

No.	Activity	Risk	Receptor	Pathway	Probability of exposure ahead of mitigation	Consequence	Severity (LMH)	Risk management techniques	Residual Risk
1	Treatment/Management of Non-Native Invasive Plant Species	Spread of invasive plant species to other areas Risk of spillage of herbicides into the watercourse	Downstream of the River Irwell Plant, bird and fish species living within the River irwell	Plant material/seeds being swept downhill into river Direct contamination of water	Medium Medium	Spread of invasive species can be detrimental to native plants. Spillage of herbicides can be damaging to plants, and wildlife.	Medium	Work only to be undertaken by licenced and experienced contractors, in accordance with detailed methodology, and at the prescribed time of the year. Permit to be obtained for use of Herbicides adjacent to the waterway	Low if management techniques are implemented
2	Demolition of former TSB Bank	Release of uncontrolled collapse Release of silica dust into the atmosphere Release of building debris into the watercourse	People and wildlife adjacent to & downriver from the site	Direct release into atmospheres, which could settle on the waterway Directly falling into the waterway	Low	Health Impact to species in the river, due to contaminated water. Minor increase flood risk due to debris in the waterway.	Medium	Demolition sequence is defined - end wall to remain until after dam and scaffold installed to provide screening. Demolition techniques such as water suppression and hand removal of certain elements reduces risk of falling debris and release of dust.	Low if management techniques are implemented
3	Construct of access scaffold deck & walkway	Scaffold being partially submerged during flood events. Hazard of tree branches etc getting caught on scaffold during floods and creating dam effect.	Personnel working on scaffold; people and wildlife adjacent to site	n/a	Medium	Increased flood consequence to adjacent properties if dam effect is created. Damage to scaffold. Injuries to personnel working on or adjacent to scaffold if scaffold collapses.	Medium	Scaffold to be designed by competent designers to withstand flood effect. Designs to be checked by VINCI temporary works department. Scaffolds to be erected during months where river levels are expected to be at their lowest. Regular monitoring of river levels from local station (Pioneer Mills), and subscription to EA flood warning text alerts. Temporary dam and baffle system installed to keep river flows away from scaffold and reduce risk of striking from floating debris.	Low if management techniques are implemented
4	Installation of temporary frame dam	Increased flood risk, or breaching of dam	Personnel working on scaffold; people and wildlife adjacent to site	n/a	Low	Increased flood consequence to adjacent properties if dam effect is created. Damage to scaffold. Injuries to personnel working on or adjacent to scaffold if scaffold collapses.	Medium	Dam to be designed by competent designers to withstand flood effect. Designs to be checked by VINCI temporary works department. Dam to be installed during months where river levels are expected to be at their lowest. Regular monitoring of river levels from local station (Pioneer Mills), and subscription to EA flood warning text alerts. Temporary dam and baffle system installed to keep river flows away from scaffold and reduce risk of striking from floating debris. Installation by marine specialist contractors.	Low if management techniques are implemented
5	Structural Repair Works to Market Chambers	Risk of release of silica dust to atmosphere Risk of spillage of cementitious mortar products into the river Risk of spilling polyester based resin sealants into the river	People and wildlife adjacent to and downriver from the site	Release of dust to atmosphere Spillage of mortar/resin products into the river	Medium	Health impact to species & people downriver.	Low	Dust suppression at source to be implemented Batching and preparation of mortar products to be done on the main site away from the watercourse Low volumes of material to be brought on to the work face Works to be undertaken once the dam and access scaffold installed to provide further barrier from the watercourse.	Low if management techniques are implemented
6	Infilling of windows in river wall	Risk of release of silica dust to atmosphere Risk of spillage of cementitious mortar products into the river	People and wildlife adjacent to and downriver from the site	Release of dust to atmosphere Spillage of mortar products into the river	Low	Health impact to species & people downriver.	Low	Dust suppression at source to be implemented Batching and preparation of mortar products to be done on the main site away from the watercourse Low volumes of material to be brought on to the work face Works to be undertaken once the dam and access scaffold installed to provide further barrier from the watercourse.	Low if management techniques are implemented
7	Replacement of Windows to Market Chambers Building	Risk of release of silica dust to atmosphere Spillage of silicone mastic products into the river	People and wildlife adjacent to and downriver from the site	Release of dust to atmosphere Spillage of silicone products into the river	Low	Health impact to species & people downriver.	Low	Dust suppression at source to be implemented Works to be undertaken once the dam and access scaffold installed to provide further barrier from the watercourse.	Low if management techniques are implemented
8	Façade Restoration to Market Chambers	Risk of release of silica dust to atmosphere Risk of spillage of cementitious / lime mortar products into the river Release of grime and general detritus into the river	People and wildlife adjacent to and downriver from the site	Release of dust to atmosphere Spillage of mortar products directly into the river	Low	Health impact to species & people downriver.	Low	Dust suppression at source to be implemented Batching and preparation of mortar products to be done on the main site away from the watercourse Low volumes of material to be brought on to the work face Works to be undertaken once the dam and access scaffold installed to provide further barrier from the watercourse. Additional screening during steam cleaning as appropriate.	Low if management techniques are implemented
9	Formation of apertures in river wall	Risk of release of silica dust to atmosphere	People and wildlife adjacent to and downriver from the site	Release of dust to atmosphere	Low	Health impact to species & people downriver.	Low	Dust suppression at source to be implemented Works to be undertaken once the dam and access scaffold installed to provide further barrier from the watercourse.	Low if management techniques are implemented

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10	Installation of new Balcony Structure	Risk of tools or materials falling into the river	People and wildlife adjacent to the river	Materials falling from crane Tools falling from scaffold	Medium	Possible flood risk, or contamination from tools.	Medium	Vinci's safe system of work to be followed for all lifting activities at quay including specific lifting plans and inspections of all rigging etc. Crane to be operated by competent operator. Tools to be tethered Battery tools to be used. Work to take place once temporary dam in place to provide beffer from waterway.	Low if management techniques are implemented