

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

**Monitoring period:** August 2021

**Date Data obtained:** 06-Sep-21

**Date Data published:** 06-Sep-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)	0	0	0	14	14	
2	DBCE	Deniboota Canal Escape	no flow					
3	MOXM	Box Creek	equipment malfunction					
4	BIFE	Finley Escape*	backed up					
5	DENI	North Deniliquin SEC	0	1	0	7	36	
6	BIOW	Wollamai SEC	0	1	0	3	20	
7	BIWE	Wollamai East SEC	no flow					
8	BBR1	Back Barooga SEC	no flow					
9	BIBE	Berrigan Creek Escape	0	2	1	8	54	
10	TUPJ	Lalaly SEC	no flow					
11	TCPL	Pinelea SEC	no flow					
12	NMBR	Burragorrimma SEC	no flow					
13	TCND	Neimur SEC	0	2	2	7	66	
14	JJJS	DC 2500 East	no flow					
15	JIBU	Burraboii SEC	no flow					
16	WRMT	Murphy's Timber SEC	no flow					
17	TCWW	West Warragoon SEC	0	3	1	10	95	
18	TCW2	Warragoon 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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**Monitoring period:** August 20212

**Date Data obtained:** 06-Sep-21

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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)	8	70	84	169
2	DBCE	Deniboota Canal Escape	not required			
3	MOXM	Box Creek	not required			
4	BIFE	Finley Escape*	56	201	176	406
5	DENI	North Deniliquin SEC	10	141	202	427
6	BIOW	Wollamai SEC	not required			
7	BIWE	Wollamai East SEC	213	922	842	2802
8	BBR1	Back Barooga SEC	not required			
9	BIBE	Berrigan Creek Escape	97	150	154	234
10	TUPJ	Lalaly SEC	not required			
11	TCPL	Pinelea SEC	not required			
12	NMBR	Burraborrimma SEC	not required			
13	TCND	Neimur SEC	52	85	76	158
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	111	358	271	659
18	TCW2	Warragoon Stage 2	not required			

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**Turbidity:** monthly during discharge

**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	16/08/2021	2/09/2021	21
6	BIOW	Wollamai SEC	23/08/2021	25/08/2021	82
7	BIWE	Wollamai East SEC	not required		
8	BBR1	Back Barooga SEC	not required		
9	BIBE	Berrigan Creek Escape	26/08/2021	2/09/2021	76
10	TUPJ	Lalaly SEC	not required		
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	23/08/2021	25/08/2021	82
18	TCW2	Warragoon Stage 2	not required		

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**Total Nitrogen and Total Phosphorus monitoring:**  
 representative sample at monthly intervals when daily flow 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	26/08/2021	2/09/2021	0.447	2.5
6	BIOW	Wollamai SEC	23/08/2021	25/08/2021	0.578	3
7	BIWE	Wollamai East SEC	not required			
8	BBR1	Back Barooga SEC	not required			
9	BIBE	Berrigan Creek Escape	26/08/2021	2/09/2021	0.636	2.1
10	TUPJ	Lalaly SEC	not required			
11	TCPL	Pinelea SEC	not required			
12	NMBR	Burragorrimma 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 Warragoon SEC	23/08/2021	25/08/2021	0.169	3.8
18	TCW2	Warragoon Stage 2	not required			

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**Monitoring period:** monitoring required Oct - Dec

**Date Data published:** 06-Sep-21

**Pesticide monitoring: molinate**  
 Special frequency 1. Representative samples when flow exceeds 5ML/day

**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		not required	
9	BIBE	Berrigan Creek Escape		not required	
10	TUPJ	Lalaly SEC		not required	
11	TCPL	Pinelea SEC		not required	
12	NMBR	Burratorrimma SEC		not required	
13	TCND	Neimur SEC		not required	
14	JJJS	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: thiobencarb**

Special frequency 2. Representative samples when flow exceeds 5ML/day

**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		not required	
9	BIBE	Berrigan Creek Escape		not required	
10	TUPJ	Lalaly SEC		not required	
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 Warragoona SEC		not required	
18	TCW2	Warragoona Stage 2		not required	

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**Pesticide monitoring: thiobencarb**  
Special frequency 2. Representative samples when flow exceeds 5ML/day

**Atrazine (micrograms per litre =  $\mu\text{g/L}$ )**

	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	BLOW	Wollamai SEC		not required	
7	BIWE	Wollamai East SEC		not required	
8	BBR1	Back Barooga SEC		not required	
9	BIBE	Berrigan Creek Escape		not required	
10	TUPJ	Lalaly SEC		not required	
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	