

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

Monitoring period: December 2017

Date Data obtained: 24-Jan-18

Date Data published: 24-Jan-18

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 | no flow | | | | | |
| 3 | MOXM | Box Creek | no flow | | | | | |
| 4 | BIFE | Finley Escape* | 2 | 23 | 17 | 89 | 706 | |
| 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 | no flow | | | | | |
| 9 | BIBE | Berrigan Creek Escape | no flow | | | | | |
| 10 | TUPJ | Lalaly SEC | no flow | | | | | |
| 11 | TCPL | Pinelea SEC | no flow | | | | | |
| 12 | NMBR | Burragorrimma SEC | no flow | | | | | |
| 13 | TCND | Neimur SEC | no flow | | | | | |
| 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 | no flow | | | | | |
| 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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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* | 72 | 98 | 83 | 171 |
| 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 | 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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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 | | 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 | 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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Date Data published: 24-Jan-18

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 | | | 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 | 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 | | | not required | |
| 18 | TCW2 | Warragoon Stage 2 | | | not required | |

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Monitoring period: monitoring required Oct - Dec

Date Data published: 24-Jan-18

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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Monitoring period: monitoring required Oct - Dec

Date Data published: 24-Jan-18

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 | Burratorrimma 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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Monitoring period: monitoring required Oct - Dec

Date Data published: 24-Jan-17

Pesticide monitoring: atrazine
Special frequency 3. 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 | |