

Environment Protection Licence Number: 5014
 (<http://www.environment.nsw.gov.au/licensing/index.htm>)

Monitoring period: October 2021

Date Data obtained: 09-Nov-21

Date Data published: 09-Nov-21

Discharge monitoring : daily using a level sensor and continuous logger

Discharge (Megalitres per day)								
	Site	Name	Min	Mean	Median	Max	Total	
1	DRWK	Wakool SEC (DC 1000)	no flow					
2	DBCE	Deniboota Canal Escape	backed up					
3	MOXM	Box Creek	no flow					
4	BIFE	Finley Escape*	4	29	17	133	870	
5	DENI	North Deniliquin SEC	no flow					
6	BIOW	Wollamai SEC	no flow					
7	BIWE	Wollamai East SEC	no flow					
8	BBR1	Back Barooga SEC	1.9	22	0	0	56	
9	BIBE	Berrigan Creek Escape						
10	TUPJ	Lalaly SEC	0	4	0	56	125	
11	TCPL	Pinelea SEC	no flow					
12	NMBR	Burraborrimma SEC	no flow					
13	TCND	Neimur SEC	gates closed					
14	JJJS	DC 2500 East	no flow					
15	JIBU	Burraboi SEC	backed up enviro flow in receiving waters					
16	WRMT	Murphy's Timber SEC	no flow					
17	TCWW	West Warragoona SEC	no flow					
18	TCW2	Warragoona Stage 2	no flow					

This data has not been verified. Murray Irrigation makes no representation, express or implied, as to the accuracy, completeness, or fitness for any particular purpose of this data, and this data should not be relied upon in any way. Verified data will be available at the end of the reporting period.

*: Finley Escape is an accredited escape with the Water NSW

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Electrical conductivity monitoring: continuous using electronic sensor and logger

Electrical Conductivity (microsiemens per centimetre = $\mu\text{S}/\text{cm}$)						
	Site	Name	Min	Mean	Median	Max
1	DRWK	Wakool SEC (DC 1000)	not required			
2	DBCE	Deniboota Canal Escape	not required			
3	MOXM	Box Creek	not required			
4	BIFE	Finley Escape*	0	134	52	501
5	DENI	North Deniliquin SEC	not required			
6	BIOW	Wollamai SEC	not required			
7	BIWE	Wollamai East SEC	not required			
8	BBR1	Back Barooga SEC	0	430	404	743
9	BIBE	Berrigan Creek Escape	not required			
10	TUPJ	Lalaly SEC	0	163	218	492
11	TCPL	Pinelea SEC	not required			
12	NMBR	Burraborrimma SEC	not required			
13	TCND	Neimur SEC	not required			
14	JJIS	DC2500 East	not required			
15	JIBU	Burraboi SEC	not required			
16	WRMT	Murphy's Timber SEC	not required			
17	TCWW	West Warragoon SEC	not required			
18	TCW2	Warragoon Stage 2	not required			

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Turbidity (all points)

"Special Frequency 1" means the collection of samples when the mean monthly flow being discharged into the stormwater/drainage system(s) exceeds 5ML/day

Turbidity (nephelometric turbidity units = NTU)					
	Site	Name	Sample date	Date data obtained	Turbidity
1	DRWK	Wakool SEC (DC 1000)		not required	
2	DBCE	Deniboota Canal Escape		not required	
3	MOXM	Box Creek		not required	
4	BIFE	Finley Escape		not required	
5	DENI	North Deniliquin SEC		not required	
6	BIOW	Wollamai SEC		not required	
7	BIWE	Wollamai East SEC		not required	
8	BBR1	Back Barooga SEC	30-Nov-21	02-Dec-21	202
9	BIBE	Berrigan Creek Escape		not required	
10	TUPJ	Lalaly SEC	30-Nov-21	02-Dec-21	13
11	TCPL	Pinelea SEC		not required	
12	NMBR	Burracorrinna SEC		not required	
13	TCND	Neimur SEC		not required	
14	JJIS	DC2500 East		not required	
15	JIBU	Burraboi SEC		not required	
16	WRMT	Murphy's Timber SEC		not required	
17	TCWW	West Warragoon SEC		not required	
18	TCW2	Warragoon Stage 2		not required	

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Total Nitrogen and Total Phosphorus monitoring (all points)

"Special Frequency 1" means the collection of samples when the mean monthly flow being discharged into the stormwater/drainage system(s) exceeds 5ML/day

Total Nitrogen and Total Phosphorus (milligrams per litre = mg/L)						
	Site	Name	Sample date	Date data obtained	Total Phosphorus	Total Nitrogen
1	DRWK	Wakool SEC (DC 1000)	not required			
2	DBCE	Deniboota Canal Escape	not required			
3	MOXM	Box Creek	not required			
4	BIFE	Finley Escape	not required			
5	DENI	North Deniliquin SEC	not required			
6	BIOW	Wollamai SEC	not required			
7	BIWE	Wollamai East SEC	not required			
8	BBR1	Back Barooga SEC	30-Nov-21	02-Dec-21	0.036	2.2
9	BIBE	Berrigan Creek Escape	not required			
10	TUPJ	Lalaly SEC	30/11/2021	2/12/2021	1.185	2.1
11	TCPL	Pinelea SEC	not required			
12	NMBR	Burraborrimma SEC	not required			
13	TCND	Neimur SEC	not required			
14	JISJ	DC2500 East	not required			
15	JIBU	Burraboi SEC	not required			
16	WRMT	Murphy's Timber SEC	not required			
17	TCWW	West Warragoona SEC	not required			
18	TCW2	Warragoona Stage 2	not required			

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Pesticide monitoring: molinate (all points)

"Special Frequency 2" means the collection of samples during the months of October and November as soon as reasonable practicable during discharge of flows exceeding 5ML/day, and at a minimum once per every 7 consecutive days of flows exceeding this limit

Molinate (micrograms per litre = µg/L)					
	Site	Name	Sample date	Date data obtained	Molinate
1	DRWK	Wakool SEC (DC 1000)	not required		
2	DBCE	Deniboota Canal Escape	not required		
3	MOXM	Box Creek	not required		
4	BIFE	Finley Escape	not required		
5	DENI	North Deniliquin SEC	not required		
6	BIOW	Wollamai SEC	not required		
7	BIWE	Wollamai East SEC	not required		
8	BBR1	Back Barooga SEC	30-Nov-21	09-Dec-21	<0.2
9	BIBE	Berrigan Creek Escape	not required		
10	TUPJ	Lalaly SEC	30-Nov-21	09-Dec-21	<0.2
11	TCPL	Pinelea SEC	not required		
12	NMBR	Burraborrimma SEC	not required		
13	TCND	Neimur SEC	not required		
14	JJIS	DC2500 East	not required		
15	JIBU	Burraboi SEC	not required		
16	WRMT	Murphy's Timber SEC	not required		
17	TCWW	West Warragoon SEC	not required		
18	TCW2	Warragoon Stage 2	not required		

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Pesticide monitoring: thiobencarb (all points)

"Special Frequency 2" means the collection of samples during the months of October and November as soon as reasonable practicable during discharge of flows exceeding 5ML/day, and at a minimum once per every 7 consecutive days of flows exceeding this limit

Thiobencarb (micrograms per litre = µg/L)					
	Site	Name	Sample date	Date data obtained	Thiobencarb
1	DRWK	Wakool SEC (DC 1000)		not required	
2	DBCE	Deniboota Canal Escape		not required	
3	MOXM	Box Creek		not required	
4	BIFE	Finley Escape		not required	
5	DENI	North Deniliquin SEC		not required	
6	BLOW	Wollamai SEC		not required	
7	BIWE	Wollamai East SEC		not required	
8	BBR1	Back Barooga SEC	30-Nov-21	09-Dec-21	<0.2
9	BIBE	Berrigan Creek Escape		not required	
10	TUPJ	Lalaly SEC	30-Nov-21	09-Dec-21	<0.2
11	TCPL	Pinelea SEC		not required	
12	NMBR	Burraborrimma SEC		not required	
13	TCND	Neimur SEC		not required	
14	JJS	DC2500 East		not required	
15	JIBU	Burraboi SEC		not required	
16	WRMT	Murphy's Timber SEC		not required	
17	TCWW	West Warragoon SEC		not required	
18	TCW2	Warragoon Stage 2		not required	

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Pesticide monitoring: atrazine (Points 3,4,5,6,7,8,9,10,11,17,18)

"Special Frequency 3" means the collection of samples during the months of October, November and December as soon as reasonably practicable during discharge of flows exceeding 5ML/day, and at a minimum once per every 7 consecutive days of flows exceeding this limit.

Atrazine (micrograms per litre = µg/L)					
	Site	Name	Sample date	Date data obtained	Atrazine
1	DRWK	Wakool SEC (DC 1000)	not required		
2	DBCE	Deniboota Canal Escape	not required		
3	MOXM	Box Creek	not required		
4	BIFE	Finley Escape	not required		
5	DENI	North Deniliquin SEC	not required		
6	BIOW	Wollamai SEC	not required		
7	BIWE	Wollamai East SEC	not required		
8	BBR1	Back Barooga SEC	30-Nov-21	09-Dec-21	<0.2
9	BIBE	Berrigan Creek Escape	not required		
10	TUPJ	Lalaly SEC	30-Nov-21	09-Dec-21	<0.2
11	TCPL	Pinelea SEC	not required		
12	NMBR	Burraborrimma SEC	not required		
13	TCND	Neimur SEC	not required		
14	JJS	DC2500 East	not required		
15	JIBU	Burraboii SEC	not required		
16	WRMT	Murphy's Timber SEC	not required		
17	TCWW	West Warragoon SEC	not required		
18	TCW2	Warragoon Stage 2	not required		