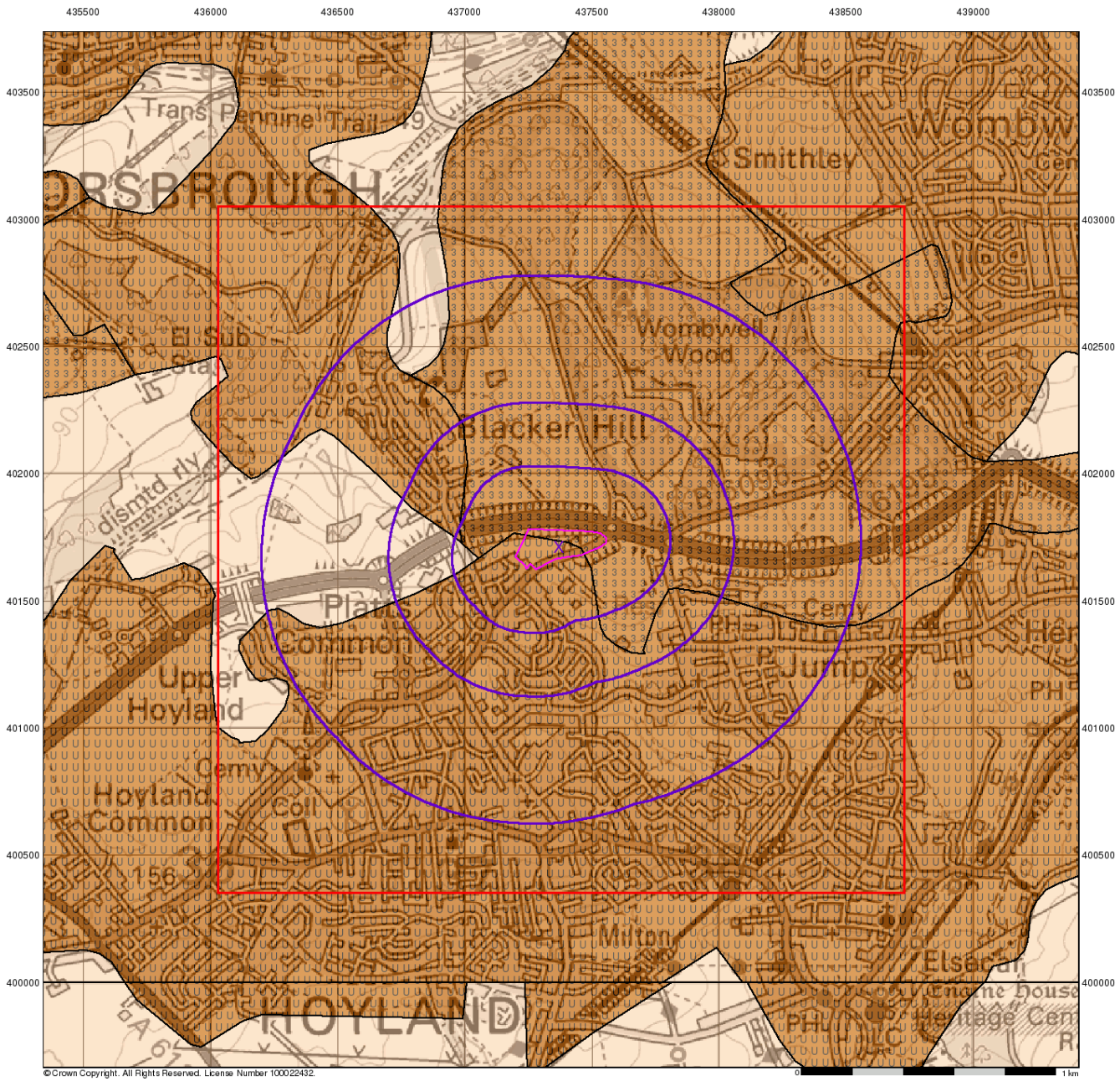



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# Groundwater Vulnerability

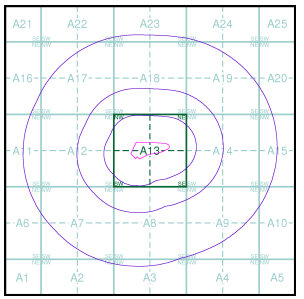
## General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## Agency and Hydrological

| Geological Classes | Soil Classes |
|---|---|
| Major Aquifer (Highly Permeable) | High (H) 1, 2, 3, U |
| | Intermediate (I) 1, 2 |
| | Low |
| Minor Aquifer (Variably Permeable) | High (H) 1, 2, 3, U |
| | Intermediate (I) 1, 2 |
| | Low |
| Non Aquifer (Negligibly Permeable) | |
| Water or Sea | |
| Drift Deposit | |

## Site Sensitivity Context Map - Slice A



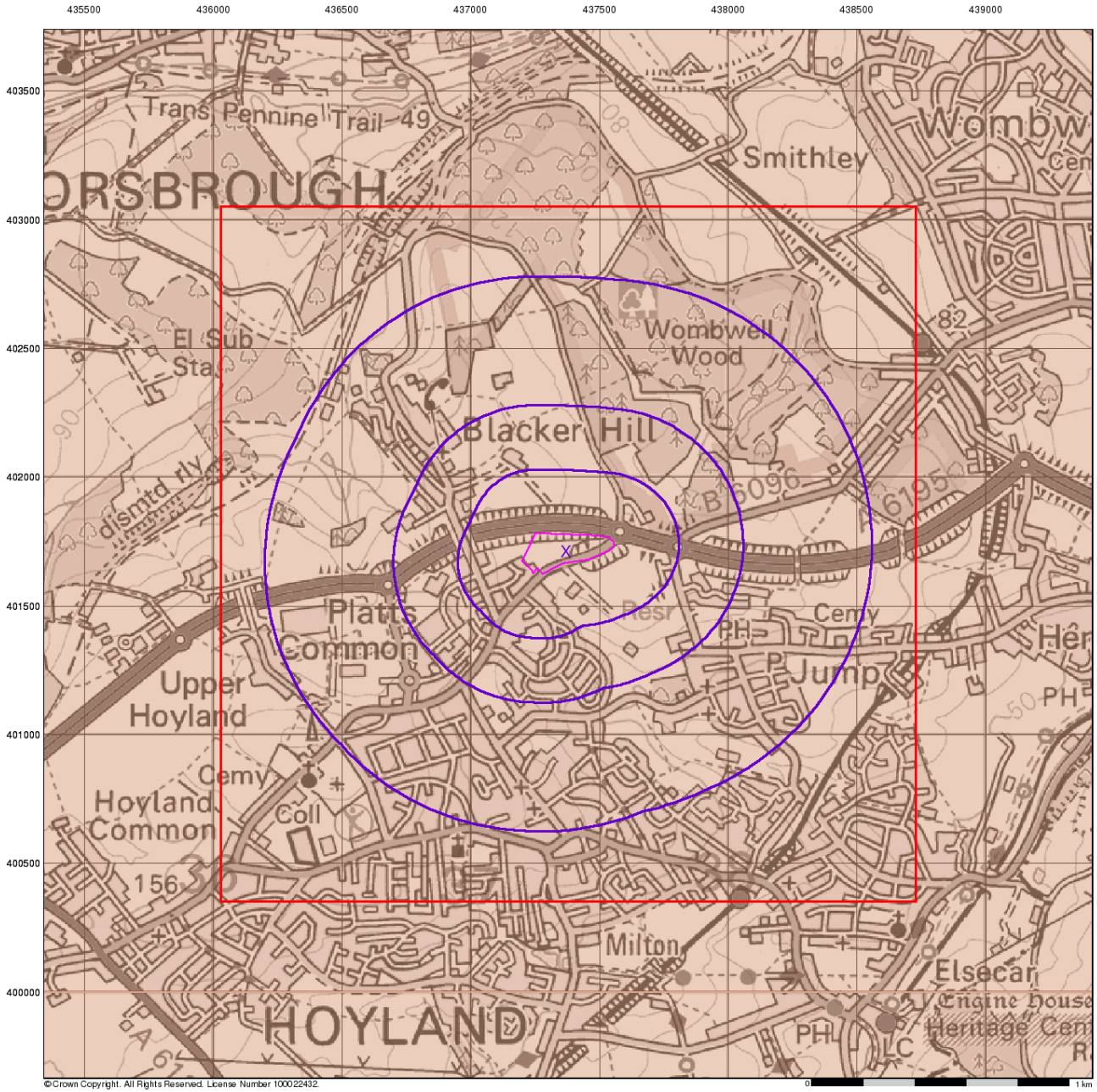

## Order Details

| | |
|---|---|
| Order Number: | 86959950_1_1 |
| Customer Ref: | 16-0406.01 |
| National Grid Reference: | 437370, 401710 |
| Slice: | A |
| Site Area (Ha): | 3.57 |
| Search Buffer (m): | 1000 |

## Site Details

Wood Walk, Hoyland, BARNSLEY, South Yorkshire, S74 9SH

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk




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# Bedrock Aquifer Designation

## General

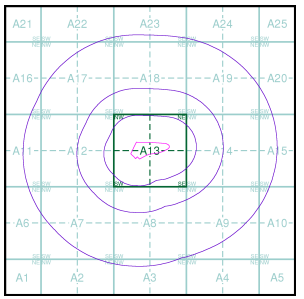
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## Agency and Hydrological

**Geological Classes**

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

## Site Sensitivity Context Map - Slice A

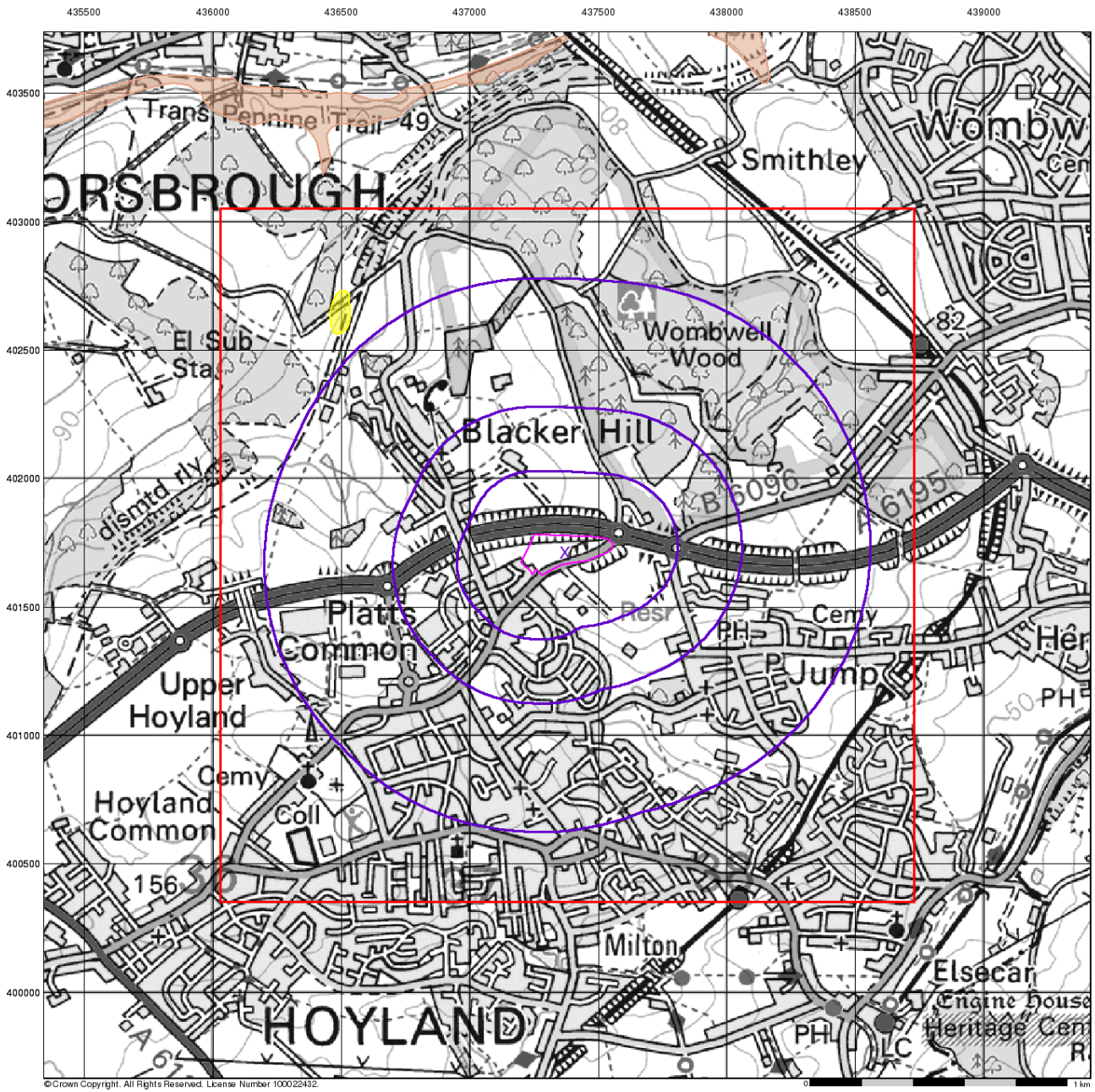



## Order Details

| | |
|---|---|
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| Slice: | A |
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| Search Buffer (m): | 1000 |

## Site Details

Wood Walk, Hoyland, BARNSLEY, South Yorkshire, S74 9SH




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# Superficial Aquifer Designation

## General

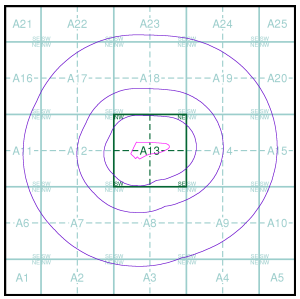
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## Agency and Hydrological

**Geological Classes**

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

## Site Sensitivity Context Map - Slice A

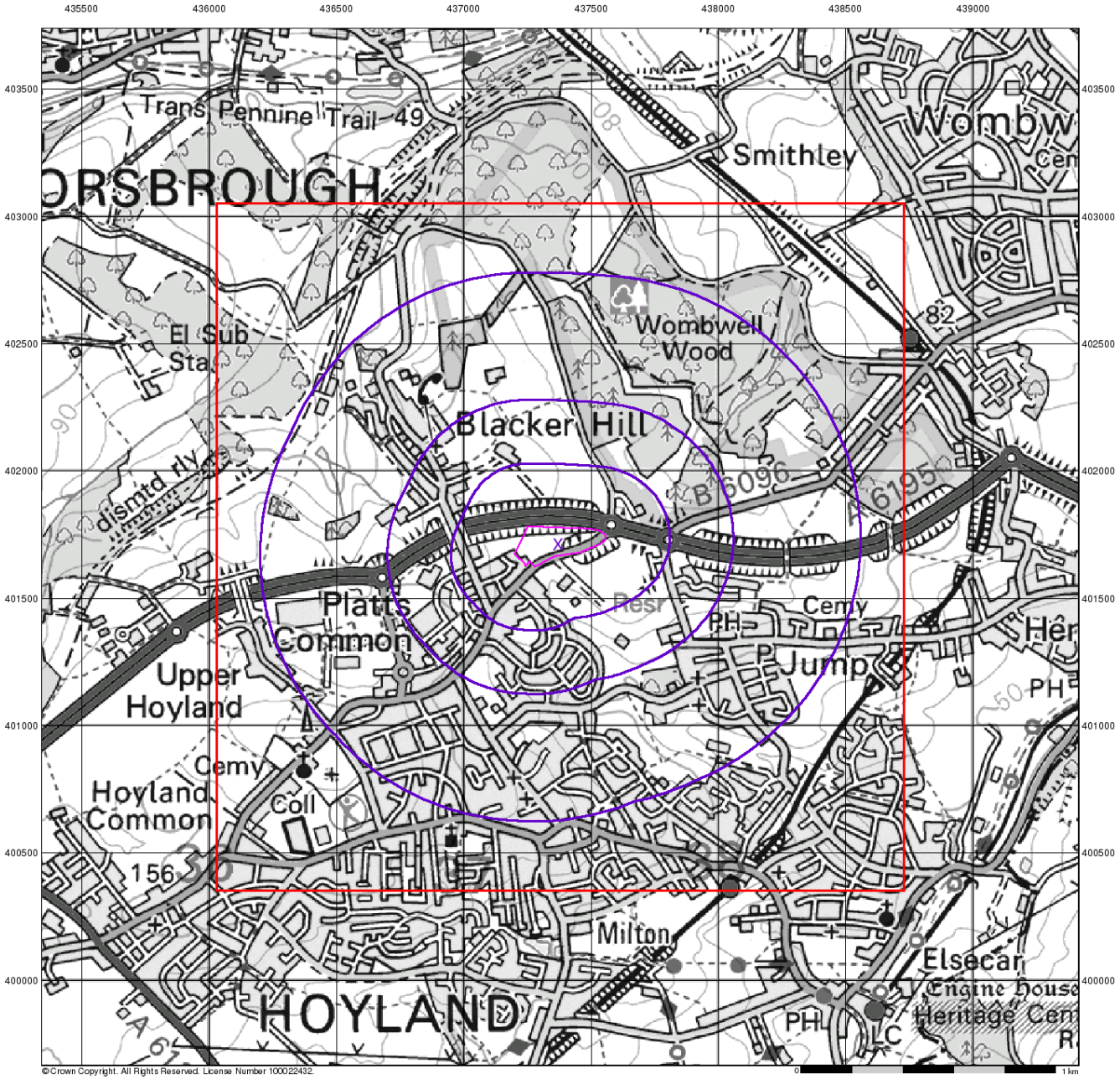



## Order Details

| | |
|---|---|
| Order Number: | 86959950_1_1 |
| Customer Ref: | 16-0406.01 |
| National Grid Reference: | 437370, 401710 |
| Slice: | A |
| Site Area (Ha): | 3.57 |
| Search Buffer (m): | 1000 |

## Site Details

Wood Walk, Hoyland, BARNSLEY, South Yorkshire, S74 9SH




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## Source Protection Zones

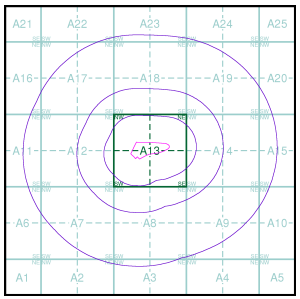
### General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

### Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice A



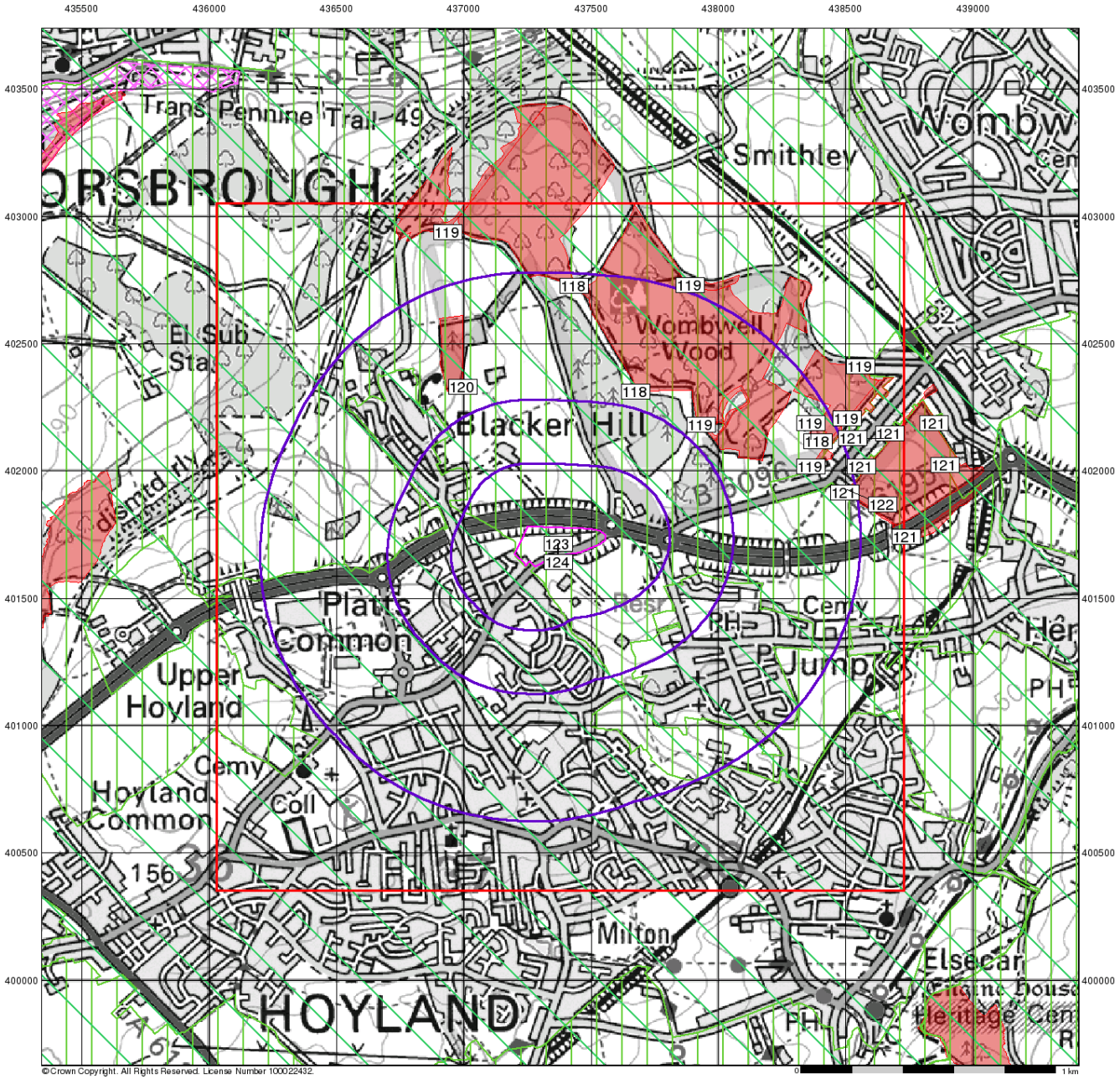

### Order Details

| | |
|---|---|
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| Customer Ref: | 16-0406.01 |
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### Site Details

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## Sensitive Land Uses

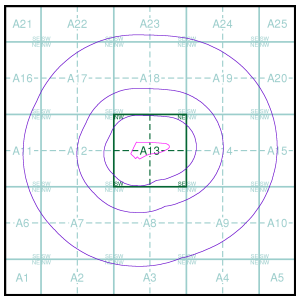
### General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

### Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

### Site Sensitivity Context Map - Slice A



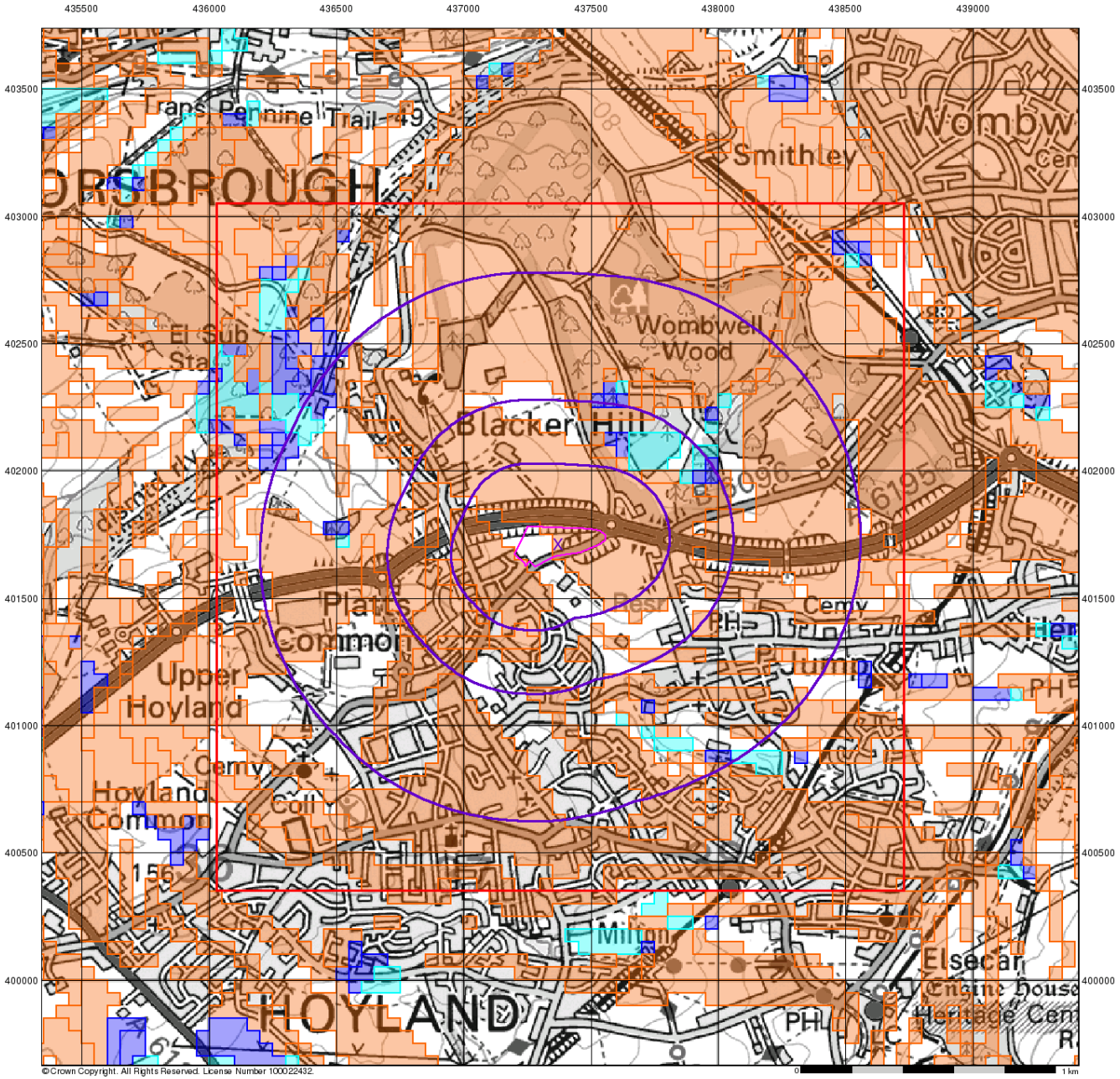

### Order Details

| | |
|---|---|
| Order Number: | 86959950_1_1 |
| Customer Ref: | 16-0406.01 |
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## BGS Flood GFS Data

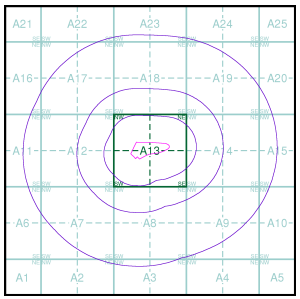
### General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

### Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

### Site Sensitivity Context Map - Slice A




### Order Details

| | |
|---|---|
| Order Number: | 86959950_1_1 |
| Customer Ref: | 16-0406.01 |
| National Grid Reference: | 437370, 401710 |
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| Search Buffer (m): | 1000 |

### Site Details

Wood Walk, Hoyland, BARNSLEY, South Yorkshire, S74 9SH

# Appendix III

# RISK DEFINITIONS

**Consequence to Receptor Definition Matrix**

| | Human Health | Controlled Waters | Buildings/Services |
|---|---|---|---|
| **Severe Consequence** | Acute or chronic permanent impact on human health. | Sensitive controlled water pollution ongoing, or just about to occur. | Catastrophic collapse |
| **Moderate Consequence** | Chronic permanent impact on human health | Gradual pollution of sensitive controlled water | Degradation of materials |
| **Mild Consequence** | Chronic temporary impact on human health | Gradual pollution of non-sensitive controlled water | Noticeable change, non-structural |

**Standard Risk Matrix**

| | Severe Consequence | Moderate Consequence | Mild Consequence |
|---|---|---|---|
| **Higher Probability** | Very High Risk | High Risk | Medium Risk |
| **Median Probability** | High Risk | Medium Risk | Low Risk |
| **Lower Probability** | Medium Risk | Low Risk | Very Low Risk |

**Probability Definitions**

| Probability | Definition in Context |
|---|---|
| **Higher** | Positive evidence of hazard, pathway and receptor |
| **Median** | Suspect hazard, pathway, and receptor |
| **Lower** | No evidence of hazard, pathway, and receptor |

**Risk Rank Definitions**

| Rank | Definition in Context |
|---|---|
| **Very High Risk** | Demonstrable contaminated land situation, highest threat & liability level, urgent action recommended. |
| **High Risk** | Likely contaminated land situation, risk assessment and action recommended. |
| **Medium Risk** | Plausible contaminated land situation, risk assessment and possible action recommended. |
| **Low Risk** | Unlikely contaminated land situation, possible risk assessment and possible action. |
| **Very Low Risk** | Negligible risk, no action recommended except vigilance for changes in conditions. |