

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.

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	Asset Investigations	
1.2	WaterNSW representative and contact details	[REDACTED]	
1.3	Has a site inspection been undertaken? If so by whom and when?	Yes, multiple times in Jan 2025 and July 2025	<i>It is recommended the person undertaking site inspection should also complete this Form.</i>
1.4	ARK Reference – Project Folder/Work Folder	F2025/2673	<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	\$35,000	<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	Berembed Weir Baulks Project. Work being undertaken is concrete coring	<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>The proposed works will involve the extraction of concrete cores from the two gate piers. The scope and methodology will be as follows:</p> <ul style="list-style-type: none"> - Materials engineer from GHD will be on site and undertake a visual assessment of the concrete elements, as well as a delamination (sounding) survey and provide direction on concrete coring locations ensuring there are no defects in the proposed coring positions. - Rope access contractor DBC Group will provide safe access to the coring locations as well as completing the concrete core drilling and subsequent reinstatement of the concrete. - DBC Group will setup rope access equipment including temporary scaffolding on the downstream side of the piers to enable access. Refer to D2025/116663 for access plan mockup. Example of scaffolding also shown in figures included below. - DBC will then complete the concrete coring by using a core drill (example in image below) and a custom drill bit to suit the 80mm diameter x 250mm length core samples. - Extraction of concrete core samples from the two gate piers using a concrete coring drill. Locations shown in D2025/96310 in section 3 page 9. - A total of 8 core samples will be collected, with four core samples to be collected from each each of the two piers. - The core size will be 80mm diameter by approximately 250mm in depth - The core samples will then be removed from site for strength testing - The core holes will be reinstated using Fosroc Renderoc Rapid which has been identified as the most suitable product by GHD materials engineer, based on the concrete age and strength requirements. - Colour can be modified using pigments that will be trialled before attending site, with the most suitable colour to be selected to blend in to the existing concrete. The core holes will be finished flat with the existing concrete piers. - Upon completion of coring all temporary scaffolding to be removed from site. 	<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>
1.9	Proposed Start Date and Expected Duration of works	Start date proposed Wednesday 22 October 2025 with completion of all works on Thursday 23 October 2025. If this fails to go ahead as scheduled, work will be rescheduled in the following weeks	

1.10	Planned Site Work Hours	7:30am-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.	The proposed coring is to be undertaken to inform the design and optioneering process for new baulks/stoplogs at Berembled Weir. Concrete coring is required to determine if the existing structure is structurally adequate to install baulks to. There are no other alternate options to determine the material strength.	Describe all options that were considered and why the preferred option was selected.
1.12	Location	Berembled Weir -34.8793, 146,8364 General Access will be via the normal/public access road.	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	Refer to D2025/1098234 for Heritage NSW s60 fast track approval See proposed coring locations and access plan mockup below. Example scaffold setup for rope access also shown from recent work at Warragamba	
		<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; background-color: #90EE90; padding: 2px 10px;">Add Site Plans, Figures or Photo etc.</div> <div style="border: 1px solid black; background-color: #FF8C00; padding: 2px 10px;">Remove Figure or Photo</div> </div>	

Table 3.1 Indicated areas for proposed works



Photograph 3.1 Berembed Weir gate pier. View north-east.



Photograph 3.2 Berembed Weir gate pier. View south-east.









1.14	Is the land and/or asset owned by WaterNSW?	<input checked="" type="radio"/> Yes <input 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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1.14.1	Provide evidence of ownership and detail what the land is used for	WaterNSW land as confirmed in NULA maps.	Provide details of land use e.g operational area, Special Area, Controlled Area, recreational area, agricultural area etc http://www.watersw.com.au/supply/Greater-Sydney/system NULA
1.15	Lot and DP	Lot 1 DP750854	Find a property using NULA or the NSW Planning Portal
1.16	What is the local government area (LGA)?	Wagga Wagga City Council / Narrandera 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 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 "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	Works on the weir piers over the Murrumbidgee River.	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 type="radio"/> Yes <input checked="" type="radio"/> No	
1.22	Will the project or work require the stockpiling of any materials?	<input type="radio"/> Yes <input checked="" 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 type="radio"/> Yes <input checked="" 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 type="radio"/> Yes <input checked="" 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 type="radio"/> Yes <input checked="" type="radio"/> N/A

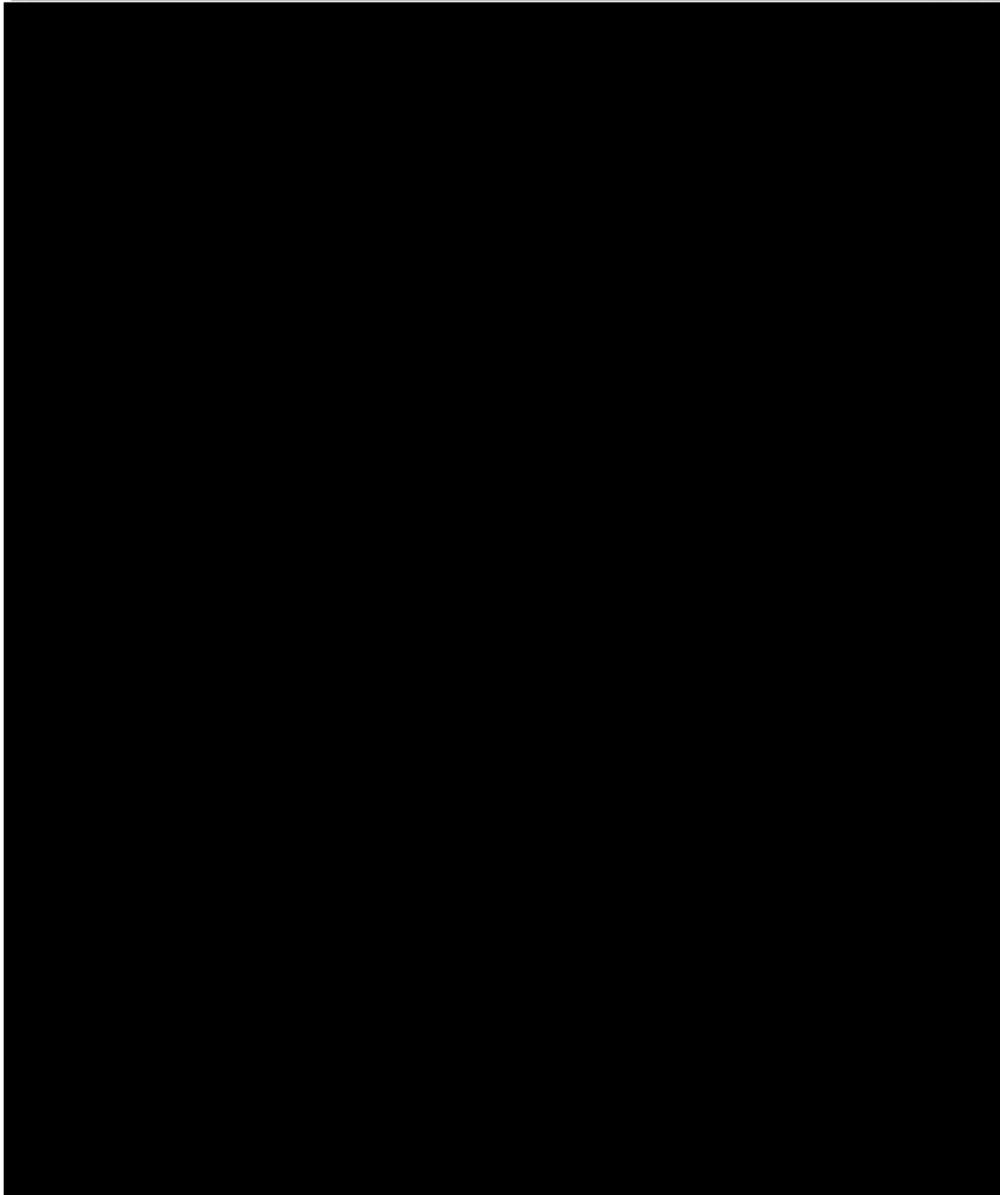
SW5	Soil and Water	Chemicals, fuels and lubricants shall be securely stored in approved containers and spill containment material shall be kept on site ready for immediate use. Bund capacity is to be at least 110 % of the largest container & 25% of the total stored volume	<input checked="" type="radio"/> 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 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 type="radio"/> Yes <input checked="" 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	Waste will only be small amounts of leftover cement/grout used to refill the core locations.	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 type="radio"/> Yes <input checked="" 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 type="radio"/> Yes <input checked="" 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 checked="" type="radio"/> Yes <input 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.
1.24.1	Provide details of the impact e.g. access, noise disturbance, dust.	During concrete coring there may be noise generated during drilling that may be heard from the camping area. The access bridge may be closed for short durations to allow loading/unloading of scaffolding materials.	
COMMUNITY			
Select the appropriate safeguards to manage the impacts			
C1	Community	A Community Engagement Plan, or equivalent, shall be prepared to the satisfaction of the Water NSW Communications Team before work commences.	<input type="radio"/> Yes <input checked="" type="radio"/> N/A
C2	Community	All contractors' (and any sub-contractors') personnel employed for the works shall maintain a tidy appearance and exercise courtesy in all dealings with the public.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
C3	Community	All access through, or work within any private property shall be undertaken with a minimum of inconvenience to the owner/occupier	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
NOISE AND VIBRATION			
Select the appropriate safeguards to manage the impacts			
N1	Noise and Vibration	All practicable and feasible measures shall be taken to minimise noise. All vehicles, plant and equipment shall comply with relevant EPA and Workcover requirements.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
N2	Noise and Vibration	For any work approved to be undertaken outside standard hours, the emitted noise should not exceed the background noise level + 5dB(A)	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
AIR QUALITY			
Select the appropriate safeguards to manage the impacts			
AQ1	Air Quality	All practicable and feasible measures shall be taken to avoid raising excessive levels of dust.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
AQ2	Air Quality	All vehicles, plant and equipment shall be properly maintained to reduce vehicle and plant emissions. If visible smoke is seen for longer than 10 seconds duration from any engine while working on the site, the machine shall be taken out of service and adequately tuned or repaired so that such extended smoke emission no longer occurs.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
AQ3	Air Quality	Wherever possible, vehicles, plant and equipment shall be switched off when not in use.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
AQ4	Air Quality	Hazardous material shall be handled as per relevant guidelines to avoid potential air pollution.	<input checked="" type="radio"/> Yes <input type="radio"/> N/A
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 type="radio"/> Yes <input checked="" type="radio"/> No	Post rehabilitation may include replanting, rip rap and making good of a disturbed area.
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	Small scale work with minimal impact that can be managed by safeguards identified in EIA.	
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?	N/A - all works are occurring wholly within the historic fabric of Berembed Weir.	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.
<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>Does the work trigger an Aboriginal Heritage Field Assessment? If so, it is required to complete the EIA.</p>			Save to ARK and go to myWaterNSW to create a service request
<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, the State heritage register, National Heritage List 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 4. State Heritage Inventory Database
2.1.1	Identify and describe the works with regard to the heritage significance.	Berembed Weir and Site is on the State Heritage Register (#00957) and the Wagga Wagga LEP (I309). Given the nature of the works a s60 approval under the Heritage Act from Heritage NSW is required.	
2.1.2	Will there be ground disturbance at a locally significant site or where a relic is predicted to occur?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Refer first to the Heritage NSW Archeological Exceptions as guidance for works which may be done under the Exceptions (ensuring you can also meet the General conditions) or secondly the WaterNSW Exceptions (D2022/152136). If the work can be done under either Exception it must be recorded in D2020/133333. If the proposed activities/works do not comply with the Exceptions, approval under s149 of the Heritage Act 1977 may be required. Consult with the Heritage Specialist or Adviser
2.1.3	Is the item identified on the LEP as locally significant?	<input checked="" type="radio"/> Yes <input 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	Will the impacts be more than minor or inconsequential?	<input checked="" type="radio"/> Yes <input type="radio"/> No	If there is more than minor or inconsequential impact to a local heritage item, Council notification with provision of a heritage impact assessment for the works is required, and any comments received within 21 days should be considered.
2.1.5	Is the item only listed on the WaterNSW s170 Register or will it be demolished or partially demolished or become unoccupied?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Discuss with the Heritage Specialist or Adviser for advice. If demolition or vacating is occurring, notification to Heritage NSW must be undertaken immediately.
2.1.7	Include details that support the above conclusions and any outcomes of consultation with the heritage specialist.	Berembed Weir is state heritage listed (SHR 00957). As the extraction of eight core samples from the two gate piers is located on a State heritage asset, a SoHI was prepared (D2025/96310) to satisfy the requirements of the Heritage Act 1977 and the Conservation Management Plan (CMP) (NGH 2013) prepared to guide the management of the site and accompanied a Section 60 application. Pursuant to section 63 of the Heritage Act 1977, approval was granted subject to conditions (D2025/109234) as also attached.	
2.1.8	Is the item identified on the National Heritage List?	<input type="radio"/> Yes <input checked="" type="radio"/> No	If yes contact the Heritage Specialist or Adviser to discuss the impact of works and test against the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) to ensure that the works do not have a significant impact on MNES.
2.1.9	Detail specific requirements or measures that need to be included in the Environmental Approval.	Pursuant to section 63 of the Heritage Act 1977, approval granted by Heritage NSW on 8 September 2025 (D2025/109234). Works to be undertaken in accordance with Section 60 Approval (D2025/109234) as attached.	SR2
2.2	Are there any: - 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 type="radio"/> Yes <input checked="" 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

			<p><i>(AHIMS) Web Services search must be undertaken using 200m buffer of the project or work and if positive undertake within 50m.</i></p> <p>ILUA - Indigenous Land Use Agreement - use Nula</p>



0 October 2025

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
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
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	<p>There are 49 areas of Wilderness across NSW, 4 affecting the Sydney Drinking Water Catchments: Look up details using NULA.</p> <p>For land declared critical habitat, check:</p> <ol style="list-style-type: none"> 1. OEH Critical Habitat Register 2. DPI Fisheries Register of Critical Habitat <p>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)</p> <p>An Area of Outstanding Biodiversity Value is declared under the Biodiversity Conservation Act 2016 and includes critical habitat.</p>
2.3.1	Provide detailed project information relevant to the searches undertaken that supports the outcome.	<p>NULA identifies a record of the Vulnerable Brown Tree creeper next to the weir and also records of the Endangered Koala close by.</p> <p>The Murrumbidgee River at Berembed Weir is considered Key Fish Habitat and is mapped as potential habitat for the following threatened fish species:</p> <ul style="list-style-type: none"> - Murray Crayfish - Trout Cod - Silver Perch - Flathead Galaxias 	
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	<p>The Warragamba Special Area is within the Greater Blue Mountains World Heritage Area.</p> <p>See SEPP (Exempt & Complying Development) 2008 Clause 1.5 for inclusions of environmentally sensitive areas, use hyperlink to check:</p> <ul style="list-style-type: none"> - 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 <p>If works will impact on National Park or area with a conservation agreement consultation is required.</p>
2.5	Are there any known contamination/hazardous materials issues?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<p>Examples may include asbestos, contaminated soil.</p> <p>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</p>
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	<p>Check permissibilities under the LLS Act and State Environmental Planning Policy (Biodiversity and Conservation) 2021.</p> <p>Refer to the Local Land Services Act 2013 Section 60A 60Q 60Q Schedule 5A for authorisations and permissibilities.</p>
2.6.1	Provide details about the extent and nature of the clearing activity. Include what	Vegetation clearance not required.	<p>Ensure no ancillary activities require clearing.</p> <p>Record justification if clearing can be undertaken without</p>

	authorisations exist or approvals are required.		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 all additional information relevant to the activity that supports the above assessment.	Works to be undertaken on Berembed Weir, on existing infrastructure and roads, with measures in place to capture waste concrete and aggregate. Works do not involve excavation or clearing of vegetation.	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
2.7.5	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 checked="" type="radio"/> Yes <input type="radio"/> No	
2.8.1	Provide details. Add specific stakeholder requirements or safeguards that need to be included in the Environmental Approval.	Measures are to be put in place to capture waste concrete and aggregate during use of the core drill.	SR9
2.9	Does the project or works require notification under the Fisheries Management Act?	<input type="radio"/> Yes <input checked="" 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)
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	The planned site work hours were identified at 1.10. 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. 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.
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	Activities that could trigger requirement include: <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

			<p><i>floodplain</i></p> <ul style="list-style-type: none"> - 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	<p>Note: Relevant authorities/ agencies may include, but are not limited to:</p> <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	The Statement of Heritage Impact (D2025/96310) prepared to accompany the s60 Fast Track Application determined the proposed works would have little to no impact on the heritage significance of Berembed Weir.	
3.3.2	Detail stakeholder specific requirements that need to be included in the Environmental Approvals.	Pursuant to section 63 of the Heritage Act 1977, approval granted by Heritage NSW on 8 September 2025 (D2025/109234). Works to be undertaken in accordance with Section 60 Approval - D2025/109234.	SR5
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	<p>Check:</p> <ol style="list-style-type: none"> 1. OEH Critical Habitat Register 2. NSW BioNet - NSW Wildlife Atlas Search 3. Threatened fish species 4. EPBC - Protected Matters SearchTool <p>https://www.environment.gov.au/epbc/what-is-protected</p>
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	<p>The EPBC - Protected Matters SearchTool can be used to find out if an area is likely to contain MNES.</p> <p>For guidance on undertaking an Assessment of Significant Effect refer to the Significant Impact Guidelines 1.1 - Matters of National Environmental Significance</p>
3.7	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	<p>Is there anything special about the site that needs to be protected?</p> <p>Are there any site specific controls or measures that you think the contractor needs to understand and follow?</p>
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?	With mitigation measures to be in place to capture any waste concrete material and dust, the impacts to water and air quality should be minimal.	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	RITM0926202	ARK Minor Works EIA Form #	D2025/116694[v1]
WaterNSW Contact	[REDACTED]	Project Location	Berembed Weir -34.8793, 146,8364 General Access will be via the normal/public access road.
Project Title	Berembed Weir Bauks Project. Work being undertaken is concrete coring		
Approved Activity	<p>The proposed works will involve the extraction of concrete cores from the two gate piers. The scope and methodology will be as follows:</p> <ul style="list-style-type: none"> - Materials engineer from GHD will be on site and undertake a visual assessment of the concrete elements, as well as a delamination (sounding) survey and provide direction on concrete coring locations ensuring there are no defects in the proposed coring positions. - Rope access contractor DBC Group will provide safe access to the coring locations as well as completing the concrete core drilling and subsequent reinstatement of the concrete. - DBC Group will setup rope access equipment including temporary scaffolding on the downstream side of the piers to enable access. Refer to D2025/116663 for access plan mockup. Example of scaffolding also shown in figures included below. - DBC will then complete the concrete coring by using a core drill (example in image below) and a custom drill bit to suit the 80mm diameter x 250mm length core samples. - Extraction of concrete core samples from the two gate piers using a concrete coring drill. Locations shown in D2025/96310 in section 3 page 9. - A total of 8 core samples will be collected, with four core samples to be collected from each each of the two piers. - The core size will be 80mm diameter by approximately 250mm in depth - The core samples will then be removed from site for strength testing - The core holes will be reinstated using Fosroc Renderoc Rapid which has been identified as the most suitable product by GHD materials engineer, based on the concrete age and strength requirements. - Colour can be modified using pigments that will be trialled before attending site, with the most suitable colour to be selected to blend in to the existing concrete. The core holes will be finished flat with the existing concrete piers. - Upon completion of coring all temporary scaffolding to be removed from site. 		
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			
C2	All contractors' (and any sub-contractors') personnel employed for the works shall maintain a tidy appearance and exercise courtesy in all dealings with the public.		
C3	All access through, or work within any private property shall be undertaken with a minimum of inconvenience to the owner/occupier		

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.
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.
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	
Air Quality	
AQ1	All practicable and feasible measures shall be taken to avoid raising excessive levels of dust.
AQ2	All vehicles, plant and equipment shall be properly maintained to reduce vehicle and plant emissions. If visible smoke is seen for longer than 10 seconds duration from any engine while working on the site, the machine shall be taken out of service and adequately tuned or repaired so that such extended smoke emission on longer occurs.
AQ3	Wherever possible, vehicles, plant and equipment shall be switched off when not in use.
AQ4	Hazardous material shall be handled as per relevant guidelines to avoid potential air pollution.
Noise and Vibration	
N1	All practicable and feasible measures shall be taken to minimise noise. All vehicles, plant and equipment shall comply with relevant EPA and Workcover requirements.
N2	For any work approved to be undertaken outside standard hours, the emitted noise should not exceed the background noise level + 5dB(A)
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 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.
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.

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	
Fencing	
PROJECT SPECIFIC SAFEGUARDS	
STAKEHOLDER REQUIREMENTS	
SR2	Pursuant to section 63 of the Heritage Act 1977, approval granted by Heritage NSW on 8 September 2025 (D2025/109234). Works to be undertaken in accordance with Section 60 Approval (D2025/109234) as attached.
SR5	Pursuant to section 63 of the Heritage Act 1977, approval granted by Heritage NSW on 8 September 2025 (D2025/109234). Works to be undertaken in accordance with Section 60 Approval - D2025/109234.
SR9	Measures are to be put in place to capture waste concrete and aggregate during use of the core drill.
DECLARATION AND SIGN-OFF	
<p>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.</p> <p>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.</p> <p>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.</p> <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> <p>If this Minor Works EJA/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 EJA are to be attached to the form & placed on the WaterNSW website prior to the commencement of works.</p>	
Approval ARK # ⓘ	
D2025/116694[v2]	
Environmental Adviser Approval	
Environmental Impact Assessment for Minor Works was approved/endorsed by	