

GCRE: Global Centre for Rail Excellence - Phase 1A

Invasive Non-Native Plant Species Management and Treatment Plan

Global Centre for Rail Excellence (GCRE)

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Notice

This document and its contents have been prepared and are intended solely as information and use in relation to the Management and Treatment of Invasive Non-Native Plant Species within the Global Centre for Rail Excellence site Phase 1A

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This document has [9]9 pages including the cover.

Document history

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Executive Summary

The present document represents the Invasive Non-native Species Management and Treatment Plan within the washery site for the Phase 1A works only to facilitate the construction of Phase 1A sidings. The purpose of this document is to manage the removal and prevent the spread of the Invasive Non-Native Plant Species, and support the Construction Phase Environmental Management Plan.

This document will be updated as required by pre-construction walk over surveys to ensure any evidence of new plants or spread of existing plants are correctly surveyed and will be used as the basis of site specific Method Statements and Risk Assessments.

This document will be updated throughout the project for Phase 2A works and the Complementary Earthworks Scheme.

This document will be updated should any findings of Invasive Non-native Species be discovered.

Guidance

These works will be carried out in accordance with guidance documents:

NRW Guidance and Advice on Japanese Knotweed [Natural Resources Wales / Japanese knotweed: what you need to know](#)

Welsh Government Advice on weeds and non-native species [Harmful \(injurious\) weeds and invasive non-native species | Sub-topic | GOV.WALES](#)

Japanese Knotweed (GB Non-Native Species Secretariat 2016) [Japanese Knotweed » NNSS \(nonnativespecies.org\)](#)

Managing Invasive Non-native Plants (Environment Agency 2010) [Fact Sheet \(wlma.org.uk\)](#)

1. Invasive Non-native Plant Species

1.1. Introduction

A Construction Environmental Management Plan (CEMP) is required to support the discharge of Planning Condition No11. A CEMP document specifically for Phase 1A has been produced by Atkins.

As part of the CEMP-Phase 1A document, an Invasive Non-Native Plant (INNPS) Management Plan is required.

This INNPS document has been produced to manage the removal and prevent the spread of the known INNPS, and to support the CEMP-Phase 1A document.

An Ecological Protection Plan (EPP) is required to support the discharge of Planning Condition No13. An EPP document has been produced by Dalcour Maclaren and has been used to inform this INNPS document.

Prior to any works on site, a site walkover will be undertaken by the Ecological Clerk of Works (ECoW) to establish the locations of the INNPS identified within the EPP, and to establish whether further INNPS have established within the site.

1.2. INNPS identification

The INNPS identified through the Dalcour Maclaren site surveys have been summarised within their EPP document, and summarised in Figure 1 included within Appendix 2 of the document.

The Schedule 9 invasive plants include;

- *Cotoneaster bullatus*
- *Cotoneaster horizontalis*
- *Cotoneaster integrifolius*
- *Cotoneaster simonsii*
- *Crocosmia crocosmiiflora*
- *Fallopia japonica*
- *Rosa rugosa*

An extract from the EPP document is included within Appendix 1 and shows the location of the above species within Phase 1A of the proposed works.

The location of the INNPS within the EPP document will be verified by a site walkover by the ECoW before the Phase 1A earthworks commence. The ECoW will also undertake a pre-construction survey to ensure no further INNPS species have established themselves.

1.3. INNPS Segregation

Once the INNPS species are identified protection fencing and signage will be erected around the known INNPS plants.

Toolbox talks will be given to the workforce and visitors to warn of the presence of INNPS and not to remove or encroach within the fenced areas.

1.4. INNPS removal

The INNPS species will be excavated, loaded and removed from the works to an offsite licensed landfill site, accompanied by appropriate Waste Transfer documentation, and must comply with section 34 of the Environmental Protection Act 1990. The plant material and soils will be treated as contaminated waste.

This excavation and removal operation will be undertaken under the supervision of the ECoW to establish all the root systems and rhizomes have been removed.

Control measures will be put into place for the excavation and removal which will include;

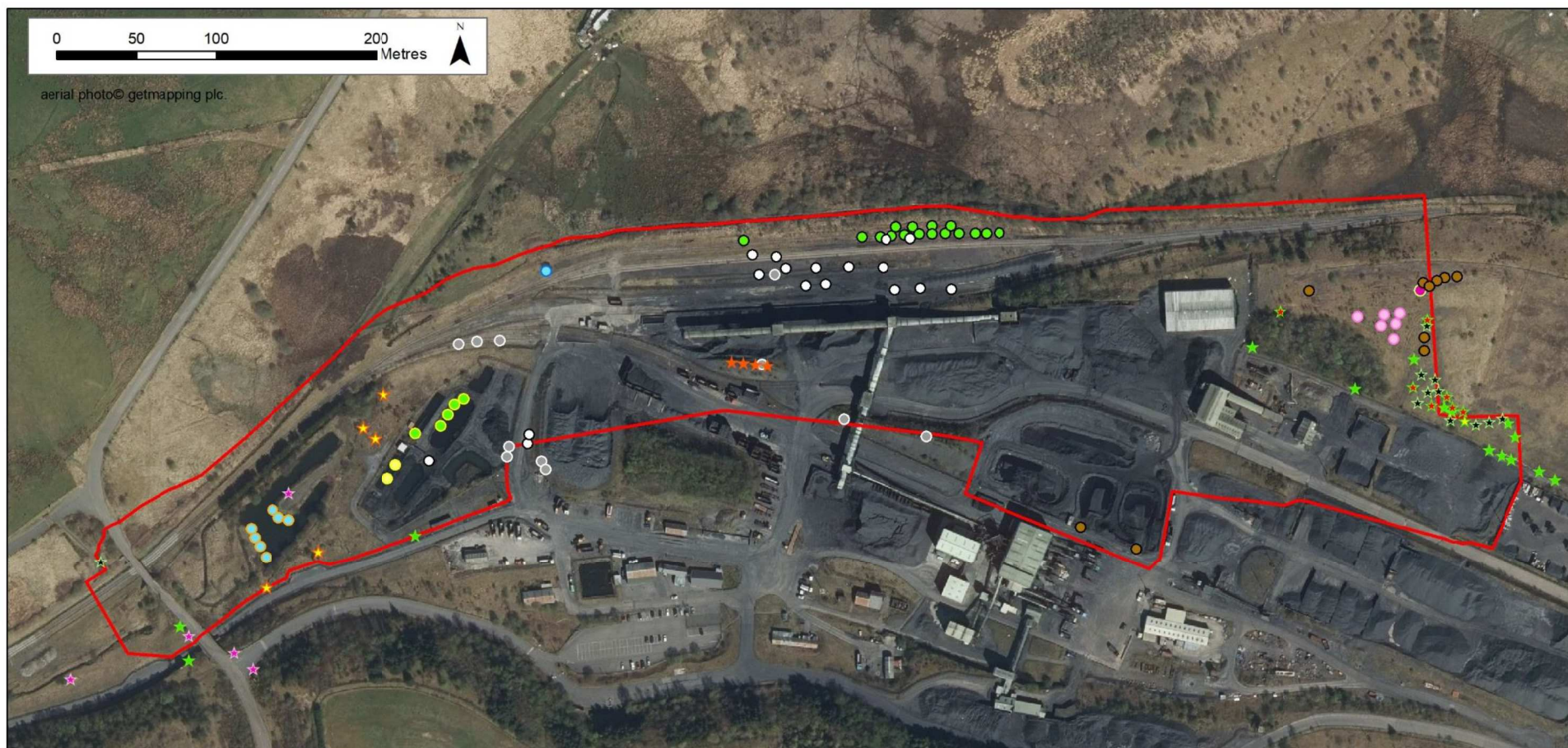
- Working areas will be fenced off prior to the start of any remediation measures commencing.
- The surrounding area will be checked to ensure no surface water run-off will enter any surrounding water courses.
- Works will not be undertaken during adverse rainy conditions.
- If conditions are dry, water mist will be spread over the area to prevent the migration of dust.
- The transportation of any material will be undertaken under sheeted loads.
- Wheel washing facilities will be provided to prevent contaminated soils being spread from the site on site vehicles wheels.
- Excavators will be washed down prior to commencing works elsewhere.
- Operatives will wash down boots prior to leaving any contaminated areas.
- All wash down water will be controlled, collected and discharged into an existing lagoon within the washery facility

1.5. Verification

The ECoW will verify all the INNPS root system has been removed prior to the excavation backfill and fence removal.

Waster facility transfer notes will be included within the Site Waste Management Plan

Appendix 1 – Dalcour Maclaren; Figure 1. Location of notable and invasive species in Phase 1A area



Notable plants

- | | |
|-------------------------------------|-----------------------------------|
| ● <i>Carex disticha</i> | ● <i>Ophrys apifera</i> |
| ● <i>Logfia minima</i> | ○ <i>Sagina nodosa</i> |
| ● <i>Mentha pulegium</i> | ● <i>Samolus valerandi</i> |
| ● <i>Myriophyllum alterniflorum</i> | ● <i>Sparganium angustifolium</i> |
| ● <i>Myriophyllum spicatum</i> | ● <i>Zannichellia palustris</i> |

Schedule 9 invasive plants

- | | |
|------------------------------------|----------------------------------|
| ★ <i>Cotoneaster bullatus</i> | ★ <i>Crocsmia crocosmiiflora</i> |
| ★ <i>Cotoneaster horizontalis</i> | ★ <i>Fallopia japonica</i> |
| ★ <i>Cotoneaster integrifolius</i> | ★ <i>Rosa rugosa</i> |
| ★ <i>Cotoneaster simonsii</i> | |

Figure 1. Location of notable and invasive species in Phase 1A area

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