

BIO-SECURITY RISK ASSESSMENT

February 2021

1.0 Introduction

- 1.1 This Bio-security Risk Assessment be undertaken to minimise the risk of importing invasive or non-native species (INNS) to the site during the site preparation works and construction activities at Tension Control Bolts, Wrexham (Ordnance Survey grid reference: SJ 37036 49396).
- 1.2 This document has been prepared in accordance with the Bio-security Risk assessment (BioRA) Flow Chart issued by NRW for guidance. The purpose of the BioRA is to prevent, or reduce INNS risks in the short and long term.
- 1.3 The document tabulates those species that have been identified as having the potential to be imported during the construction phase of the project. The likely pathways and operational mitigation have also been identified.
- 1.4 This document will be appended to the contractors Construction Method Statement (or similar) for use on site.

2.0 INNS Baseline

Methods

- 2.1 The INNS baseline is informed by the following:
 - a. A data search carried out with Cofnod (the North Wales Environmental Information Service) for the site and the surrounding 2 kilometre radius;
 - b. A Phase 1 Habitat Survey carried out at the site in April 2019; and
 - c. A great crested newt population size class assessment survey (12 visits) carried out between mid-May and early June 2019.

Results

- 2.2 No records of INNS were reported by Cofnod for the site. The nearest INNS record was for Canada goose located 382 metres from the site.
- 2.3 No INNS were detected at the site during the ecological surveys carried out in 2019.

3.0 Description of Approved Works and Identification of Potential Pathways for Introduction of INNS to the Site

Description of Approved Works

- 3.1 The approved works comprise the construction of three extensions to two existing warehouse buildings at the site. The site is located within the Wrexham Industrial Estate.
- 3.2 The works comprise the erection of steel frame extensions followed by installation of cladding on the elevation walls and roof. The hard-standing area around the extended buildings will be extended to provide additional car parking and yard areas.
- 3.3 As part of the great crested newt mitigation strategy one new hibernaculum will be constructed to the north-west of Pond 1 (the known GCN breeding pond).
- 3.4 Works to the existing GCN pond (Pond 1) on site are required to increase its capacity; this will involve the excavation of the pond to a deeper profile with the use of an excavator.

Potential Pathways for Introduction of INNS

- 3.5 INNS may be brought to the site by the following pathways:
 - a. On machinery / plant;
 - b. Amongst the materials to be imported to site to construct the hibernaculum;
 - c. On the boots of contractors / ecologists operating at the site;
 - d. In construction materials.
- 3.6 It is confirmed that no landscape planting is proposed at the site.

4.0 Bio-security Risk Assessment

A. Aquatic Habitats	Are aquatic habitats present on site?	Yes	Pond 1
	Are aquatic habitats proposed as part of development including mitigation or compensation scheme?	No	-
1. Assessment of presence	Are invasive species recorded at pond	No	Invasive species have not been identified on site to date.
2. If present, which species?	Species	Presence	Risk
	INNS on site	No	No risk from on site
	<i>Risk of the following:</i>		
	Parrot's-feather (<i>Myriophyllum aquaticum</i>)	No	Yes
	Pennywort, Floating (<i>Hydrocotyle ranunculoides</i>)	No	Yes
	Stonecrop, Australian swamp (<i>Crassula helmsii</i>)	No	Yes
	Water hyacinth (<i>Eichornia crassipes</i>)	No	Yes
	Water Primrose (<i>Ludwigia peploides</i> , <i>Ludwigia uruguayensis</i> (= <i>L. grandiflora</i>))	No	Yes
	Waterweed, Canadian (<i>Elodea canadensis</i>)	No	Yes
	Waterweed, Curly (<i>Lagarosiphon major</i>)	No	Yes
	Waterweed, Nuttall's (<i>Elodea nuttallii</i>)	No	Yes
	Waterweeds (other Elodea) (<i>Elodea</i> spp.)	No	Yes
	Least duckweed (<i>Lemna minuscula</i>)	No	Yes
B. Surveys: Numbers of ponds and geographical extent	Total No. of Ponds to be Surveyed Per annum	1 – 10	Not applicable
		11-20	
		21+	
	Geographical Extent of all Surveys carried out per annum	0-1 Km ²	Not applicable
		1-10 Km ²	
		11+ Km ²	

C. Terrestrial Habitats	Are terrestrial habitats present on site?	Yes	-
	Are plant INNS present on site?	No	Based on Cofnod data search and Phase 1 Habitat Survey carried out in 2019.
	If yes: State Species	N/A	N/A
	Does the scheme include the removal of soils or any other materials?	Yes	Yes.
	If yes, please state reception area(s) If known?	Yes	All arisings to be retained on site. Will not be deposited within the Ecological Mitigation Zone.
	Do site visitors, workers including contractors, sub contractors, and their vehicles work on or visit other sites where INNS are present or likely to be present?	No	Possibly. All site compounds, welfare facilities and car parks are on hard-standing.

	Are procedures in place to reduce risks of accidental spread of INNS?	Yes If yes, please state actions If no, please confirm why procedures are not required	Machinery to be brought to site will be clean and clear of any soil or plant material. Temporary amphibian fencing (TAF) to comprise use of new materials (for example re-use of timber stakes from another site will not be permitted). Contractors / site manager must not accept any machinery / plant that is not clean. All machinery / plant to operate only within the identified construction zone and not within the Ecological Mitigation Zone to the west. The source of the material (i.e. inert rubble) to be brought to the site to construct the hibernaculum must be clear of soil, plant and organic material. Soil to be used to cover the hibernaculum will comprise soil removed from beneath the location of the hibernaculum (topsoil or other materials will not be brought to site).
	Does the scheme include any landscaping?	Yes / No	No
	Does the landscaping scheme include planting invasive non native species?	Yes/No If yes which ones	N/A

5.0 Document Control

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