

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 that significantly affect the environment.

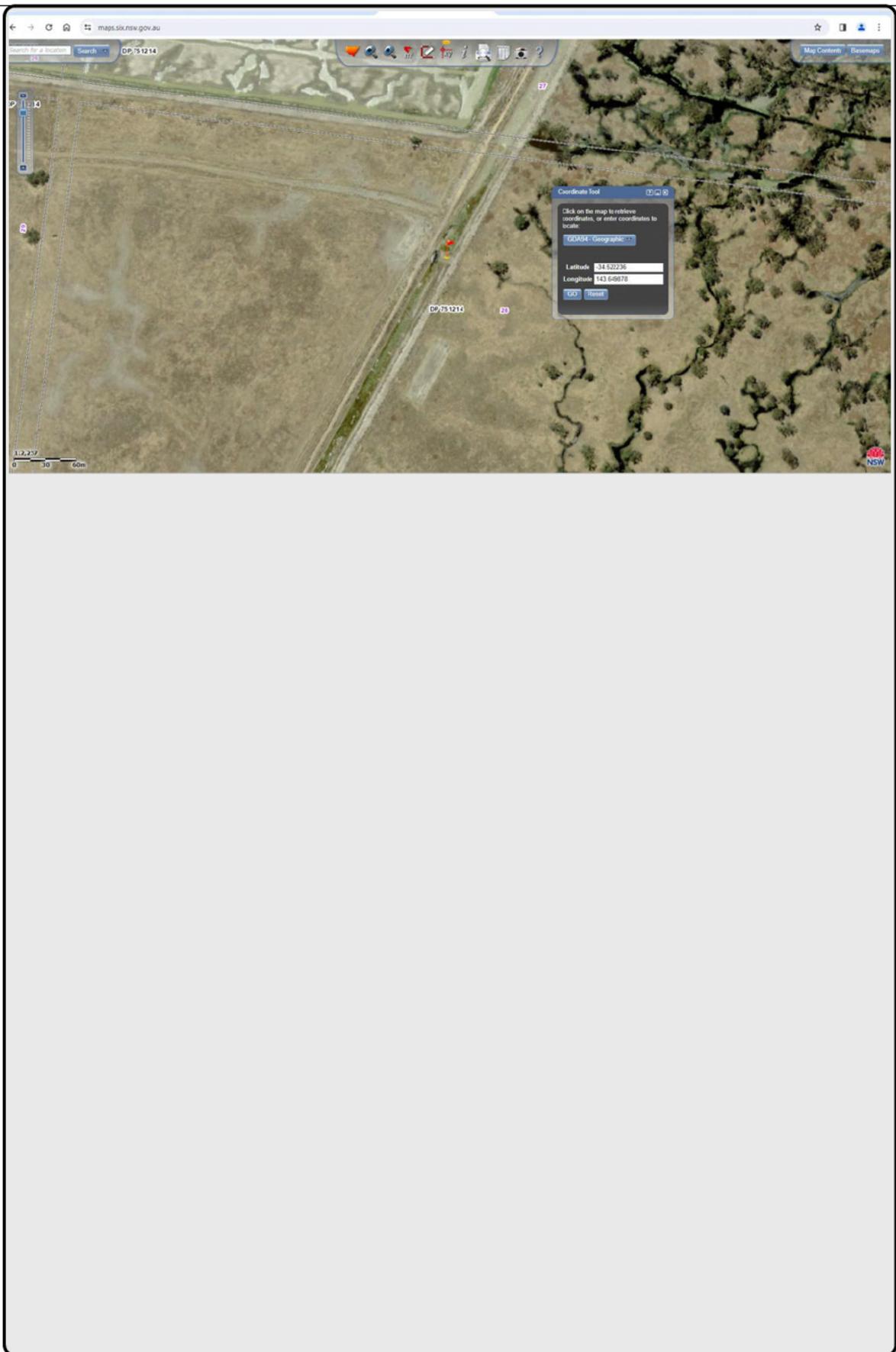
If you are unsure how to answer anything in this Form, please contact the Environmental Services Team for assistance and advice.

The EIA form is for use with Adobe Reader. Enable JavaScript when prompted by Adobe Reader.

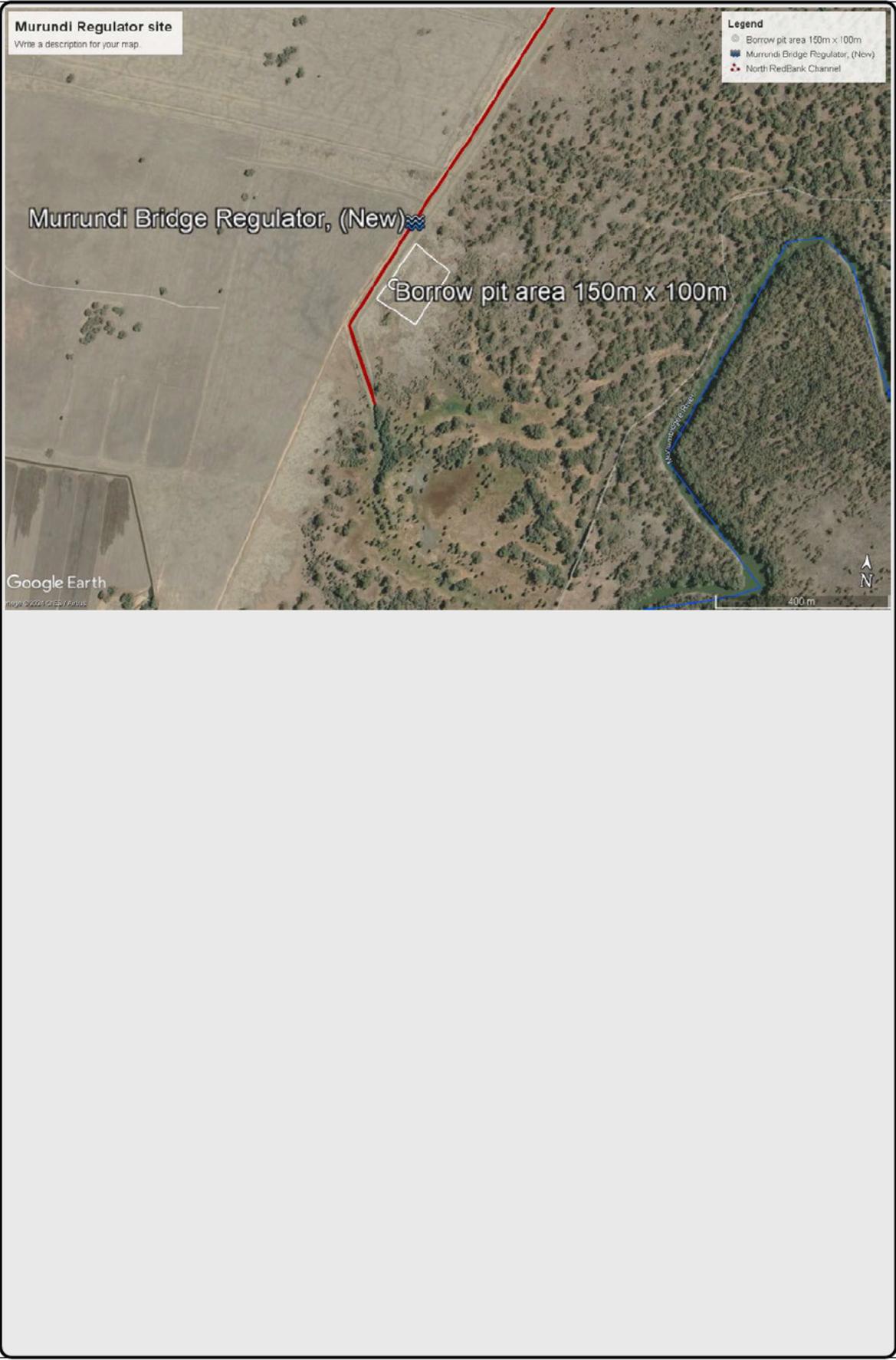
SECTION 1 PROJECT SCOPE

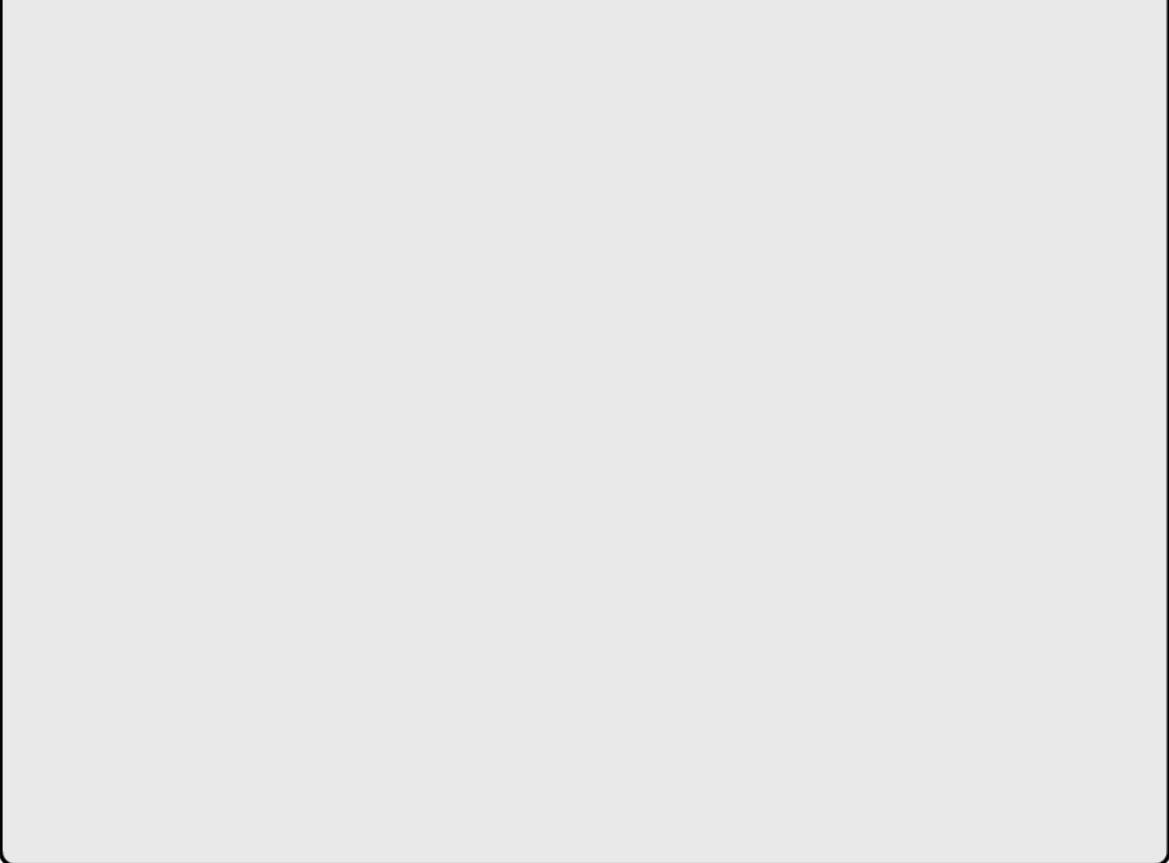
	QUESTIONS	ANSWERS	GUIDANCE
1.1	Organisation/Business Unit/Team	Regional Projects South Operations	
1.2	WaterNSW representative and contact details	[REDACTED]	
1.3	Has a site inspection been undertaken? If so by whom and when?	Yes [REDACTED]	<i>It is recommended the person undertaking site inspection should also complete this Form.</i>
1.4	ARK Reference – Project Folder/Work Folder	F2024/1434	<i>Save your work to ARK and include the ARK numbers here. Provide project/works folder for background information.</i>
1.5	Project Number/Budget Code	[REDACTED]	<i>Environmental Services time taken to process this request will be assigned to the project.</i>
1.6	Project or Works Value	\$1mil	<p><i>Publication of EIA/REF is required when:</i></p> <ul style="list-style-type: none"> - Capital investment is > \$5 million - an approval or permit is required under: <ul style="list-style-type: none"> - FM Act section 144, 201, 205 or 219 - Heritage Act section 57 - NP&W Act section 90 - POEO Act section 47-49 or 122 <p><i>or if it is considered to be in the public interest.</i></p>
1.7	Project or Works Title	Murrundi Bridge Regulator	<i>Include the full name of the project or work you propose undertaking.</i>
1.8	Scope of Works: What is to be undertaken and how?	<p>Construct a new twin cell Bridge regulator on the North RedBank Irrigation channel.</p> <p>The north RedBank channel is a 25km man made channel that provides the transfer of irrigation water to adjoining farms and red gum forests. It terminates approximately 400m from the proposed regulator.</p> <p>The new regulator will replace the current method of installing earthen block banks which is expensive and has environmental impacts.</p> <p>Regulator will consist of:</p> <ul style="list-style-type: none"> - Base foundation slab (constructed in-situ) - Twin cell 2x3 x 2400mm (w) 1800mm (h) box culverts, - Upstream & downstream Headwalls (constructed in-situ). - Twin vertical lift control Gates fabricated from marine grade aluminum <p>Construction will be carried out when channel is dry, Paika Bridge regulator (3.6km upstream) will be closed during construction to keep the site free from water flows.</p> <p>Soil won from foundation excavation will be used in embankment backfill of access ramps.</p> <p>Additional soil required for backfill will be sourced from a borrow pit located adjacent to work area.</p> <p>An Aboriginal cultural Heritage field Assessment was conducted on the 19/4/24 by Michael Brown</p> <p>A follow up cultural walkover performed by the Balranald LALC representative along with 2 additional traditional land owners on the 2/5/24</p> <p>Rock Beaching to be placed both upstream & downstream of completed structure to secure the site from erosion.</p> <p>Rock will be stockpiled on the approved borrow pit location.</p> <p>RITM0646789</p>	<p><i>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.</i></p>
1.9	Proposed Start Date and Expected Duration of works	5 weeks, completed before June 2025	

1.10	Planned Site Work Hours	Standard hours 7.00am to 6.00pm Mon to Fri Sat 8.00am to 1.00pm no work Sunday or public holidays	Identify the planned site work hours. Standard Hours are : Mon-Fri 7am-6pm, Sat 8am-1pm, No work Sunday or Public Holidays. Non-standard hours may require additional noise assessments to be prepared.
1.11	One-off Project or Routine work	<input checked="" type="radio"/> One Off <input type="radio"/> Routine	
1.12	Location	Murrundi Bridge Regulator lat =34.522236 long 143.649878	Identify the location of the project or work and the asset. Be sure to include the access roads / routes used to deliver materials to site
1.13	Site Plan / Photos / Aerial Photo: Add Figures or ARK reference to figures	Images 1 - lot/DP location 2 - Google Location/surrounding assets 3 - Borrow pit location 4 - Finished product example	
		<input type="button" value="Add Site Plans, Figures or Photo etc."/>	<input type="button" value="Remove Figure or Photo"/>









1.14	Is the land and/or asset owned by WaterNSW?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Site ownership details can be found at; Vested orders (DOC11/8076) for assets Government Property Register or Land Titles Office NULA
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1.14.2	If the land is not owned by WaterNSW, who is the landowner?	Land Owner - [REDACTED] Asset owned by Water NSW "North Red Bank Channel"	
1.15	Lot and DP	Lot 28 DP751214	Find a property using NULA or the NSW Planning Portal
1.16	What is the local government area (LGA)?	Barranald Shire Council	You can find the LGA by using NULA Maps or the NSW Planning Portal
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 checked="" type="radio"/> Yes <input 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.
1.19.1	Describe the nature, extent and location of the clearing.	Groundcover (mainly weeds) on previously disturbed area, inspected for Aboriginal Cultural heritage. The site for the bridge regulator has historically been used for the temporary installation of earthen block banks to store water.	Details to be included; the area of vegetation to be impacted, the type of vegetation to be cleared and how the vegetation will be impacted. http://www.environment.nsw.gov.au/vegetation/noapproval.htm Refer Tree Clearing Permit CD2021/110* before commencing.

FLORA AND FAUNA

Select the appropriate safeguards to manage the impacts

FF1	Flora and Fauna	Vegetation disturbance or clearing shall be minimised to the greatest degree practical and only in accordance with EIA approval.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
FF2	Flora and Fauna	Slashing groundcover shall be limited to a height of 150 to 200mm.	<input type="radio"/> Yes <input checked="" type="radio"/> N/A
FF3	Flora and Fauna	Any vegetative material that has been cleared, lopped or otherwise removed shall be retained and used as surface mulching to assist site revegetation on completion of the works.	<input type="radio"/> Yes <input checked="" type="radio"/> N/A
FF4	Flora and Fauna	Fallen logs shall be pushed out of the work areas and into adjoining areas wherever possible. Cutting up of logs over 40cm diameter with hollows shall be minimised.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
FF5	Flora and Fauna	Disturbance of rock ledges, caves, overhangs and surface bush rock shall be avoided wherever possible.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
FF6	Flora and Fauna	Retained vegetation and trees shall be protected from accidental damage, encroachment or smothering by temporary fencing, flagging or similar. Drip lines of trees are to be avoided.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
FF7	Flora and Fauna	All equipment transported to the site shall be free of contaminants such as weeds.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
FF8	Flora and Fauna	Undertake pre-clearance check including demarcation of trees and inspection for habitat features (e.g. tree hollows, nests etc) / fauna (engagement of ecologist required). Where possible clearing of vegetation with habitat features should be undertaken during summer to minimise potential impacts to nesting fauna.	<input type="radio"/> Yes <input checked="" type="radio"/> N/A

PEST AND WEED CONTROL

Select the appropriate safeguards to manage the impacts

P1	Pest and Weed Control	Control of weeds shall be undertaken by using appropriate government and industry accepted control methods. Removal of weeds from the site shall be properly disposed of at an appropriately licensed waste facility.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
P2	Pest and Weed Control	Notification of neighbours and other stakeholders shall be undertaken as required by the current relevant Pesticide Control Order issued under the Pesticides Act 1999 and in accordance with the Water NSW Pesticide Use Notification Plan.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A

P3	Pest and Weed Control	Herbicides and pesticides shall be stored and used in accordance with the relevant label directions, registration or permit conditions issued under the Agricultural & Veterinary Chemical Code (NSW) Act 1994 and Pesticides Act 1999 and Code of Practice issued by WorkCover NSW.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
P4	Pest and Weed Control	Mixing or decanting of herbicides shall not be undertaken within 20m of any natural or built drainage line or wetland.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
P5	Pest and Weed Control	All vehicles, vessels and equipment transported to the site shall be free of contaminants such as weeds. Care shall also be taken to ensure all vehicles, vessels and equipment are free of aquatic weeds and their seeds before leaving the site.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
P6	Pest and Weed Control	All debris from control works shall be removed from flood-prone areas and only left onsite with approval of WaterNSW	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
P7	Pest and Weed Control	Ensure record keeping of pesticide application compliant with the NSW Pesticides Regulation (2017).	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
1.20	Is the project or work located on, in or adjacent to (within 40m) of "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.
1.21	Is the project or work likely to result in any soil disturbance?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
1.22	Will the project or work require the stockpiling of any materials?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
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 include a regular check of: 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)	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
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	<input checked="" type="radio"/> Yes <input type="radio"/> N/A

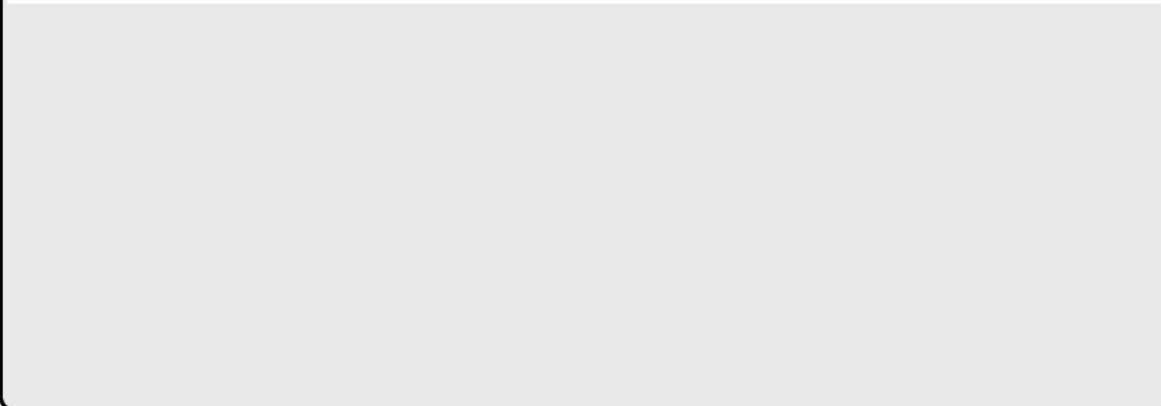
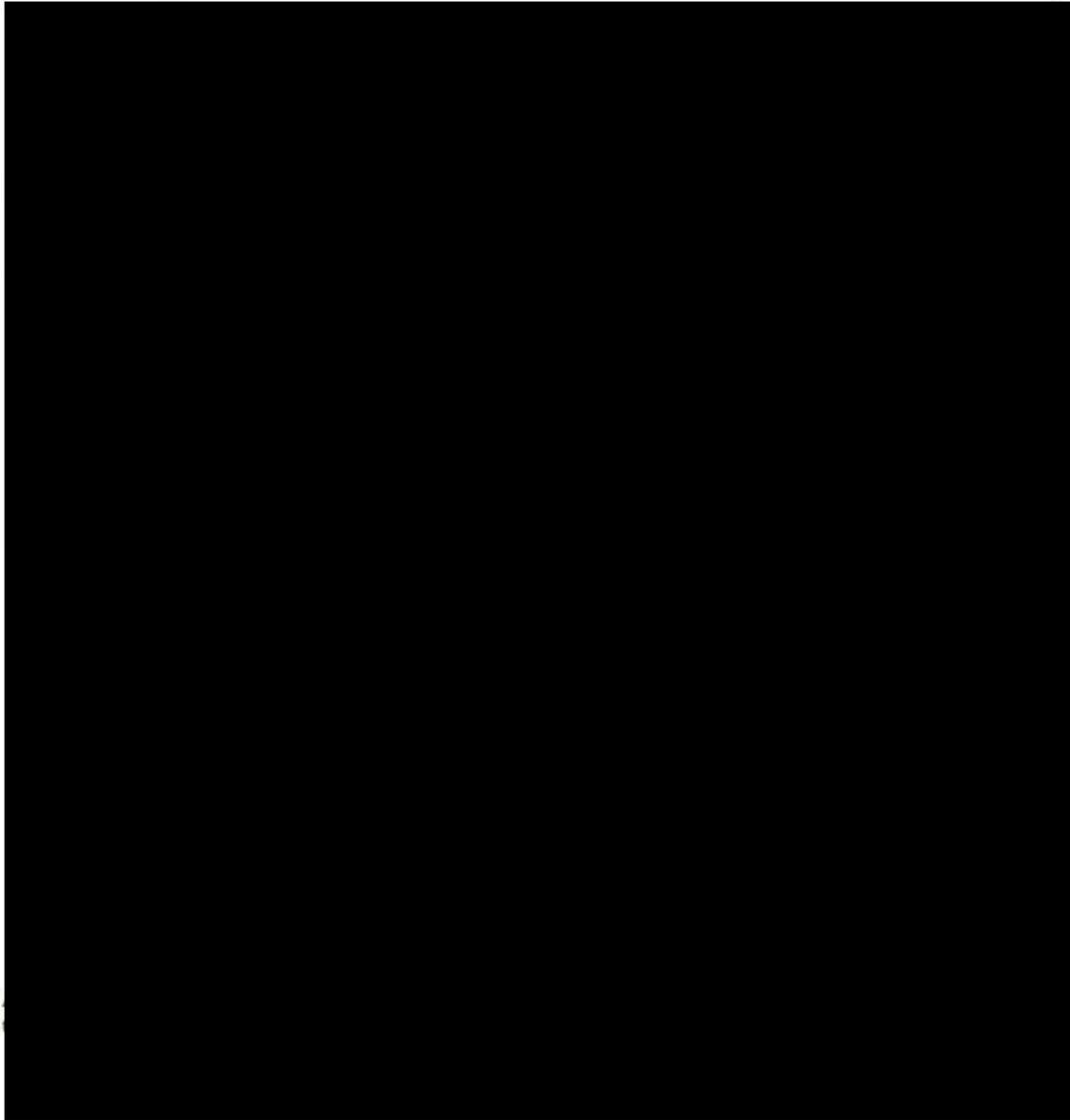
		established site compound, on a level area clear of native vegetation and at least 40m from any natural or built drainage line or wetland.	
SW7	Soil and Water	Plant and equipment shall not be refuelled within 20m of any natural or built drainage line or wetland. During any refuelling, spill containment 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 checked="" type="radio"/> Yes <input 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 type="radio"/> Yes <input checked="" 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	General, liquid and Concrete waste- to be contained and taken to an appropriate licensed waste facility.	Refer to EPA 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="radio"/> Yes <input type="radio"/> 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="radio"/> Yes <input type="radio"/> 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 checked="" type="radio"/> Yes <input type="radio"/> 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="radio"/> Yes <input type="radio"/> 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 checked="" type="radio"/> Yes <input type="radio"/> N/A
1.24	Will the project or work have an impact on members of the public or surrounding areas?	<input type="radio"/> Yes <input checked="" type="radio"/> 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 fences to be installed?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
1.25.2	Are temporary or new access tracks or roads to be developed?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
1.26	Are there any impacts on any Councils, utilities and/or roads?	<input type="radio"/> Yes <input checked="" type="radio"/> 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.
1.28	Are there any post-construction rehabilitation or future maintenance requirements?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Post rehabilitation may include replanting, rip rap and making good of a disturbed area.
1.28.1	Provide details of the rehabilitation requirements.	Management and rehabilitation of borrow pit to be undertaken in accordance with Landowner Agreement.	
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 checked="" type="radio"/> Yes <input type="radio"/> 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="radio"/> Yes <input type="radio"/> 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="radio"/> Yes <input checked="" type="radio"/> N/A
1.29	Is a Construction Environmental Management Plan (CEMP) required?	<input type="radio"/> Yes <input checked="" type="radio"/> 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	Basic like for like Upgrade project work will be contained to concrete structure. The project will formalise the usual temporary earthen bank using a historic borrow pit.	
1.30	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	Minor and routine works not requiring a CEMP can still require specific mitigation measures.
1.31	What is the myWaterNSW Aboriginal Heritage Assessment request number?	RITM0646789 - Murrundi Bridge Regulator and Borrow Pits Due Diligence Assessment completed 27 May 2024. Recommendations included in Environmental Safeguards below.	An Aboriginal Cultural Heritage Field Assessment is needed for all new infrastructure; maintenance and upgrades of existing infrastructure where there is no previous assessment; environmental surveys; and vehicle movements off approved access tracks.
Thank you for completing Section 1 of this Minor Works Environmental Impact Assessment . Ensure you have saved this form to ARK and included the ARK reference number above. Go to myWaterNSW, click 'Request Something' & create a service request for Environmental Services. Does the work trigger an Aboriginal Heritage Field Assessment? If so, it is required to complete the EIA.			Save to ARK and go to myWaterNSW to create a service request



Environmental Services Team - 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.

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, the State heritage register, National Heritage List or identified as a local heritage item on the LEP?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<p><i>Heritage to be checked:</i></p> <ol style="list-style-type: none"> 1. WaterNSW S170 Register (D2016/73126) 2. NSW Planning Portal 3. Relevant Council LEP 4. State Heritage Inventory Database
2.2	<p>Are there any:</p> <ul style="list-style-type: none"> - relevant confirmed site records or other associated landscape feature information on AHIMS? and/or - an Aboriginal Place? - 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? - an ILUA in place? 	<input checked="" type="radio"/> Yes <input type="radio"/> No	<p>Landscape features that indicate the likely existence of Aboriginal objects.</p> <p><i>Is the proposed activity</i></p> <ul style="list-style-type: none"> - 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 <p><i>AND the land is NOT previously disturbed</i></p> <p>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.</p> <p>ILUA - Indigenous Land Use Agreement - use Nula</p>



2.2.1 Can harm to Aboriginal objects listed on AHIMS or identified by other sources of information and/or can the carrying out of the activity within the relevant landscape features, be avoided?

Yes No

Possible solutions may include reducing the footprint area; re-positioning elements; re-routing infrastructure trenching or incorporating a no-development area into the site design.

2.2.3	Provide outcomes of consultation with First Nations Team regarding the site assessment and Heritage specialist.	RITM0646789 - Murrundi Bridge Regulator and Borrow Pits Due Diligence Assessment completed 27 May 2024. Recommendations included in Environmental Safeguards below.	<i>If your project or works is on land that is not disturbed land or contains known Aboriginal objects, engage expert to undertake desktop assessment and visual inspection of the area to see if Aboriginal objects can be identified or are likely to be present below the surface. Where Aboriginal objects are likely in the area of the proposed activity, an AHIP will be required.</i>
2.2.4	Provide details of any specific requirements that need to be included in the Environmental Approval?	<p>Prior to any impacts occurring for the installation of a new bridge regulator and 2 new borrow pits on the traditional country of the Muthi Muthi people, the following is recommended:</p> <p>Recommendation 1: Aboriginal Community Monitoring - During the field assessment, Aboriginal community representative, requested that during the ground disturbance components of the Borrow Pits an Aboriginal community representative is required to be present.</p> <p>Recommendation 2: Notification of Aboriginal heritage places and identified areas of sensitivity - A basic AHIMS search was conducted on the 20th of May 2024 by Michael Brown Client ID 893545. For full report see attached AHIMS search in Appendix 1. No Aboriginal items were found during the site survey.</p> <p>Recommendation 3: No further archaeological assessment is required in the Activity Area. Following the Aboriginal object due diligence desktop review and field assessment observations, and recommendations 1 to 2, no further archaeological assessment is required in the Activity Area.</p> <p>Recommendation 4: Discovery of Unanticipated Aboriginal Objects. All Aboriginal objects and Places are protected under the NPW Act. It is an offence to knowingly disturb an Aboriginal object or Place without consent permit issued by the Department of Climate Change, Energy, Environment and Water (DCCEEW) under the NPW Act 1974. Should any Aboriginal objects be encountered during works associated with this assessment proposal, works must cease immediately, and the Water NSW unexpected find procedure be initiated</p> <p>Recommendation 5: Discovery of Aboriginal Ancestral remains - Aboriginal ancestral remains may be found in a variety of landscapes in NSW, including middens and sandy or soft sedimentary soils. If any suspected human remains are discovered during any activity, you must: 1. Immediately cease all work at that location, and no further movement or disturbance of the remains and with a buffer of at least 20 metres, to avoid further harm. 2. Refer to and initiate the Water NSW unexpected finds procedure (CD2012/184*).</p>	SR3

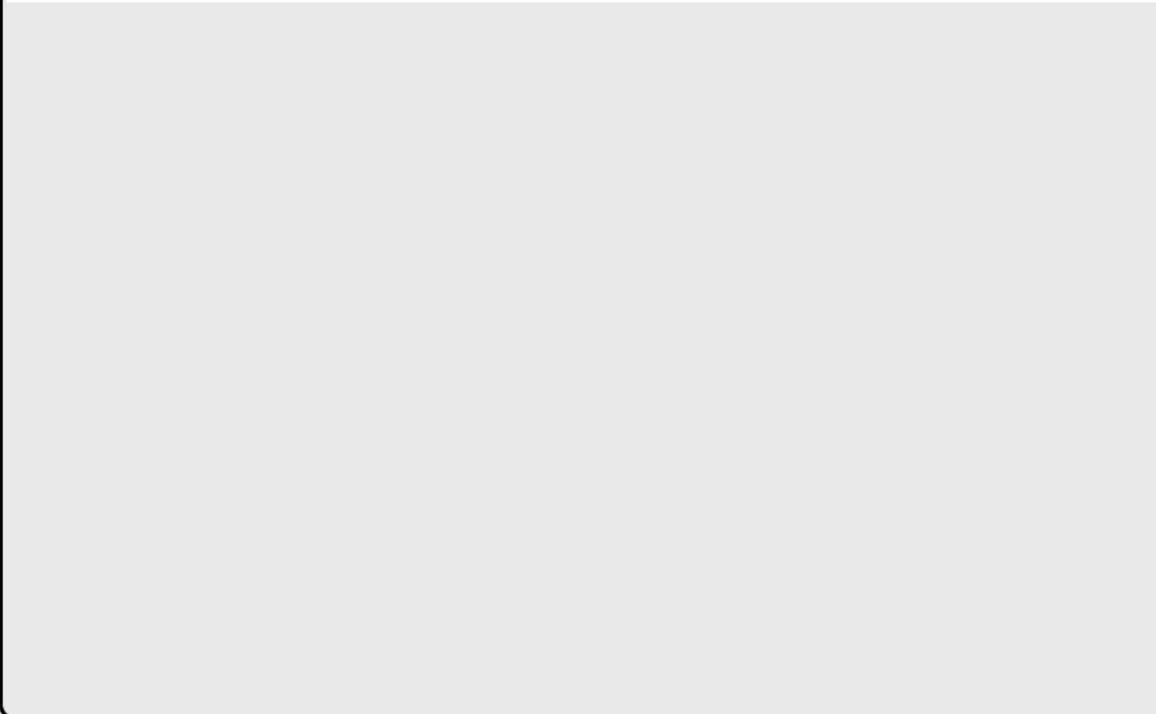
HERITAGE

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 type="radio"/> Yes <input checked="" 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 type="radio"/> Yes <input checked="" 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 type="radio"/> Yes <input checked="" 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 in 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	<input type="radio"/> Yes <input checked="" type="radio"/> N/A

		Environmental Services Team should be contacted for advice on the appropriate course of action to take.	
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? <ul style="list-style-type: none"> • 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	Provide detailed project information relevant to the searches undertaken that supports the outcome.	Protected Matters search and review of NULA indicate records of the Endangered Australasian Bittern and Vulnerable White-bellied Sea-Eagle near the work area.	
2.4	Is the project or works within or likely to affect any of the following areas: <ul style="list-style-type: none"> • World Heritage Land or land to which SEPP (Resilience& Hazards) 2021 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 Warramba 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 (Biodiversity and Conservation) 2021 or the Local Land Services Act 2013? Use the Native Vegetation Regulatory Maps to determine vegetation category.	<input type="radio"/> Yes <input checked="" type="radio"/> No	Check permissibilities under the LLS Act and State Environmental Planning Policy (Biodiversity and Conservation) 2021. Refer to the Local Land Services Act 2013 Section 60A 60O 60Q Schedule 5A for authorisations and permissibilities.
2.6.1	Provide details about the extent and nature of the clearing activity. Include what authorisations exist or approvals are required.	Works are considered permissible without consent under Part 5 of the EP&A Act and therefore approval is not required as outlined in Section 60 O of the Local Land Services Act.	Ensure no ancillary activities require clearing. Record justification if clearing can be undertaken without approval. Attach evidence of consultation where required.

Overview of 100% visibility of the Activity Area, facing Buffalo, galvanised burr, and poverty grass covered the Activity Area.





2.7

Is the project or work likely to have only a minimal impact on the environment?

Yes No

A project is likely to have more than a minimal impact if for example:

- 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*

			<ul style="list-style-type: none"> • 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 all additional information relevant to the activity that supports the above assessment.	Both areas subject to the works have previously been used for the temporary location of an earthen block bank within the Redbank Channel and also in the borrow pit area (for the earthen material). The project site exists in a highly cleared agricultural landscape, used for primary production including stock grazing and cropping.	Details here will not appear elsewhere on the approval. Whether Yes or No response is provided, add supporting details.
2.7.2	Does the project or work fall within one of the associated exempt development types listed under SEPP (Transport and Infrastructure) 2021 Chapters or Schedule 1; or alternative Environmental Planning Instrument?	<input type="radio"/> Yes <input checked="" type="radio"/> No	If TISEPP clauses don't adequately describe the project or works, including Schedule 1; consider State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
2.7.4	Does the project or work fall within one of the development categories permitted without consent listed under SEPP (Transport and Infrastructure) 2021 and does the project or work comply with any criteria specified in the relevant clause?	<input checked="" type="radio"/> Yes <input type="radio"/> No	If there is no applicable development category, consider what approval mechanism is most likely to apply for the project.
2.7.5	Detail the planning instrument, development category and development without consent type that best describes the project or works?	SEPP (Transport and Infrastructure) 2021 Division 24 Water Supply Systems 2.159 Development permitted without consent (2) Development for the purpose of water storage facilities may be carried out without consent if it is carried out by or on behalf of— (a) any public authority on land in Zone RU1 Primary Production, Zone RU2 Rural Landscape, Zone SP1 Special Activities, Zone SP2 Infrastructure or an equivalent land use zone	

Complete Section 3 Minor Works Review of Environmental Factors

2.8	Are there any special environmental safeguards, controls or mitigation measures that need to be implemented during the project?	<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	<p>Activities that could trigger requirement include:</p> <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 of aquatic impacts. Add specific project safeguards and/or Fisheries requirements & safeguards that need to be included in the Environmental Approval.	S.199 Consultation for proposed dredging and reclamation works. DPI Fisheries recommend using best practice sediment and erosion controls and working when water levels are low to protect any downstream habitats.	

SECTION 3 MINOR WORKS REVIEW OF ENVIRONMENTAL FACTORS

	QUESTIONS	ANSWERS	GUIDANCE
3.1	Are the project or works outside of standard construction hours (refer 1.10)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<p>The planned site work hours were identified at 1.10.</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> <p>Refer - NSW EPA Interim Construction Noise Guidelines for assessment guidance. Note: these guidelines are to be replaced, refer NSW EPA construction noise web site for changes.</p>
3.2	Does the project or work require a permit/ approval under the Water Act and/or Water Management Act?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<p>Activities that could trigger requirement include:</p> <ul style="list-style-type: none"> • Water supply, drainage or flood works • Affect flow of water to or from river or lake (e.g. a levee on a floodplain) • Water use (e.g. water extraction from a river)

3.3	Does the project or work require a permit/ approval/consultation from any other relevant authorities/agencies?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<i>Note: Relevant authorities/ agencies may include, but are not limited to:</i> <ul style="list-style-type: none"> - LLS (natural resource management) - DPE-Environment/NP&WS (works on or adjacent to land reserved under National Parks & Wildlife Act) - DPI – NSW Crown Lands Division - DPI – State Forests - Local Council (flood liable land) - Roads and Maritime Services (works affecting RMS roads or in navigable waters) - MDBA (River Murray works) - TISEPP consultation
3.3.1	Provide details of impact and outcomes of any consultation	S.199 Consultation for proposed dredging and reclamation works. DPI Fisheries recommend using best practice sediment and erosion controls and working when water levels are low to protect any downstream habitats.	
3.3.2	Detail stakeholder specific requirements that need to be included in the Environmental Approvals.		SRS
3.4	Will the project or work involve working in the riverine land of the Murray River, the waters and the bed and banks of its tributaries and associated water bodies OR along the NSW Border?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Check map indexes to see affected areas STW130254 e.g. Conargo, Corowa, Deniliquin, Hume, Murray, Wakool, Wentworth and Windouran
3.5	Will the project or work (including any access tracks or ancillary works) affect, or likely to affect, any threatened species, population, ecological community or their habitat? (this includes State or Commonwealth listings)	<input type="radio"/> Yes <input checked="" type="radio"/> No	Check: 1. OEH Critical Habitat Register 2. NSW BioNet - NSW Wildlife Atlas Search 3. Threatened fish species 4. EPBC - Protected Matters SearchTool https://www.environment.gov.au/epbc/what-is-protected
3.6	Will the project or work have an affect on a Matter of National Environmental Significance?	<input type="radio"/> Yes <input checked="" type="radio"/> No	The EPBC - Protected Matters SearchTool can be used to find out if an area is likely to contain MNES. For guidance on undertaking an Assessment of Significant Effect refer to the Significant Impact Guidelines 1.1 - Matters of National Environmental Significance
3.7	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	Is there anything special about the site that needs to be protected? Are there any site specific controls or measures that you think the contractor needs to understand and follow?
3.7.1	Provide details	Works to be undertaken in accordance with Landowner Agreement.	PS2
3.8	Is the activity likely to significantly affect the environment including, critical habitat, threatened species, populations or ecological communities or their habitats?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Part 5 of EP&A Act, states if the activity is "likely to significantly affect the environment (including critical habitat) or threatened species, populations or ecological communities, or their habitats", then there is likely to be a significant impact and an EIS/SIS must be prepared, see Sections 5.1 & 5.5.
3.8.1	What is the likely impact of the activity on the environment?	Low potential as works are on existing roads, channel and historic borrow pit. These works will formalise the temporary earthen structure in the channel. Works will be undertaken when the channel is dry. Paika Bridge regulator (3.6km upstream) will be closed during construction to keep the site free from water flows.	When considering the likely impact of an activity on the environment, the proponent and determining authority must take into account the factors listed in clause 171(2) of the EP&A Regulation or Table 1 of the Guidelines for Division 5.1 Assessments.
Section 4 - Environmental Approval to be completed, finalised, filed in ARK project folder and sent to the Project Manager			

SECTION 4 ENVIRONMENTAL APPROVAL	
Project Details	
myWaterNSW Request #: RITM	RITM0657417
WaterNSW Contact	██████████
Project Title	Murrundi Bridge Regulator
Approved Activity	<p>Construct a new twin cell Bridge regulator on the North RedBank Irrigation channel. The north RedBank channel is a 25km man made channel that provides the transfer of irrigation water to adjoining farms and red gum forests. It terminates approximately 400m from the proposed regulator. The new regulator will replace the current method of installing earthen block banks which is expensive and has environmental impacts. Regulator will consist of:- Base foundation slab (constructed in-situ)-Twin cell 2x3 x 2400mm (w) 1800mm (h) box culverts, - Upstream & downstream Headwalls (constructed in-situ)- Twin vertical lift control Gates fabricated from marine grade aluminum Construction will be carried out when channel is dry, Paika Bridge regulator (3.6km upstream) will be closed during construction to keep the site free from water flows. Soil won from foundation excavation will be used in embankment backfill of access ramps. Additional soil required for backfill will be sourced from a borrow pit located adjacent to work area. An Aboriginal cultural Heritage field Assessment was conducted on the 19/4/24 by Michael Brown A follow up cultural walkover performed by the Balranald LALC representative along with 2 additional traditional land owners on the 2/5/24 Rock Beaching to be placed both upstream & downstream of completed structure to secure the site from erosion. Rock will be stockpiled on the approved borrow pit location. RITM0646789</p>
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 as may be required.</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;

	<ul style="list-style-type: none"> 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	<p>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:</p> <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	<p>Temporary compounds and stockpiles shall be located:</p> <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.
SW11	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.
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.
Flora and Fauna	
Pest and Weed Control	
P1	Control of weeds shall be undertaken by using appropriate government and industry accepted control methods. Removal of weeds from the site shall be properly disposed of at an appropriately licensed waste facility.
P2	Notification of neighbours and other stakeholders shall be undertaken as required by the current relevant Pesticide Control Order issued under the Pesticides Act 1999 and in accordance with the Water NSW Pesticide Use Notification Plan.
P3	Herbicides and pesticides shall be stored and used in accordance with the relevant label directions, registration or permit conditions issued under the Agricultural & Veterinary Chemicals Code (NSW) Act 1994 and Pesticides Act 1999 and Code of Practice issued by WorkCover NSW.
P4	Mixing or decanting of herbicides shall not be undertaken within 20m of any natural or built drainage line or wetland.
P5	All vehicles, vessels and equipment transported to the site shall be free of contaminants such as weeds. Care shall also be taken to ensure all vehicles, vessels and equipment are free of aquatic weeds and their seeds before leaving the site.
P6	All debris from control works shall be removed from flood-prone areas and only left onsite with approval of WaterNSW
P7	Ensure record keeping of pesticide application compliant with the NSW Pesticides Regulation (1995) and Pesticides Amendment (Records) Regulation
Air Quality	
Noise and Vibration	
Heritage	
H3	If problems are encountered that require 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.
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.
W3	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, WorkCover and regulatory agency (EPA) guidelines.
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.
W5	All waste removal, transport and disposal, including excess spoil, shall be in accordance with the regulatory agency's (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.
Site Decommissioning and Restoration	
D1	On completion of the works and prior to leaving the site: <ul style="list-style-type: none"> - 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
D2	Disturbed areas shall be reseeded wherever there is no local seed source for natural reseeded.
Fencing	
PROJECT SPECIFIC SAFEGUARDS	
PS2	Works to be undertaken in accordance with Landowner Agreement.
PS4	S.199 Consultation for proposed dredging and reclamation works. DPI Fisheries recommend using best practice sediment and erosion controls and working when water levels are low to protect any downstream habitats.
STAKEHOLDER REQUIREMENTS	
SR3	Prior to any impacts occurring for the installation of a new bridge regulator and 2 new borrow pits on the traditional country of the Muthi Muthi people, the following is recommended: Recommendation 1: Aboriginal Community Monitoring – During the field assessment, Aboriginal community representative, requested that during the ground disturbance components of the Borrow Pits an Aboriginal community representative is required to be present. Recommendation 2: Notification of Aboriginal heritage places and identified areas of sensitivity - A basic AHIMS search was conducted on the 20th of May 2024 by Michael Brown Client ID 893545. For full report see attached AHIMS search in Appendix 1. No Aboriginal items were found during the site survey. Recommendation 3: No further archaeological assessment is required in the Activity Area. Following the Aboriginal object due diligence desktop review and field assessment observations, and recommendations 1 to 2, no further archaeological assessment is required in the Activity Area. Recommendation 4: Discovery of Unanticipated Aboriginal Objects. All Aboriginal objects and Places are protected under the NPW Act. It is an offence to knowingly disturb an Aboriginal object or Place without consent permit issued by the Department of Climate Change, Energy, Environment and Water (DCCEEW) under the NPW Act 1974. Should any Aboriginal objects be encountered during works associated with this assessment proposal, works must cease immediately, and the Water NSW unexpected find procedure be initiated Recommendation 5: Discovery of Aboriginal Ancestral remains - Aboriginal ancestral remains may be found in a variety of landscapes in NSW, including middens and sandy or soft sedimentary soils. If any suspected human remains are discovered during any activity, you must: 1. Immediately cease all work at that location, and no further movement or disturbance of the remains and with a buffer of at least 20 metres, to avoid further harm. 2. Refer to and initiate the Water NSW unexpected finds procedure (CD2012/184*).
SR5	
DECLARATION AND SIGN-OFF	
Author Certification - I certify that I have reviewed and endorse the contents of this EIA document and, to the best of my knowledge, it is in accordance with the EP&A Act 1979, the EP&A Regulation 2021 and the Guidelines approved under clause 170 of the EP&A Regulation 2021, and the information it contains is neither false nor misleading.	
This REF has been prepared in accordance with Section 5.5 of the <i>Environmental Planning and Assessment Act 1979</i> (EP&A Act). Under Part 5 of the EP&A Act, WaterNSW is both the proponent and determining authority for the proposed activity. The State Environmental Planning Policy (Transport & Infrastructure) 2021 allows the proposal to be carried out without development consent. WaterNSW has prepared this REF in accordance with Clause 170 of the Environmental Planning and Assessment Regulation 2021.	
On the basis of the assessment and having taken into account to the fullest extent possible all matters likely to affect the environment as a result of the proposed activity, it is concluded that, by adopting the measures identified in the REF, there is unlikely to be a significant environmental impact as a result of undertaking the proposed activity. Accordingly, an Environmental Impact Statement (EIS) is not required.	
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.	
If this Minor Works EIA/REF is to be published in accordance with the NSW DPE <i>Guidelines for Division 5.1 assessments</i> , all relevant studies used to prepare the EIA are to be attached to the form & placed on the WaterNSW website prior to the commencement of works.	

Approval ARK # ⓘ	D2024/31147[v2]
Environmental Adviser Approval Environmental Impact Assessment for Minor Works was approved/endorsed by	