

Minor Works Environmental Impact Assessment (EIA) /Minor Works Review of Environmental Factors(REF) Form

This EIA form is used by WaterNSW to assess and approve minor works that are either *Development Without Consent* or *Exempt Development*. It records & assesses activities or project works where environmental impacts are minimal or not likely to significantly affect the environment.

If you are unsure how to answer anything in this Form, please contact the Environmental Services Team for assistance and advice.

SECTION 1 PROJECT SCOPE

	QUESTIONS	ANSWERS	GUIDANCE
1.1	Organisation/Business Unit/Team	WaterNSW – AM&S - Burrendong Cluster - Warren Area	
1.2	WaterNSW representative and contact details	[REDACTED]	
1.3	Has a site inspection been undertaken? If so by whom and when?	Yes, [REDACTED] on site inspection Tuesday 21/3/2023	It is recommended the person undertaking site inspection should also complete this Form.
1.4	ARK Reference – Project Folder/Work Folder	STW142186	Save your work to ARK and include the ARK numbers here. Provide project/works folder for background information
1.5	Project Number/Budget Code	[REDACTED]	Environmental Services time taken to process this request will be assigned to the project. ⓘ
1.6	Project or Works Value	\$50,000.00	
1.7	Project or Works Title	De-Silt Marebone Fishway	Include the full name for the project or work you propose undertaking.
1.8	Scope of Works: What is to be undertaken and how?	<p>During recent flood events, silt has been deposited into the fishway structure at Marebone Weir causing a blockage in the fish passage.</p> <ol style="list-style-type: none"> 1. Close fishway regulator gates and open Marebone main weir gates to predetermined height for required flow. 2. Install block bank upstream of fishway structure with excavator using material that was excavated to construct the fishway channel. 3. Open fishway regulator gates to drain fishway. 4. Using 30T excavator remove channel silt to existing previously removed silt stock pile, using 2T excavator remove silt in the fishway baffles and around slide gates (area to be excavated approx. 4m wide, 1.8 m deep and 30m long). 5. Provide silt fencing around stockpiled material 6. Remove block bank and reinstate flows through the fishway and fishway regulator gates 7. Once silt has dried it is to be spread and seeded with native local grasses 	Clearly outline the full scope of work and activities, including equipment type, size, quantity; sequence and tasks involved including site establishment, stockpiles; temporary structures such as site sheds; any block banks and de-watering.
1.9	Proposed Start Date and Expected Duration of works	27/3/23 to 9/5/23 (about 10 business days)	
1.10	Planned Site Work Hours	Mon-Fri 7am to 4pm	<p>Identify the planned site work hours.</p> <p>Standard Hours are : Mon-Fri 7am-6pm, Sat 8am-1pm, No work Sunday or Public Holidays.</p> <p>Non-standard hours may require additional noise assessments to be prepared</p>
1.11	One-off Project or Routine work	<input checked="" type="radio"/> One Off <input type="radio"/> Routine	
1.11.2	Options considered & justification for selecting the preferred option.	<p>Option 1. A do nothing approach - the fishway is currently fully blocked with silt and not functioning, fish passage is impacted and if left to fully dry the silt will be very hard to remove and create a corrosion issue around fishway slide gates.</p> <p>Preferred option 2. removal of silt will return the fishway to full functionality</p>	Describe all options that were considered and why the preferred option was selected.
1.12	Location	<p>Marebone Fishway, Nellievale Road Mt Harris 2824 Lot 10, DP1164048 Latitude -31.385886466 Longitude 147.695757226</p>	Identify the location of the project or work (e.g. which asset). Be sure to include the access roads / route
1.13	Site Plan / Photos / Aerial Photo: Add Figures or ARK reference to figures	ARK ref to work as executed drawings is STW121884	
		<input type="button" value="Add Figure or Photo"/> <input type="button" value="Remove Figure or Photo"/>	



1.14 Is the land and/or asset owned by WaterNSW?

Yes No

Site ownership details can be found at;
 Vested orders (DOC11/8076)
 Land Titles Office
 NULA ⓘ

1.14.1	Provide evidence of ownership and detail what the land is used for	WaterNSW Operational Area, Vested to WNSW as per ownership Spreadsheet Doc13/7181	Provide details of land use e.g operational area, Special Area, Controlled Area, recreational area, agricultural area etc ⓘ http://www.watnsw.com.au/supply/Greater-Sydney/system NULA
1.15	Lot and DP	Lot 10, DP1164048	Find a property using NULA, or the NSW Planning Portal
1.16	What is the Local Government Area (LGA)?	Warren Shire Council	Use: 1. LPI SIX Maps or 2. NSW Planning Portal or 3. NULA
1.17	What is the zoning of the site?	RU1 -Primary Production	Provide details of the zoning from the relevant Local Environmental Plan(s) ⓘ
1.18	Will the project or work be within the Sydney Drinking Water Catchment and/or a Special Area / Controlled Area?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Check NULA to identify if the project or work is within the Sydney Drinking Water Catchment. For more information on undertaking a Neutral or Beneficial Effect Assessment refer to CD2016/89*
1.19	Does the project or work require any vegetation to be cleared?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Clearing means any one or more of the following: (a) cutting down, felling, thinning, logging or removing vegetation, (b) killing, destroying, poisoning, ringbarking, uprooting or burning native vegetation.
1.20	Is the project or work located on, in or adjacent to (within 40m) of a "water land" or waterway?	<input checked="" type="radio"/> Yes <input type="radio"/> No	'water land' means land submerged by water: (a) whether permanently or intermittently, or (b) whether forming an artificial or natural body of water, and includes wetlands and any other land prescribed by the regulations as water land to which this Division applies ⓘ
1.20.1	Provide details	Marebone fishway inlet Channel - in channel works, remove silt from fishway	Details to be included; name of waterway / waterbody , the proximity of works to the waterway / waterbody
1.21	Is the project or work likely to result in any soil disturbance?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
1.21.1	Describe details including the extent of soil disturbance, types of machinery to be used and the location of disturbance and any stockpiles.	Material for the block bank will be obtained from the pile of material removed for the construction of the channel and be placed by an excavator operated by competent operator who is experienced in block bank work. Marebone Fishway is to be desilted. Silt retrieved is to be stockpiled at site adjacent to the channel until dried. When dried the silt will be transferred to farm.	
1.22	Will the project or work require the stockpiling of any materials?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
1.22.1	Provide details of the nature and extent of the stockpiling	Stockpile of silt removed will be adjacent to existing Marebone weir stockpile spread over 50m x 10m x 200mm high	Details to be included; materials to be stockpiled, length of stockpiling and the proposed location of the stock pile
SOIL AND WATER			
Select the appropriate safeguards to manage the impacts			
SW1	Soil and Water	All works shall be undertaken in a manner that will minimise site disturbance and avoids or minimises erosion and sedimentation.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW2	Soil and Water	All areas disturbed during the works shall be protected by installing appropriate erosion and sedimentation control measures so that sediment-laden runoff does not enter any drainage line or wetland. Measures may include: o diverting any potential upslope runoff and stormwater away from the site; o installing temporary erosion control devices (eg sediment fencing, sand bags, sediment basins); o temporary surface protection (eg surface mulching, geotextile/erosion control matting).	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW3	Soil and Water	All erosion and sediment control measures shall be checked and maintained on a regular basis so that they work effectively at all times, including removing trapped sediment before or when 30% capacity is reached. Control measures shall not be removed before the ground surface is stabilised.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW4	Soil and Water	A maintenance checklist shall be prepared for sites. Records shall be kept of all checks and maintenance and shall be provided to Water NSW on request. As a minimum this shall	<input checked="" type="radio"/> Yes <input type="radio"/> N/A

		include a regular check of: <ul style="list-style-type: none"> o sediment fencing/bunding o any sign of erosion of the site or material o any impact on adjacent vegetation (material shall be kept outside the dripline of any tree) o the safe storage of any chemicals, fuels or lubricants o the height, gradient and stability of any stockpile (<2m high and 2:1 slope) 	
SW5	Soil and Water	Chemicals, fuels and lubricants shall be securely stored in approved containers and spill containment material shall be kept on site ready for immediate use. Bund capacity is to be at least 110 % of the largest container & 25% of the total stored volume	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW6	Soil and Water	No chemicals, fuels and lubricants shall be stored overnight on site unless specifically approved by Water NSW. If approved, these materials shall be stored with bunding within an established site compound, on a level area clear of native vegetation and at least 40m from any natural or built drainage line or wetland.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW7	Soil and Water	Plant and equipment shall not be refuelled within 20m of any natural or built drainage line or wetland. During any refuelling, spill containment material shall be on hand ready for immediate use.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW8	Soil and Water	Weather forecasts shall be regularly checked so that expected storm events can be taken into account in project planning and erosion and sediment management.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW9	Soil and Water	Temporary compounds and stockpiles shall be located: <ul style="list-style-type: none"> o at least 40m from natural or built drainage lines or wetland; o on areas previously disturbed and that do not require the clearing of native vegetation; o on level, hard ground wherever possible, and shall not be located on slopes steeper than 1(V):10(H); o beyond tree drip lines; o where there is no risk of impact on any indigenous or non-indigenous heritage site. 	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW10	Soil and Water	Topsoil shall be stockpiled separately from general spoil and reused wherever possible.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW11	Soil and Water	Concrete shall not be mixed within 20m of any natural or built drainage line or wetland. All concrete waste and any concrete washout shall be contained and removed for disposal off site at a lawful facility. Washout of trucks on site shall be minimised wherever possible.	<input type="radio"/> Yes <input checked="" type="radio"/> N/A
SW12	Soil and Water	Waste water generated during works shall be captured and: <ul style="list-style-type: none"> - tested and treated before release back into the environment ensuring all water quality criteria are met; - disposed offsite at a lawful receiving facility; - sediment laden waters can be discharged in a manner that prevents sediments entering natural or built drainage lines or wetlands. 	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW13	Soil and Water	Silt booms shall be installed in the stream or water body around the work site, or immediately downstream. The silt booms shall be appropriately anchored to maximise the capture of any sediment laden water.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
SW14	Soil and Water	Any mixing of paints is to be carried out over a waterproof membrane of at least 4 square metres in area. The contractor is to take all reasonable steps to prevent spillage of paint.	<input type="radio"/> Yes <input checked="" type="radio"/> N/A
1.23	Will the project or work result in the generation of any waste materials?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<i>This may include spoil, concrete, building materials, vegetation, wastewater, oil and grease.</i> <i>Will portable toilets be needed at the site?</i>
1.23.1	Provide details of the nature, amount of waste likely to be generated and proposed disposal	Silt retrieved is to be spread over farm land when dry.	Refer to Waste Classification Guidelines for classifying waste If the project or work involves the use and disposal of, or exposure to, contaminated/hazardous materials, dangerous goods or controlled chemicals, approval maybe required from SafeWork NSW or EPA

WASTE			
Select the appropriate safeguards to manage the impacts			
W1	Waste	All working areas shall be maintained, kept free of rubbish and cleaned up at the end of each working day. Equipment and materials shall be securely stored.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
W2	Waste	If the contractor is working at the same location for more than one day, self-contained portable ablution and toilet facilities shall be provided, unless otherwise specifically negotiated with Water NSW. These facilities shall be located at least 20m from any natural or built drainage line or wetland.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
W3	Waste	The contractor shall be appropriately licensed to remove and dispose of all hazardous materials. Hazardous materials shall be handled and disposed in accordance with relevant Australian Standards, SafeWork NS and regulatory agency (EPA) guidelines.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
W4	Waste	All waste fluids generated during the works, including concrete wash, the washing of painting equipment and human effluent, shall be contained for proper disposal offsite in accordance with SafeWork NSW and NSW government guidelines.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
W5	Waste	All waste removal, transport and disposal, including excess spoil, shall be in accordance with the EPA current guidelines for waste. Materials shall be recycled wherever possible. Dockets or equivalent evidence shall be obtained for all recycling and waste disposal, detailing the weights, materials, time and date and waste facility used. These dockets shall be available onsite and submitted with monthly reports and placed in ARK folder F2018/3432.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
1.24	Will the project or work have an impact on members of the public or surrounding areas?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Types of impact may include noise, dust, access, visual amenity. Surrounding land uses may be agricultural/other rural land uses, residential, recreational etc.
1.25	Will the project require new access tracks to be developed or fences to be installed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
1.26	Are there any impacts on any utilities and/or roads?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carry out a dial-before-you-dig if necessary or conduct a survey to indicate if any underground infrastructure is present, eg, water, sewer, power, telecommunications, council roads, otherwise contact the supply authority or local Council (cl.13 ISEPP) 
1.28	Are there any post-construction rehabilitation or future maintenance requirements?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Post rehabilitation may include replanting, rip rap and making good of a disturbed area.
1.28.1	Provide details of impact	Existing access and stockpile location. Temporary stockpile drying site is to be reseeded once dried silt has been removed. All sediment controls are to be removed once site is stabilised.	
SITE DECOMMISSIONING			
Select the appropriate safeguards to manage the impacts			
D1	Site Decommissioning and Restoration	On completion of the works and prior to leaving the site: - all vehicles, construction equipment, materials, waste and excess spoil relating to the works shall be removed from the work site and any adjacent affected areas - all disturbed areas shall be restored with a minimum of 80% cover before removal of temporary control measures - any property or infrastructure that has been damaged as a result of the works shall be repaired, replaced or restored in consultation with Water NSW	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
D2	Site Decommissioning and Restoration	Disturbed areas shall be reseeded wherever there is no local seed source for natural reseeded.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
D3	Site Decommissioning and Restoration	Any vegetative material retained from any clearing or lopping shall be spread over disturbed areas as surface mulching to assist site revegetation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
1.29	Is a Construction Environmental Management Plan (CEMP) required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	A CEMP demonstrates how & where site specific environmental controls or safeguards will be implemented at the project site. Not all projects or works need to have a CEMP prepared, for example small scale works with few potential impacts. The CEMP must address the safeguards identified in the EIA for the project. (refer to CD2015/188* - CEMP Condensed Template)
1.29.1	Explain why a CEMP would not be necessary for this project or work	This is small scale work involving previously approved and used stockpiled area performed by personnel experienced in this type of activity and completed this de-silting work in 2012. Works can be managed effectively by implementing mitigation measures identified within the approval.	

1.30	Are there any special environmental safeguards, controls or mitigation measures that need to be implemented during this project or works?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<i>Minor and routine works not requiring a CEMP can still require specific mitigation measures.</i>
1.30.1	Provide details. Include a list of any project specific controls or mitigation measures that need to be implemented during this project or works.	Dewatering, fish monitoring and fish rescue - All NSW Fisheries requirements to be implemented.	
	<p>Thank you for completing Section 1 of this Minor Works Environmental Impact Assessment .</p> <p>Ensure you have saved this form to ARK and included the ARK reference number above.</p> <p>Go to myWaterNSW, click 'Request Something' & create a service request for Environmental Services.</p>	<p>Save to ARK and go to myWaterNSW to create a service request</p>	
<input checked="" type="radio"/>	<p><u>Environmental Services Team</u> - Once Section 1 has been submitted, check that all questions are completed. If Section 1 is incomplete refer back to the Project Manager with comments. Environmental Services will complete section 2 & 3 of the assessment.</p>		

SECTION 2 ENVIRONMENTAL CONSIDERATIONS			
	QUESTIONS	ANSWERS	HERITAGE TO BE CHECKED
2.1	Will the project / work occur on a heritage item? Is the work site or asset identified on the WaterNSW s170 heritage register or the State heritage register or identified as a local heritage item on the LEP?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Heritage to be checked: 1. WaterNSW S170 Register (D2016/73126) 2. NSW Planning Portal ⓘ 3. Relevant Council LEP
2.1.1	Identify and describe the works with regard to the heritage significance.	The weir is listed on the WaterNSW S170 register as an item of local heritage significance.	
2.1.2	Is the item identified on the LEP as locally significant?	<input type="radio"/> Yes <input checked="" type="radio"/> No	If yes notification to Council with provision of a heritage impact assessment for the works is required, and any comments received within 21 days must be considered. Consult the Heritage Specialist for advice ⓘ
2.1.4	Are the proposed works permissible under the Heritage NSW Standard Exemptions? <i>Consult the Heritage Specialist or Adviser</i>	<input type="radio"/> Yes <input checked="" type="radio"/> No	Refer to the Heritage NSW Standard Exemptions as guidance for works which may be done under the Standard Exemptions if they have little to no impact to an item's heritage significance and meet the relevant standards. If the work can be done as a Standard Exemption it must be recorded in D2020/133333. If the proposed activities/works would not comply with the Standard Exemptions or site-specific exemptions, approval under the Heritage Act 1977 is required. Consult the Heritage Specialist for advice ⓘ
2.1.5	Include details that support the above conclusions and outcomes of consultation with the heritage specialist.	As no alterations to the weir structure are required, only silt removal from the fishway - approval is not required.	
2.1.6	Detail specific requirements or measures that need to be included in the Environmental Approval.	Temporary stockpile drying site is to be reseeded once dried silt has been removed. All sediment controls are to be removed once site is stabilised.	Any measures provided here are shown in the approval as project specific requirements.
2.2	Are there any: - relevant confirmed site records or other associated landscape feature information on AHIMS? and/or - other sources of information of which a person is already aware? and/or - landscape features that are likely to indicate the presence of Aboriginal objects? - ILUA in place?	<input type="radio"/> Yes <input type="radio"/> No	Landscape features that indicate the likely existence of Aboriginal objects. Is the proposed activity - within 200 metres of waters - within sand dunes on a ridge top/ridge line/headland - within 200 metres of the top or bottom of a cliff face - within 20m of or within a cave, rock shelter or a cave mouth AND the land is NOT previously disturbed ⓘ An Aboriginal Heritage Information Management System (AHIMS) Web Services search must be undertaken using 200m buffer of the project or work and if positive undertake within 50m. ILUA - Indigenous Land Use Agreement search tool



HERITAGE			
Select the appropriate safeguards to manage the impacts			
H1	Heritage	Site induction shall include awareness of the heritage significance of the site. This shall include the importance of preventing accidental damage to any structure or historical remnants such as roads, steps & stairs, curbing, footings & foundations and picnic area facilities or interfering with any material associated with the heritage item.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
H2	Heritage	All activities or work undertaken within the heritage precinct shall be carried out in a manner that will protect the fabric of the heritage item from damage or interference during the work.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
H3	Heritage	If problems are encountered that necessitate a major change in the work method, works shall cease until the significance of the change can be assessed. The Water NSW Environmental Services Team shall be contacted for advice. Note: the works may require re-approval prior to recommencing, depending on the changes.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
H4	Heritage	Replacement of missing, damaged or deteriorated fabric shall match existing fabric in appearance, material and method of fixing. If this is not possible, specific advice shall be obtained from the Water NSW Environmental Services Team before undertaking the replacement.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
H5	Heritage	Painting shall be done using the Water NSW approved colour scheme available from the Heritage Adviser. If any specified colour is not available, Water NSW Heritage Adviser approval shall be obtained before an alternative colour is used.	<input type="radio"/> Yes <input checked="" type="radio"/> N/A
H6	Heritage	If any items which have the potential to be of heritage significance are encountered, works shall cease until the significance of the item can be established. The Water NSW Environmental Services Team should be contacted for advice on the appropriate course of action to take.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
H7	Heritage	The Upper Canal is potentially fragile due to its age and is heritage listed. The works shall be designed and undertaken in such a way that the Upper Canal is adequately protected from ground vibration and structural damage.	<input type="radio"/> Yes <input checked="" type="radio"/> N/A
H8	Heritage	If any Aboriginal cultural material (e.g. relics such as stone tools, worked bone or fire hearths) is encountered within or immediately adjacent to the work area, work shall stop immediately until the significance of the item can be established. Water NSW Procedure CD2012/184* - Unexpected Aboriginal Objects Procedure should be followed.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
2.3	Is the project or work within or likely to affect any of the following? - Declared Wilderness Area - Declared Area of Outstanding Biodiversity Value - Critical habitat of an endangered species, population or ecological community	<input type="radio"/> Yes <input checked="" type="radio"/> No	There are 49 areas of Wilderness across NSW, 4 affecting the Sydney Drinking Water Catchments: Look up details using NULA. For land declared critical habitat, check: 1. OEH Critical Habitat Register 2. DPI Fisheries Register of Critical Habitat Exempt development cannot be carried out in critical habitat of an endangered species, population or ecological community (identified under the Biodiversity Conservation Act or the Fisheries Management Act) An Area of Outstanding Biodiversity Value is declared under the Biodiversity Conservation Act 2016 and includes critical habitat.
2.3.1	Add any information relevant to the searches undertaken.	The following registers were searched: - OEH Critical Habitat Register - DPI Fisheries Register of Critical Habitat - NULA	
2.4	Is the project or works within or likely to affect any of the following areas: - World Heritage Land or land to which SEPP (Coastal Management) 2018 applies - Wetlands and/or migratory birds - National Parks or Land covered by a Conservation Agreement	<input type="radio"/> Yes <input checked="" type="radio"/> No	The Warragamba Special Area is within the Greater Blue Mountains World Heritage Area . See SEPP (Exempt & Complying Development) 2008 Clause 1.5 for inclusions of environmentally sensitive areas, use hyperlink to check: - an aquatic reserve under the Fisheries Management Act 1994 or a marine park under the Marine Parks Act 1997 - A RAMSAR wetland or a World Heritage area declared under the World Heritage Convention ⓘ If works will impact on National Park or area with a conservation agreement consultation is required.
2.5	Are there any known contamination/hazardous materials issues?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Examples may include asbestos, contaminated soil. NULA Contaminated Land Risk Register (D2016/135491) and Hazardous Materials Register (D2015/74763) . Register - Gauging Stations, 26 November 2014 - Asbestos NSW Office of Water D2015/74762

2.6	Does the project or works require consent under State Environmental Planning Policy (Vegetation Non-Rural Areas) or the Local Land Services Act 2013? Note: Vegetation removal that is part of an activity that is assessed as development without consent is approved under Part 5 of the EP&A Act, removing the need for Council consent or LLS Act approval.	<input type="radio"/> Yes <input checked="" type="radio"/> No	Vegetation clearing works are likely to be permissible as part of an activity that is being assessed under Part 5 of the EP&A Act or; as works under a WM Act approval or; as bush fire management activities and authorised by other legislation. Additional permissibilities under the LLS Act and State Environmental Planning Policy (Vegetation- Non-Rural Areas) 2017. Refer to the Local Land Services Act 2013 Section 60 O for a list of authorisations and permissibilities. Use the OEH Native Vegetation Regulatory Maps to determine vegetation category.
2.6.1	Provide details	Vegetation clearance not required. The works are for the removal of silt from the fish passage.	Ensure no ancillary activities require clearing. Record justification if clearing can be undertaken without approval. Attach evidence of consultation where required.
2.7	Is the project or work likely to have only a minimal impact on the environment?	<input checked="" type="radio"/> Yes <input type="radio"/> No	A project is likely to have more than a minimal impact if for example: <ul style="list-style-type: none"> • a license or permit is required • it is carried out in a waterway where flow interruptions are required • there is likely to be a community impact • it will result in the clearing of mature trees or a large area of understorey or native grasses • it will impact on an aboriginal heritage item • it will result in largescale soil disturbance • it will result in an increase in hard surfaces • it will result in the creation of new tracks, roads • it will result in more than minimal modifications / alterations to items of State or local significance ⓘ
2.7.1	Provide any additional information relevant to and that supports the above assessment.	The works are anticipated to have minimal impact on the environment. The works are required to unblock the fish passage.	Details here will not appear elsewhere on the approval
2.7.2	Does the project or work fall within one of the development categories & associated exempt development types listed under SEPP (Infrastructure) 2007 Clause or Schedule 1 or alternative Environmental Planning Instrument?	<input checked="" type="radio"/> Yes <input type="radio"/> No	If ISEPP clauses don't adequately describe the project or works including Schedule 1, consider State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 ⓘ
2.7.3	Detail the planning instrument, development category and exempt development type that best describes the project or works?	Works are considered as exempt development as described by State Environmental Planning Policy (Transport and Infrastructure) 2021 clause 2.162 (c), being works for the removal of litter, silt or debris from any part of the water supply system.	
2.8	Are there any special environmental safeguards, controls or mitigation measures that need to be implemented during this project or works?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
2.9	Does the project or works require notification under the Fisheries Management Act ?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Activities that could trigger requirement include: <ul style="list-style-type: none"> • Dredging or reclamation on water land (S198A and C263) • Construction, alteration or modifications to a dam, weir or reservoir (S218) • Interruptions to water flows or does the project or work obstruct the passage of fish (S219) ⓘ
2.9.1	Provide details - Add any specific Fisheries requirements or safeguards that need to be included in the Environmental Approval	S.199 Consultation for proposed dredging and reclamation works for the maintenance of the fishway structure on Marebone Weir. DPI Fisheries have no objections to the proposed works for desilting activities at Marebone Weir Regulator & Fishway provided that; 1. Environmental safeguards (e.g. sediment fences, silt curtains etc.) are to be installed consistent with "Managing Urban Stormwater: Soils and Construction" (4th Edition Landcom, 2004, aka the Blue Book (see http://www.environment.nsw.gov.au/resources/water/BlueBookVol1.pdf) to ensure that there is no escape of turbid plumes into the adjacent aquatic environment; 2. Any material removed from the waterway that is to be deposited or stockpiled on land is to be located well away from the waterway and to be contained by appropriate sediment control devices as outlined in the Blue Book.	

Project or works can be approved as exempt development. Go to Section 4 Environmental Approvals

SECTION 4 ENVIRONMENTAL APPROVAL			
Project Details			
myWaterNSW Request #: RITM	RITM0467879	ARK Minor Works EIA Form #	D2023/21890[v1]
WaterNSW Contact	[REDACTED]	Project Location	Marebone Fishway, Nellievale Road Mt Harris 2824 Lot 10, DP1164048 Latitude -31.385886466 Longitude 147.695757226
Project Title	De-Silt Marebone Fishway		
Approved Activity	<p>During recent flood events, silt has been deposited into the fishway structure at Marebone Weir causing a blockage in the fish passage.</p> <ol style="list-style-type: none"> 1. Close fishway regulator gates and open Marebone main weir gates to predetermined height for required flow. 2. Install block bank upstream of fishway structure with excavator using material that was excavated to construct the fishway channel. 3. Open fishway regulator gates to drain fishway. 4. Using 30T excavator remove channel silt to existing previously removed silt stock pile, using 2T excavator remove silt in the fishway baffles and around slide gates (area to be excavated approx. 4m wide, 1.8 m deep and 30m long). 5. Provide silt fencing around stockpiled material 6. Remove block bank and reinstate flows through the fishway and fishway regulator gates 7. Once silt has dried it is to be spread and seeded with native local grasses 		
Project Manager Responsibilities			
<p>In carrying out the project or works, it is the Project Manager's responsibility to ensure that the works are carried out as described within this assessment and that all safeguards listed within this approval are complied with. The Project Manager must also ensure that all licences, permits and approvals are obtained and maintained as required and that all statutory and regulatory requirements are complied with throughout the project or works. The Project Manager is also to ensure compliance with the Building Code of Australia and other relevant technical, manufacturer or industry standards.</p>			
Environmental Safeguards			
General			
G1	All WaterNSW Work Health and Safety requirements must be adhered to.		
G2	All complaints and compliments shall be directed to - feedback@waternsw.com.au or 1300 662 077.		
G3	All environment incidents shall be addressed in accordance with WaterNSW's Environmental Incident Management Procedure CD2016/6*.		
G4	If works have not commenced within 2 years of this approval, the EIA form must be re-submitted prior to the commencement of works, to ensure the controls remain in line with current legislation and internal procedures including re-approval by the Environmental Services team.		
G5	Site inductions shall include all aspects, impacts and controls identified in the EIA/REF and Environmental Approval.		
G6	For any shutdown, completion of Site Shutdown (RACS requirement) shall be completed at least 24 hours prior to shutdown commencing.		
G7	Approved Standard Hours are : Mon-Fri 7am-6pm, Sat 8am-1pm, No work Sunday or Public Holidays. For any proposed works outside approved standard construction hours, an Out of Hours Application CD2015/210* shall be submitted to the Environmental Services team, allowing 10 working days for approval.		
G8	If any items which have the potential to be of heritage significance are encountered, works shall cease until the significance of the item can be established. The Water NSW Environmental Services Team should be contacted for advice on the appropriate course of action to take.		
G9	If any Aboriginal cultural material (e.g. relics such as stone tools, worked bone or fire hearths) is encountered within or immediately adjacent to the work area, work shall stop immediately until the significance of the item can be established. Water NSW Procedure CD2012/184* - Unexpected Aboriginal Objects Procedure should be followed.		
G10	All sediment and erosion controls shall be installed according to the requirements of <i>Managing Urban Stormwater: Soils and Construction - Volume 1, 4th Edition 'Blue Book'</i> .		
G11	WaterNSW Tree Clearing Permit CD2021/110* must be completed and authorised by the works supervisor before vegetation removal activities commence.		
Community			
Traffic and Utilities			
Special and Contolled Areas			
Soil and Water			
SW1	All works shall be undertaken in a manner that will minimise site disturbance and avoids or minimise erosion and sedimentation.		

SW2	All areas disturbed during the works shall be protected by installing appropriate erosion and sedimentation control measures so that sediment-laden runoff does not enter any drainage line or wetland. Measures may include: <ul style="list-style-type: none"> o diverting any potential upslope runoff and stormwater away from the site; o installing temporary erosion control devices (eg sediment fencing, sand bags, sediment basins); o temporary surface protection (eg surface mulching, geotextile/erosion control matting).
SW3	All erosion and sediment control measures shall be checked and maintained on a regular basis so that they work effectively at all times, including removing trapped sediment before or when 30% capacity is reached. Control measures shall not be removed before the ground surface is stabilised.
SW4	A maintenance checklist shall be prepared for sites. Records shall be kept of all checks and maintenance and shall be provide to Water NSW on request. As a minimum this shall include a regular check of: <ul style="list-style-type: none"> o sediment fencing/bunding o any sign of erosion of the site or material o any impact on adjacent vegetation (material shall be kept outside the dripline of any tree) o the safe storage of any chemicals, fuels or lubricants o the height, gradient and stability of any stockpile (<2m high and 2:1 slope)
SW5	Chemicals, fuels and lubricants shall be securely stored in approved containers and spill containment material shall be kept on site ready for immediate use. Bund capacity is to be at least 110 % of the largest container & 25% of the total stored volume
SW6	No chemicals, fuels and lubricants shall be shall be stored overnight on site unless specifically approved by Water NSW. If approved, these materials shall be stored with bunding within an established site compound, on a level area clear of native vegetation and at least 40m from any natural or built drainage line or wetland.
SW7	Plant and equipment shall not be refuelled within 20m of any natural or built drainage line or wetland. During any refuelling, spill containment material shall be on hand ready for immediate use.
SW8	Weather forecasts shall be regularly checked so that expected storm events can be taken into account in project planning and erosion and sediment management.
SW9	Temporary compounds and stockpiles shall be located: <ul style="list-style-type: none"> o at least 40m from natural or built drainage lines or wetland; o on areas previously disturbed and that do not require the clearing of native vegetation; o on level, hard ground wherever possible, and shall not be located on slopes steeper than 1(V):10(H); o beyond tree drip lines; o where there is no risk of impact on any indigenous or non-indigenous heritage site.
SW10	Topsoil shall be stockpiled separately from general spoil and reused wherever possible.
SW12	Any wastewater generated during the works shall be contained for disposal offsite at a lawful facility. Water contaminated with sediment can only be discharged in a manner that prevents the sediment entering natural or built drainage lines or wetland.
SW13	Silt booms shall be installed in the stream or water body around the work site, or immediately downstream. The silt booms shall be appropriately anchored to maximise the capture of any sediment laden water.
Flora and Fauna	
Pest and Weed Control	
Air Quality	
Noise and Vibration	
Heritage	
H1	Site induction shall include awareness of the heritage significance of the site. This shall include the importance of preventing accidental damage to any structure or historical remnants such as roads, steps & stairs, curbing, footings & foundations and picnic area facilities or interfering with any material associated with the heritage item.
H2	All activities or work undertaken within the heritage precinct shall be carried out in a manner that will protect the fabric of the heritage item from damage or interference during the work.
H3	If problems are encountered that necessitate a major change in the work method, works shall cease until the significance of the change can be assessed. The Water NSW Environmental Services Team shall be contacted for advice. Note: the works may require re-approval prior to recommencing, depending on the changes.
H4	Replacement of missing, damaged or deteriorated fabric shall match existing fabric in appearance, material and method of fixing. If this is not possible, specific advice shall be obtained from the Water NSW Environmental Services Team before undertaking the replacement.
Waste	
W1	All working areas shall be maintained, kept free of rubbish and cleaned up at the end of each working day. Equipment and materials shall be securely stored.
W2	If the contractor is working at the same location for more than one day, self-contained portable ablution and toilet facilities shall be provided, unless otherwise specifically negotiated with Water NSW. These facilities shall be located at least 20m from any natural or built drainage line or wetland.

W4	All waste fluids generated during the works, including from the washing of painting equipment and human effluent, shall be contained for proper disposal offsite in accordance with Workcover and NSW government guidelines.
Site Decommissioning and Restoration	
D2	Disturbed areas shall be reseeded wherever there is no local seed source for natural reseeded.
Fencing	
PROJECT SPECIFIC SAFEGUARDS	
PS1	Dewatering, fish monitoring and fish rescue – All NSW Fisheries requirements to be implemented.
PS4	<p>S.199 Consultation for proposed dredging and reclamation works for the maintenance of the fishway structure on Marebone Weir. DPI Fisheries have no objections to the proposed works for desilting activities at Marebone Weir Regulator & Fishway provided that;</p> <ol style="list-style-type: none"> 1. Environmental safeguards (e.g. sediment fences, silt curtains etc.) are to be installed consistent with "Managing Urban Stormwater: Soils and Construction" (4th Edition Landcom, 2004, aka the Blue Book (see http://www.environment.nsw.gov.au/resources/water/BlueBookVol1.pdf) to ensure that there is no escape of turbid plumes into the adjacent aquatic environment; 2. Any material removed from the waterway that is to be deposited or stockpiled on land is to be located well away from the waterway and to be contained by appropriate sediment control devices as outlined in the Blue Book.
STAKEHOLDER REQUIREMENTS	
SR2	Temporary stockpile drying site is to be reseeded once dried silt has been removed. All sediment controls are to be removed once site is stabilised.
SR9	Dewatering, fish monitoring and fish rescue – All NSW Fisheries requirements to be implemented.
DECLARATION AND SIGN-OFF	
<p>The proposed project/works described within this document are classified as 'exempt development' in accordance with the <i>Environmental Planning and Assessment Act 1979</i> (EP&A Act) and the <i>State Environmental Planning Policy (Infrastructure) 2007</i>. WaterNSW is satisfied that the proposed project/works:</p> <ul style="list-style-type: none"> • will have no more than a minimal impact on the environment, • will not significantly impact critical habitat of an endangered species, population or ecological community, or a wilderness area, • satisfy the requirements of clause 20 of the <i>State Environmental Planning Policy (Infrastructure) 2007</i>; and • do not involve the removal of asbestos unless that removal is undertaken in accordance with <i>Working with Asbestos: Guide 2008</i> published by the WorkCover Authority. <p>If the scope of work or work methods described in this report change either prior to or during works, additional Environmental Impact Assessment must be undertaken.</p>	
Approval ARK # ⓘ	D2023/21890[v2]
Environmental Adviser Approval Environmental Impact Assessment for Minor Works was approved/endorsed by	