

# Yarriambiack Creek Wimmera Community Waterwatch Readings

## August to September 2009

| site name                       | site no   | tests(units) | EC    | pH    | Turbidity | Hardness | sol. Phos. | Total Phos | Temp | depth   | frogs      |
|---------------------------------|-----------|--------------|-------|-------|-----------|----------|------------|------------|------|---------|------------|
| creek sites                     | Test Date | (µS/cm)      | (pH)  | (NTU) | (mg/L)    | (mg/L P) | (mg/l P)   | (° C)      | m    | species |            |
| Longerenong Rd Crossing         | YRM050    | no reading   |       |       |           |          |            |            |      |         |            |
| Kellalac at Hwy Crossing        | YRM350    | 16/08/2009   |       |       |           |          |            |            |      | 0       |            |
|                                 |           | 6/09/2009    |       |       |           |          |            |            |      | 0       |            |
|                                 |           | 22/09/2009   | 140   | 7.1   | 30        | 50       |            |            | 20.5 | 0.2     | 1,2,3,4,5, |
| Wood St drain                   | YRM420    | 19/08/2009   | 190   | 6.9   | 10        | 100      | 0.7        |            | 16.1 | 0.3     | 1,2,3      |
| Wood St in Creek                | YRM421    | no reading   |       |       |           |          |            |            |      |         |            |
| Werrigar st footbridge          | YRM425    | 19/08/2009   | 150   | 7.7   | 12        | 50       | 0.03       |            | 16   | 0.25    | 1,2        |
| Ellis meander                   | YRM427    | 19/08/2009   | 170   | 8     | 14        | 50       | 0.02       |            | 16.4 | 1       | 1,2        |
| Apex Park                       | YRM430    | 19/08/2009   |       |       |           |          |            |            | 18.4 | 0.3     |            |
|                                 |           | 21/8/2009    | 190   | 7.4   | 15        |          |            |            |      |         | 1,2,3      |
| Anderson St                     | YRM 438   | 21/08/2009   | 160   | 7.4   | 13        |          |            |            | 18.7 |         |            |
| Lions Park Bridge               | YRM450    | 21/08/2009   |       |       |           |          |            |            |      |         | 0          |
|                                 |           | 20/08/2009   | 150   | 6.4   | 32        | 50       | 0.25       | 0.24       | 21.7 | 0.6     |            |
|                                 |           | 20/09/2009   | 100   | 7.1   | 30        | 50       | 0.25       | 0.21       | 18.3 | 0.725   |            |
| Warracknabeal Boat Ramp         | YRM460    | 19/08/2009   |       |       |           |          |            |            |      |         | 1,2,3      |
|                                 | YRM460    | 20/08/2009   | 170   | 6.8   | 45        | 50       | 0.25       |            | 22.2 | 1       |            |
|                                 |           | 21/09/2009   | 170   | 7.9   | 10        | 50       | 0.15       |            | 18.9 |         |            |
| Yarriambiack Cr at Lah dam site | YRM488    | 1/10/2009    | 240   | 7.3   |           | 100      |            |            | 15   | 0.3     |            |
| Brim north side of pool         | YRM 530   | no reading   |       |       |           |          |            |            |      |         |            |
| Beulah Weir Pool                | YRM711    | 4/08/2009    | 1730  | 7.9   | 15        | 250      | 0.02       |            | 19.2 |         |            |
|                                 |           | 15/09/2009   | 1600  | 8.2   | 20        | 500      |            |            | 15.1 | 0.01    |            |
| Hopetoun at Hwy Crossing        | YRM900    | 17/06/2009   |       |       |           |          |            |            |      |         | 0          |
|                                 | YRM900    | 15/07/2009   |       |       |           |          |            |            |      |         | 0          |
| Hopetoun Lake Lascelles         | LLS500    | 10/09/2009   |       |       |           |          |            |            |      |         | 1          |
| <b>other sites</b>              |           |              |       |       |           |          |            |            |      |         |            |
| Bore water from Brim West       | BBQ009    | 29/09/2009   | 14200 | 7.26  | 25        |          |            |            | 15   |         |            |
| town water at Beulah = piped    | PBU000    | 4/08/2009    | 130   | 7.4   | <10       | 400      |            |            | 21.5 |         |            |
|                                 |           | 15/09/2009   | 100   | 7.3   | 10        | 350      | 0.02       |            | 13.9 |         |            |
| piped water to Bangerang        | PEK072    | 29/09/2009   | 140   | 7.65  | <5        | 50       |            |            |      |         |            |
| Hopetoun Stormwater Dam         | DHQ800    | 10/09/2009   |       |       |           |          |            |            |      |         | 2,3        |
| Swamp at Werrigar East          | SWC500    | 24/08/2009   | 390   | 7.6   | >400      |          |            |            | 13.9 |         |            |
|                                 |           | 21/09/2009   | 160   | 7.8   | 2000      |          |            |            | 18.7 |         |            |

alerts salinity >1600 EC is over WHO salinity level for drinking water; not good for many garden plants  
 hardness >350 ppm is too hard for some uses  
 >50 NTU turbidity = murky, but creek often been murky in autumn  
 nutrient (soluble phosphate) >0.05 mg/l P is too high for a stream

- frogs**
- 1 Common Eastern Froglet
  - 2 Plains Froglet
  - 3 Pobblebonks
  - 4 Striped Marsh Frog
  - 5 Mallee Spadefoot

Data sources: Full data details from the database are available on request  
 community monitors: Jeanie Clark, Michael Clark, Ricky Forsythe, Dr David Robinson  
 school monitors: Warracknabeal SDS  
 All equipment is calibrated regularly to ensure reliability of EC and pH readings; and last tested under WWVic annual QA/QC in July 2009

### The most common frogs observed along the Yarriambiack Ck in August September 2009

1 Common Eastern Froglet  
"crick crick crick crick crick"



2 Plains Froglet  
Single harsh squeaky note - "eek" "eek"



3 Pobblebonk Frog  
Short, single echoing note "bonk"



two less common frogs were  
in the shallow water at Kellalac.



4 Striped Marsh Frog = toc.....toc ....toc



5 Mallee Spadefoot = cra - aw - aw - aw - aw - aw - awk

Wimmera Community Waterwatch thanks our sponsors, supporters and monitors:



and the Warracknabeal YCDC.

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