

Template 2 – Taking or interfering with water in a watercourse, lake or spring

(version 1.0)

This template must be completed and submitted with *DA Form 1 – Development application details* for all development applications for operational works involving the taking or interfering with water in a watercourse, lake or spring by any of the following:

- Watercourse pump
- Water storage
- Gravity diversion from a watercourse
- Watercourse diversion, or
- Other work in a watercourse.

It is mandatory to complete the details in all applicable parts in this form and provide any supporting information identified on the form as being required to accompany your development application, unless stated otherwise.

Additional pages may be attached if there is insufficient space on this template for any questions.

Note: All terms used within this template have the meaning given under the Planning Act 2016, the Planning Regulation 2017, or the Development Assessment Rules (DA Rules).

Part 1 – DEVELOPMENT DETAILS

1) Are the works existing? <i>Note: Ensure that the relevant plans that accompany the development application identify the location of existing works and proposed works.</i>	<input type="checkbox"/> Yes – provide construction date (if known) <input checked="" type="checkbox"/> No	
2) What is the proposed development for? <i>(tick all applicable boxes)</i>	<input type="checkbox"/> Watercourse pump <input checked="" type="checkbox"/> Water storage <input type="checkbox"/> Gravity diversion from a watercourse <input type="checkbox"/> Watercourse diversion <input type="checkbox"/> Other work in a watercourse	Complete part 2 only Complete part 3 only Complete part 4 only Complete part 5 only Complete part 6 only

Part 2 – WATERCOURSE PUMPS

3) What type of pump is proposed? <i>(tick all applicable boxes)</i>	<table border="0"> <tr> <td><input checked="" type="checkbox"/> Centrifugal</td> <td><input type="checkbox"/> Turbine</td> <td><input type="checkbox"/> Helical rotor</td> </tr> <tr> <td><input type="checkbox"/> Jet</td> <td><input type="checkbox"/> Submersible</td> <td><input type="checkbox"/> Piston</td> </tr> <tr> <td><input type="checkbox"/> Cylinder pump and windmill</td> <td colspan="2"><input type="checkbox"/> Other – specify below</td> </tr> </table> Assumed – Design of irrigation reticulation system has not as yet been carried-out.	<input checked="" type="checkbox"/> Centrifugal	<input type="checkbox"/> Turbine	<input type="checkbox"/> Helical rotor	<input type="checkbox"/> Jet	<input type="checkbox"/> Submersible	<input type="checkbox"/> Piston	<input type="checkbox"/> Cylinder pump and windmill	<input type="checkbox"/> Other – specify below	
<input checked="" type="checkbox"/> Centrifugal	<input type="checkbox"/> Turbine	<input type="checkbox"/> Helical rotor								
<input type="checkbox"/> Jet	<input type="checkbox"/> Submersible	<input type="checkbox"/> Piston								
<input type="checkbox"/> Cylinder pump and windmill	<input type="checkbox"/> Other – specify below									
4) What is the motor type of the proposed pump? <i>(tick all applicable boxes)</i>	<table border="0"> <tr> <td><input checked="" type="checkbox"/> Diesel</td> <td><input type="checkbox"/> Electric</td> <td><input type="checkbox"/> Hydro</td> </tr> <tr> <td><input type="checkbox"/> Petrol</td> <td><input type="checkbox"/> Solar</td> <td><input type="checkbox"/> Wind</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other – please specify</td> <td>Assumed – Design of irrigation reticulation system has not as yet been carried-out.</td> </tr> </table>	<input checked="" type="checkbox"/> Diesel	<input type="checkbox"/> Electric	<input type="checkbox"/> Hydro	<input type="checkbox"/> Petrol	<input type="checkbox"/> Solar	<input type="checkbox"/> Wind	<input type="checkbox"/> Other – please specify		Assumed – Design of irrigation reticulation system has not as yet been carried-out.
<input checked="" type="checkbox"/> Diesel	<input type="checkbox"/> Electric	<input type="checkbox"/> Hydro								
<input type="checkbox"/> Petrol	<input type="checkbox"/> Solar	<input type="checkbox"/> Wind								
<input type="checkbox"/> Other – please specify		Assumed – Design of irrigation reticulation system has not as yet been carried-out.								
5) What are the details of the pump?	<table border="1"> <tr> <td>Inlet/bore (millimetres)</td> <td></td> </tr> <tr> <td>Outlet/stroke (millimetres)</td> <td></td> </tr> <tr> <td>Duty discharge (litres/sec)</td> <td></td> </tr> </table>	Inlet/bore (millimetres)		Outlet/stroke (millimetres)		Duty discharge (litres/sec)				
Inlet/bore (millimetres)										
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Duty discharge (litres/sec)										



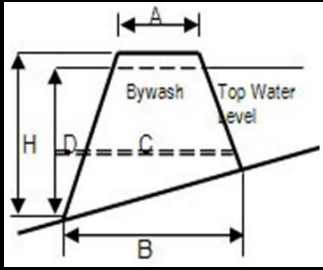
	Duty head (metres)	Unknown – Design of irrigation reticulation system has not as yet been carried-out.
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6) Is there any filling or excavation proposed in the watercourse, lake or spring?	<input checked="" type="checkbox"/> Yes – additional information should be provided to assist with assessing the development application (<i>e.g. location and extent of filling or excavation</i>) An earth and rock-fill embankment is proposed to create the impoundment in the drainage feature. Approximately 44 400 m ³ of material is involved. <input type="checkbox"/> No
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Part 3 – WATER STORAGE

7) What type of water-storage facility is proposed?	<input checked="" type="checkbox"/> Dam <input type="checkbox"/> Excavation in a watercourse <input type="checkbox"/> Weir <input type="checkbox"/> Other – please specify
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8) What is the proposed water-storage facility to be constructed from? (tick all applicable boxes)	<input type="checkbox"/> Earth <input type="checkbox"/> Sand <input type="checkbox"/> Rockfill <input type="checkbox"/> Sandbag <input checked="" type="checkbox"/> Earth and rockfill <input type="checkbox"/> Sheetpile <input type="checkbox"/> Concrete <input type="checkbox"/> Timber <input type="checkbox"/> Gabion <input type="checkbox"/> Other – please specify
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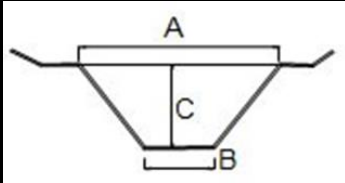
9) What are the dimensions of the proposed water-storage facility? (give dimensions to one (1) decimal point) 	Height to top (H)	13.3	metres
	Crest width (A)	4.0	metres
	Base width (B)	Approx. 72	metres
	Crest length	Approx. 205	metres
	Diameter of outlet pipe (C)	-	millimetres
	Height of bywash/spillway above bed level	12.1	metres
	Width of bywash/spillway	60	metres
	Distance of back up at top water level	Approx. 850	metres
	Capacity of storage when at full supply level	486	megalitres
	Storage area at full supply level	13.8	hectares

10) If excavation works are proposed, what are the details of these works? (give dimensions to one decimal point)	Top dimensions		
	Width		metres
	Depth		metres
	Length		metres
	Capacity		megalitres
	Base dimensions		
	Length		metres
	Width		metres

Part 4 – GRAVITY DIVERSION FROM A WATERCOURSE

11) If a gravity channel is proposed for this gravity diversion, what are the details of the proposed channel?

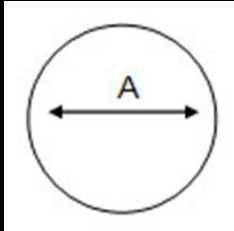
(give dimensions to one decimal point)



Top width (A)		metres
Bottom width (B)		metres
Depth (C)		metres
Length		metres
Bed slope		ratio
Side slope		ratio
Flow capacity		m ³ /second

12) If a gravity pipeline is proposed for this gravity diversion, what are the details of the proposed pipeline?

(give dimensions to one decimal point)



Material type		
Diameter (A)		millimetres
Length		metres
Number of proposed pipes		
Bed slope		ratio
Flow capacity		m ³ /second

13) Is there any filling or excavation proposed in the watercourse or water body?

- ☐ Yes – additional information should be provided to assist with assessment of the development application (e.g. location and extent of filling or excavation)
- ☐ No

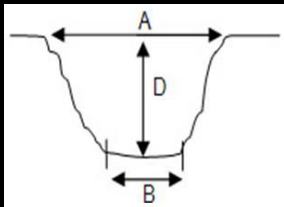
14) What is the purpose of the proposed gravity diversion?

- ☐ Flood prevention ☐ Divert watercourse
- ☐ Erosion prevention ☐ Other – please specify

Part 5 – WATERCOURSE DIVERSION

15) What are the details of the existing watercourse or water-body channel proposed to be diverted?

(give dimensions to one decimal point)

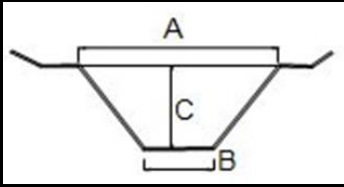


Top width (A)		metres
Bottom width (B)		metres
Depth (D)		metres
Length		metres
Bed slope		ratio
Side slope		ratio
Flow capacity		m ³ /second

16) If the proposed method for diversion is earth or a lined channel, what are the details of the proposed channel?

(give dimensions to one decimal point)

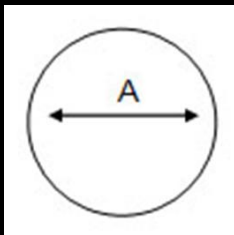
Lining materials (e.g. PVC, steel)		
Top width (A)		metres
Bottom width (B)		metres



Depth (C)		metres
Length		metres
Bed slope		ratio
Side slope		ratio
Flow capacity		m ³ /second

17) If a pipeline is proposed for this watercourse diversion, what are the details of the proposed pipeline?

(give dimensions to one decimal point)



Pipe material (e.g. PVC, steel)		
Diameter (A)		millimetres
Length		metres
Number of proposed pipes		
Bed slope		ratio
Flow capacity		m ³ /second

18) What is the purpose of the proposed watercourse diversion?

<input type="checkbox"/> Flood prevention	<input type="checkbox"/> Divert watercourse
<input type="checkbox"/> Erosion prevention	<input type="checkbox"/> Other – please specify

Part 6 – OTHER WORK IN A WATERCOURSE

19) What are the details of the proposed works?

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20) What are the details of the proposed construction materials?

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