



Gatwick Airport Northern Runway Project

Environmental Statement
Geology and Ground Conditions Figures

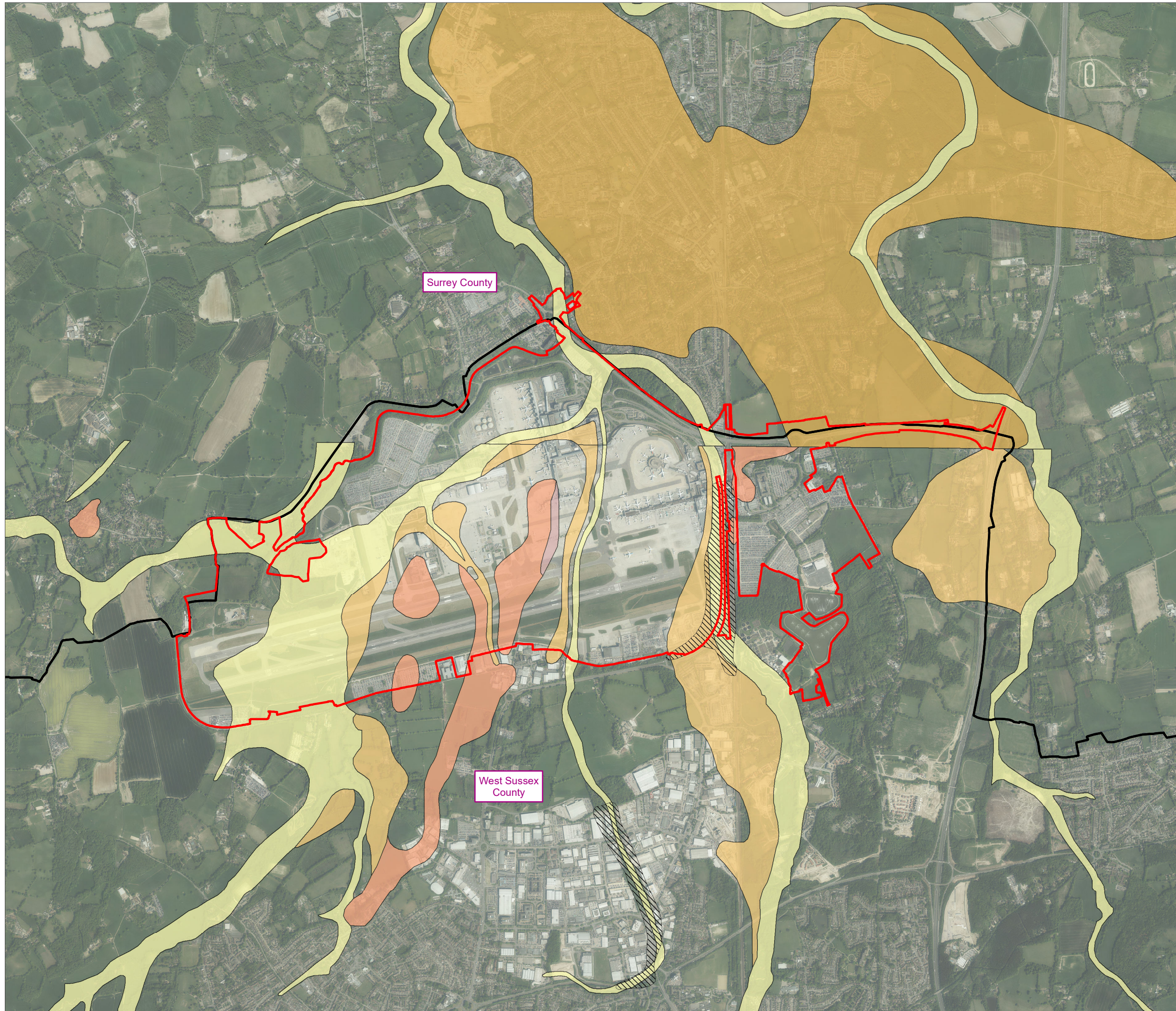
Book 5

VERSION: 1.0

DATE: JULY 2023

Application Document Ref: 5.2

PINS Reference Number: TR020005



Legend

- Project Site Boundary
- County Council Boundary
- Alluvium - Clay, silt, sand and gravel
- Head - Clay, silt, sand and gravel
- River Terrace Deposits (Undifferentiated) - Sand and gravel
- River Terrace Deposits, 1 (River Mole) - Sand and gravel
- River Terrace Deposits, 2 (River Mole) - Sand and gravel
- Made Ground - Artificial Deposit

DOCUMENT

Environmental Statement

DRAWING TITLE

Superficial Geology and Project Boundaries

DATE

July 2023

ORIENTATION



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FIGURE 10.6.1

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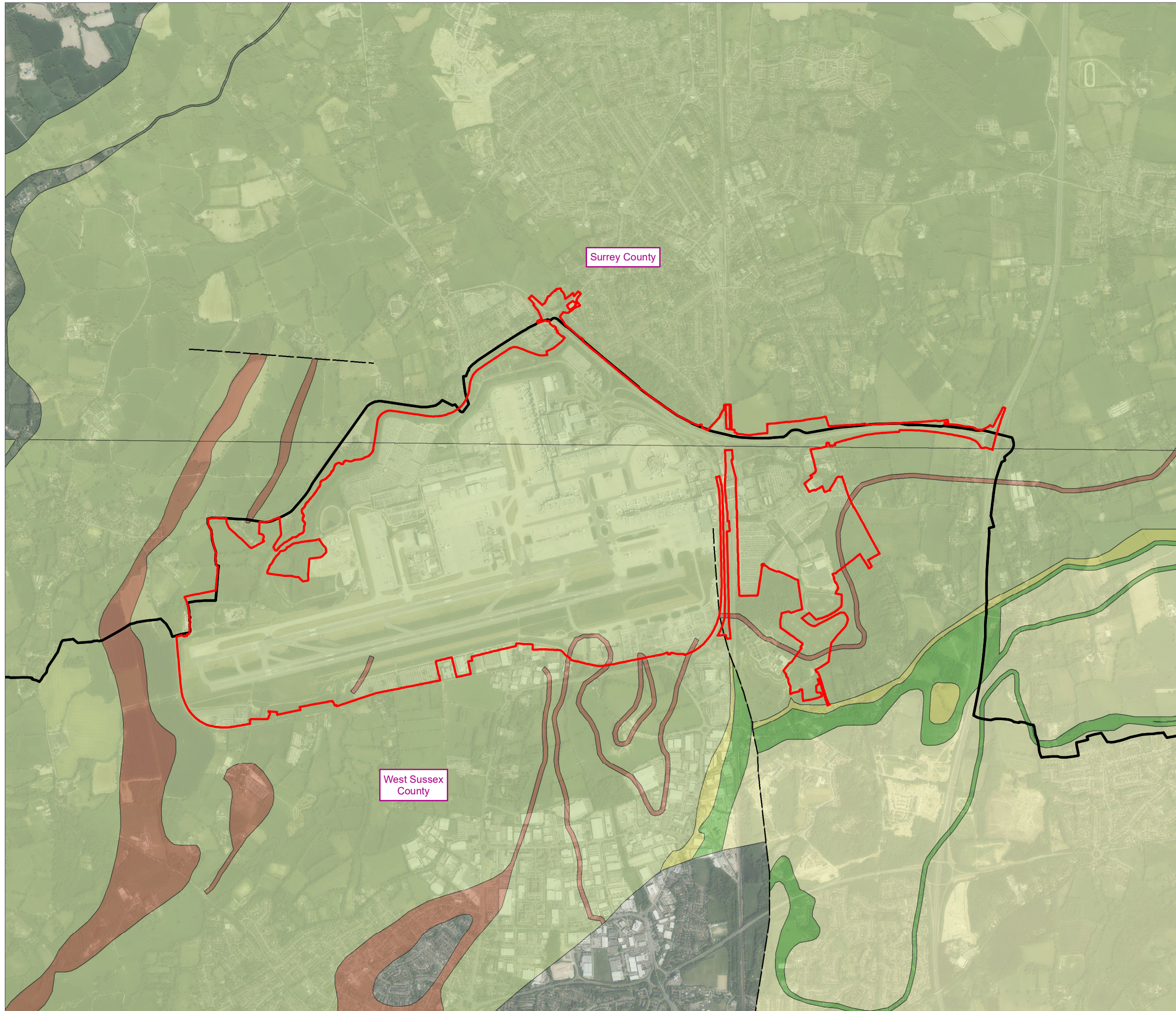
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Legend

- Project Site Boundary
- County Council Boundary
- Weald Clay Formation - Clay-ironstone
- Weald Clay Formation - Mudstone
- Upper Tunbridge Wells Sand - Mudstone
- Upper Tunbridge Wells Sand - Sandstone and mudstone
- Upper Tunbridge Wells Sand - Sandstone and siltstone, interbedded
- Fault Inferred, displacement unknown

DOCUMENT

Environmental Statement

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Bedrock Geology and Project Boundaries

DATE

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FIGURE 10.6.2

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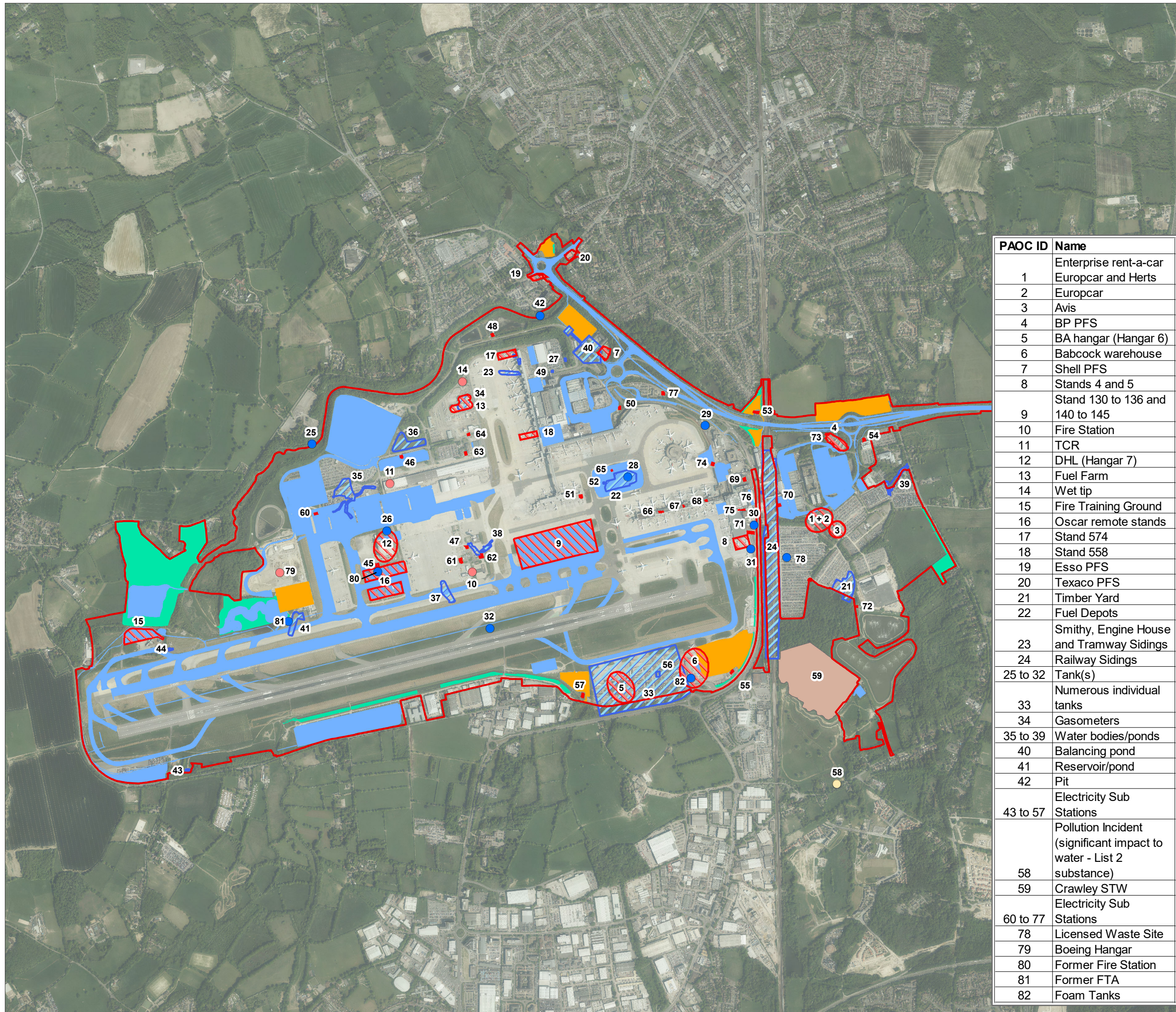
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Legend

- Project Site Boundary
- Compounds
- Environmental mitigation
- Permanent development

Potential Areas Of Concern (PAOC)

- Offsite Current PAOC
- Offsite Historical PAOC
- Onsite Current PAOC
- Onsite Historical PAOC

PAOC ID	Name
1	Enterprise rent-a-car
2	Europcar and Herts
3	Avis
4	BP PFS
5	BA hangar (Hangar 6)
6	Babcock warehouse
7	Shell PFS
8	Stands 4 and 5
9	Stand 130 to 136 and 140 to 145
10	Fire Station
11	TCR
12	DHL (Hangar 7)
13	Fuel Farm
14	Wet tip
15	Fire Training Ground
16	Oscar remote stands
17	Stand 574
18	Stand 558
19	Esso PFS
20	Texaco PFS
21	Timber Yard
22	Fuel Depots
23	Smithy, Engine House and Tramway Sidings
24	Railway Sidings
25 to 32	Tank(s)
33	Numerous individual tanks
34	Gasometers
35 to 39	Water bodies/ponds
40	Balancing pond
41	Reservoir/pond
42	Pit
43 to 57	Electricity Sub Stations
58	Pollution Incident (significant impact to water - List 2 substance)
59	Crawley STW
60 to 77	Electricity Sub Stations
78	Licensed Waste Site
79	Boeing Hangar
80	Former Fire Station
81	Former FTA
82	Foam Tanks

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Potential Areas of Concern

DATE

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FIGURE 10.6.3

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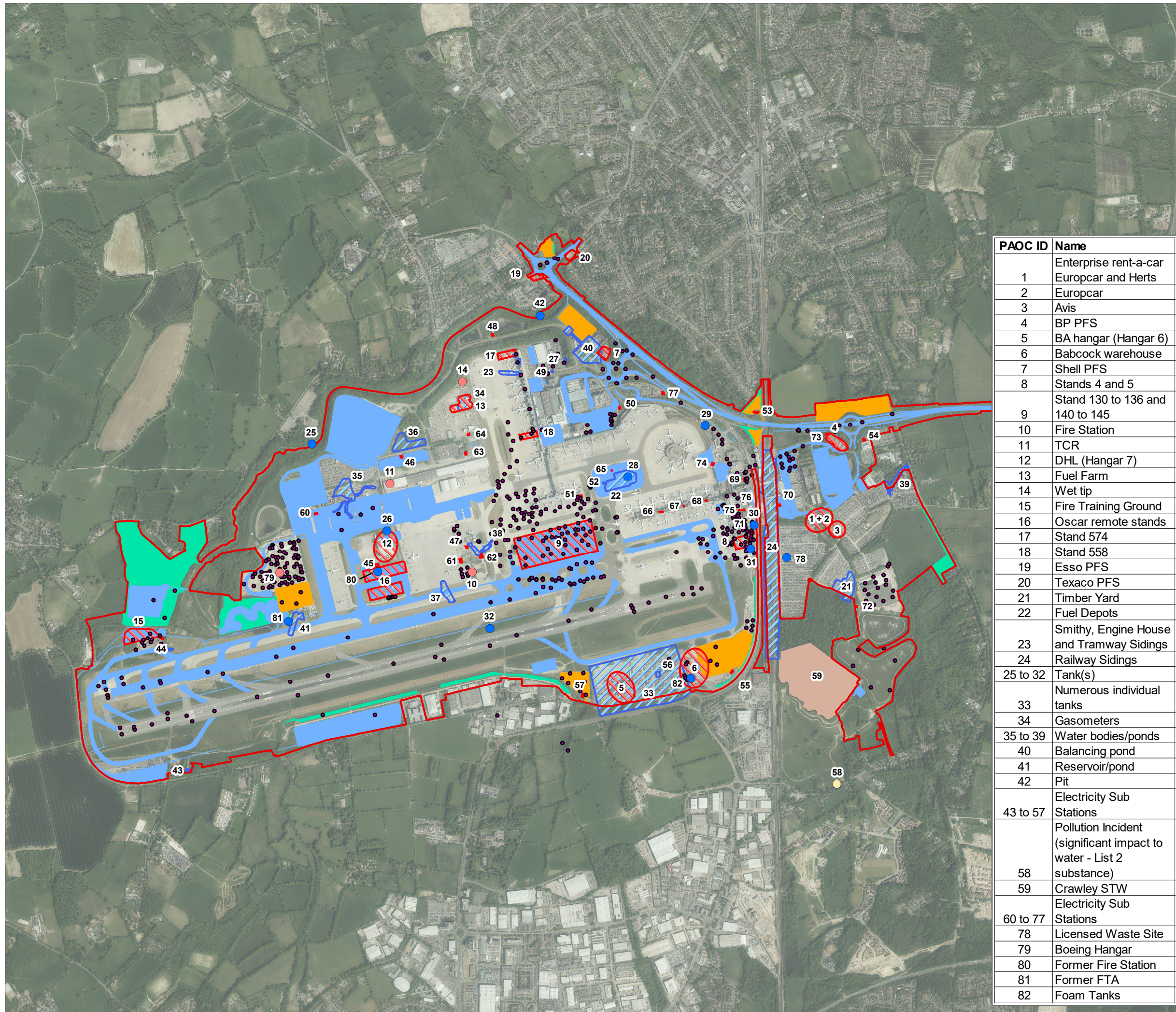
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Legend

- Project Site Boundary
- Compounds
- Environmental mitigation
- Permanent development
- Exploratory Holes

Potential Areas Of Concern (PAOC)

- Offsite Current PAOC
- Offsite Historical PAOC
- Onsite Current PAOC
- Onsite Historical PAOC

PAOC ID	Name
1	Enterprise rent-a-car Europcar and Herts
2	Europcar
3	Avis
4	BP PFS
5	BA hangar (Hangar 6)
6	Babcock warehouse
7	Shell PFS
8	Stands 4 and 5
9	Stand 130 to 136 and 140 to 145
10	Fire Station
11	TCR
12	DHL (Hangar 7)
13	Fuel Farm
14	Wet tip
15	Fire Training Ground
16	Oscar remote stands
17	Stand 574
18	Stand 558
19	Esso PFS
20	Texaco PFS
21	Timber Yard
22	Fuel Depots
23	Smithy, Engine House and Tramway Sidings
24	Railway Sidings
25 to 32	Tank(s)
33	Numerous individual tanks
34	Gasometers
35 to 39	Water bodies/ponds
40	Balancing pond
41	Reservoir/pond
42	Pit
43 to 57	Electricity Sub Stations
58	Pollution Incident (significant impact to water - List 2 substance)
59	Crawley STW
60 to 77	Electricity Sub Stations
78	Licensed Waste Site
79	Boeing Hangar
80	Former Fire Station
81	Former FTA
82	Foam Tanks

DOCUMENT

Environmental Statement

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Previous Ground Investigation Locations and Potential Areas of Concern

DATE

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FIGURE 10.6.4

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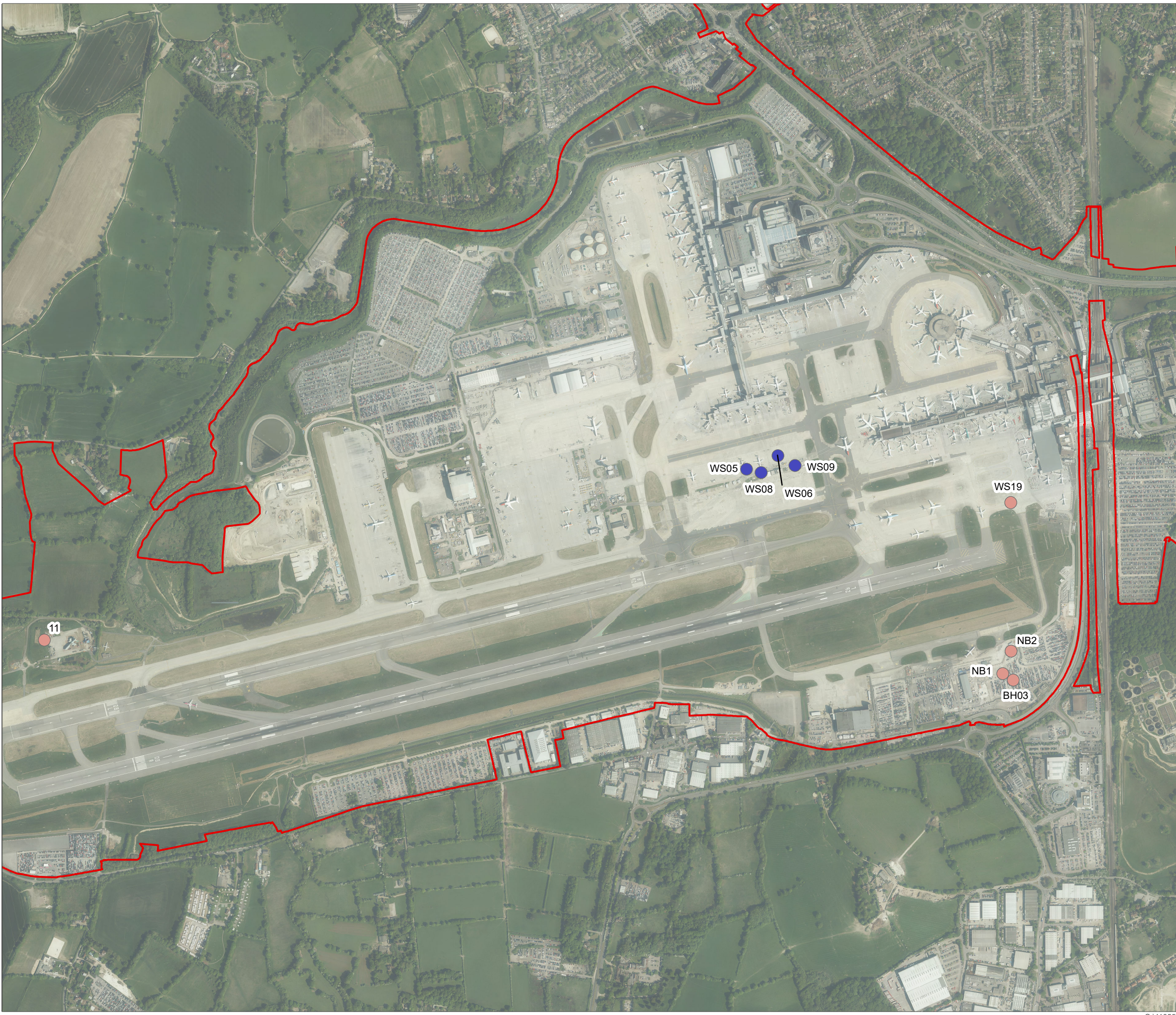
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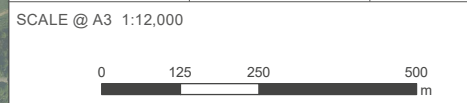
- Legend**
- Project Site Boundary
 - Exceedance Type**
 - Groundwater
 - Leachate

DOCUMENT
Environmental Statement

DRAWING TITLE
Soils and Groundwater Exceedances

DATE
July 2023

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