**Historical studies of E. coli and enterococci levels in the Painkalac**

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| **Date of testing and author of study / Location of tests** | **12/12/2022 – 24/4/2023**  **(SurfCoast Shire)** | **20&26/1/22**  **(Local residents)** | **June 2005 GHD report**  **(Surfcoast Shire)** | **EPA & AIDA 1987 Fairhaven drain, inputs to Allen Noble Sanctuary**  **(Painkalac Estuary Management Plan – Surfcoast Shire)** | **June 77 – Sep 87**  **(Wetlands and floodplain environmental study 1990 – Shire of Barrabool))** |
| River mouth | 1/2/23:  820 org/100 ml  (<500 is safe) |  | Exceeded enterococci safety E. coli much higher than 77-81 readings – source cattle, horses and sewage |  | Exceeded: Dec 78, Jun 80, Jun 83 |
| Inlet mouth |  | Coliforms >2400 orgs/100mL; E. coli 1400 orgs/100mL |  |  |  |
| Bridge | 12/12/22 810 |  | Enterococci high but E. coli low |  | Dec 78, June 80 |
| Coastal Court | 6 high readings over summer | Coliforms >2400 orgs/100mL; E. coli 440 orgs/100mL |  |  |  |
| Beach Road | 6 high readings over summer |  |  | “local drains are carrying reasonably low levels of treated effluent” | 54000 orgs/100 ml May 87, Jun 83. Higher readings near Beach road with “enriched wastewater flows in open drains and seepage through road cuttings” |
| Duck pond |  |  |  |  | High: Dec 78, Jan 79, Sep 79, Oct 79, June 80 |
| Old Coach Road |  |  | Enterococci high |  |  |