

## EIA Survey and Site Access requirements

Topic	Duration	Night Time
Land Quality	2 days	No
Heritage	1 day	No
Water	2 days	No
Ecology	60+ visits over 6-12 months, total depending on survey types	Yes

## Air Quality, Landscape and Visual Impact, Noise, Socio-Economic, Traffic & Transport

No requirements for site access to undertake surveys at present.

### Land Quality

**Specification the surveys to be carried out:**

A land quality Phase 1 desktop study, including a site walkover, is required to provide baseline information as part of the Land Quality ES Chapter for the EIA.

**Outline Methodology, including the need for any trial holes or other preparatory work:**

A site walkover of the Land, including inspection of areas previously or currently used for potentially contaminative uses, including fuel storage and use, hangars and workshops, aircraft breaking areas, formal and informal waste disposal areas will be conducted and photographs taken. Also includes current and historic building locations, buildings (e.g. hangars), current and historic fuel and antifreeze storage areas, fire training areas, waste disposal areas, any 'unusual' features (e.g. invasive plants, raised mounds, areas of vegetative stress, possible vent stacks, unusual grid patterns on the site surface, manholes and possible breather pipes etc.).

**Why and how the surveys are connected with the proposed Development Consent Order (DCO):**

The survey is to inform the issues associated with potential land contamination which will be required as part of the EIA to be produced in support of the DCO application.

**Timescale for the surveys and the overall period:**

2 consecutive days

**Statement of whether there is the need for any night-time (or other unusual times of the day) surveys and if so, explanation as to why:**

No

### Heritage

**Specification the surveys to be carried out:**

A walkover survey of the Land to be completed as part of the historic environment desk-based assessment.

**Outline Methodology, including the need for any trial holes or other preparatory work:**

Site visit will identify visible historic features and assess possible factors which may affect the survival or condition of known or potential historic environment assets on the Land. Photographs of historic features will be taken to document current state/level of survival.

**Why and how the surveys are connected with the proposed Development Consent Order (DCO):**

The EIA will need to identify historic features and assess whether these impacted by the proposed development, the historic environment desk-based assessment will be completed to provide the baseline data for the ES chapter.

**Timescale for the surveys and the overall period:**

1 day

**Statement of whether there is the need for any night-time (or other unusual times of the day) surveys and if so, explanation as to why:**

No

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## Ground & Surface Water

### **Specification the surveys to be carried out:**

Walkover survey to support the development of mitigation in the Flood Risk Assessment and ES chapter.

### **Outline Methodology, including the need for any trial holes or other preparatory work:**

Initial walkover survey.

### **Why and how the surveys are connected with the proposed Development Consent Order (DCO):**

In order to develop robust mitigation measures in the ES and FRA we need to have an appreciation of the local site topography, drainage paths and location of site infrastructure. This can only be achieved properly with a site visit.

### **Timescale for the surveys and the overall period:**

2 consecutive days.

### **Statement of whether there is the need for any night-time (or other unusual times of the day) surveys and if so, explanation as to why:**

No

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## Ecology (also see below)

### **Specification the surveys to be carried out:**

All baseline survey work for ecology must be undertaken to inform EIA. Need to understand status of any protected or otherwise notable species and habitats on site to inform assessment. All methods based on widely agreed approaches.

### **Outline Methodology, including the need for any trial holes or other preparatory work:**

Initial walkover of site will be required to complete Phase 1 habitat survey to produce written and photographic records of the habitats across the site and identify possible habitats that could support protected species.

### **Why and how the surveys are connected with the proposed Development Consent Order (DCO):**

In order to provide information on the current ecological baseline for the site as part of the production of the ES surveys are required to identify the habitats and protected species across the development site.

### **Timescale for the surveys and the overall period:**

5 consecutive days for Phase 1, possibly several days (for which different surveys will be combined where possible) for Phase 2, see below

### **Statement of whether there is the need for any night-time (or other unusual times of the day) surveys and if so, explanation as to why:**

Not for Phase 1 but likely for Phase 2, see below

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## Additional Ecological Surveys

Provided below is an indication of the nature of the ecological survey work required in order to support a DCO application for Manston Airport.

The species surveys are season dependant with some overlap in survey seasons, but different requirements for time of day, frequency of visits, and number of repeat visits; survey staff required to have species specific license to undertake survey. Works will be programmed to coincide as much as possible within the constraints outlined above.

	Method	Why? Agreed with Stat. Consultee?	Timescales?	Night time working
<b>Extended Phase 1 Survey</b>	Walkover survey – taking notes and mapping habitats	All baseline survey work for ecology must be undertaken to inform EIA. Need to understand status of any protected or otherwise notable species and habitats on site to inform assessment. All methods based on widely agreed approaches.	Single surveyor. Less than 5 days on site.	No
<b>Phase 2 Surveys</b>				
<b>Reptile Surveys</b>	Placement of refugia across all grassland and scrubby habitats. Checking refugia over 7 visits during summer time. Also general walkover and observations.	All baseline survey work for ecology must be undertaken to inform EIA. Need to understand status of any protected or otherwise notable species and habitats on site to inform assessment. All methods based on widely agreed approaches.	Minimum of 8 visits by 2 surveyors spread over summer period (April to September).	No but early morning visits (i.e. before 7am) may be necessary in the peak of the summer.
<b>Bird Surveys</b>	Walkover surveys using binoculars	All baseline survey work for ecology must be undertaken to inform EIA. Need to understand status of any protected or otherwise notable species and habitats on site to inform assessment. All methods based on widely agreed approaches.	Breeding bird surveys should run with minimum of 1 visit per month between April and June inclusive depending on site conditions. Wintering bird surveys usually comprise 2 visits per month over a 6 month period October to March inclusive.	Not likely to be required although very early morning surveys will be necessary.
<b>Bat Surveys</b>	Various – walkover transect surveys using detectors and recorders; placement of static recorders that are checked fortnightly;	All baseline survey work for ecology must be undertaken to inform EIA. Need to understand status of any protected or otherwise notable species and habitats on site to inform assessment. All methods based on widely agreed approaches.	Various but as a minimum visits will be required in early summer (May), mid summer (June/July) and late Summer (August/early September) with several surveyors	Yes. Essential to meet with standard practices.

	<b>Method</b>	<b>Why? Agreed with Stat. Consultee?</b>	<b>Timescales?</b>	<b>Night time working</b>
	infra-red cameras; internal inspections of buildings and mature trees.		(always minimum of 2) likely over several days/nights.	
<b>Badger surveys</b>	Walkover survey looking for field signs / evidence of presence.	All baseline survey work for ecology must be undertaken to inform EIA. Need to understand status of any protected or otherwise notable species and habitats on site to inform assessment. All methods based on widely agreed approaches.	Any time of year but ideally in spring or autumn when vegetation cover is at its lowest.	No