

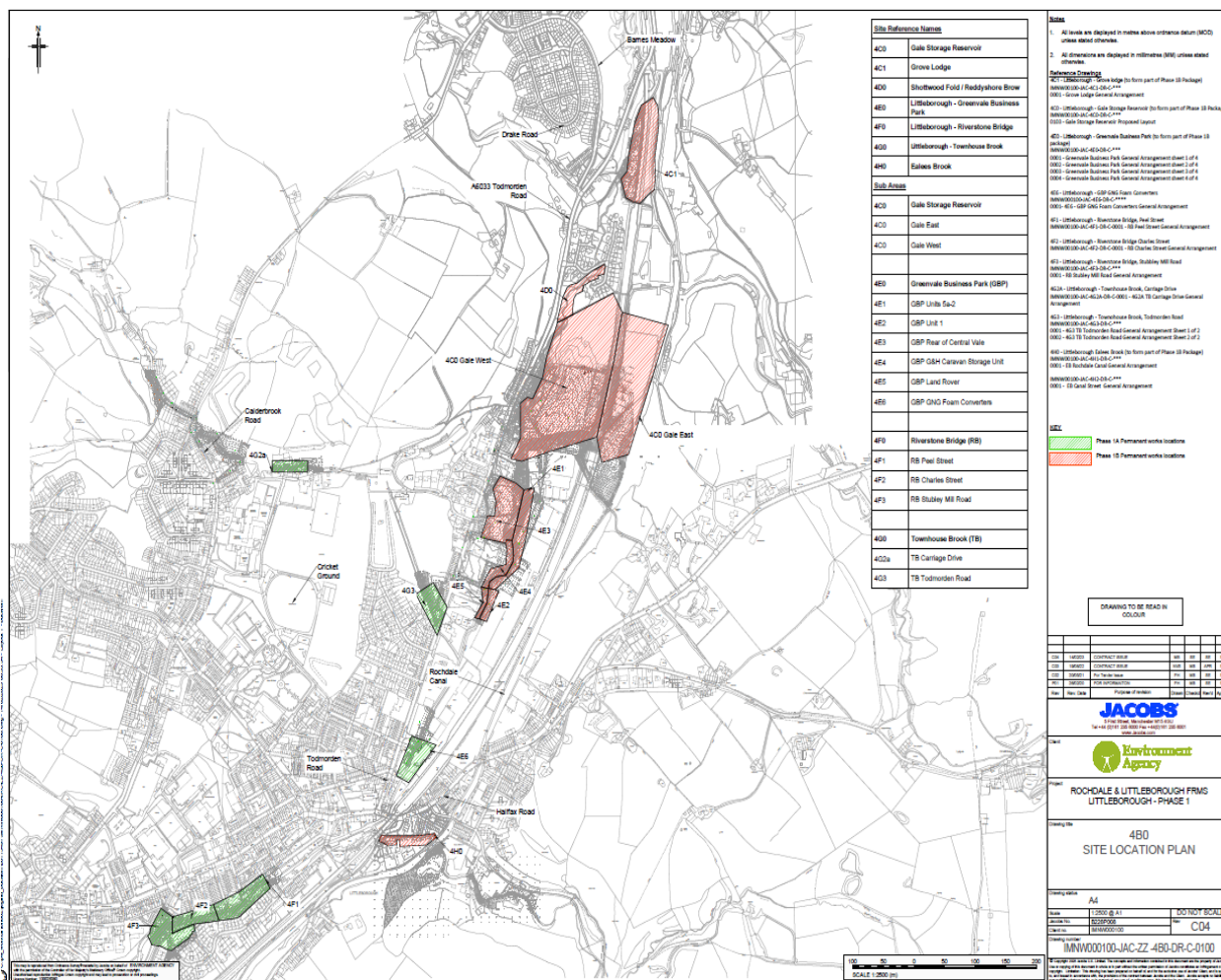
VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
Business Unit: VolkerStevin		Contract No. & Name: C13583 – Phase 1B Invasive Species RAMS					

TBC-VSL-00-ZZ-RA-W-0001 - VolkerStevin RAMS -

Removal of Invasive Species Example

Littleborough Phase 1B Works

June 2023



Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3 Page 1 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
Location and scope of Works:	Removal of Invasive Species RAMS example – Phase 1B Site Wide				
Start date:		Anticipated completion date:			

APPROVAL & AMENDMENT RECORD						
Rev	Prepared by		Date	Reviewed / Approved by		Amendment Details
A	Name	J Melody	May 2023	Name	J Melody	First issue
	Signature			Signature		

REVIEW / CHANGE LOG			
Date	Reviewer	Comments	Rev No.

Personnel consulted during preparation of this document:	James Melody (VS Project Manager)
--	---

DISTRIBUTION LIST:		
Name	Company	Position

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements		
Approved for IMS:	IMS Manager		Document owner:	CR Director	Workspace file:	11.3	Page 2 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick
✓

VolkerFitzpatrick-Rail
Use R14

VolkerRail
✓

VolkerStevin
✓

VolkerHighways
✓

VolkerLaser
✓

PJD
n/a

VolkerServices
✓

RISK ASSESSMENT for:		Removal of Invasive Species RAMS example – Phase 1B			RAMS Ref.:	Phase1B Example 002	Rev:	A
No.	Hazard	Person(s) at Risk	Undesired event	Control Measures (List control measures that are required)		Actioned by	Date	
1	Public Interface	All	- Pedestrian entering the working areas - Pedestrian being stuck by moving plant/vehicles - Plant or machines striking buildings or properties - Public vehicles colliding with site vehicles or plant	- Ensure crowd barriers are installed around the trial hole locations for extra security. Erect plenty of safety signage to inform pedestrians of the dangers. - Banksman to be present at all times when plant movements are in operation. Take your time when travelling with plant on shared access routes. - Again, Banksman present at all times. Care to be taken when manoeuvring plant. Delap survey to be carried out prior to works commencing. - Planned to travel to be carried out with banksman. If required stop traffic until the plant has reached the location or stop plant and let other vehicles pass safely.				
2	Cutting Plants	Workforce Involved	Injuries to Operatives. Spreading of the plants from the seeds	Operative to be competent to use the cutting tools. Operative to be made aware of their surroundings. Wash Stations to be set up at the entrances of all the contaminated areas. All plants to be placed in an enclosed skip to prevent spreading. Any stockpiles to be covered over to prevent anything seeds being blown around site.				
3	Working within River Channel	Workforce Involved	- Flash Flood. - Falling into low level channel.	All operative will be briefed each day on weather conditions / flood alerts and				

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements			
Approved for IMS:	IMS Manager			Document owner:	CR Director	Workspace file:	11.3	Page 3 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick
✓

VolkerFitzpatrick-Rail
Use R14

VolkerRail
✓

VolkerStevin
✓

VolkerHighways
✓

VolkerLaser
✓

PJD
n/a

VolkerServices
✓

RISK ASSESSMENT for:		Removal of Invasive Species RAMS example – Phase 1B			RAMS Ref.:	Phase1B Example 002	Rev:	A
No.	Hazard	Person(s) at Risk	Undesired event	Control Measures (List control measures that are required)		Actioned by	Date	
			- Obstructing water flow. - Drowning.	emergency procedures. Access scaffold will be in place at all times while operatives are within the channel. Water levels will be monitored & if the level nears the top of the low flow channel operatives will exit immediately. 2. The low-level channel will be fenced with posts and barrier tape at all times when operatives are working in the channel to prevent accidental entry. 3. No equipment or materials will be left in the channel overnight except temporary works falsework scheme. The access ladder will be lifted out of the channel when not in use. All operatives will be trained via a toolbox talk in emergency procedures in the case of flooding.				
4	Samples to be treated as hazardous	Workforce Involved	Contamination	Samples to be sealed and wiped down before removal from site and placed in plastic bin liners when being transported to the laboratory. Samples to be treated as hazardous in the lab and disposed of by specialist waste carriers.				
5	Lifting and manual handling	Workforce Involved	Muscular skeletal injuries	Good digging techniques to be deployed. Share the hard ground digging with a team member. Take regular breaks.				

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements			
Approved for IMS:	IMS Manager			Document owner:	CR Director	Workspace file:	11.3	Page 4 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick
✓

VolkerFitzpatrick-Rail
Use R14

VolkerRail
✓

VolkerStevin
✓

VolkerHighways
✓

VolkerLaser
✓

PJD
n/a

VolkerServices
✓

RISK ASSESSMENT for:		Removal of Invasive Species RAMS example – Phase 1B			RAMS Ref.:	Phase1B Example 002	Rev:	A
No.	Hazard	Person(s) at Risk	Undesired event	Control Measures <i>(List control measures that are required)</i>		Actioned by	Date	
6	Wash down plant and tracks before moving off	Workforce Involved & Site Visitors	Spreading of seeds	The plant must be washed by hand brush rather than jet washed, to prevent accidental dispersal of seeds. Water to be disposed of at the completed working location.				
7	Environmental Hazards	Workforce Involved & Site Visitors	Leptospirosis (Weil's Disease)	Information provided by VS regarding the risk of contracting this disease in their working environment. Good personnel hygiene is required and washing facilities with barrier and protective creams is provided in the welfare van.				
8	Slips, trips and falls	Operative, Team Member	Sprains, strains and fractures	- Promote culture of good housekeeping and keep site clean and dry. - Wear appropriately protective footwear with good grip and providing support to ankles. Mid sole protection footwear must be used. No rigger boots allowed on-site. - If ground conditions are considered too hazardous due to wet or slippery ground seek advice from a VS Supervisor. Do not work close to unprotected edges of Abutments or Retaining Walls without further safety measure being put into place.				

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements			
Approved for IMS:	IMS Manager			Document owner:	CR Director	Workspace file:	11.3	Page 5 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

 VolkerFitzpatrick
✓

 VolkerFitzpatrick-Rail
Use R14

 VolkerRail
✓

 VolkerStevin
✓

 VolkerHighways
✓

 VolkerLaser
✓

 PJD
n/a

 VolkerServices
✓

RISK ASSESSMENT for:		Removal of Invasive Species RAMS example – Phase 1B			RAMS Ref.:	Phase1B Example 002	Rev:	A
No.	Hazard	Person(s) at Risk	Undesired event	Control Measures <i>(List control measures that are required)</i>		Actioned by	Date	
9	Working near water	Workforce Involved & Site Visitors	Drowning	- Lone working not permitted - All operatives to be briefed on risks associated with water - Use operatives who are confident in the environment No unauthorised people in the area.				

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements			
Approved for IMS:	IMS Manager			Document owner:	CR Director	Workspace file:	11.3	Page 6 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
METHOD STATEMENT					
PERSONNEL REQUIRED					
Give the number and role of personnel required to carry out activity - including any specific skills, fitness levels, training or qualifications required.					
No. of	Role	Qualifications / Experience required			

ASSOCIATED DOCUMENTS:			
	Required		Location of document if not attached to this RAMS
	Yes	No	
COSHH Assessment Ref. (ensure those carrying out activity have signed on to COSHH assessment)	✓	☐	Please see Site Office Folder
Lift Plan (Non-routine) H55-03 / R07	☐	☐	
Rescue Plan (for working at height):	☐	☐	
Other Documents: (such as drawings, sketches, consents, licenses, etc.)	✓	☐	ENVIMNW00100-JAC-ZZ-4B0-RP-EN-1214 Invasive Non-Native Species Management Plan

PERMITS / PLANS REQUIRED <i>Indicate those that apply or add other contract specific permits</i>							
Permit to Break Ground H14-01 / H14-01R	Hot Works Permit HSE-27	Confined Space Permit HSE-21	Routine Lift Plan H55-03 / R07	Permit to Operate Plant H09-09	Work Near Power Lines H14-08	Temporary Works Q25*	Permit to Pump EMS-29
✓	☐	☐	☐	✓	☐	☐	☐

* Business unit specific

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
RESOURCES REQUIRED					
Operated Plant					
- Excavator 6t Dual View Dumper with Proximity Sensors - Generator - Licensed Skip - Transit Pickup					
Non-Operated Plant / Small Tools / Equipment					
- Insulated shovels - Crowd Barriers where removals are undertaken - Visqueen to heap excavated spoil into - Chapter 8 Traffic Management Signage - CAT Scanner + Genny					

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements	
Approved for IMS:	IMS Manager		Document owner:	CR Director	Workspace file:	11.3 Page 7 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A		
RESOURCES REQUIRED							
Spill Kits X2 per working location							
Materials							
N/A							

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:					
SEQUENCE OF ACTIVITIES / SAFE SYSTEM OF WORK <i>(to include access / egress, plant & pedestrian segregation, limitations & constraints and state any HOLD POINTS)</i>					Hold Point
Types of Invasive Species – Phase 1B					
Japanese Knotweed					
 Japanese Knotweed is a tall, perennial, non-native and invasive species, which was introduced to Britain in 1825 as an ornamental plant. The species has now become established over much of the UK, and is commonly found along watercourses, road verges, railway embankments, and on waste ground (Booly et al., 2008). Japanese knotweed is a green leaved plant which grows up to 3m tall. It has shield-shaped leaves with a flattened base and creamy white flowers. The stems of Japanese knotweed are hollow and are green with red speckles in the summer and orange/brown in winter. It often forms dense bushes of bamboo -like stems. In winter it dies back, sometimes leaving standing dead canes. The plant spreads entirely by rhizomes and even a small fragment of rhizome can regenerate new plants. The underground rhizome system may reach a depth of 3m and extend up to 7m away from a parent plant. Rhizomes range from 5 to 100mm in diameter and are reddish to dark brown on the outside and a distinctive orange colour on the inside. Works in an area containing Japanese knotweed can cause further spread of Japanese knotweed through disturbance of the plant (and its root system) by movement of people and machinery.					

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements		
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3	Page 8 of 19	

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick
✓

VolkerFitzpatrick-Rail
use R14

VolkerRail
n/a

VolkerStevin
✓

VolkerHighways
✓

VolkerLaser
✓

PJD
n/a

VolkerServices
✓

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:

Himalayn Balsam



Himalayan balsam is an annual species that grows up to 3m in height, with characteristic bright pink flowers and is found primarily on riverbanks. Flowers can range from white to purple and appear from June to October.

Himalayan balsam reproduces by seeds, which remain viable in the seed bank for at least two years (Booly et al., 2008).

Himalayan balsam forms dense stands on the riverbanks which then die back over winter, consequently encouraging river-bank erosion. Himalayan balsam can also reduce biodiversity by increasing shading for other species.

Rhododendron



Rhododendron is an invasive non-native woody shrub species. It was first introduced in the late 18th Century and was planted for its ornamental value and as cover for game (Booly et al., 2008).

Rhododendron reduces the biodiversity value of a site and hinders woodland regeneration. Rhododendron can also act as a host for the fungus-like pathogen *Phytophthora ramorum* (otherwise known as Sudden Oak Death). Rhododendron has the potential to spread this virulent plant disease which negatively impacts woodland structure and biodiversity.

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements		
Approved for IMS:	IMS Manager		Document owner:	CR Director	Workspace file:	11.3	Page 9 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick
✓

VolkerFitzpatrick-Rail
use R14

VolkerRail
n/a

VolkerStevin
✓

VolkerHighways
✓

VolkerLaser
✓

PJD
n/a

VolkerServices
✓

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:

Japanese Rose



Japanese rose is a species native to East Asia and has been growing in the UK since the mid 19th century, often planted in gardens and parks. It has the ability to spread via seeds which are distributed by birds and mammals, and the plant suckers readily forming dense thickets (Booly et al., 2008).

Japanese rose is capable of forming dense thickets where few other plants can grow, and can invade valued natural and semi-natural habitats.

Cotoneaster



Cotoneaster are a family of deciduous to semi-evergreen procumbent and upright shrubs bearing small green leaves and small pink to white flowers in May followed by red fruits in the autumn (Booly et al., 2008).

It is spread in the wild through seeds which are spread through bird droppings after birds have fed on the berries. Cotoneaster are commonly used as cover planting in urban environments around buildings and driveways, and also planted in Invasive Non-Native Species Management Plan

- [ENVIMNW00100-JAC-ZZ-4B0-RP-EN-1214 6](#)

There are over 100 cotoneaster species known to be present in the UK, however only the six most common and widespread are listed as Schedule 9 species. When it invades semi-natural habitats of high conservation value it can spread rapidly and outcompete native vegetation.

Location of Invasive Species On-Site

Himalayan balsam

Himalayan balsam was noted throughout the 2017 survey area.
Himalayan balsam was recorded throughout the survey area at Grove Lodge.
Himalayan balsam was recorded on the banks of Ealees Brook.

Japanese knotweed

Japanese knotweed was noted within the Gale West area.

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements		
Approved for IMS:	IMS Manager		Document owner:	CR Director	Workspace file:	11.3	Page 10 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:

Rhododendron

Recorded in low frequencies within the Littleborough

Rhododendron was recorded within Gale East and west of Gale West.

Japanese rose

Recorded within the Littleborough Works Extent, Gale, only.

Cotoneaster Rarely recorded and was mostly planted near housing developments.

PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:

SEQUENCE OF ACTIVITIES / SAFE SYSTEM OF WORK

(to include access / egress, plant & pedestrian segregation, limitations & constraints and state any HOLD POINTS)

**Hold
Point**

A Safe Place of Work – Access/Egress

1.	Access and egress to any of the working areas will be via the public highway and footpaths. Access into these trial hole locations can be accessed from the Todmorden Road, Littleborough. Please NOTE that this is the only access/egress road to the working area. Access and egress to any of the Zones will be via the public highway and footpaths; however, each of our work sections will be securely fenced off and equipped with traffic and pedestrian gates. All employees will be must upon entry to any of the areas close and lock the gates behind them. Please also see attached TMP showing the access and egress points to the work section. Access / Egress into the channel shall be by use of a secured ladder. We shall only enter the channel when the water is at low level and there isn't a risk of a flood event. Polite Notice Please ensure that no foul language is used at ANY time whilst undertaking these works. Due to the sensitivity of the working location, we ask that respect and decency must be maintained at all times.	
2.	Upon entering the work sections, please ensure you stick to the designated routes. Such routes will be clearly defined with the use of pedestrian barrier. If your works are in the vicinity of a working machine then you must ensure you get the attention of the driver and his banksman in line with Volker Stevin's 'Thumbs Up' procedure as briefed in the induction prior to commencement.	
3.	- All Operatives / Site staff to receive a full induction - Correct PPE to be worn - All competency documents to be checked. No CSCS no access onto site - Before works can commence the Site team shall be briefed on this method statement and risk assessment - Daily Task Briefing sheet to be filled in by General Foreman to identify daily risks	

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3 Page 11 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:

	- Toolbox Talks on all invasive species to be briefed so the operatives and site personnel know what they are dealing with in each location - A 20 yard roll on/roll off skip which will be supplied by VS will be lined with terram and shall be used to store all invasive species and contaminated soils to prevent the seeds from being blown around site and ultimately spreading the plants. The skip will then be sent to an appropriate licenced tip with a WTN which will be issued by the suppliers of the skip. In this instance it will be ecoefficiency. - All invasive species will be placed onto a transit pickup which will be lined with terram and covered and transported to the main site compound with the transit pickup OR will be placed into 1T bags and transported using the transit pickup which will then be placed in the 20 yard roll on/roll off awaiting removal from site to an appropriate licensed land fill tip with a WTN which will be issued by the suppliers of the skip. In this instance it will be ecoefficiency and the WTN will be kept on record on-site in the SWMP. - All licenses shall be checked prior to being removed from site - Wash stations are to be set up next to the entrances of all the contaminated areas; such as wheel washes, jet washes for boots, buckets and tools. This is to help prevent anymore areas being contaminated (The type of wash stations to be used is to be identified by our Environmental Manager)	
--	--	--

Method for Removal of Japanese Knotweed :

4.	- Areas to be identified by an Competent Person - Correct PPE to be worn - The stem of the knotweed is to be cut at ground level, an appropriate cutting tool shall be used to make sure that all the cuts are clean and no stems can be left behind, Japanese knotweed and grow again from the smallest stem by JKS (Sub Contractor) - The stems of the knotweed are to be placed in the muck skip which is placed inside the channel of the river. Once full the muck skip will be removed from the channel and the invasive species will be placed onto a transit pickup which will be lined with terram and covered and transported to the main site compound with the transit pickup OR will be placed into 1T bags and transported using the transit pickup which will then be placed in the 20 yard roll on/roll off awaiting removal from site to an appropriate licensed land fill tip with a WTN which will be issued by the suppliers of the skip. In this instance it will be ecoefficiency and the WTN will be kept on record on-site in the SWMP. Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - - Method of Removal of Himalayan Balsam : - Areas to be identified by an Competent Person - Correct PPE to be worn - The stem of the Balsam is to be pulled at ground level, where appropriate.	
----	--	--

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3 Page 12 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:

	- The stems of the Balsam are to be placed in the muck skip which is placed inside the channel of the river. Once full the muck skip will be removed from the channel and the invasive species will be placed onto a transit pickup which will be lined with terram and covered and transported to the main site compound with the transit pickup OR will be placed into 1T bags and transported using the transit pickup which will then be placed in the 20 yard roll on/roll off awaiting removal from site to an appropriate licensed land fill tip with a WTN which will be issued by the suppliers of the skip. In this instance it will be ecoefficiency and the WTN will be kept on record on-site in the SWMP. Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - - If the Channel very susceptible to rapidly increasing water level due to heavy down pours restricting working times in this area. Weather forecast will be reviewed prior to any in channel works being carried out to ensure we get best working window. Water levels will be monitored & if the level nears the top of the low flow channel operatives will exit immediately. EA to inform VBA of early warnings of a Flood Event.	
--	---	--

Method of Removal of Himalayan Balsam :

5.	- Areas to be identified by an Competent Person - Correct PPE to be worn - The stem of the Balsam is to be pulled at ground level, where appropriate. - The stems of the Balsam are to be placed in the muck skip which is placed inside the channel of the river. Once full the muck skip will be removed from the channel and the invasive species will be placed onto a transit pickup which will be lined with terram and covered and transported to the main site compound with the transit pickup OR will be placed into 1T bags and transported using the transit pickup which will then be placed in the 20 yard roll on/roll off awaiting removal from site to an appropriate licensed land fill tip with a WTN which will be issued by the suppliers of the skip. In this instance it will be ecoefficiency and the WTN will be kept on record on-site in the SWMP. Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - If the Channel very susceptible to rapidly increasing water level due to heavy down pours restricting working times in this area. Weather forecast will be reviewed prior to any in channel works being carried out to ensure we get best working window. Water levels will be monitored & if the level nears the top of the low flow channel operatives will exit immediately. EA to inform VBA of early warnings of a Flood Event.	
----	---	--

Method of Removal of Rhododendron :

6.	- Areas to be identified by an Competent Person	
----	---	--

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3 Page 13 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:

	- Correct PPE to be worn - Small bushes and small seedlings can be pulled by hand when present in small areas. Larger rhododendron bushes can be manually cut, the top woody growth of rhododendron can be manually removed to leave cut stumps with no remaining alive branches or shoots. - A cut stump technique should then be applied to the remaining stumps by applying an approved herbicide to the surface of a stump on the same day of cutting (Edwards, 2006) - The stems of the Rhododendron are to be placed in the muck skip which is placed inside the channel of the river. Once full the muck skip will be removed from the channel and the invasive species will be placed onto a transit pickup which will be lined with terram and covered and transported to the main site compound with the transit pickup OR will be placed into 1T bags and transported using the transit pickup which will then be placed in the 20 yard roll on/roll off awaiting removal from site to an appropriate licensed land fill tip with a WTN which will be issued by the suppliers of the skip. In this instance it will be ecoefficiency and the WTN will be kept on record on-site in the SWMP. Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations 7. Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations 8. If the Channel very susceptible to rapidly increasing water level due to heavy down pours restricting working times in this area. Weather forecast will be reviewed prior to any in channel works being carried out to ensure we get best working window. Water levels will be monitored & if the level nears the top of the low flow channel operatives will exit immediately. EA to inform VBA of early warnings of a Flood Event.	
--	---	--

Method of Removal of Japanese Rose :

9.	- Areas to be identified by an Competent Person - Correct PPE to be worn - The stems of Japanese Rose are to be placed in the muck skip which is placed inside the channel of the river. Once full the muck skip will be removed from the channel and the invasive species will be placed onto a transit pickup which will be lined with terram and covered and transported to the main site compound with the transit pickup OR will be placed into 1T bags and transported using the transit pickup which will then be placed in the 20 yard roll on/roll off awaiting removal from site to an appropriate licensed land fill tip with a WTN which will be issued by the suppliers of the skip. In this instance it will be ecoefficiency and the WTN will be kept on record on-site in the SWMP. Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - If the Channel very susceptible to rapidly increasing water level due to heavy down pours restricting working times in this area. Weather forecast will be reviewed prior to any in channel works being carried out to ensure we get best working window. Water	
----	---	--

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3 Page 14 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

PROGRAMME OF OPERATIONS AND POTENTIAL INTERFACE WITH OTHERS:

	levels will be monitored & if the level nears the top of the low flow channel operatives will exit immediately. EA to inform VBA of early warnings of a Flood Event.	
--	--	--

Method of Removal of Cotoneaster :

10.	- Areas to be identified by an Competent Person - Correct PPE to be worn - The stems of Cotoneaster are to be placed in the muck skip which is placed inside the channel of the river. Once full the muck skip will be removed from the channel and the invasive species will be placed onto a transit pickup which will be lined with terram and covered and transported to the main site compound with the transit pickup OR will be placed into 1T bags and transported using the transit pickup which will then be placed in the 20 yard roll on/roll off awaiting removal from site to an appropriate licensed land fill tip with a WTN which will be issued by the suppliers of the skip. In this instance it will be ecoefficiency and the WTN will be kept on record on-site in the SWMP. Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - Once all works have been completed in this section or for the day all plant, tools and PPE shall be washed down in the wash stations - If the Channel very susceptible to rapidly increasing water level due to heavy down pours restricting working times in this area. Weather forecast will be reviewed prior to any in channel works being carried out to ensure we get best working window. Water levels will be monitored & if the level nears the top of the low flow channel operatives will exit immediately. EA to inform VBA of early warnings of a Flood Event. -	
-----	---	--

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

MANDATORY AND ADDITIONAL PPE REQUIRED:

(rigger boots or similar are banned from use, wellingtons can only be used following inclusion in the RA)

Mandatory PPE:	Task-Specific PPE:
• Gloves (suitable for task) • Hard hat • High-visibility clothing • Light Eye Protection (LEP) • Boots (with steel toecap and mid-sole protection)	• Gloves (BS EN ISO 388 3.2.4.2 minimum) for manual tasks • Waterproofs for wet weather. • Dust masks and goggles and dust suppression to be used when removing existing surfaces. • Safety goggles (BS EN 166.F.3.4 minimum) for breaking out existing tarmac.

ENVIRONMENTAL CONSIDERATIONS: Consider Waste Management - pollution prevention measures, protected wildlife / sites / trees, noise / vibration / dust, resource use. Refer to H02-G03 Environmental Guidance for RAMS

Waste Management

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3 Page 15 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	--	------------	------------------------	------	---

All waste will be removed from site and sent back to site compound for disposal to a licensed waste facility, with copies of Duty of Care documentation always obtained and retained on site. Carrier licenses will be obtained and checked for all companies who remove waste from site and full copies of environmental permits, exemptions or other evidence will be obtained and checked to ensure that disposal locations can accept the waste type to be sent there, and in the quantity required.

Pollution Prevention (*water & ground; consider fuels, concrete & silt*)

Oil Spills - Construction activities could have potential to cause an oil (or other) spill which could be dispersed into the localised Rochdale canal. All personnel MUST use a plant nappy and must refuel at least 10 M away from the canal on hardstanding. A spill kit MUST also be within the working area.

Nuisance (*noise, dust, vibration*)

Liaison with affected parties in advance of the works commencing. EA have served notice to the landowners

Plant and equipment to be of good quality and maintained regularly; to be fitted with acoustic enclosures where practicable and switched off when not in use.

Resource Use (*fuel, water, aggregates, etc.*)

All items of plant will be refuelled as per VS's Fuel Refuelling guidelines.

Other (*archaeology, NRMM, etc.*)

Works will be carried out in accordance with any local environmental restrictions. No noisy activity works will commence until 08:00 AM – 18:00 PM.

Daily briefings can commence at 07:30 AM.

Please ensure that no foul language is used at ANY time whilst undertaking these works. Due to the sensitivity of the working location we ask that respect and decency must be maintained at all times.

EMERGENCY RESPONSE:

Event	Action to be Taken (<i>indicate location of first aid facilities, fire extinguishers, spill kits, rescue lines</i>)	Emergency Contact Details
Fire:	RAISE THE ALARM – Alert VolkerStevin Supervisor Evacuation of working area and notification of emergency services as per the Fire Plan. Call emergency services	999 or 112
Accident:	VolkerStevin first aiders are to be notified immediately and who will then coordinate response. First Aiders on site to deal with first response. Vans also carry a First Aid kit.	999 or 112

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3 Page 16 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick
✓

VolkerFitzpatrick-Rail
use R14

VolkerRail
n/a

VolkerStevin
✓

VolkerHighways
✓

VolkerLaser
✓

PJD
n/a

VolkerServices
✓

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
	Maps to nearest Hospital are on the site Induction. Complete entry in accident book – Accident book is in the site folder.				
Pollution:	In the event of an actual or suspected pollution incident the following should occur: STOP the work immediately CONTAIN the source with spill kits NOTIFY the relevant site management & REPORT the incident in line with H07 – Clean It Up Spill kits located within the vans. Report to SEPA Marine Pollution				Volkerstevin Environmental Manager:
Water:	Report to VS on-site supervisors				
Service strike:	Report to VS on-site supervisors				
Fire:	RAISE THE ALARM – Alert VolkerStevin Supervisor Evacuation of working area and notification of emergency services as per the Fire Plan. Call emergency services	999 or 112			

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements		
Approved for IMS:	IMS Manager			Document owner:	CR Director	Workspace file:	11.3 Page 17 of 19

Qualitative Risk Assessment and Method Statement Template

H02-02

VolkerFitzpatrick ✓	VolkerFitzpatrick-Rail use R14	VolkerRail n/a	VolkerStevin ✓	VolkerHighways ✓	VolkerLaser ✓	PJD n/a	VolkerServices ✓
------------------------	-----------------------------------	-------------------	-------------------	---------------------	------------------	------------	---------------------

ACTIVITY:	Removal of Invasive Species RAMS example – Phase 1B	RAMS Ref.:	Phase1B Example 002	Rev:	A
-----------	---	------------	---------------------	------	---

MINOR AMENDMENTS

AMENDMENT TO RAMS CARRIED OUT BY *(Supervisor responsible for works)*

Name	Position	Signature	Date	Time

AMENDMENT SUMMARY *changes required & reasons for minor amendment(s)*

Outline of the significant hazards involved:	Outline the controls to be followed to do the work:

AMENDMENT TO RAMS APPROVED BY *(Manager responsible for works)[if approval by phone call record date & time]*

Name	Position	Signature	Date	Time

I confirm that I have received and understood the briefing for the task(s) outlined:

Forename	Surname	Role <i>(in relation to this task)</i>	Signature	Date and time

Issue no.:	4	Date:	Jan 2022	Parent document:	H02 Risk Assessment and Method Statements
Approved for IMS:	IMS Manager	Document owner:	CR Director	Workspace file:	11.3 Page 19 of 19