

Baywide Beach Monitoring Assessment

Week commencing Monday 30 March 2009



Legend

| | |
|--|---|
| | ○ Levels are within guidelines. |
| | ◇ Elevated levels – an investigation has commenced into the source. |
| | ■ Advisory |
| | Some results are pending for this site this week. |
| | ▶ This parameter is not measured at this beach. |

| Beach | Bacteria | Metals | Organics | Algae |
|-----------------|----------|--------|----------|-------|
| Werribee South | ○ | ○ | ○ | ▶ |
| Altona | ○ | ○ | ○ | ○ |
| Williamstown | ○ | ○ | ○ | ○ |
| Sandridge | ○ | ○ | ○ | ○ |
| Port Melbourne | ○ | ○ | ○ | ○ |
| Middle Park | ○ | ○ | ○ | ○ |
| St Kilda | ○ | ○ | ○ | ○ |
| Elwood | ○ | ○ | ○ | ○ |
| Brighton | ○ | ○ | ○ | ○ |
| Hampton | ○ | ○ | ○ | ▶ |
| Sandringham | ○ | ○ | ○ | ▶ |
| Half Moon Bay | ○ | ○ | ○ | ▶ |
| Beaumaris | ○ | ○ | ○ | ▶ |
| Mentone | ○ | ○ | ○ | ▶ |
| Mordialloc | ○ | ○ | ○ | ▶ |
| Aspendale North | ○ | ○ | ○ | ▶ |
| Carrum | ○ | ○ | ○ | ▶ |
| Seaford | ○ | ○ | ○ | ▶ |
| Frankston LSC | ○ | ○ | ○ | ▶ |
| Frankston CG | ○ | ○ | ○ | ▶ |
| Canadian Bay | ○ | ○ | ○ | ▶ |
| Mornington | ○ | ○ | ○ | ▶ |
| Mt Martha | ○ | ○ | ○ | ▶ |
| Safety | ○ | ○ | ○ | ▶ |
| Dromana | ○ | ○ | ○ | ▶ |
| Rosebud | ○ | ○ | ○ | ▶ |
| Rye | ○ | ○ | ○ | ▶ |
| Blairgowrie | ○ | ○ | ○ | ▶ |
| Sorrento | ○ | ○ | ○ | ▶ |
| Portsea | ○ | ○ | ○ | ▶ |
| Queenscliff | ○ | ○ | ○ | ▶ |
| St Leonards | ○ | ○ | ○ | ▶ |
| Portarlington | ○ | ○ | ○ | ▶ |
| The Dell | ○ | ○ | ○ | ▶ |
| Eastern | ○ | ○ | ○ | ▶ |
| St Helens | ○ | ○ | ○ | ▶ |

Enterococci - Baywide Beach Monitoring

(organisms per 100 mL)

Sampling Date – 30 March 2009



Legend

| | |
|--|--|
| | ○ Levels are within guidelines (i.e., less than 500 organisms/100mL) |
| | ◇ Elevated levels – an investigation has commenced into the source. (i.e., more than 500 organisms/100mL) |
| | ■ Advisory |
| | The data for this site are unavailable this week. |

| Beach | Enterococci |
|-----------------|-------------|
| Werribee South | 41 |
| Altona | 63 |
| Williamstown | <10 |
| Sandridge | 31 |
| Port Melbourne | 10 |
| Middle Park | 20 |
| St Kilda | 31 |
| Elwood | 10 |
| Brighton | <10 |
| Hampton | 10 |
| Sandringham | 130 |
| Half Moon Bay | 30 |
| Beaumaris | 10 |
| Mentone | 20 |
| Mordialloc | <10 |
| Aspendale North | <10 |
| Carrum | <10 |
| Seaford | <10 |
| Frankston LSC | 10 |
| Frankston CG | <10 |
| Canadian Bay | <10 |
| Mornington | <10 |
| Mt Martha | <10 |
| Safety | <10 |
| Dromana | 10 |
| Rosebud | 20 |
| Rye | 10 |
| Blairstown | 20 |
| Sorrento | <10 |
| Portsea | <10 |
| Queenscliff | 20 |
| St Leonards | 10 |
| Portarlington | <10 |
| The Dell | <10 |
| Eastern | 10 |
| St Helens | <10 |

Metals - Baywide Beach Monitoring

(µg/L)

Sampling Date – 30 March 2009



Legend

| | |
|--|---|
| | ○ Levels are within guidelines. |
| | ◇ Elevated levels – an investigation has commenced into the source. |
| | ■ Advisory |
| | The data for this site are unavailable this week. |

| | Arsenic | Cadmium | Chromium | Copper | Lead | Manganese | Mercury | Nickel | Zinc |
|------------------------|---------|---------|----------|--------|------|-----------|---------|--------|-------|
| Guideline Level | 70 | 20 | 500 | 20000 | 100 | 5000 | 10 | 200 | 30000 |

| Beach | Arsenic | Cadmium | Chromium | Copper | Lead | Manganese | Mercury | Nickel | Zinc |
|-----------------|---------|---------|----------|--------|------|-----------|---------|--------|------|
| Werribee South | 3.9 | 0.2 | 1.4 | <1 | 0.6 | 13.0 | <0.1 | 1.4 | <5 |
| Altona | 3.6 | 0.2 | 0.7 | <1 | 1.2 | 13.0 | <0.1 | 0.6 | <5 |
| Williamstown | 3.2 | 0.2 | 0.6 | <1 | 1.7 | 4.3 | <0.1 | <0.5 | <5 |
| Sandridge | 3.7 | <0.2 | 0.8 | <1 | 1.3 | 7.7 | <0.1 | 0.7 | <5 |
| Port Melbourne | 3.6 | <0.2 | <0.5 | <1 | 0.5 | 8.7 | <0.1 | 0.5 | <5 |
| Middle Park | 3.6 | <0.2 | 0.7 | 2 | 1.3 | 12.0 | <0.1 | 0.7 | 8 |
| St Kilda | 3.5 | <0.2 | <0.5 | 2 | 1.1 | 8.7 | <0.1 | 0.6 | 10 |
| Elwood | 3.0 | <0.2 | <0.5 | <1 | 0.4 | 3.7 | <0.1 | <0.5 | <5 |
| Brighton | 3.2 | <0.2 | <0.5 | 2 | 0.2 | 4.2 | <0.1 | 0.5 | <5 |
| Hampton | 3.2 | <0.2 | 1.8 | 3 | 0.3 | 4.5 | <0.1 | 0.8 | 8 |
| Sandringham | 3.2 | 0.2 | <0.5 | <1 | 0.3 | 3.5 | <0.1 | <0.5 | <5 |
| Half Moon Bay | 3.2 | <0.2 | 0.6 | 3 | 1.5 | 3.6 | <0.1 | 1.1 | 6 |
| Beaumaris | 3.2 | <0.2 | <0.5 | <1 | 0.2 | 3.8 | <0.1 | <0.5 | <5 |
| Mentone | 3.3 | <0.2 | <0.5 | <1 | 0.7 | 5.1 | <0.1 | <0.5 | <5 |
| Mordialloc | 3.5 | 0.2 | <0.5 | 2 | 0.5 | 6.2 | <0.1 | 0.7 | 15 |
| Aspendale North | 3.3 | <0.2 | 0.7 | <1 | 0.2 | 7.2 | <0.1 | <0.5 | <5 |
| Carrum | 3.3 | <0.2 | <0.5 | <1 | <0.2 | 6.7 | <0.1 | <0.5 | <5 |
| Seaford | 3.2 | <0.2 | <0.5 | <1 | 0.2 | 6.7 | 0.1 | <0.5 | <5 |
| Frankston LSC | 3.2 | 0.2 | 0.8 | <1 | 0.4 | 7.6 | 0.1 | <0.5 | <5 |
| Frankston CG | 3.1 | <0.2 | <0.5 | <1 | <0.2 | 5.5 | <0.1 | <0.5 | <5 |
| Canadian Bay | 3.0 | <0.2 | <0.5 | <1 | <0.2 | 10.0 | <0.1 | <0.5 | 8 |
| Mornington | 3.1 | 0.2 | <0.5 | <1 | 0.4 | 9.8 | 0.1 | 0.7 | 9 |
| Mt Martha | 3.2 | <0.2 | 0.6 | <1 | 0.5 | 7.1 | <0.1 | <0.5 | <5 |
| Safety | 3.0 | <0.2 | <0.5 | <1 | <0.2 | 4.5 | 0.1 | <0.5 | <5 |
| Dromana | 3.0 | <0.2 | <0.5 | <1 | 0.4 | 3.8 | <0.1 | <0.5 | <5 |
| Rosebud | 3.1 | <0.2 | 0.6 | <1 | <0.2 | 5.5 | <0.1 | <0.5 | <5 |
| Rye | 3.2 | <0.2 | <0.5 | <1 | <0.2 | 4.1 | 0.1 | <0.5 | <5 |
| Blairgowrie | 2.9 | <0.2 | <0.5 | <1 | <0.2 | 3.1 | 0.1 | <0.5 | <5 |
| Sorrento | 3.0 | <0.2 | <0.5 | <1 | <0.2 | 2.3 | 0.1 | <0.5 | <5 |
| Portsea | 2.3 | <0.2 | <0.5 | <1 | 0.3 | 1.8 | 0.1 | <0.5 | 11 |
| Queenscliff | 2.9 | <0.2 | <0.5 | <1 | 0.3 | 1.5 | <0.1 | <0.5 | <5 |
| St Leonards | 4.1 | 0.2 | 1.0 | <1 | 0.5 | 4.4 | <0.1 | <0.5 | <5 |
| Portarlington | 3.0 | 0.2 | <0.5 | <1 | <0.2 | 6.0 | 0.1 | <0.5 | <5 |
| The Dell | 3.3 | 0.2 | <0.5 | <1 | <0.2 | 6.6 | <0.1 | <0.5 | <5 |
| Eastern | 3.6 | 0.2 | <0.5 | <1 | 0.2 | 11.0 | <0.1 | 0.6 | <5 |
| St Helens | 3.5 | 0.2 | <0.5 | <1 | 0.4 | 8.0 | <0.1 | 0.6 | <5 |

Algae - Baywide Beach Monitoring

Sampling Date – 30 March 2009



| Beach | Species considered harmful to swimmers | Comments |
|----------------|--|----------|
| Altona | Not detected | |
| Williamstown | Not detected | |
| Sandridge | Not detected | |
| Port Melbourne | Not detected | |
| Middle Park | Not detected | |
| St Kilda | Not detected | |
| Elwood | Not detected | |
| Brighton | Not detected | |