



NSW Aquaculture Shellfish Harvest Area
Water Bacteriology and Phytoplankton Survey
Data January 2003-June 2005
Volume 4



Cape Hawke, Long Island and Wallis Island harvest areas. Wallis Lake, NSW

Shoalhaven and Crookhaven Rivers Harvest Areas

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY RESTRICTED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 | Site 8 | Site 9 | Site 10 | Site 11 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Number of Samples | 58 | 51 | 54 | 56 | 51 | 60 | 56 | 58 | 57 | 52 | 51 |
| Mean | 28.71 | 16.17 | 12.91 | 22.85 | 12.55 | 48.75 | 32.18 | 16.53 | 12.52 | 16.50 | 20.57 |
| Median | 6.5 | 2 | 3 | 3 | 4 | 21 | 11.5 | 4 | 4 | 2.5 | 4 |
| Minimum | 0 | 0.99 | 0.99 | 0.99 | 0.99 | 1 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| Maximum | 240 | 148 | 200 | 250 | 130 | 760 | 180 | 160 | 140 | 180 | 200 |
| %>21 | 25.86 | 17.65 | 11.11 | 26.79 | 13.73 | 21.67 | 32.14 | 17.24 | 14.04 | 11.54 | 19.61 |
| %>85 | 10.34 | 5.88 | 3.70 | 7.14 | 3.92 | 13.33 | 14.29 | 5.17 | 3.51 | 5.77 | 7.84 |

| | Site 12 | Site 13 | Site 14 | Site 15 | Site 16 | Site 17 | Site 18 | Site 19 | Site 20 | Site 21 | Site 22 |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Number of Samples | 54 | 54 | 56 | 56 | 56 | 53 | 53 | 48 | 60 | 60 | 61 |
| Mean | 12.78 | 18.22 | 19.67 | 30.05 | 26.82 | 7.51 | 9.30 | 19.08 | 27.67 | 33.33 | 31.70 |
| Median | 3 | 4 | 1 | 10 | 5 | 1 | 2 | 8.5 | 8 | 5 | 8 |
| Minimum | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| Maximum | 150 | 200 | 600 | 300 | 500 | 164 | 170 | 130 | 600 | 650 | 750 |
| %>21 | 14.81 | 18.52 | 14.29 | 41.07 | 16.07 | 7.55 | 76.23 | 18.75 | 23.33 | 28.33 | 24.59 |
| %>85 | 3.70 | 7.41 | 1.79 | 5.36 | 5.36 | 1.89 | 1.89 | 6.25 | 5.00 | 8.33 | 6.56 |

Summary of Potentially Toxic Phytoplankton Species (cells/litre)

| | Site 35 | | | Site 36 | | |
|---|------------|-------|-------|------------|--------|-------|
| | N(Tot) =27 | | | N(Tot) =28 | | |
| Species | N(obs) | Max | N>PAL | N(obs) | Max | N>PAL |
| Diatoms | | | | | | |
| <i>Pseudo-nitzschia</i> spp. | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Pseudo-nitzschia fraudulenta/australis</i> | 8 | 4000 | 0 | 15 | 19998 | 0 |
| <i>Pseudo-nitzschia heimii</i> | 3 | x | 0 | 3 | 26500 | 0 |
| <i>Pseudo-nitzschia delicatissima</i> complex | 15 | 24000 | 0 | 23 | 110000 | 0 |
| <i>Pseudo-nitzschia pungens/multiseriis</i> | 4 | x | 0 | 8 | 10000 | 0 |
| <i>Pseudo-nitzschia subcurvata</i> | 0 | 0 | 0 | 2 | 38000 | 0 |
| <i>Pseudo-nitzschia turgidula</i> | 4 | 16000 | 0 | 3 | x | 0 |
| Dinoflagellates | | | | | | |
| <i>Alexandrium</i> total | 2 | 125 | - | 7 | 1100 | - |
| <i>Alexandrium catenella/fundyense</i> | 3 | x | 0 | 7 | x | 0 |
| <i>Alexandrium peruvianum/ostenfeldii</i> | 0 | 0 | 0 | 1 | x | 0 |
| <i>Alexandrium pseudogonyaulax</i> | 0 | 0 | - | 2 | x | - |
| <i>Dinophysis acuminata</i> | 3 | 200 | 0 | 13 | 200 | 0 |
| <i>Dinophysis caudata</i> | 0 | 0 | 0 | 3 | 100 | 0 |
| <i>Dinophysis tripos</i> | 0 | 0 | 0 | 3 | 100 | 0 |
| <i>Prorocentrum cordatum</i> | 1 | 1000 | - | 2 | 150 | - |
| <i>Prorocentrum dentatum</i> | 0 | 0 | - | 3 | 5000 | - |

| | | | | | | | |
|---------------------|-------------------------|---|------|---|----|-------|---|
| <i>Prorocentrum</i> | <i>emarginatum</i> | 2 | x | - | 5 | x | - |
| <i>Prorocentrum</i> | <i>gracile</i> | 2 | x | - | 3 | 5000 | - |
| <i>Prorocentrum</i> | <i>lima</i> | 0 | 0 | 0 | 1 | x | 0 |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 1 | x | - | 1 | x | - |
| <i>Prorocentrum</i> | <i>micans</i> | 0 | 0 | - | 1 | x | - |
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 3 | 2000 | - | 3 | 5000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 1 | x | - | 1 | x | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 2 | 2500 | - | 10 | 10000 | - |

x = Observed in plankton tow

- = No Phytoplankton action limit outlined

| | | Site 37 | | |
|-------------------------|-------------------------------|------------|-------|-------|
| | | N(Tot) =29 | | |
| Species | | N(obs) | Max | N>PAL |
| <u>Diatoms</u> | | | | |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 11 | 15000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 4 | 2000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 19 | 20000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseries</i> | 7 | 3333 | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 1 | x | 0 |
| <i>Pseudo-nitzschia</i> | <i>turgidula</i> | 4 | 20000 | 0 |
| <u>Dinoflagellates</u> | | | | |
| <i>Alexandrium</i> | total | 10 | 250 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 5 | x | 0 |
| <i>Alexandrium</i> | <i>peruvianum/ostenfeldii</i> | 2 | x | 0 |
| <i>Alexandrium</i> | <i>pseudogonyaulax</i> | 2 | x | - |
| <i>Alexandrium</i> | sp. | 3 | x | - |
| <i>Dinophysis</i> | <i>acuminata</i> | 12 | 250 | 0 |
| <i>Dinophysis</i> | <i>caudata</i> | 1 | 50 | 0 |
| <i>Gymnodinium</i> | cf. <i>impudicum</i> | 1 | x | - |
| <i>Prorocentrum</i> | <i>cordatum</i> | 1 | x | - |
| <i>Prorocentrum</i> | <i>dentatum</i> | 1 | 3333 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 4 | x | - |
| <i>Prorocentrum</i> | <i>gracile</i> | 4 | 5000 | - |
| <i>Prorocentrum</i> | <i>lima</i> | 1 | x | 0 |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 3 | 5000 | - |
| <i>Prorocentrum</i> | <i>micans</i> | 1 | x | - |
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 4 | 5000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 2 | x | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 15 | 27000 | - |

x = Observed in plankton tow

- = No Phytoplankton action limit outlined

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

| Sample Date | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 | Site 8 | Site 9 | Site 10 | Site 11 |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 09 May 2003 | 10 | 1.99 | 6 | 8 | | 40 | 20 | 4 | 4 | 2 | 20 |
| 29 May 2003 | 150 | 148 | 170 | 250 | 90 | 60 | 90 | 160 | 140 | 156 | 144 |
| 10 Jun 2003 | | 2 | 4 | 26 | 10 | 22 | | | 12 | 14 | 6 |
| 17 Jun 2003 | 40 | | | | | | 100 | 28 | 10 | | |
| 23 Jun 2003 | 15 | 2 | 1 | 18 | 4 | 150 | 38 | 16 | 4 | 1 | 1 |
| 26 Jun 2003 | | | | | | 42 | | | | | |
| 09 Jul 2003 | 98 | 28 | 13 | 69 | | 14 | 67 | 32 | 21 | 9 | 28 |
| 16 Jul 2003 | 21 | | | | | 8 | 20 | 1 | 1 | | |
| 31 Jul 2003 | 1 | 0.99 | 1 | 0.99 | 0.99 | 7 | 6 | 1 | 3 | 0.99 | 0.99 |
| 13 Aug 2003 | 3 | 4 | 1 | 2 | 9 | 25 | 6 | 9 | 16 | 3 | 1 |
| 27 Aug 2003 | 6 | 13 | 1 | 2 | 3 | 8 | 1 | 1 | 0.99 | 0.99 | 2 |
| 10 Sept 2003 | 1 | 0.99 | 3 | 0.99 | 10 | 11 | 3 | 1 | 1 | 0.99 | 0.99 |
| 24 Sept 2003 | 27 | 0.99 | 3 | 1 | 7 | 13 | 17 | 4 | 4 | 2 | 1 |
| 09 Oct 2003 | 6 | 14 | 1 | 0.99 | 2 | 37 | 0.99 | 12 | 2 | 0.99 | 6 |
| 22 Oct 2003 | 2 | 1 | 6 | 0.99 | 2 | 18 | 20 | 2 | 0.99 | 7 | 0.99 |
| 06 Nov 2003 | 1 | 3 | 1 | 0.99 | 3 | 11 | 0.99 | 0.99 | 6 | 2 | 22 |
| 19 Nov 2003 | 1 | 0.99 | 0.99 | 1 | 0.99 | 10 | 3 | 2 | 0.99 | 1 | 1 |
| 24 Nov 2003 | 200 | 48 | 3 | 23 | 48 | 760 | 160 | 53 | 24 | 7 | 50 |
| 02 Dec 2003 | 28 | 12 | 10 | 3 | 2 | 34 | 19 | 9 | 7 | 9 | 62 |
| 04 Dec 2003 | 67 | 38 | 0.99 | 40 | 2 | 58 | 120 | 14 | 9 | 2 | 4 |
| 08 Dec 2003 | 49 | | | | | | 22 | 55 | 33 | | |
| 17 Dec 2003 | 13 | 2 | 3 | 0.99 | 1 | 3 | 28 | 1 | 7 | 2 | 0.99 |
| 15 Jan 2004 | 0.99 | 16 | 12 | 0.99 | 0.99 | 15 | 12 | 4 | 4 | 1 | 0.99 |
| 29 Jan 2004 | 14 | 19 | 6 | 0.99 | | 8 | 24 | 0.99 | 6 | 4 | 3 |
| 09 Feb 2004 | 7 | 2 | 0.99 | 0.99 | 6 | | 25 | 28 | 30 | 20 | 25 |
| 12 Feb 2004 | | | | | | 25 | | | | | |
| 16 Feb 2004 | | | | | | 90 | | | | | |
| 19 Feb 2004 | | | | | | 1 | | | | | |
| 23 Feb 2004 | 0.99 | 2 | 1 | 1 | 1 | 60 | 9 | 2 | 6 | 0.99 | 1 |
| 08 Mar 2004 | 5 | 0.99 | 6 | 5 | 1 | 92 | 7 | 1 | 3 | 1 | 4 |
| 15 Mar 2004 | | | | | | 55 | | | | | |
| 22 Mar 2004 | 0.99 | 2 | 2 | 0.99 | 2 | 26 | 10 | 1 | 1 | 1 | 2 |
| 05 Apr 2004 | 70 | 140 | 200 | 130 | 130 | 130 | 76 | 80 | 86 | 180 | 200 |
| 13 Apr 2004 | 60 | 0.99 | 16 | 8 | 4 | 75 | 21 | 0.99 | 1 | 50 | 14 |
| 15 Apr 2004 | 3 | 0.99 | 0.99 | 15 | 0.99 | 17 | 0.99 | 0.99 | 8 | 3 | 10 |
| 03 May 2004 | 1 | 1 | 0.99 | 3 | 0.99 | 12 | 10 | 0.99 | 0.99 | 0.99 | 0.99 |
| 05 May 2004 | 10 | 0.99 | 4 | 2 | 7 | | 25 | 6 | 0.99 | 1 | 1 |
| 06 May 2004 | 4 | 0.99 | 3 | 0.99 | 30 | 30 | 3 | 7 | 5 | 0.99 | 6 |
| 10 May 2004 | | | 1 | | | | | | | | |
| 12 May 2004 | 19 | 8 | 2 | 5 | 1 | 60 | 9 | 5 | 0.99 | 6 | 9 |
| 13 May 2004 | 6 | 8 | 15 | 72 | 10 | 3 | 60 | 18 | 20 | 29 | 24 |
| 17 May 2004 | | | 0.99 | 0.99 | | | | | | | |
| 31 May 2004 | 0.99 | 17 | 13 | 130 | 14 | 19 | 9 | 0.99 | 1 | 3 | 13 |
| 03 Jun 2004 | | | 3 | 0.99 | 6 | 25 | | | | | |
| 07 Jun 2004 | | | | | | 16 | | | | | |
| 10 Jun 2004 | | | | | | 28 | | | | | |
| 28 Jun 2004 | 4 | 1 | 1 | 0.99 | 2 | 5 | 7 | 2 | 2 | 21 | 6 |
| 20 Jul 2004 | 210 | 130 | 20 | 2 | 5 | 12 | 180 | 13 | 4 | 180 | 180 |
| 26 Jul 2004 | 10 | 2 | 5 | | | | 4 | 8 | 4 | 4 | 0.99 |
| 29 Jul 2004 | 4 | 0.99 | 0.99 | 0.99 | 16 | 9 | 5 | 1 | 1 | 2 | 0.99 |

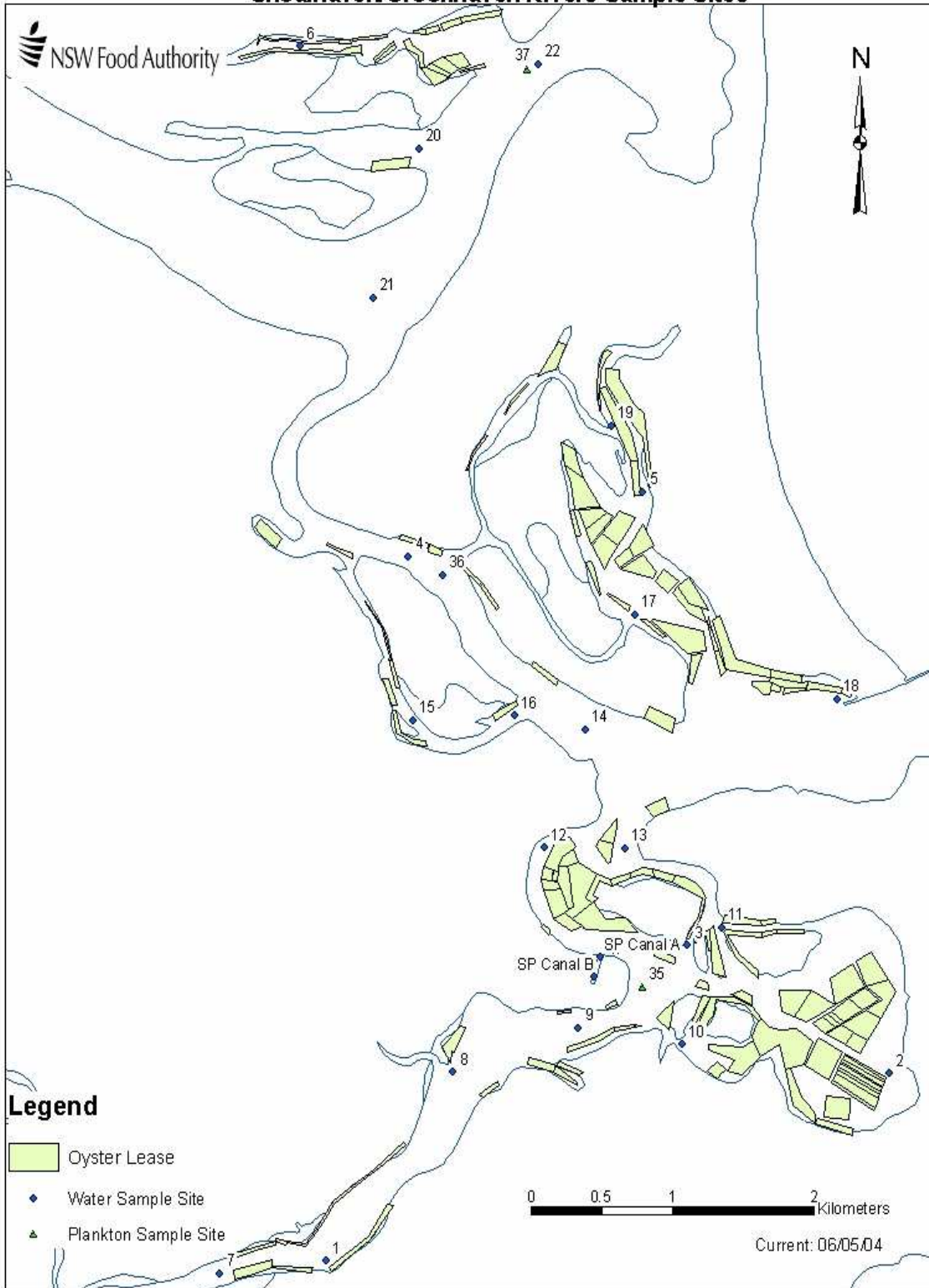
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|--------------|-------|------|------|------|------|-----|------|------|-------|------|------|
| 26 Aug 2004 | 1 | 2 | 3 | 4 | 3 | 30 | 16 | 2 | 4 | 3 | 5 |
| 01 Sept 2004 | | | | 1 | 0.99 | | | | | | |
| 06 Sept 2004 | | | | 0.99 | | | | | | | |
| 23 Sept 2004 | 4 | 0.99 | 2 | 3 | 4 | 66 | 10 | 2 | 7 | 2 | 12 |
| 07 Oct 2004 | 6 | 4 | 1 | 1 | 1 | 2 | 11 | 13 | 1 | 2 | 1 |
| 21 Oct 2004 | 120 | 30 | 22 | 150 | 25 | 300 | 110 | 7 | 14 | 15 | 120 |
| 25 Oct 2004 | 240 | 21 | 32 | 35 | 41 | 106 | 150 | 75 | 56 | 15 | 12 |
| 04 Nov 2004 | 3 | | | 2 | | 10 | 140 | 120 | 3 | | |
| 18 Nov 2004 | 4 | 5 | 0.99 | 50 | 11 | 13 | 9 | 9 | 3 | 5 | 6 |
| 23 Dec 2004 | 0.99 | 2 | 0.99 | 36 | 0.99 | 10 | 0.99 | 9 | 4 | 1 | 3 |
| 03 Jan 2005 | | | | | | 14 | | | | | |
| 31 Jan 2005 | | | | 3 | | 6 | | | | | |
| 01 Feb 2005 | 2 | 0.99 | 1 | | 2 | | 8 | 1 | 1 | 0.99 | 2 |
| 21 Feb 2005 | | | | | 2 | | | | | | |
| 27 Feb 2005 | | | | | 10 | 22 | | | | | |
| 28 Feb 2005 | 10.99 | 6 | | | | | 2 | 6.99 | 13.99 | 2 | 3 |
| 10 Mar 2005 | 10.49 | 30 | 4 | 0.99 | 0.99 | 20 | 5 | 3 | 0.99 | 0.99 | 0.99 |
| 29 Mar 2005 | 0.99 | | | | | | 0.99 | 0.99 | 1 | | |
| 14 Apr 2005 | 30 | 6 | 5 | 3 | 5 | 52 | 17 | 3 | 8 | 8 | 4 |
| 05 May 2005 | 7 | 2 | 5 | 50 | 1 | 28 | 1 | 99 | 5 | 0.99 | 7 |
| 09 May 2005 | 33 | | | 30 | 20 | | 18 | 3 | 30 | 10 | |
| 11 May 2005 | 0 | | | | | | | | | | |
| 19 May 2005 | 14 | 39 | 25 | 52 | 75 | 90 | | 8 | | 50 | 17 |
| 23 May 2005 | 7 | | 48 | 7 | | | 60 | 1 | 50 | | |
| 26 May 2005 | | | | | | 2 | | | | | |
| 01 Jun 2005 | 0.99 | 0.99 | 3 | 20 | 4 | 10 | 4 | 1 | 20 | | |
| 02 Jun 2005 | | | | | | | | 8 | | 12 | 2 |

Highlighted rows indicate event samples

| Sample Date | Site 12 | Site 13 | Site 14 | Site 15 | Site 16 | Site 17 | Site 18 | Site 19 | Site 20 | Site 21 | Site 22 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 09 May 2003 | 8 | 6 | 1.99 | 40 | 4 | 6 | 8 | | 74 | 16 | 8 |
| 29 May 2003 | 150 | 152 | 600 | 100 | 300 | 164 | 170 | 110 | 600 | 650 | 750 |
| 10 Jun 2003 | 1 | 7 | 25 | 13 | 15 | 3 | 20 | 12 | 16 | 35 | 21 |
| 23 Jun 2003 | 1 | 9 | 19 | 29 | 22 | 26 | 14 | 2 | 12 | 27 | 9 |
| 26 Jun 2003 | | | | | | | | | 14 | | 16 |
| 09 Jul 2003 | 22 | 24 | 48 | 23 | 32 | 7 | 33 | | 44 | 130 | 44 |
| 16 Jul 2003 | | | | | | | | | 4 | 4 | 8 |
| 31 Jul 2003 | 2 | 0.99 | 4 | 30 | 2 | 1 | 0.99 | 5 | 4 | 4 | 2 |
| 13 Aug 2003 | 6 | 0.99 | 1 | 5 | 6 | 3 | 1 | 40 | 5 | 1 | 5 |
| 27 Aug 2003 | 1 | 0.99 | 0.99 | 6 | 0.99 | 2 | 0.99 | 6 | 3 | 49 | 11 |
| 10 Sept 2003 | 0.99 | 3 | 0.99 | 6 | 2 | 1 | 0.99 | 20 | 0.99 | 0.99 | 0.99 |
| 24 Sept 2003 | 1 | 3 | 1 | 2 | 2 | 3 | 2 | 11 | 1 | 1 | 6 |
| 09 Oct 2003 | 2 | 4 | 0.99 | 0.99 | 0.99 | 1 | 0.99 | 9 | 2 | 2 | 0.99 |
| 22 Oct 2003 | 0.99 | 3 | 0.99 | 3 | 0.99 | 0.99 | 4 | 30 | 10 | 1 | 4 |
| 06 Nov 2003 | 2 | 1 | 0.99 | 3 | 2 | 0.99 | 14 | 19 | 0.99 | 4 | 2 |
| 19 Nov 2003 | 1 | 2 | 0.99 | 2 | 1 | 0.99 | 0.99 | 1 | 13 | 0.99 | 0.99 |
| 24 Nov 2003 | 110 | 6 | 28 | 38 | 21 | 3 | 56 | 27 | 42 | 120 | 60 |
| 02 Dec 2003 | 22 | 1 | 0.99 | 52 | 1 | 1 | 0.99 | 6 | 4 | 5 | 19 |
| 04 Dec 2003 | 1 | 1 | 0.99 | 40 | 21 | 2 | 0.99 | 8 | 5 | 1 | 3 |
| 17 Dec 2003 | 0.99 | 0.99 | 0.99 | 3 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 15 Jan 2004 | 6 | 3 | 0.99 | 10 | 15 | 0.99 | 1 | 0.99 | 1 | 2 | 20 |

| | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|
| 29 Jan 2004 | 4 | 4 | 2 | 5 | 11 | 0.99 | 1 | | 4 | 0.99 | 1 |
| 09 Feb 2004 | 0.99 | 22 | 2 | 31 | 10 | 15 | 4 | 8 | | | |
| 12 Feb 2004 | | | | | | | | | 2 | 10 | 12 |
| 16 Feb 2004 | | | | | | | | | 16 | 4 | 4 |
| 19 Feb 2004 | | | | | | | | | 0.99 | 0.99 | 0.99 |
| 23 Feb 2004 | 0.99 | 1 | 0.99 | 1 | 65 | 1 | 0.99 | 8 | 8 | 0.99 | 3 |
| 08 Mar 2004 | 1 | 1 | 1 | 36 | 8 | 0.99 | 3 | 7 | 13 | 1 | 4 |
| 15 Mar 2004 | | | | | | | | | 46 | 0.99 | 10 |
| 22 Mar 2004 | 1 | 1 | 0.99 | 37 | 15 | 1 | 0.99 | 3 | 8 | 2 | 2 |
| 05 Apr 2004 | 76 | 200 | 80 | 200 | 150 | 23 | 14 | 120 | 120 | 250 | 150 |
| 13 Apr 2004 | 9 | 14 | 2 | 77 | 16 | 5 | 7 | | 9 | 10 | 5 |
| 14 Apr 2004 | | | | | | | | 70 | | | |
| 15 Apr 2004 | 0.99 | 2 | 0.99 | 0.99 | 0.99 | 10 | 0.99 | 0.99 | 0.99 | 2 | 16 |
| 03 May 2004 | 1 | 4 | 1 | 1 | 0.99 | 0.99 | 2 | 9 | 24 | 2 | 0.99 |
| 05 May 2004 | 10 | 2 | 0.99 | 8 | 1 | 1 | 1 | 17 | | | |
| 06 May 2004 | 5 | 1 | 0.99 | 10 | 20 | 10 | 2 | 8 | 2 | 1 | 2 |
| 10 May 2004 | 5 | 1 | | | | | | | | | |
| 12 May 2004 | 9 | 31 | 0.99 | 29 | 8 | 3 | 6 | 13 | 56 | 5 | 24 |
| 13 May 2004 | 12 | 27 | 6 | 18 | 60 | 13 | 14 | 19 | 19 | 5 | 38 |
| 17 May 2004 | 1 | 1 | 0.99 | 4 | 3 | | | | | | |
| 31 May 2004 | 5 | 42 | 75 | 3 | 12 | 9 | 5 | 8 | 32 | 160 | 38 |
| 03 Jun 2004 | 1 | 0.99 | 0.99 | 2 | 7 | 10 | 3 | 5 | 14 | 5 | 17 |
| 07 Jun 2004 | | | | | | | | | 75 | 20 | 72 |
| 10 Jun 2004 | | | | | | | | | 10 | 5 | 7 |
| 28 Jun 2004 | 1 | 8 | 2 | 4 | 1 | 0.99 | 4 | | 1 | 1 | 3 |
| 20 Jul 2004 | 40 | 150 | 60 | 65 | 0.99 | 1 | 1 | 10 | 1 | 5 | 12 |
| 26 Jul 2004 | 9 | 15 | | | | | | | | | |
| 29 Jul 2004 | 1 | 2 | 1 | 1 | 2 | 1 | 4 | 14 | 10 | 2 | 2 |
| 26 Aug 2004 | 3 | 4 | 4 | 7 | 6 | 3 | 1 | | 3 | 1 | 0.99 |
| 30 Aug 2004 | | | | | | | | 20 | | | |
| 01 Sept 2004 | | | 0.99 | 10 | 0.99 | 0.99 | 0.99 | 4 | | | |
| 06 Sept 2004 | | | 0.99 | 1 | 0.99 | | | | | | |
| 23 Sept 2004 | 3 | 7 | 1 | 50 | 11 | 1 | 0.99 | 9 | 5 | 0.99 | 1 |
| 07 Oct 2004 | 0.99 | 0.99 | 3 | 0.99 | 0.99 | 0.99 | 11 | 0.99 | 0.99 | 2 | 2 |
| 21 Oct 2004 | 11 | 120 | 1 | 300 | 500 | 1 | 3 | 15 | 4 | 12 | 2 |
| 25 Oct 2004 | 70 | 9 | 20 | 105 | 30 | 1 | 15 | 34 | 16 | 22 | 27 |
| 04 Nov 2004 | | | 0.99 | 1 | 1 | | | | 3 | 14 | 4 |
| 18 Nov 2004 | 2 | 5 | 8 | 21 | 6 | 0.99 | 2 | 6 | 15 | 60 | 20 |
| 23 Dec 2004 | 0.99 | 0.99 | 1 | 8 | 1 | 0.99 | 0.99 | 2 | 64 | 50 | 100 |
| 03 Jan 2005 | | | | | | | | | 3 | 2 | 8 |
| 31 Jan 2005 | | | | | | | | | 6 | 3 | 4 |
| 01 Feb 2005 | 3 | 9 | 1 | 30 | 4 | 1 | 1 | 1 | | | |
| 27 Feb 2005 | | | | | | | | 6 | 30 | 8 | 19 |
| 28 Feb 2005 | | | | | | 12 | 0.99 | | | | |
| 10 Mar 2005 | 15 | 1 | 0.99 | 25 | 3 | 0.99 | 5 | | 1 | 5 | 40 |
| 14 Apr 2005 | 8 | 8 | 7 | 50 | 12 | 4 | 4 | 10 | 20 | 30 | 50 |
| 05 May 2005 | 5 | 6 | 1 | 15 | 4 | 1 | 4 | 5 | 5 | 65 | 10 |
| 09 May 2005 | | | 10 | 1 | 4 | 2 | 2 | 38 | | | |
| 19 May 2005 | 30 | 43 | 60 | 94 | 67 | 29 | 34 | 130 | 107 | 53 | 124 |
| 23 May 2005 | 3 | 5 | 2 | 1 | 2 | | | | 8 | 40 | 30 |
| 26 May 2005 | | | | | | | | | 40 | 58 | 65 |
| 02 Jun 2005 | 2 | 6 | 0.99 | 24 | 6 | 3 | 2 | 7 | | 25 | 11 |

Shoalhaven/Crookhaven Rivers Sample Sites



Tuross Lake Harvest Areas

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY RESTRICTED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of Samples | 46 | 45 | 44 | 45 | 45 | 43 | 43 |
| Mean | 47.84 | 27.74 | 35.09 | 27.33 | 20.14 | 37.79 | 24.58 |
| Median | 0.245 | 0 | 0 | 1 | 0 | 2 | 1 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 740 | 580 | 840 | 800 | 420 | 700 | 540 |
| %>21 | 8.70 | 8.89 | 9.09 | 11.11 | 8.89 | 13.95 | 11.63 |
| %>85 | 6.52 | 4.44 | 4.55 | 4.44 | 4.44 | 6.98 | 6.98 |

| | Site 8 | Site 9 | Site 10 | Site 11 | Site 12 | Site 13 |
|-------------------|--------|--------|---------|---------|---------|---------|
| Number of Samples | 42 | 44 | 44 | 42 | 42 | 42 |
| Mean | 23.33 | 27.37 | 32.43 | 35.06 | 29.40 | 29.17 |
| Median | 0.5 | 1 | 1 | 1 | 2 | 0 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 580 | 460 | 900 | 640 | 320 | 800 |
| %>21 | 9.52 | 13.64 | 9.09 | 19.05 | 21.43 | 4.76 |
| %>85 | 4.76 | 9.09 | 4.55 | 7.14 | 11.90 | 4.76 |

Summary of Potentially Toxic Phytoplankton Species (cells/litre)

| | | Site 1 | | | Site 2 | | |
|-------------------------|-------------------------------|------------|-------|-------|------------|--------|-------|
| | | N(Tot) =31 | | | N(Tot) =30 | | |
| Species | | N(Obs) | Max | N>PAL | N(Obs) | Max | N>PAL |
| Diatoms | | | | | | | |
| <i>Pseudo-nitzschia</i> | spp. | 1 | 2500 | 0 | 1 | 9000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 3 | 10000 | 0 | 9 | 40000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 2 | 3300 | 0 | 5 | 15000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 13 | 90000 | 0 | 20 | 322000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseriis</i> | 5 | 11000 | 0 | 8 | 9999 | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 0 | 0 | 0 | 4 | 25000 | 0 |
| Dinoflagellates | | | | | | | |
| <i>Alexandrium</i> | total | 1 | 100 | - | 3 | 100 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 1 | x | 0 | 2 | x | 0 |
| <i>Alexandrium</i> | <i>peruvianum/ostenfeldii</i> | 0 | 0 | 0 | 1 | x | 0 |
| <i>Alexandrium</i> | sp. | 1 | x | - | 0 | 0 | - |
| <i>Dinophysis</i> | <i>acuminata</i> | 5 | 500 | 0 | 18 | 350 | 0 |
| <i>Dinophysis</i> | <i>caudata</i> | 5 | 250 | 0 | 7 | 350 | 0 |
| <i>Dinophysis</i> | <i>tripos</i> | 1 | 450 | 0 | 2 | x | 0 |
| <i>Gymnodinium</i> | cf. <i>pulchellum</i> | 0 | 0 | - | 2 | 50 | - |
| <i>Karenia</i> | <i>brevis</i> | 1 | 2000 | 0 | 1 | 100 | 0 |
| <i>Prorocentrum</i> | <i>cordatum</i> | 4 | 6700 | - | 3 | 6000 | - |
| <i>Prorocentrum</i> | <i>dentatum</i> | 2 | 5000 | - | 5 | 5000 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 4 | x | - | 13 | x | - |

| | | | | | | | |
|---------------------|-------------------------|----|--------|---|----|--------|---|
| <i>Prorocentrum</i> | <i>gracile</i> | 11 | 5000 | - | 7 | x | - |
| <i>Prorocentrum</i> | <i>lima</i> | 0 | 0 | 0 | 1 | x | 0 |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 4 | x | - | 6 | x | - |
| <i>Prorocentrum</i> | <i>micans</i> | 1 | 1300 | - | 3 | 1000 | - |
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 6 | 570000 | - | 9 | 120000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 0 | 0 | - | 5 | x | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 7 | 5000 | - | 10 | 35000 | - |

x = Observed in plankton tow

- = No Phytoplankton action limit outlined

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

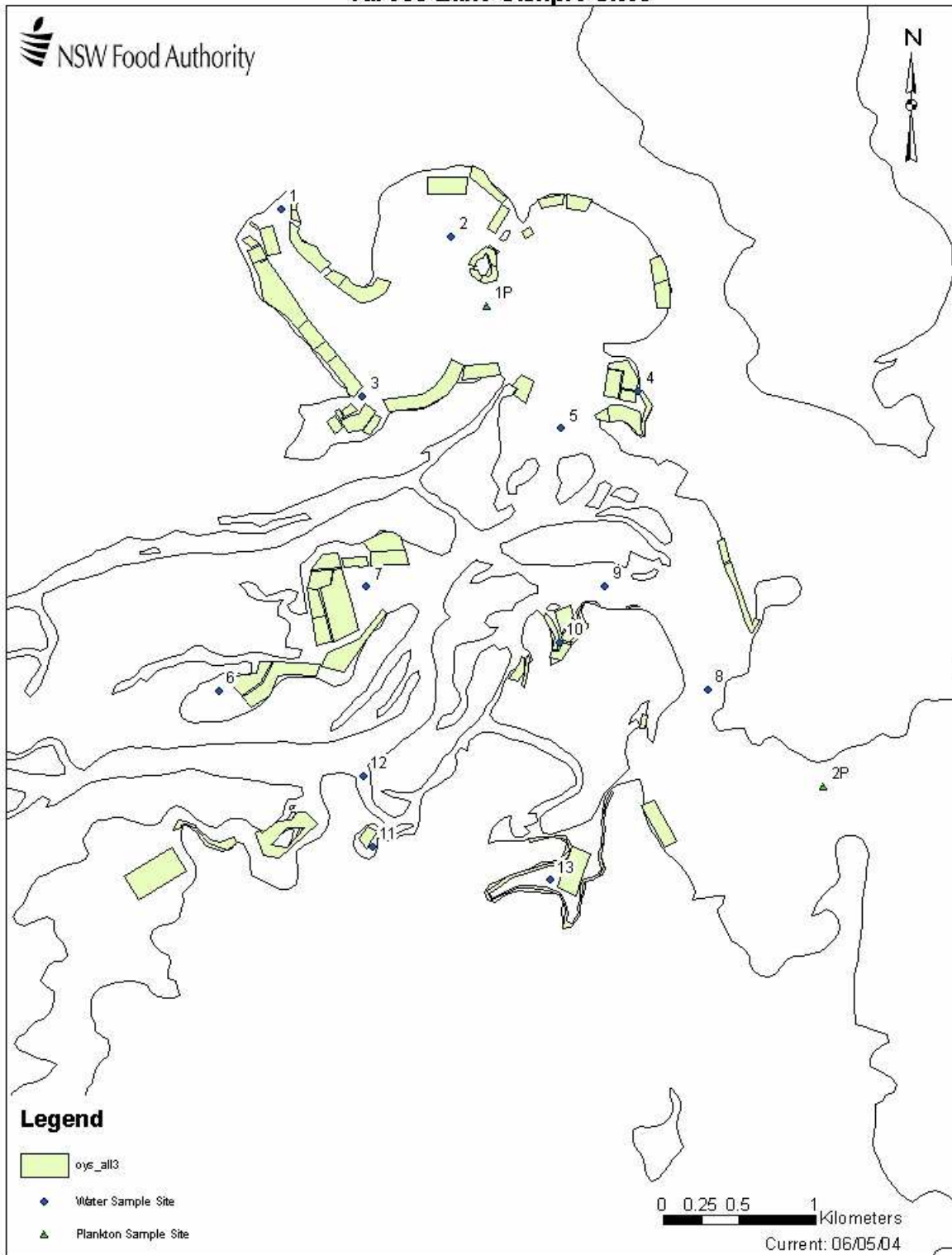
| Sample Date | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 |
|--------------|--------|--------|--------|--------|--------|--------|--------|
| 14 Jan 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 29 Jan 2003 | 1.99 | 1.99 | 1.99 | 22 | 1.99 | 1.99 | 1.99 |
| 13 Feb 2003 | 1.99 | 1.99 | 1.99 | 44 | 1.99 | 1.99 | 1.99 |
| 25 Feb 2003 | 720 | 580 | 480 | 260 | 420 | 440 | 220 |
| 13 Mar 2003 | 740 | 560 | 840 | 800 | 360 | 700 | 540 |
| 24 Mar 2003 | 0 | 2 | 0 | 2 | 4 | 21 | 19 |
| 01 Apr 2003 | 1 | | | | | | |
| 16 Apr 2003 | 4 | 40 | | 16 | 20 | | |
| 23 Apr 2003 | 1 | 0 | 0 | 1 | 1 | 2 | 5 |
| 27 May 2003 | 4 | 2 | 12 | 10 | 38 | 12 | 84 |
| 11 Jun 2003 | 0 | 0 | 0 | 1 | 0 | 15 | 5 |
| 25 Jun 2003 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| 16 Jul 2003 | 0 | 0 | 3 | 0 | 0 | 0 | 1 |
| 29 Jul 2003 | 0 | 0 | 78 | 1 | 1 | 0 | 0 |
| 11 Aug 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Aug 2003 | 1 | 0 | 4 | 0 | 0 | 3 | 0 |
| 08 Sept 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Sept 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07 Oct 2003 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 20 Oct 2003 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 03 Nov 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Nov 2003 | 1 | 0 | 0 | 2 | 0 | 4 | 2 |
| 25 Nov 2003 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | | |
| 01 Dec 2003 | 1 | 0 | 0 | 0 | 0 | 2 | 2 |
| 15 Dec 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Jan 2004 | 0 | 0 | 1 | 3 | 0 | 11 | 1 |
| 10 Feb 2004 | 1 | 0 | 0 | 1 | 0 | 6 | 0 |
| 09 Mar 2004 | 2 | 1 | 0 | 5 | 2 | 28 | 3 |
| 06 Apr 2004 | 11 | 39 | 6 | 22 | 3 | 240 | 7 |
| 04 May 2004 | 3 | 0 | 1 | 2 | 0 | 7 | 1 |
| 02 Jun 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Jun 2004 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 28 Jul 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Aug 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Sept 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05 Oct 2004 | 1 | 0 | 0 | 1 | 0 | 2 | 4 |
| 19 Oct 2004 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 25 Oct 2004 | 40 | 11 | 60 | 20 | 40 | 50 | 30 |
| 15 Nov 2004 | 0 | 1 | 0 | 4 | 0 | 1 | 3 |
| 09 Dec 2004 | 650 | 4 | 14 | 2 | 6 | 60 | 110 |
| 22 Dec 2004 | 1.99 | 1.99 | 1.99 | 1.99 | 4 | 4 | 6 |
| 29 Dec 2004 | 9 | 0 | 2 | 2 | 1 | | |
| 10 Jan 2005 | | | | | | 0 | 0 |
| 09 Mar 2005 | 0.49 | 0.49 | 21 | 2 | 0.49 | 1 | 1 |
| 06 Apr 2005 | 0 | 0 | 13 | 0 | 0 | 1 | 0 |
| 04 May 2005 | 1.99 | 0 | 0 | 2 | 0 | 2 | 3 |
| 31 May 2005 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |

Highlighted rows indicate event samples

| Sample Date | Site 8 | Site 9 | Site 10 | Site 11 | Site 12 | Site 13 |
|--------------|--------|--------|---------|---------|---------|---------|
| 14 Jan 2003 | 0 | 0 | 4 | 1 | 0 | 0 |
| 29 Jan 2003 | 1.99 | 60 | 1.99 | 1.99 | 1.99 | 1.99 |
| 13 Feb 2003 | 1.99 | 1.99 | 8 | 1.99 | 1.99 | 1.99 |
| 25 Feb 2003 | 230 | 360 | 310 | 280 | 230 | 330 |
| 13 Mar 2003 | 580 | 460 | 900 | 640 | 260 | 800 |
| 24 Mar 2003 | 12 | 27 | 15 | 22 | 33 | 3 |
| 08 Apr 2003 | | 6 | 0 | | | 11 |
| 23 Apr 2003 | 4 | 11 | 0 | 4 | 25 | 5 |
| 27 May 2003 | 52 | 110 | 52 | 40 | 100 | 16 |
| 11 Jun 2003 | 2 | 3 | 1 | 5 | 31 | 2 |
| 25 Jun 2003 | 0 | 5 | 0 | 1 | 7 | 0 |
| 16 Jul 2003 | 2 | 0 | 1 | 0 | 7 | 0 |
| 29 Jul 2003 | 3 | 0 | 7 | 1 | 2 | 0 |
| 11 Aug 2003 | 0 | 0 | 0 | 0 | 1 | 0 |
| 25 Aug 2003 | 0 | 0 | 0 | 0 | 1 | 0 |
| 08 Sept 2003 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Sept 2003 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07 Oct 2003 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Oct 2003 | 0 | 0 | 0 | 1 | 3 | 0 |
| 03 Nov 2003 | 0 | 0 | 1 | 0 | 5 | 0 |
| 17 Nov 2003 | 0 | 0 | 0 | 5 | 0 | 0 |
| 01 Dec 2003 | 0 | 4 | 1 | 4 | 3 | 0 |
| 15 Dec 2003 | 0 | 1 | 0 | 1 | 1 | 0 |
| 12 Jan 2004 | 1 | 0 | 1 | 1 | 6 | 1 |
| 10 Feb 2004 | 0 | 0 | 1 | 1 | 1 | 0 |
| 09 Mar 2004 | 1 | 2 | 13 | 41 | 2 | 3 |
| 06 Apr 2004 | 12 | 8 | 11 | 67 | 28 | 5 |
| 04 May 2004 | 0 | 2 | 0 | 2 | 1 | 1 |
| 02 Jun 2004 | 0 | 1 | 0 | 1 | 1 | 0 |
| 30 Jun 2004 | 0 | 0 | 0 | 1 | 1 | 0 |
| 28 Jul 2004 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Aug 2004 | 0 | 0 | 0 | 1 | 0 | 0 |
| 21 Sept 2004 | 0 | 0 | 0 | 0 | 0 | |
| 05 Oct 2004 | 1 | 0 | 0 | 0 | 2 | 2 |
| 19 Oct 2004 | 0 | 1 | 0 | 0 | 0 | 0 |
| 25 Oct 2004 | 20 | 120 | 20 | 33 | 140 | 20 |
| 15 Nov 2004 | 1 | 3 | 1 | 12 | 0 | 3 |
| 09 Dec 2004 | 40 | 9 | 58 | 270 | 320 | 14 |
| 22 Dec 2004 | 8 | 4 | 6 | 18 | 4 | 1.99 |
| 10 Jan 2005 | | 0 | 0 | | | |
| 09 Mar 2005 | 3 | 0.49 | 7 | 0.49 | 2 | 3 |
| 06 Apr 2005 | 0 | 1 | 3 | 0 | 2 | 0 |
| 04 May 2005 | 3 | 4 | 2 | 14 | 10 | 0 |
| 31 May 2005 | 1 | 0 | 2 | 1 | 2 | 0 |

Highlighted rows indicate event samples

Tuross Lake Sample Sites



Tweed River (Terranora Inlet) Harvest Area

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY RESTRICTED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 | Site 8 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Number of Samples | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Mean | 120.80 | 122.61 | 90.87 | 85.69 | 98.93 | 103.78 | 124.76 | 102.52 |
| Median | 11 | 14.5 | 6 | 11 | 10 | 8 | 13 | 8.5 |
| Minimum | 1.99 | 1 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| Maximum | 1950 | 1665 | 1295 | 1350 | 1190 | 1350 | 2400 | 1980 |
| %>21 | 30.43 | 36.96 | 26.09 | 36.96 | 39.13 | 36.96 | 41.30 | 36.96 |
| %>85 | 17.39 | 15.22 | 17.39 | 15.22 | 17.39 | 10.87 | 15.22 | 15.22 |

Summary of Potentially Toxic Phytoplankton Species (cells/litre)

| | | Site 12 | | | Site 13 | | |
|-------------------------|------------------------------|------------|-------|-------|------------|--------|-------|
| | | N(Tot) =20 | | | N(Tot) =21 | | |
| Species | | N(Obs) | Max | N>PAL | N(Obs) | Max | N>PAL |
| Diatoms | | | | | | | |
| <i>Pseudo-nitzschia</i> | <i>spp.</i> | 0 | 0 | 0 | 2 | 3000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 3 | 20000 | 0 | 3 | 10000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 2 | 2000 | 0 | 2 | 7000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 5 | 5000 | 0 | 12 | 350000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseriis</i> | 1 | x | 0 | 2 | x | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 1 | 8900 | 0 | 1 | 1000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>turgidula</i> | 1 | x | 0 | 0 | 0 | 0 |
| Dinoflagellates | | | | | | | |
| <i>Dinophysis</i> | <i>acuminata</i> | 1 | 100 | 0 | 1 | x | 0 |
| <i>Dinophysis</i> | <i>caudata</i> | 2 | 100 | 0 | 2 | 50 | 0 |
| <i>Prorocentrum</i> | <i>dentatum</i> | 0 | 0 | - | 1 | 2000 | - |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 0 | 0 | - | 1 | x | - |
| <i>Prorocentrum</i> | <i>micans</i> | 2 | 5000 | - | 2 | x | - |
| <i>Prorocentrum</i> | <i>minimum/cordatium</i> | 3 | 2000 | - | 1 | 1000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 0 | 0 | - | 1 | x | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 6 | 30000 | - | 5 | 2000 | - |

x = Observed in plankton tow

- = No Phytoplankton action limit outlined

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

| Sample Date | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 | Site 8 |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
| 18 Sept 2003 | 3 | 3 | 7 | 3 | 12 | 6 | 37 | 7 |
| 07 Oct 2003 | 34 | 42 | 24 | 38 | 36 | 38 | 20 | 32 |
| 27 Oct 2003 | 3.99 | 68 | 20 | 12 | 32 | 60 | 24 | 12 |
| 17 Nov 2003 | 4 | 9 | 2 | 2 | 8 | 3 | 1 | 3 |
| 16 Dec 2003 | 40 | 52 | 252 | 164 | 140 | 32 | 80 | 148 |
| 17 Dec 2003 | 4 | 4 | 4 | 52 | 28 | 60 | 4 | 28 |
| 15 Jan 2004 | 196 | 180 | 152 | 228 | 348 | 124 | 164 | 216 |
| 19 Jan 2004 | 500 | 72 | 108 | 64 | 84 | 32 | 54 | 26 |
| 21 Jan 2004 | 14 | 16 | 1.99 | 24 | 42 | 4 | 4 | 8 |
| 27 Jan 2004 | 12 | 23 | 19 | 20 | 19 | 25 | 23 | 26 |
| 30 Jan 2004 | 8 | 3 | 1 | 7 | 3 | 5 | 1 | 1 |
| 03 Feb 2004 | 1010 | 1110 | 990 | 300 | 560 | 1350 | 690 | 490 |
| 09 Feb 2004 | 19 | 20 | 6 | 13 | 17 | 19 | 10 | 12 |
| 16 Feb 2004 | 8 | 18 | 2 | 18 | 8 | 4 | 12 | 8 |
| 18 Feb 2004 | 14 | 24 | 4 | 7 | 1 | 4 | 1 | 9 |
| 03 Mar 2004 | 22 | 16 | 20 | 8 | 12 | 4 | 14 | 6 |
| 09 Mar 2004 | 70 | 46 | 35 | 78 | 130 | 70 | 90 | 66 |
| 17 Mar 2004 | 56 | 18 | 18 | 18 | 8 | 2 | 14 | 12 |
| 01 Apr 2004 | 10 | 12 | 1.99 | 10 | 6 | 14 | 4 | 4 |
| 15 Apr 2004 | 15 | 12 | 6 | 9 | 4 | 11 | 4 | 3 |
| 20 Apr 2004 | 5 | 5 | 4 | 6 | 8 | 1 | 3 | 0.99 |
| 19 May 2004 | 3 | 4 | 4 | 2 | 1 | 2 | 1 | 1 |
| 17 Jun 2004 | 7 | 1 | 1 | 0.99 | 1 | 4 | 2 | 0.99 |
| 15 Jul 2004 | 9 | 2 | 1 | 3 | 5 | 0.99 | 4 | 0.99 |
| 03 Aug 2004 | 1.99 | 2 | 2 | 2 | 8 | 1.99 | 2 | 2 |
| 18 Aug 2004 | 2 | 1.99 | 4 | 4 | 2 | 2 | 2 | 2 |
| 07 Sept 2004 | 6 | 1.99 | 2 | 1.99 | 2 | 1.99 | 1.99 | 1.99 |
| 15 Sept 2004 | 10 | 1.99 | 2 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| 21 Oct 2004 | 164 | 132 | 216 | 192 | 472 | 452 | 432 | 324 |
| 26 Oct 2004 | 4 | 1 | 3 | 4 | 0.99 | 1 | 0.99 | 3 |
| 27 Oct 2004 | 6 | 3 | 0.99 | 4 | 3 | 4 | 6 | 6 |
| 08 Nov 2004 | 1950 | 1665 | 1295 | 1350 | 1190 | 925 | 1165 | 795 |
| 11 Nov 2004 | 50 | 62 | 164 | 158 | 102 | 68 | 118 | 134 |
| 15 Nov 2004 | 14 | 25 | 35 | 26 | 24 | 14 | 32 | 27 |
| 18 Nov 2004 | 13 | 13 | 15 | 34 | 55 | 79 | 61 | 77 |
| 07 Dec 2004 | 168 | 166 | 52 | 48 | 60 | 50 | 52 | 74 |
| 13 Dec 2004 | 110 | 90 | 20 | 50 | 40 | 20 | 30 | 60 |
| 22 Dec 2004 | 2 | 6 | 4 | 4 | 1.99 | 8 | 1.99 | 4 |
| 21 Jan 2005 | 9 | 9 | 0.99 | 1 | 1 | 8 | 0.99 | 0.99 |
| 14 Feb 2005 | 10 | 20 | 8 | 8 | 18 | 30 | 32 | 14 |
| 22 Mar 2005 | 6 | 10 | 2 | 1.99 | 1.99 | 1.99 | 4 | 16 |
| 19 Apr 2005 | 2 | 2 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| 05 May 2005 | 20 | 12 | 12 | 16 | 6 | 68 | 84 | 66 |
| 24 May 2005 | 4 | 2 | 1.99 | 2 | 1.99 | 2 | 16 | 2 |
| 15 Jun 2005 | 18 | 24 | 14 | 24 | 34 | 8 | 32 | 2 |
| 29 Jun 2005 | 920 | 1630 | 640 | 920 | 1010 | 1150 | 2400 | 1980 |

Highlighted rows indicate event samples

Tweed River (Terranora Inlet) Sample Sites



Twofold Bay Harvest Area

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY APPROVED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 | Site 7 | Site 8 | Site 9 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of Samples | 34 | 35 | 35 | 35 | 28 | 28 | 27 |
| Mean | 5.15 | 5.03 | 5.77 | 10.91 | 5.39 | 9.43 | 6.85 |
| Median | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Minimum | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Maximum | 120 | 92 | 110 | 180 | 120 | 230 | 150 |
| %>21 | 2.94 | 5.71 | 5.71 | 5.71 | 3.57 | 3.57 | 3.70 |
| %>85 | 2.94 | 2.86 | 2.86 | 5.71 | 3.57 | 3.57 | 3.70 |

Summary of Potentially Toxic Phytoplankton Species (cells/litre)

| | | Site 1 | | | Site 3 | | |
|-------------------------|-------------------------------|------------|--------|-------|------------|--------|-------|
| | | N(Tot) =38 | | | N(Tot) =38 | | |
| Species | | N(Obs) | Max | N>PAL | N(Obs) | Max | N>PAL |
| Diatoms | | | | | | | |
| <i>Pseudo-nitzschia</i> | spp. | 1 | x | 0 | 2 | 500 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta</i> | 7 | 20000 | 0 | 6 | 10000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 9 | 39996 | 0 | 10 | 45000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 7 | 10000 | 0 | 9 | 21000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>pseudodelicatissima</i> | 0 | 0 | 0 | 1 | x | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 21 | 106656 | 0 | 25 | 164000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseriis</i> | 10 | 43329 | 0 | 12 | 6700 | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 1 | 20000 | 0 | 3 | 7500 | 0 |
| <i>Pseudo-nitzschia</i> | <i>turgidula</i> | 0 | 0 | 0 | 1 | 5000 | 0 |
| Dinoflagellates | | | | | | | |
| <i>Alexandrium</i> | sp. | 2 | x | - | 3 | x | - |
| <i>Alexandrium</i> | total | 7 | 100 | - | 9 | 200 | - |
| <i>Alexandrium</i> | <i>affine</i> | 0 | 0 | - | 0 | 0 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 1 | x | 0 | 2 | 150 | 0 |
| <i>Alexandrium</i> | <i>margalefi</i> | 1 | x | - | 2 | x | - |
| <i>Alexandrium</i> | <i>peruvianum/ostenfeldii</i> | 1 | x | 0 | 2 | x | 0 |
| <i>Alexandrium</i> | <i>pseudogonyaulax</i> | 5 | x | 0 | 3 | 50 | - |
| <i>Dinophysis</i> | <i>acuminata</i> | 31 | 33250 | 9 | 32 | 5250 | 7 |
| <i>Dinophysis</i> | <i>caudata</i> | 8 | 100 | 0 | 3 | 50 | 0 |
| <i>Dinophysis</i> | <i>fortii</i> | 5 | 100 | 0 | 7 | 100 | 0 |
| <i>Dinophysis</i> | <i>hastata</i> | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Dinophysis</i> | <i>tripos</i> | 4 | 150 | 0 | 5 | 100 | 0 |
| <i>Gymnodinium</i> | cf. <i>impudicum</i> | 0 | 0 | - | 1 | 300 | - |
| <i>Gymnodinium</i> | cf. <i>pulchellum</i> | 2 | 50 | - | 1 | 50 | - |
| <i>Karenia</i> | <i>brevis</i> | 1 | 50 | 0 | 2 | 100 | 0 |
| <i>Karenia</i> | <i>mikimotoi</i> | 1 | x | - | 1 | 50 | - |
| <i>Prorocentrum</i> | <i>cordatum</i> | 1 | 100 | - | 0 | 0 | - |
| <i>Prorocentrum</i> | <i>dentatum</i> | 8 | 10000 | - | 7 | 3333 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 1 | 2500 | - | 2 | x | - |

| | | | | | | | |
|---------------------|-------------------------|----|-------|---|----|-------|---|
| <i>Prorocentrum</i> | <i>gracile</i> | 19 | 20000 | - | 18 | 18000 | - |
| <i>Prorocentrum</i> | <i>lima</i> | 0 | 0 | 0 | 2 | x | 0 |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 2 | x | - | 3 | x | - |
| <i>Prorocentrum</i> | <i>micans</i> | 8 | 2000 | - | 6 | 1300 | - |
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 6 | 2500 | - | 5 | 10000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 2 | 0 | - | 1 | x | - |
| <i>Prorocentrum</i> | <i>rostratum</i> | 1 | x | - | 0 | 0 | - |
| <i>Prorocentrum</i> | <i>sp.</i> | 0 | 0 | - | 1 | 500 | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 21 | 45000 | - | 16 | 30000 | - |

x = Observed in plankton tow

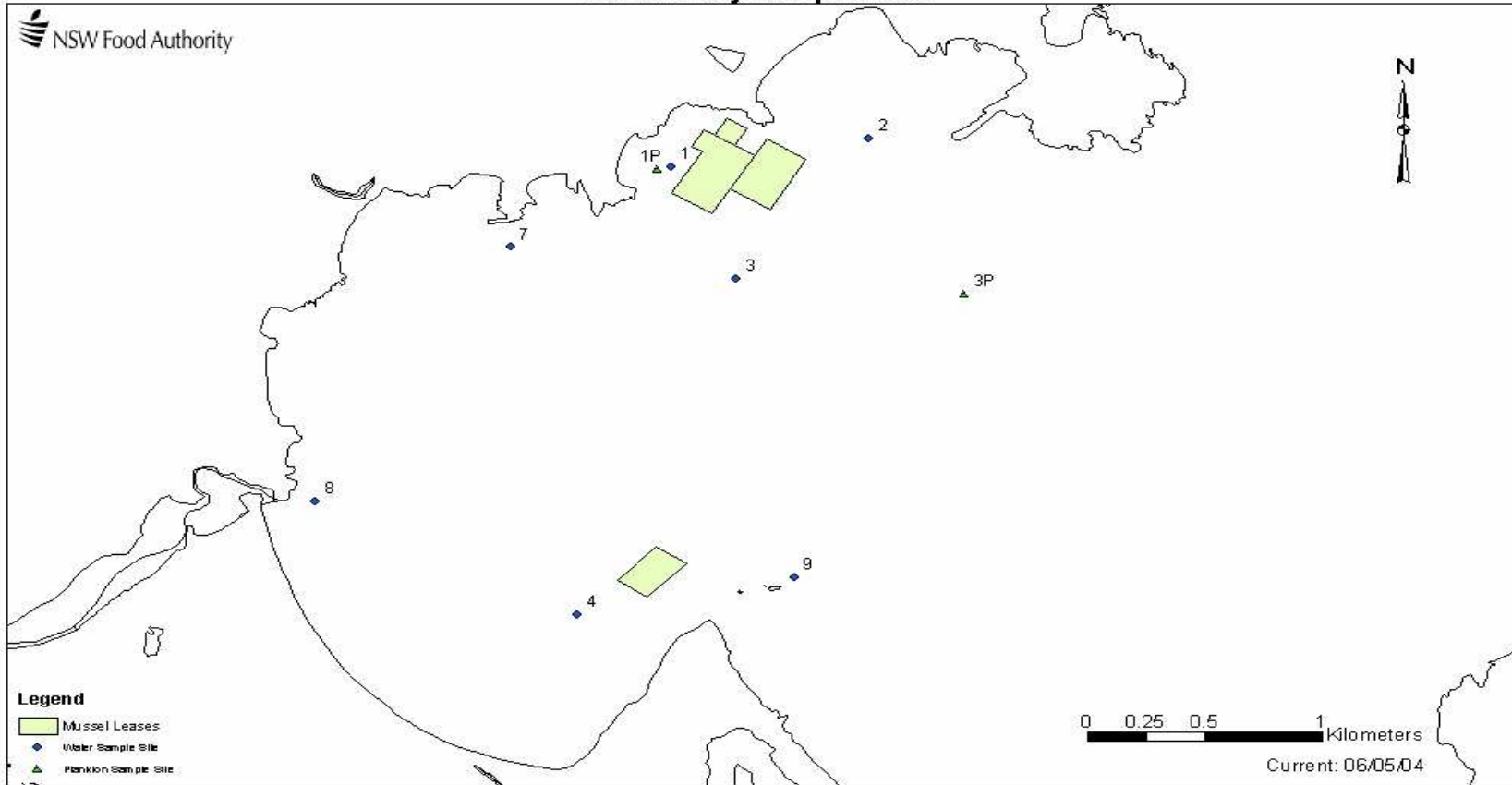
- = No Phytoplankton action limit outlined

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

| Sample Date | Site 1 | Site 2 | Site 3 | Site 4 | Site 7 | Site 8 | Site 9 |
|--------------|--------|--------|--------|--------|--------|--------|--------|
| 08 Jan 2003 | 1 | 1 | 1 | 1 | | | |
| 17 Feb 2003 | 2 | 2 | 2 | 2 | | | |
| 25 Feb 2003 | 14 | 32 | 28 | 160 | | | |
| 27 Feb 2003 | 2 | 2 | 2 | 2 | | | |
| 02 Mar 2003 | 2 | 2 | 2 | 2 | | | |
| 18 Mar 2003 | 2 | 4 | 2 | 2 | | | |
| 13 Apr 2003 | 2 | 2 | 2 | 4 | | | |
| 06 May 2003 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 21 May 2003 | 2 | 4 | 10 | 2 | 2 | 4 | 2 |
| 04 Jun 2003 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 01 Jul 2003 | 3 | 9 | 4 | 1 | 3 | 3 | 6 |
| 04 Aug 2003 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 01 Sept 2003 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 01 Oct 2003 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 29 Oct 2003 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 25 Nov 2003 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 06 Jan 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 27 Jan 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 03 Feb 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 02 Mar 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 29 Mar 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 27 Apr 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 May 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 23 Jun 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22 Jul 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 Aug 2004 | | 1 | 1 | 1 | 1 | 1 | 1 |
| 06 Sept 2004 | 1 | 1 | 13 | 1 | 1 | 1 | 1 |
| 09 Sept 2004 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 16 Sept 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14 Oct 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 Nov 2004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 Dec 2004 | 120 | 92 | 110 | 180 | 120 | 230 | 150 |
| 13 Dec 2004 | 1 | 1 | 2 | 1 | 1 | 2 | 2 |
| 17 Feb 2005 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 Mar 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

Highlighted rows indicate event samples

Twofold Bay Sample Sites



Wagonga Inlet Harvest Areas

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY RESTRICTED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|
| Number of Samples | 50 | 54 | 52 | 51 | 52 | 53 | 53 |
| Mean | 3.02 | 5.53 | 4.97 | 22.78 | 13.83 | 10.78 | 17.68 |
| Median | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 84 | 190 | 110 | 710 | 360 | 290 | 500 |
| %>21 | 4.00 | 3.70 | 3.85 | 5.88 | 3.85 | 5.66 | 3.77 |
| %>85 | 0.00 | 1.85 | 1.92 | 3.92 | 3.85 | 3.77 | 3.77 |

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 8 | Site 9 | Site 10 | Site 11 | Site 12 | Site 13 | Site 14 |
|-------------------|--------|--------|---------|---------|---------|---------|---------|
| Number of Samples | 53 | 52 | 53 | 52 | 51 | 51 | 53 |
| Mean | 31.09 | 25.89 | 35.85 | 14.00 | 1.62 | 5.04 | 8.56 |
| Median | 2 | 0 | 3 | 0.995 | 0 | 1 | 0 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 840 | 840 | 750 | 390 | 27 | 110 | 260 |
| %>21 | 13.21 | 7.55 | 18.87 | 5.77 | 3.92 | 3.92 | 3.77 |
| %>85 | 5.66 | 3.85 | 7.55 | 3.85 | 0.00 | 1.96 | 3.77 |

Summary of Potentially Toxic Phytoplankton Species (cells/litre)

| Species | | Site 1 | | | Site 2 | | |
|-------------------------|-------------------------------|------------|--------|-------|------------|--------|-------|
| | | N(Tot) =40 | | | N(Tot) =35 | | |
| | | N(Obs) | Max | N>PAL | N(Obs) | Max | N>PAL |
| Diatoms | | | | | | | |
| <i>Pseudo-nitzschia</i> | spp. | 3 | 1250 | 0 | 2 | 5000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 21 | 250000 | 2 | 19 | 326634 | 2 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 10 | 55000 | 1 | 7 | 22500 | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 34 | 586608 | 8 | 27 | 890000 | 3 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseriis</i> | 20 | 35000 | 0 | 14 | 17000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 5 | 7500 | 0 | 0 | 0 | 0 |
| <i>Pseudo-nitzschia</i> | <i>turgidula</i> | 1 | x | 0 | 0 | 0 | 0 |
| Dinoflagellates | | | | | | | |
| <i>Alexandrium</i> | total | 14 | 12800 | - | 7 | 1800 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 6 | x | 0 | 7 | x | 0 |
| cf. <i>Alexandrium</i> | cyst | 1 | x | - | 0 | 0 | - |
| <i>Alexandrium</i> | <i>fraterculus</i> | 2 | x | - | 1 | x | - |
| <i>Alexandrium</i> | <i>margalefi</i> | 1 | x | - | 2 | x | - |
| <i>Alexandrium</i> | <i>peruvianum/ostenfeldii</i> | 2 | x | 0 | 0 | 0 | 0 |
| <i>Alexandrium</i> | <i>pseudogonyaulax</i> | 9 | x | - | 7 | x | - |
| <i>Dinophysis</i> | <i>acuminata</i> | 21 | 300 | 0 | 12 | 300 | 0 |
| <i>Dinophysis</i> | <i>caudata</i> | 8 | 100 | 0 | 8 | 200 | 0 |
| <i>Dinophysis</i> | <i>fortii</i> | 2 | 100 | 0 | 1 | 50 | 0 |

| | | | | | | | |
|------------------------------|-------------------------|----|-------|---|----|-------|---|
| <i>Dinophysis/Phalacroma</i> | <i>rotundatum</i> | 1 | x | 0 | 0 | 0 | 0 |
| <i>Dinophysis</i> | <i>tripos</i> | 3 | 50 | 0 | 0 | 0 | 0 |
| <i>Gymnodinium</i> | <i>cf. pulchellum</i> | 3 | 56666 | - | 0 | 0 | - |
| <i>Karenia</i> | <i>brevis</i> | 2 | 50 | 0 | 0 | 0 | 0 |
| <i>Karenia</i> | <i>mikimotoi</i> | 1 | 50 | - | 2 | 100 | - |
| <i>Prorocentrum</i> | <i>cordatum</i> | 1 | 2000 | - | 1 | 5000 | - |
| <i>Prorocentrum</i> | <i>dentatum</i> | 5 | 5000 | - | 3 | 6000 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 10 | x | - | 0 | 0 | - |
| <i>Prorocentrum</i> | <i>gracile</i> | 17 | 5000 | - | 12 | 5000 | - |
| <i>Prorocentrum</i> | <i>lima</i> | 0 | 0 | 0 | 1 | x | 0 |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 7 | x | - | 3 | x | - |
| <i>Prorocentrum</i> | <i>micans</i> | 2 | x | - | 4 | x | - |
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 7 | 5000 | - | 2 | 100 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 4 | 1000 | - | 1 | x | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 17 | 15000 | - | 11 | 15000 | - |

x = Observed in plankton tow

- = No Phytoplankton action limit outlined

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

| Sample Date | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 |
|--------------|--------|--------|--------|--------|--------|--------|--------|
| 06 Jan 2003 | 0.99 | 0.99 | 2 | 0.99 | 0.99 | 0.99 | 2 |
| 15 Jan 2003 | 2 | 1.99 | 1.99 | 16 | 6 | 1.99 | 1.99 |
| 29 Jan 2003 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| 12 Feb 2003 | 1.99 | 1.99 | 1.99 | 1.99 | 2 | 1.99 | 2 |
| 16 Feb 2003 | | 0 | 3 | | 13 | 1 | |
| 25 Feb 2003 | 84 | 72 | 90 | 350 | 290 | 210 | 500 |
| 02 Mar 2003 | 0 | 0 | | 9 | 0 | 1 | 0 |
| 06 Mar 2003 | 0 | 0 | 1 | | 0 | 1 | 4 |
| 12 Mar 2003 | 42 | 190 | 110 | 710 | 360 | 290 | 360 |
| 17 Mar 2003 | 0 | 0 | 1 | 1 | 2 | 0 | 1 |
| 25 Mar 2003 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 09 Apr 2003 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 15 Apr 2003 | 0 | 1.99 | 4 | 1.99 | 1.99 | 14 | 12 |
| 22 Apr 2003 | | | | 1 | | | 0.99 |
| 04 May 2003 | | | 1 | 4 | | | 4 |
| 06 May 2003 | 0 | 1 | | | 0 | 0 | |
| 08 May 2003 | 0 | 0 | 0 | 3 | 0 | 1 | 0 |
| 22 May 2003 | 0 | 2 | 2 | 42 | 4 | 0 | 1 |
| 27 May 2003 | 6 | 4 | 3 | 10 | 3 | 4 | 2 |
| 11 Jun 2003 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 25 Jun 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Jul 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 Jul 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Aug 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Aug 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09 Sept 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Sept 2003 | | 0 | 0 | | 0 | 0 | |
| 23 Sept 2003 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 08 Oct 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Oct 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04 Nov 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Nov 2003 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 24 Nov 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02 Dec 2003 | 0 | 6 | 2 | 0 | 0 | 0 | 5 |
| 16 Dec 2003 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| 13 Jan 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Jan 2004 | 0 | 1 | 2 | 2 | 0 | 0 | 0 |
| 29 Jan 2004 | | | | | | | 0 |
| 11 Feb 2004 | 0 | 0 | 4 | 2 | 8 | 1 | 3 |
| 09 Mar 2004 | 0 | 1 | 1 | 1 | 0 | 0 | 2 |
| 06 Apr 2004 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| 05 May 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01 Jun 2004 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 29 Jun 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Jul 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Aug 2004 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 21 Sept 2004 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 19 Oct 2004 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 25 Oct 2004 | 1.99 | 1.99 | | 1.99 | 1.99 | 1.99 | 1.99 |
| 15 Nov 2004 | 0 | 1 | 3 | 0 | 6 | 0 | 0 |

| | | | | | | | |
|-------------|---|------|------|------|---|------|----|
| 16 Dec 2004 | 2 | 3 | 2 | 0 | 3 | 6 | 7 |
| 21 Dec 2004 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 09 Feb 2005 | 6 | 0.99 | 3 | 0 | 8 | 33 | 10 |
| 14 Feb 2005 | | 0.99 | 2 | | | | |
| 09 Mar 2005 | 2 | 0.49 | 0.49 | 0.99 | 4 | 0.49 | 11 |
| 06 Apr 2005 | 0 | 0 | 1 | 0 | | 0 | 2 |
| 04 May 2005 | | 1 | 4 | 0 | 0 | 0 | 0 |

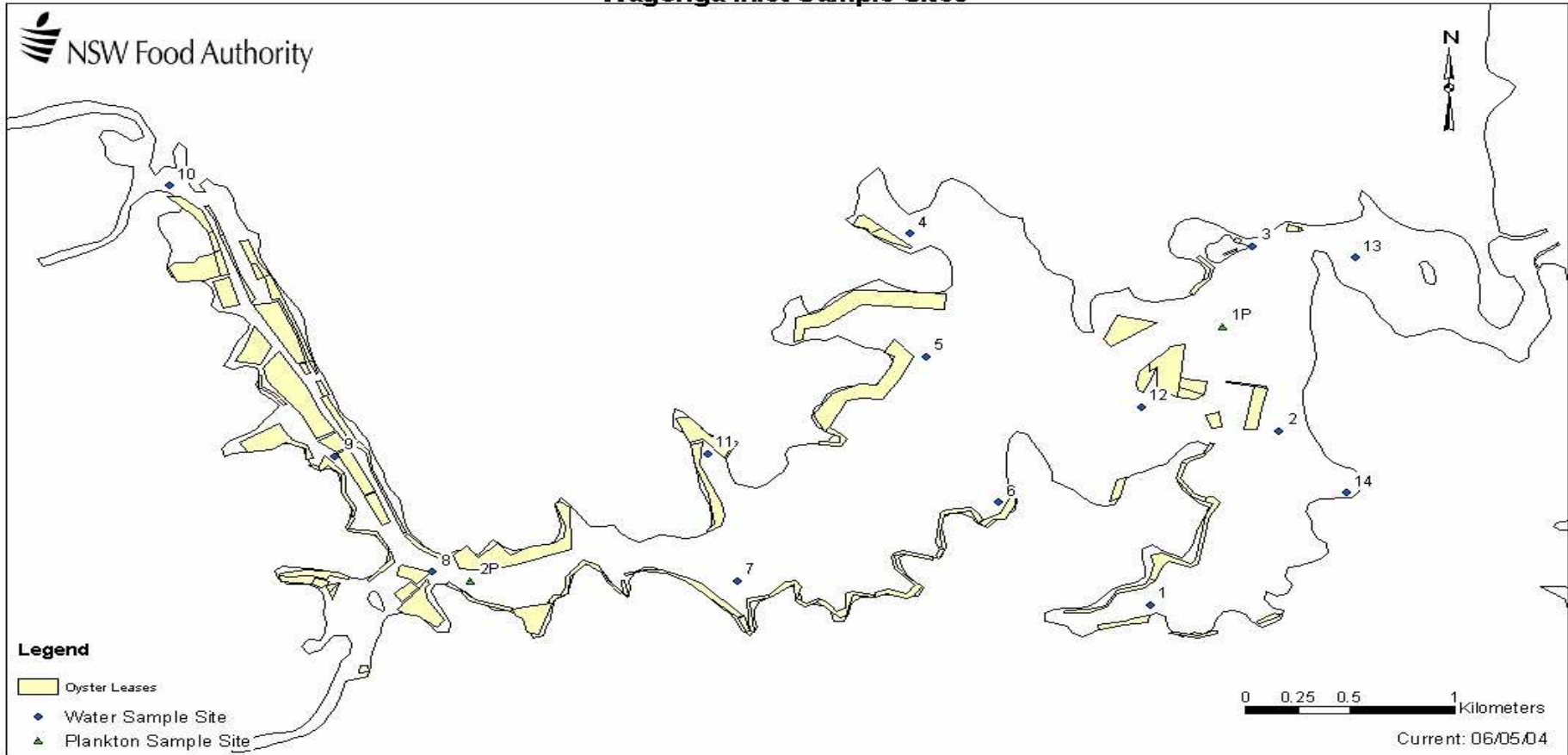
Highlighted rows indicate event samples

| Sample Date | Site 8 | Site 9 | Site 10 | Site 11 | Site 12 | Site 13 | Site 14 |
|--------------|--------|--------|---------|---------|---------|---------|---------|
| 06 Jan 2003 | 5 | 1 | 3 | | | | |
| 15 Jan 2003 | 1.99 | 1.99 | 2 | 20 | 1.99 | 4 | 1.99 |
| 29 Jan 2003 | 4 | 2 | 22 | 2 | 1.99 | 2 | 1.99 |
| 12 Feb 2003 | 1.99 | 1.99 | 8 | 1.99 | 1.99 | 1.99 | 1.99 |
| 16 Feb 2003 | | 0 | 15 | | 0 | 0 | 1 |
| 25 Feb 2003 | 840 | 840 | 750 | 140 | 27 | 110 | 130 |
| 02 Mar 2003 | 21 | 23 | 6 | 5 | 0 | 0 | 1 |
| 06 Mar 2003 | 12 | 16 | 37 | 3 | 2 | 0 | 1 |
| 12 Mar 2003 | 280 | 330 | 260 | 54 | 25 | 76 | 260 |
| 17 Mar 2003 | 5 | 2 | 62 | 5 | 1 | 0 | 1 |
| 25 Mar 2003 | 2 | 0 | 7 | 2 | 0 | 1 | 0 |
| 09 Apr 2003 | 4 | 0 | 11 | 0 | 0 | 3 | 0 |
| 15 Apr 2003 | 66 | 20 | 60 | 4 | 6 | 4 | 1.99 |
| 22 Apr 2003 | 4.99 | | | 0.99 | | | |
| 04 May 2003 | 10 | 1 | | | 1 | | 2 |
| 06 May 2003 | | | 4 | 2 | | 0 | |
| 08 May 2003 | 12 | 3 | 12 | 0 | 0 | 0 | 0 |
| 22 May 2003 | 62 | 16 | 36 | 2 | 1 | 0 | 10 |
| 27 May 2003 | 43 | | 15 | 14 | 4 | 2 | 13 |
| 11 Jun 2003 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 25 Jun 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Jul 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 Jul 2003 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 12 Aug 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Aug 2003 | 0 | 0 | 10 | 1 | 1 | 1 | 0 |
| 09 Sept 2003 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 15 Sept 2003 | | | | | 0 | 1 | 1 |
| 23 Sept 2003 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 08 Oct 2003 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 21 Oct 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04 Nov 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Nov 2003 | 3 | 0 | 0 | 0 | 0 | 2 | 0 |
| 24 Nov 2003 | 18 | 0 | 2 | 5 | 0 | 0 | 0 |
| 02 Dec 2003 | 11 | 3 | 11 | 1 | 0 | | 10 |
| 16 Dec 2003 | 4 | 0 | 3 | 0 | 0 | 1 | 2 |
| 13 Jan 2004 | 0 | 0 | 3 | 0 | 0 | 0 | 2 |
| 27 Jan 2004 | 7 | 0 | 4 | 390 | 1 | 1 | 7 |
| 29 Jan 2004 | 0 | | | 0 | | | |
| 11 Feb 2004 | 39 | 1 | 33 | 4 | 1 | 5 | 0 |
| 09 Mar 2004 | 1 | 0 | 15 | 10 | 0 | 0 | 0 |
| 06 Apr 2004 | 15 | 1 | 3 | 2 | 0 | 3 | 0 |
| 05 May 2004 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

| | | | | | | | |
|--------------|-----|------|-----|------|------|----|------|
| 01 Jun 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 Jun 2004 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 27 Jul 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Aug 2004 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 21 Sept 2004 | 1 | 0 | 0 | 0 | 0 | 5 | 0 |
| 19 Oct 2004 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 25 Oct 2004 | 12 | 1.99 | 8 | 1.99 | 1.99 | 2 | 1.99 |
| 15 Nov 2004 | 3 | 1 | 20 | 7 | 0 | 0 | 0 |
| 16 Dec 2004 | 141 | 79 | 320 | 16 | | 18 | 0 |
| 21 Dec 2004 | 0 | 0 | 21 | 2 | 0 | 1 | 0 |
| 09 Feb 2005 | 12 | 0 | 110 | 15 | 0 | | 0 |
| 14 Feb 2005 | | 0.99 | 2 | | 0.99 | 2 | 0.99 |
| 09 Mar 2005 | 3 | 0.49 | 19 | 17 | 0.49 | 2 | 0.99 |
| 06 Apr 2005 | 1 | 0 | 0 | 0 | 1 | 2 | 0 |
| 04 May 2005 | 0 | 0 | 1 | 0 | | 0 | 0 |

Highlighted rows indicate event samples

Wagonga Inlet Sample Sites



Wallis Lake Harvest Areas

Cape Hawke

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: DUAL MANAGEMENT PLAN

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 | Site 6 | Site 14 | Site 15 | Site 17A | Site 21 | Site 22 |
|--------------------------|--------|--------|--------|--------|--------|---------|---------|----------|---------|---------|
| Number of Samples | 74 | 79 | 78 | 78 | 73 | 76 | 76 | 81 | 76 | 73 |
| Mean | 8.27 | 6.29 | 4.11 | 4.68 | 7.83 | 10.33 | 5.52 | 2.15 | 3.42 | 3.89 |
| Median | 1.995 | 2 | 1.945 | 0 | 0 | 2 | 2 | 0 | 0.5 | 1 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 280 | 130 | 64 | 160 | 220 | 290 | 60 | 84 | 100 | 110 |
| %>21 | 5.41 | 5.06 | 5.13 | 5.13 | 5.48 | 7.89 | 6.58 | 1.23 | 3.95 | 4.11 |
| %>85 | 1.35 | 1.27 | 0.00 | 1.28 | 2.74 | 2.63 | 0.00 | 0.00 | 1.32 | 1.37 |

Long Island

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY RESTRICTED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 9 | Site 10 | Site 11 | Site 12 | Site 18 |
|--------------------------|--------|--------|---------|---------|---------|---------|
| Number of Samples | 74 | 72 | 72 | 74 | 74 | 73 |
| Mean | 8.27 | 5.86 | 20.01 | 15.15 | 8.28 | 11.28 |
| Median | 1.995 | 0 | 2 | 2.5 | 1.45 | 1 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 280 | 210 | 600 | 440 | 280 | 480 |
| %>21 | 5.41 | 5.56 | 11.11 | 10.81 | 5.41 | 4.12 |
| %>85 | 1.35 | 1.39 | 2.78 | 2.70 | 2.70 | 2.74 |

Wallis Island

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY RESTRICTED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 3 | Site 5 | Site 6 | Site 7 | Site 8 | Site 9 | Site 16 | Site 20A |
|--------------------------|--------|--------|--------|--------|--------|--------|---------|----------|
| Number of Samples | 78 | 75 | 73 | 70 | 70 | 72 | 74 | 72 |
| Mean | 4.11 | 2.10 | 7.83 | 13.96 | 23.57 | 5.86 | 2.20 | 7.17 |
| Median | 1.945 | 0 | 0 | 1 | 0.5 | 0 | 1 | 1 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 64 | 56 | 220 | 350 | 630 | 210 | 48 | 190 |
| %>21 | 5.13 | 2.67 | 5.48 | 5.71 | 8.57 | 5.56 | 2.70 | 6.94 |
| %>85 | 0.00 | 0.00 | 2.74 | 4.29 | 5.71 | 1.39 | 0.00 | 2.78 |

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

Note: Sites 1-13 funded by Great Lakes Council and data not presented in report

| Sample Date | Site 14 | Site 15 | Site 16 | Site 17A | Site 18 | Site 20A | Site 21 | Site 22 |
|--------------|---------|---------|---------|----------|---------|----------|---------|---------|
| 02 Jan 2003 | | | | 0 | | | | |
| 07 Jan 2003 | 2 | 1 | 3 | 0 | 1 | 1 | 0 | 0 |
| 14 Jan 2003 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Jan 2003 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Jan 2003 | 2 | 3 | 1 | 2 | 1 | 0 | 1 | 0 |
| 03 Feb 2003 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Feb 2003 | 17 | 11 | 1 | 2 | 3 | 1 | 1 | 1 |
| 18 Feb 2003 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 24 Feb 2003 | 290 | 34 | 2 | 2 | 2 | 4 | 2 | 3 |
| 26 Feb 2003 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 0 |
| 03 Mar 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Mar 2003 | 13 | 52 | 3 | 5 | 3 | 1 | 0 | 1 |
| 14 Mar 2003 | 4 | 6 | 14 | 10 | 80 | 100 | 40 | 50 |
| 16 Mar 2003 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 |
| 19 Mar 2003 | | | | 0 | | | | |
| 24 Mar 2003 | 2 | 4 | 0 | 3 | 4 | 1 | 7 | 3 |
| 01 Apr 2003 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
| 09 Apr 2003 | 1 | 1 | 1 | 1 | 2 | 3 | 0 | 2 |
| 11 Apr 2003 | | | | 0 | | | 1 | 2 |
| 15 Apr 2003 | 44 | 4 | 1 | 0 | 3 | 3 | 0 | 0 |
| 21 Apr 2003 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 |
| 30 Apr 2003 | 1 | 1 | 0 | 2 | 3 | 19 | 0 | 4 |
| 19 May 2003 | 20 | 10 | 40 | 20 | 120 | 65 | 40 | 30 |
| 26 May 2003 | 8 | 10 | 2 | 2 | 2 | 2 | 2 | 2 |
| 04 Jun 2003 | 2 | 2 | 4 | 2 | 6 | 24 | 4 | 1 |
| 09 Jun 2003 | 5 | 7 | 0 | 0 | 0 | 2 | 1 | 2 |
| 10 Jun 2003 | | | | | 1 | 3 | | |
| 17 Jun 2003 | 6 | 4 | 2 | 3 | 1 | 1 | 4 | 2 |
| 27 Jun 2003 | 8 | 6 | 2 | 4 | 7 | 7 | 1 | 5 |
| 22 Jul 2003 | 4 | 4 | 2 | 0 | 5 | 0 | 1 | 0 |
| 27 Aug 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 29 Sept 2003 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 14 Oct 2003 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06 Nov 2003 | 2 | 0 | 1 | | | | | |
| 10 Nov 2003 | | | | 0 | | 0 | | |
| 12 Nov 2003 | 2 | 15 | 0 | 4 | 2 | 1 | 0 | 2 |
| 17 Nov 2003 | | | | | 0 | | | |
| 19 Nov 2003 | 22 | 1 | 0 | 0 | 0 | 0 | 0 | |
| 23 Nov 2003 | 2 | 1 | 4 | 0 | 1 | 2 | 0 | |
| 26 Nov 2003 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | |
| 03 Dec 2003 | 4 | 3 | 2 | 0 | 4 | 1 | 4 | 1 |
| 05 Dec 2003 | 0 | 3 | | 1 | | | 2 | 1 |
| 08 Dec 2003 | 7 | 12 | 4 | 0 | 0 | 2 | 0 | 7 |
| 10 Dec 2003 | 3 | 0 | | 0 | | | 0 | 0 |
| 14 Dec 2003 | 3 | 7 | 0 | 1 | 0 | 3 | 0 | 0 |
| 22 Dec 2003 | 6 | 5 | 0 | 2 | 2 | 0 | 1 | 3 |
| 28 Dec 2003 | 22 | 27 | 2 | 0 | 1 | 1 | 1 | 6 |
| 05 Jan 2004 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | |
|--------------|----|----|----|----|-----|-----|-----|-----|
| 12 Jan 2004 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 20 Jan 2004 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 |
| 03 Feb 2004 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 09 Feb 2004 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 11 Feb 2004 | 0 | 20 | | 0 | | | 0 | 0 |
| 19 Feb 2004 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 27 Feb 2004 | 4 | 4 | 2 | 2 | 12 | 24 | 2 | 1 |
| 04 Mar 2004 | 4 | 3 | 0 | 0 | 1 | 0 | 1 | 1 |
| 08 Mar 2004 | 14 | 5 | 1 | 0 | 2 | 2 | 1 | 2 |
| 21 Mar 2004 | 2 | 2 | 0 | 2 | 4 | 2 | 21 | 2 |
| 24 Mar 2004 | 68 | 60 | 48 | 84 | 480 | 190 | 100 | 110 |
| 30 Mar 2004 | 0 | 0 | 1 | 1 | 4 | 1 | 0 | 1 |
| 31 Mar 2004 | | | | | 3 | | | |
| 01 Apr 2004 | | | 2 | 2 | | 0 | | |
| 08 Apr 2004 | 0 | 2 | 0 | 1 | 1 | 2 | 0 | 1 |
| 15 Apr 2004 | 0 | 2 | 0 | 0 | 3 | 2 | 2 | 0 |
| 06 May 2004 | 8 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| 27 May 2004 | 4 | 2 | 2 | 0 | | | 2 | 2 |
| 31 May 2004 | 1 | 0 | 0 | 0 | | | 0 | 0 |
| 03 Jun 2004 | 6 | 9 | 0 | 0 | 3 | 2 | 2 | 0 |
| 01 Jul 2004 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 |
| 21 Jul 2004 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 |
| 29 Jul 2004 | 7 | 1 | 1 | 0 | 2 | 0 | 0 | 4 |
| 09 Aug 2004 | | | 0 | 0 | | | | |
| 16 Aug 2004 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 26 Aug 2004 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 1 |
| 20 Sept 2004 | 1 | 0 | 1 | 4 | 5 | 4 | 0 | 1 |
| 05 Oct 2004 | 3 | 2 | 0 | 0 | 0 | 7 | 0 | 1 |
| 18 Oct 2004 | 1 | 4 | 1 | 1 | 0 | 0 | 1 | 1 |
| 27 Oct 2004 | 4 | 2 | 2 | 2 | 20 | 20 | 2 | 8 |
| 29 Oct 2004 | 1 | 0 | 0 | 1 | 2 | 3 | 1 | 0 |
| 12 Nov 2004 | | | | | 6 | | | |
| 15 Nov 2004 | 16 | 3 | 0 | 0 | 0 | 0 | 1 | 0 |
| 13 Dec 2004 | 94 | 25 | 2 | 1 | 2 | | 1 | 4 |
| 19 Jan 2005 | 2 | 7 | 0 | 0 | 8 | | 0 | 0 |
| 24 Jan 2005 | 20 | 1 | 1 | 0 | 2 | | 0 | 0 |
| 31 Jan 2005 | 1 | 1 | 0 | 1 | 0 | | 1 | 0 |
| 02 Feb 2005 | 0 | 0 | | 0 | | | 0 | 1 |

Highlighted rows indicate event samples

Summary of Potentially Toxic Phytoplankton Species (cells/litre) – All Wallis Lake

| | | Site 1 | | | Site 2 | | |
|----------------------------------|-------------------------------|------------|--------|-------|------------|---------|-------|
| | | N(Tot) =33 | | | N(Tot) =36 | | |
| Species | | N(Obs) | Max | N>PAL | N(Obs) | Max | N>PAL |
| <u>Diatoms</u> | | | | | | | |
| <i>Pseudo-nitzschia</i> | spp. | 1 | 4500 | 0 | 3 | 20000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta</i> | 5 | 110000 | 1 | 8 | 70000 | 1 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 10 | 470000 | 2 | 12 | 485000 | 3 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 5 | 5000 | 0 | 2 | x | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 31 | 174000 | 0 | 34 | 1372000 | 2 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseriis</i> | 12 | 15000 | 0 | 10 | 24999 | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 4 | 30000 | 0 | 7 | 40000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>turgidula</i> | 1 | 15000 | 0 | 3 | 16000 | 0 |
| <u>Dinoflagellates</u> | | | | | | | |
| <i>Alexandrium</i> | total | 3 | 100 | - | 3 | 100 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 2 | x | 0 | 1 | x | 0 |
| <i>Alexandrium</i> | <i>margalefi</i> | 1 | x | - | 1 | x | - |
| <i>Alexandrium</i> | <i>peruvianum/ostenfeldii</i> | 0 | 0 | 0 | 1 | x | 0 |
| <i>Alexandrium</i> | <i>tamarense</i> | 1 | x | 0 | 1 | x | 0 |
| <i>Dinophysis</i> | <i>acuminata</i> | 22 | 1700 | 4 | 26 | 2000 | 4 |
| <i>Dinophysis</i> | <i>caudata</i> | 12 | 250 | 0 | 14 | 300 | 0 |
| <i>Dinophysis</i> | <i>fortii</i> | 1 | x | 0 | 0 | 0 | 0 |
| <i>Dinophysis/Phalacrochroma</i> | <i>rotundatum</i> | 0 | 0 | 0 | 1 | 50 | 0 |
| <i>Dinophysis</i> | <i>tripos</i> | 3 | 50 | 0 | 3 | 100 | 0 |
| <i>Gymnodinium</i> | cf. <i>pulchellum</i> | 0 | 0 | - | 1 | 50 | - |
| <i>Karenia</i> | <i>brevis</i> | 1 | 50 | 0 | 1 | 50 | 0 |
| <i>Karenia</i> | <i>mikimotoi</i> | 1 | 50 | - | 0 | 0 | - |
| <i>Prorocentrum</i> | <i>cordatum</i> | 0 | 0 | - | 1 | 8333 | - |
| <i>Prorocentrum</i> | <i>dentatum</i> | 4 | 2000 | - | 4 | 6666 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 7 | x | - | 7 | x | - |
| <i>Prorocentrum</i> | <i>gracile</i> | 8 | x | - | 6 | x | - |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 3 | 0 | - | 4 | x | - |
| <i>Prorocentrum</i> | <i>micans</i> | 5 | 5000 | - | 8 | 5000 | - |
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 3 | 25000 | - | 5 | 40000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 0 | 0 | - | 3 | 5000 | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 9 | 15000 | - | 15 | 18000 | - |

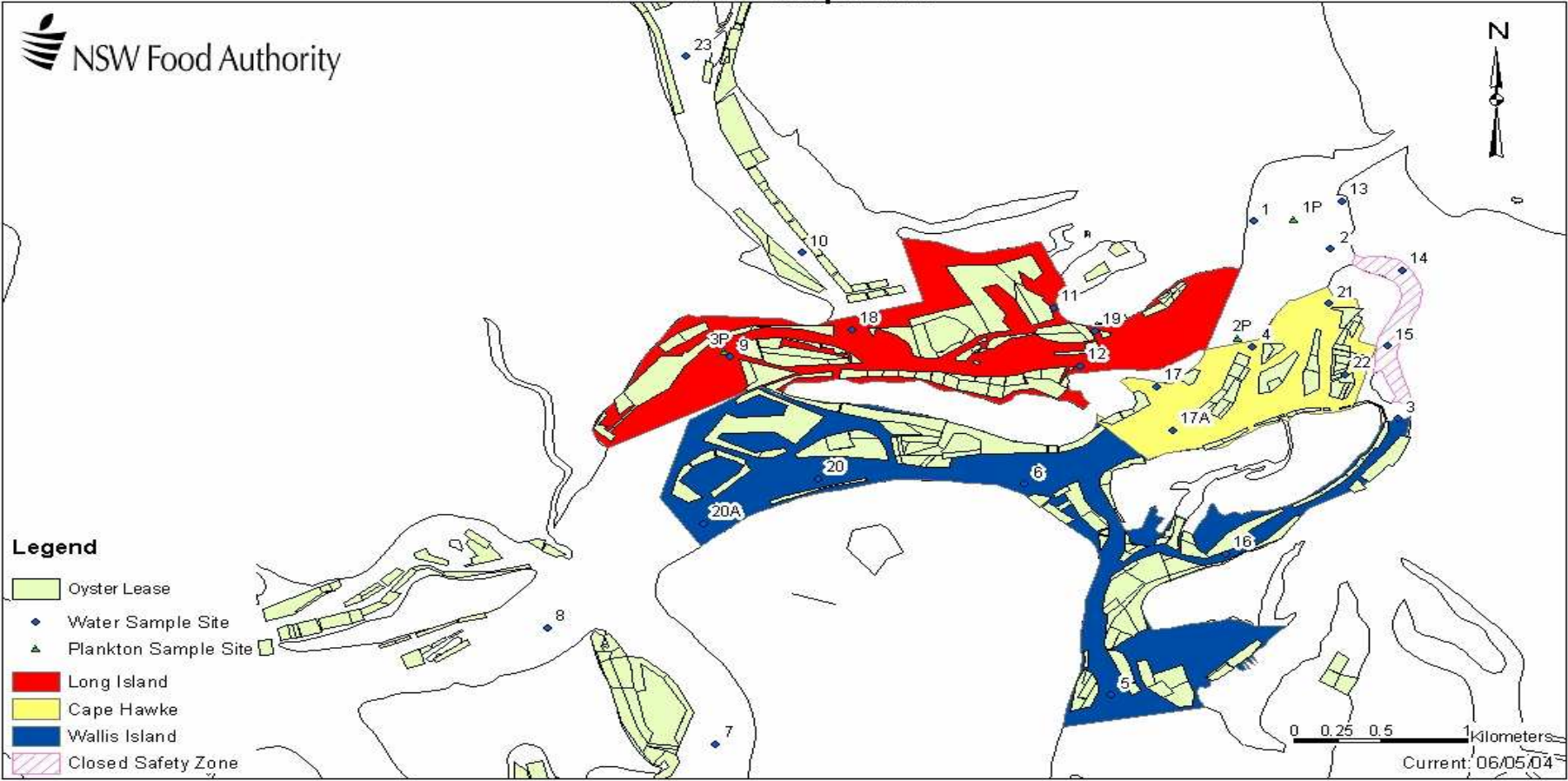
| | | Site 9 | | |
|-------------------------|------------------------------|------------|---------|-------|
| | | N(Tot) =37 | | |
| Species | | N(Obs) | Max | N>PAL |
| <u>Diatoms</u> | | | | |
| <i>Pseudo-nitzschia</i> | spp. | 3 | 10000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta</i> | 3 | 11100 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 10 | 145000 | 2 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 5 | 15000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 34 | 1780000 | 3 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseriis</i> | 11 | 36663 | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 2 | 4000 | 0 |
| <u>Dinoflagellates</u> | | | | |
| <i>Alexandrium</i> | total | 3 | 50 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 1 | x | 0 |
| <i>Alexandrium</i> | <i>margalefi</i> | 1 | x | - |

| | | | | |
|----------------------|-------------------------------|----|-------|---|
| <i>Alexandrium</i> | <i>peruvianum/ostenfeldii</i> | 1 | x | 0 |
| <i>Alexandrium</i> | <i>pseudogonyaulax</i> | 1 | x | - |
| <i>Alexandrium</i> | <i>tamarense</i> | 1 | x | 0 |
| <i>Dinophysis</i> | <i>acuminata</i> | 25 | 1300 | 3 |
| <i>Dinophysis</i> | <i>caudata</i> | 9 | 600 | 1 |
| <i>Dinophysis</i> | <i>tripos</i> | 1 | x | 0 |
| <i>Karenia</i> | <i>brevis</i> | 1 | 50 | 0 |
| <i>Prorocentrum</i> | <i>cordatum</i> | 1 | 250 | - |
| <i>Prorocentrum</i> | <i>dentatum</i> | 2 | 2000 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 3 | x | - |
| <i>Prorocentrum</i> | <i>gracile</i> | 4 | 1000 | - |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 10 | 50 | - |
| <i>Prorocentrum</i> | <i>micans</i> | 8 | 1000 | - |
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 6 | 30000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 3 | x | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 12 | 10000 | - |
| <i>Protoceratium</i> | <i>reticulatum</i> | 2 | x | - |

x = Observed in plankton tow

- = No Phytoplankton action limit outlined

Wallis Lake Sample Sites



Wapengo Lake Harvest Area

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY APPROVED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 | Site 8 | Site 9 | Site 10 | Site 11 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Number of Samples | 46 | 48 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 48 |
| Mean | 42.98 | 23.52 | 3.70 | 1.98 | 5.13 | 1.76 | 3.21 | 4.02 | 1.91 | 1.21 | 22.75 |
| Median | 2 | 0.99 | 0 | 0 | 0 | 0.99 | 0.99 | 0.99 | 0.99 | 0 | 0.995 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 1200 | 810 | 51 | 36 | 210 | 29 | 81 | 110 | 43 | 13 | 580 |
| %>21 | 26.09 | 6.25 | 4.26 | 2.13 | 2.13 | 2.13 | 2.13 | 4.26 | 2.13 | 0.00 | 6.25 |
| %>85 | 10.87 | 4.17 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 4.17 |

Summary of Potentially Toxic Phytoplankton Species (cells/litre) – All Wallis Lake

| | | Site 1 | | | Site 2 | | |
|-------------------------|-------------------------------|------------|--------|-------|------------|-------|-------|
| | | N(Tot) =32 | | | N(Tot) =33 | | |
| Species | | N(Obs) | Max | N>PAL | N(Obs) | Max | N>PAL |
| Diatoms | | | | | | | |
| <i>Pseudo-nitzschia</i> | spp. | 2 | 4000 | 0 | 1 | 2000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 12 | 209979 | 1 | 11 | 26664 | 0 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 8 | 45000 | 0 | 5 | 6000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 22 | 85000 | 0 | 21 | 65000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseriis</i> | 7 | 10000 | 0 | 8 | 4000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 2 | 67500 | 0 | 4 | 10000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>turgidula</i> | 0 | 0 | 0 | 2 | x | 0 |
| Dinoflagellates | | | | | | | |
| <i>Alexandrium</i> | total | 4 | 700 | - | 6 | 850 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 1 | 700 | 0 | 1 | x | 0 |
| <i>Alexandrium</i> | <i>peruvianum/ostenfeldii</i> | 0 | 0 | 0 | 2 | x | 0 |
| <i>Alexandrium</i> | <i>pseudogonyaulax</i> | 5 | x | - | 3 | x | - |
| <i>Alexandrium</i> | <i>tamarense</i> | 1 | x | 0 | 0 | 0 | 0 |
| <i>Alexandrium</i> | sp. | 1 | x | - | 1 | x | - |
| <i>Dinophysis</i> | <i>acuminata</i> | 22 | 92500 | 2 | 18 | 5300 | 3 |
| <i>Dinophysis</i> | <i>caudata</i> | 2 | 50 | 0 | 1 | 50 | 0 |
| <i>Dinophysis</i> | <i>fortii</i> | 3 | x | 0 | 1 | x | 0 |
| <i>Dinophysis</i> | <i>tripos</i> | 4 | 50 | 0 | 2 | x | 0 |
| <i>Gymnodinium</i> | cf. <i>pulchellum</i> | 0 | 0 | - | 1 | 50 | - |
| <i>Karenia</i> | <i>brevis</i> | 0 | 0 | 0 | 1 | 50 | 0 |
| <i>Prorocentrum</i> | <i>compressum</i> | 0 | 0 | - | 1 | x | - |
| <i>Prorocentrum</i> | <i>cordatum</i> | 1 | 500 | - | 0 | 0 | - |
| <i>Prorocentrum</i> | <i>dentatum</i> | 3 | 1700 | - | 2 | 5000 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 18 | 2000 | - | 5 | x | - |
| <i>Prorocentrum</i> | <i>excavatum</i> | 1 | x | - | 0 | 0 | - |
| <i>Prorocentrum</i> | <i>gracile</i> | 12 | 2500 | - | 10 | 4000 | - |
| <i>Prorocentrum</i> | <i>lima</i> | 1 | x | 0 | 0 | 0 | 0 |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 12 | 1000 | - | 11 | x | - |
| <i>Prorocentrum</i> | <i>micans</i> | 4 | 5000 | - | 2 | 7000 | - |

| | | | | | | | |
|---------------------|-------------------------|----|-------|---|----|-------|---|
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 6 | 10000 | - | 3 | 1700 | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 14 | 14000 | - | 17 | 10000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 4 | x | - | 4 | 6700 | - |

x = Observed in plankton tow

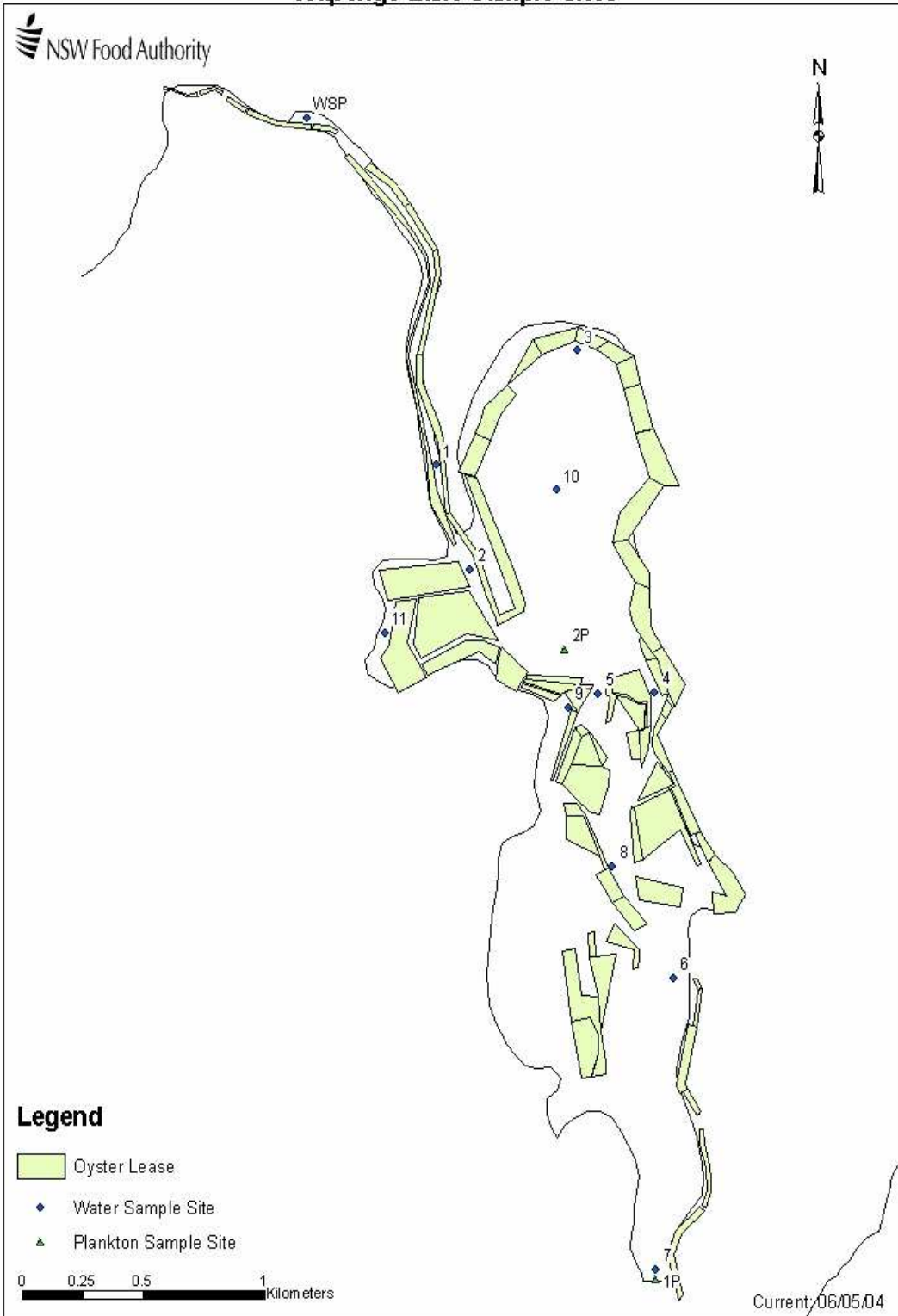
- = No Phytoplankton action limit outlined

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

| Sample Date | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 | Site 8 | Site 9 | Site 10 | Site 11 |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 04 Mar 2003 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 11 Mar 2003 | 1200 | 810 | 6 | 1.99 | 1.99 | 1.99 | 2 | 2 | 1.99 | 6 | 580 |
| 19 Mar 2003 | 32 | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 19 |
| 01 Apr 2003 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 14 Apr 2003 | 28 | 10 | 20 | 7 | 2 | 6 | 2 | 5 | 4 | 8 | 64 |
| 07 May 2003 | 27 | 8 | 0 | 0 | 0 | 1 | 1 | 8 | 0 | 0 | 2 |
| 21 May 2003 | 30 | 1 | 47 | 3 | 7 | 6 | 4 | 2 | 4 | 1 | 16 |
| 02 Jun 2003 | 44 | 13 | 6 | 0 | 0 | 1 | 9 | 3 | 2 | 3 | 16 |
| 03 Jun 2003 | 17 | 6 | 1.99 | 9 | 2 | 1.99 | 1.99 | 28 | 1.99 | 1.99 | 1.99 |
| 18 Jun 2003 | 5 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 1 | 0 | 0 |
| 03 Jul 2003 | 100 | 8 | 0 | 9 | 0 | 3 | 4 | 3 | 0 | 3 | 2 |
| 24 Jul 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06 Aug 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 20 Aug 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1 | 0.99 | 0.99 |
| 03 Sept 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 18 Sept 2003 | 10 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| 01 Oct 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 15 Oct 2003 | 1 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 29 Oct 2003 | 2 | 0.99 | 0.99 | 1 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 2 |
| 12 Nov 2003 | 0.99 | 1 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1 | 0.99 |
| 25 Nov 2003 | 101 | 3 | 8 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |
| 26 Nov 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 10 Dec 2003 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 21 Dec 2003 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 |
| 08 Jan 2004 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Jan 2004 | 160 | 200 | 51 | 36 | 210 | 29 | 81 | 110 | 43 | 8 | 320 |
| 01 Feb 2004 | 24 | 1.99 | 0 | 0 | 1.99 | 0 | 1 | 0 | 0 | 2 | 12 |
| 04 Feb 2004 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 04 Mar 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| 01 Apr 2004 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 |
| 27 May 2004 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 24 Jun 2004 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 20 Jul 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06 Sept 2004 | 14 | 6 | 1 | 10 | 1 | 4 | 6 | 6 | 7 | 1 | 8 |
| 13 Sept 2004 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04 Oct 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Oct 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Oct 2004 | 30 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 5 |
| 28 Oct 2004 | | 0 | | | | | | | | | 0 |
| 09 Nov 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 02 Dec 2004 | 14 | 5 | 0 | 0 | 0 | 4 | 4 | 1 | 2 | 0 | 1 |
| 14 Dec 2004 | 98 | 30 | 21 | 7 | 3 | 8 | 9 | 7 | 5 | 13 | 12 |
| 19 Jan 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 21 Feb 2005 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 9 |
| 21 Mar 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 27 Apr 2005 | 10 | 0 | 0 | 0 | 3 | 3 | 0 | 1 | 0 | 0 | 3 |
| 24 May 2005 | | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 28 Jun 2005 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Highlighted rows indicate event samples

Wapengo Lake Sample Sites



Wonboyn Lake Harvest Areas

Sampling strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY APPROVED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 | Site 8 | Site 9 | Site 10 | Site 11 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Number of Samples | 41 | 41 | 41 | 41 | 42 | 41 | 41 | 41 | 41 | 41 | 41 |
| Mean | 6.56 | 4.83 | 3.66 | 3.44 | 2.47 | 3.73 | 3.78 | 3.07 | 4.14 | 3.14 | 3.90 |
| Median | 1 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| Minimum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum | 100 | 140 | 110 | 80 | 30 | 88 | 110 | 78 | 110 | 76 | 86 |
| %>21 | 7.32 | 2.44 | 2.44 | 2.44 | 4.76 | 4.88 | 2.44 | 2.44 | 2.44 | 2.44 | 4.88 |
| %>85 | 2.44 | 2.44 | 2.44 | 0 | 0 | 2.44 | 2.44 | 0 | 2.44 | 0 | 2.44 |

Summary of Potentially Toxic Phytoplankton Species (cells/litre)

| | | Site 1 | | | Site 2 | | |
|------------------------------|-------------------------------|------------|---------|-------|------------|---------|-------|
| | | N(Tot) =39 | | | N(Tot) =38 | | |
| Species | | N(Obs) | Max | N>PAL | N(Obs) | Max | N>PAL |
| Diatoms | | | | | | | |
| <i>Pseudo-nitzschia</i> | spp. | 4 | 2000 | 0 | 1 | x | 0 |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 13 | 5000 | 0 | 6 | 35000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 3 | 5000 | 0 | 2 | 2000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 35 | 1980000 | 2 | 28 | 7150000 | 9 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseriis</i> | 13 | 22200 | 0 | 8 | 100000 | 1 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 2 | 29600 | 0 | 0 | 0 | 0 |
| <i>Pseudo-nitzschia</i> | <i>turgidula</i> | 1 | 10000 | 0 | 0 | 0 | 0 |
| Dinoflagellates | | | | | | | |
| <i>Alexandrium</i> | total | 8 | 150 | - | 12 | 450 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 1 | x | 0 | 3 | x | 0 |
| cf. <i>Alexandrium</i> | cyst | 1 | x | - | 0 | 0 | - |
| <i>Alexandrium</i> | <i>fraterculus</i> | 1 | x | - | 0 | 0 | - |
| <i>Alexandrium</i> | <i>margalefi</i> | 2 | 0 | - | 9 | x | - |
| <i>Alexandrium</i> | <i>minutum</i> | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Alexandrium</i> | <i>peruvianum/ostenfeldii</i> | 6 | x | 0 | 0 | 0 | 0 |
| <i>Alexandrium</i> | <i>pseudogonyaulax</i> | 0 | 0 | - | 3 | x | - |
| <i>Alexandrium</i> | <i>tamarensis</i> | 0 | 0 | 0 | 1 | x | 0 |
| <i>Alexandrium</i> | sp. | 1 | x | - | 3 | 10000 | - |
| <i>Dinophysis</i> | <i>acuminata</i> | 24 | 250 | 0 | 8 | 100 | 0 |
| <i>Dinophysis</i> | <i>caudata</i> | 8 | 50 | 0 | 19 | 2100 | 6 |
| <i>Dinophysis</i> | <i>fortii</i> | 1 | 50 | 0 | 0 | 0 | 0 |
| <i>Dinophysis/Phalacroma</i> | <i>rotundatum</i> | 1 | 50 | 0 | 1 | x | 0 |
| <i>Dinophysis</i> | <i>tripos</i> | 4 | 150 | 0 | 0 | 0 | 0 |
| <i>Gymnodinium</i> | cf. <i>pulchellum</i> | 4 | 1500 | - | 4 | 750 | - |
| <i>Karenia</i> | <i>brevis</i> | 1 | x | 0 | 9 | 250 | 0 |
| <i>Karenia</i> | <i>mikimotoi</i> | 2 | 50 | - | 4 | 50 | - |
| <i>Prorocentrum</i> | <i>cordatum</i> | 2 | 6000 | - | 3 | 20000 | - |
| <i>Prorocentrum</i> | <i>dentatum</i> | 7 | 25000 | - | 5 | 60000 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 8 | 5000 | - | 1 | x | - |

| | | | | | | | |
|----------------------------|--------------------------------|----|-------|---|----|--------|---|
| <i>Prorocentrum</i> | <i>gracile</i> | 13 | 2500 | - | 25 | 45000 | - |
| <i>Prorocentrum</i> | <i>lima</i> | 8 | 150 | 0 | 0 | 0 | 0 |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 22 | 6700 | - | 9 | 5000 | - |
| <i>Prorocentrum</i> | <i>micans</i> | 1 | x | - | 3 | 5000 | - |
| <i>Prorocentrum</i> | <i>minimum/cordatum</i> | 17 | 95000 | - | 21 | 170000 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 7 | 5000 | - | 3 | x | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 7 | 10000 | - | 5 | 20000 | - |

x = Observed in plankton tow

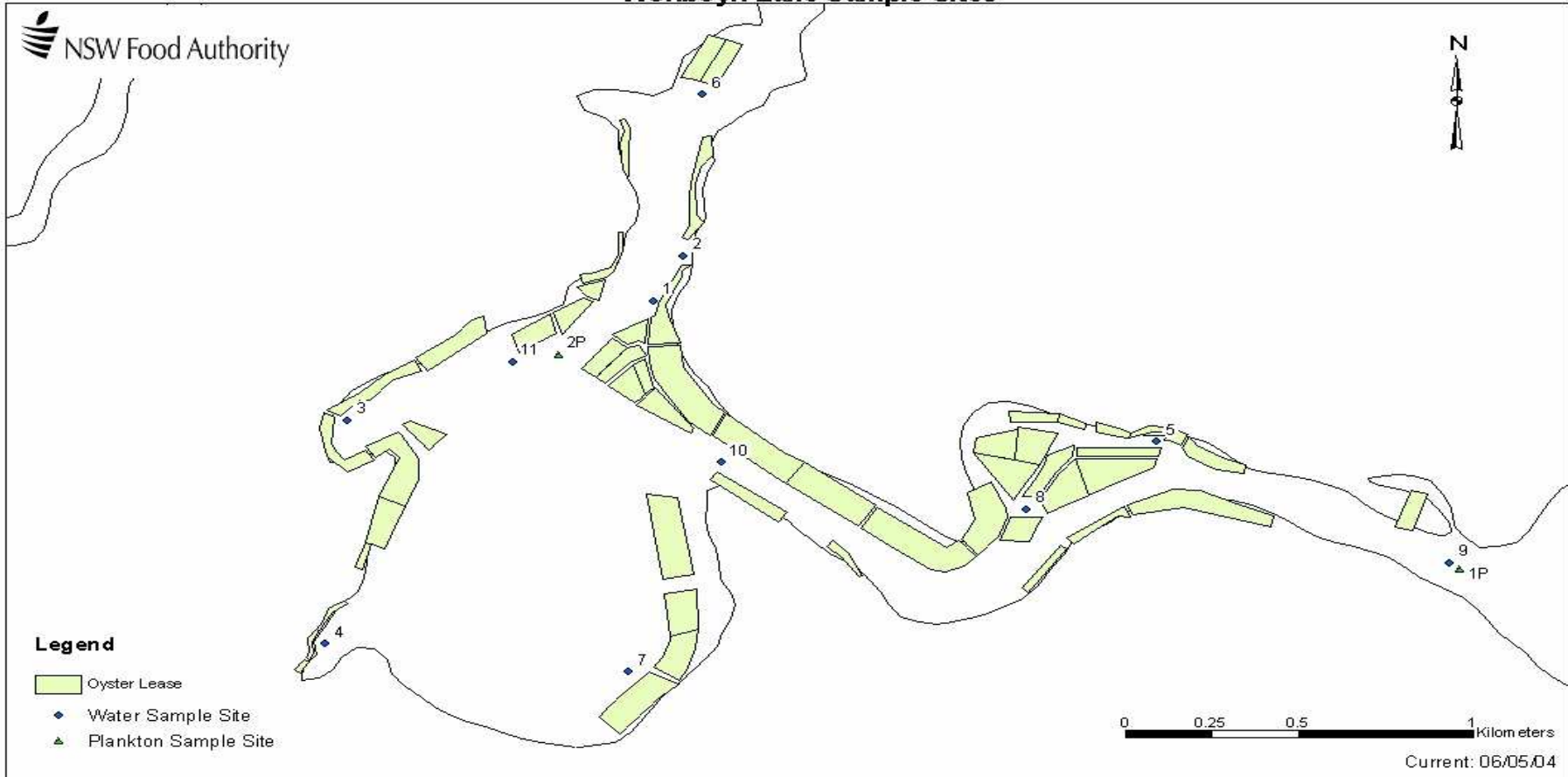
- = No Phytoplankton action limit outlined

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

| Sample Date | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 | Site 6 | Site 7 | Site 8 | Site 9 | Site 10 | Site 11 |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 05 Mar 2003 | 4 | 5 | 3 | 1 | 3 | 6 | 1 | 1 | 2 | 1 | 2 |
| 18 Mar 2003 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 |
| 01 Apr 2003 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 07 May 2003 | 4 | 2 | 0 | 1 | 4 | 0 | 2 | 0 | 0 | 4 | 2 |
| 12 May 2003 | | | | | 1.99 | | | | | | |
| 04 Jun 2003 | 2 | 1.99 | 1.99 | 2 | 1.99 | 1.99 | 1.99 | 3 | 2 | 2 | 6 |
| 17 Jun 2003 | 2 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 5 | 2 | 1.99 |
| 01 Jul 2003 | 13 | 15 | 6 | 9 | 22 | 27 | 14 | 11 | 16 | 17 | 0.99 |
| 23 Jul 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 05 Aug 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 19 Aug 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1 | 0.99 | 0.99 | 0.99 |
| 02 Sept 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Sept 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 30 Sept 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 14 Oct 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oct 2003 | 2 | 1 | 0.99 | 0.99 | 5 | 0.99 | 0.99 | 0.99 | 1 | 0.99 | 0.99 |
| 11 Nov 2003 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 25 Nov 2003 | 81 | 0.99 | 0.99 | 3 | 0.99 | 1 | 0.99 | 0.99 | 0.99 | 0.99 | 32 |
| 09 Dec 2003 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06 Jan 2004 | 6 | 0.99 | 5 | 7 | 9 | 0.99 | 0.99 | 7 | 13 | 0.99 | 1 |
| 03 Feb 2004 | 2 | 3 | 1 | 1 | 1 | 3 | 0.99 | 0.99 | 0.99 | 1 | 8 |
| 02 Mar 2004 | 0.99 | 0.99 | 1 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 31 Mar 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 |
| 29 Apr 2004 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 |
| 25 May 2004 | 27 | 4 | 0 | 12 | 0 | 5 | 0 | 1 | 0 | 0 | 0 |
| 23 Jun 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Jul 2004 | 1 | 0.99 | 2 | 0.99 | 5 | 0.99 | 0.99 | 1 | 0.99 | 0.99 | 0.99 |
| 21 Jul 2004 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 18 Aug 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 06 Sept 2004 | 2 | 1.99 | 1.99 | 1.99 | 4 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| 15 Sept 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 13 Oct 2004 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 25 Oct 2004 | 1.99 | 2 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| 10 Nov 2004 | 0.99 | 0.99 | 0.99 | 2 | 1 | 0.99 | 0.99 | 2 | 0.99 | 0.99 | 0.99 |
| 14 Dec 2004 | 100 | 140 | 110 | 80 | 30 | 88 | 110 | 78 | 110 | 76 | 86 |
| 04 Jan 2005 | 2 | 2 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2 | 1.99 |
| 14 Feb 2005 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Feb 2005 | 4 | | 1.99 | 2 | 1.99 | 2 | 1.99 | 1.99 | 1.99 | 4 | 1.99 |
| 01 Mar 2005 | | 1.99 | | | | | | | | | |
| 14 Mar 2005 | 0 | 2 | 0 | 1.99 | 0 | 0 | 0 | 0 | 1.99 | 0 | 0 |
| 13 Apr 2005 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 09 May 2005 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07 Jun 2005 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Highlighted rows indicate event samples

Wonboyn Lake Sample Sites



Wooli River Harvest Area

Sampling Strategy: Adverse Pollution Condition

Harvest Area Classification: CONDITIONALLY APPROVED

Summary of Water Data Statistics (faecal coliforms/100ml)

| | Site 1 | Site 2 | Site 3 | Site 4 |
|-------------------|--------|--------|--------|--------|
| Number of Samples | 39 | 39 | 38 | 38 |
| Mean | 12.51 | 15.51 | 13.00 | 7.92 |
| Median | 0.99 | 1 | 0.99 | 0 |
| Minimum | 0 | 0 | 0 | 0 |
| Maximum | 210 | 190 | 150.99 | 150.99 |
| %>21 | 7.69 | 10.26 | 10.53 | 5.26 |
| %>85 | 5.13 | 7.69 | 7.89 | 5.26 |

Summary of Potentially Toxic Phytoplankton Species (cells/litre)

| | | Site 7 | | |
|-------------------------|------------------------------|------------|--------|-------|
| | | N(Tot) =26 | | |
| Species | | N(Obs) | Max | N>PAL |
| Diatoms | | | | |
| <i>Pseudo-nitzschia</i> | <i>fraudulenta/australis</i> | 7 | 59994 | 1 |
| <i>Pseudo-nitzschia</i> | <i>heimii</i> | 3 | 6000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>delicatissima</i> complex | 22 | 376000 | 0 |
| <i>Pseudo-nitzschia</i> | <i>pungens/multiseries</i> | 4 | x | 0 |
| <i>Pseudo-nitzschia</i> | <i>subcurvata</i> | 5 | 6666 | 0 |
| <i>Pseudo-nitzschia</i> | <i>turgidula</i> | 1 | x | 0 |
| Dinoflagellates | | | | |
| <i>Alexandrium</i> | total | 2 | 150 | - |
| <i>Alexandrium</i> | <i>catenella/fundyense</i> | 2 | x | 0 |
| <i>Alexandrium</i> | sp. | 2 | x | - |
| <i>Dinophysis</i> | <i>acuminata</i> | 6 | 1050 | 1 |
| <i>Dinophysis</i> | <i>acuta</i> | 0 | 0 | 0 |
| <i>Dinophysis</i> | <i>caudata</i> | 11 | 200 | 0 |
| <i>Dinophysis</i> | <i>tripos</i> | 1 | 400 | 0 |
| <i>Prorocentrum</i> | <i>dentatum</i> | 1 | 2000 | - |
| <i>Prorocentrum</i> | <i>emarginatum</i> | 1 | x | - |
| <i>Prorocentrum</i> | <i>lima</i> | 1 | 5000 | 1 |
| <i>Prorocentrum</i> | <i>mexicanum</i> | 3 | x | - |
| <i>Prorocentrum</i> | <i>micans</i> | 5 | 4000 | - |
| <i>Prorocentrum</i> | <i>minimum/cordatatum</i> | 5 | 1400 | - |
| <i>Prorocentrum</i> | <i>rhathymum</i> | 3 | 5000 | - |
| <i>Prorocentrum</i> | <i>triestinum</i> | 16 | 26000 | - |

x = Observed in plankton tow

- = No Phytoplankton action limit outlined

2003-2005 Water Bacteriological Data (faecal coliforms/100ml)

| Sample date | Site 1 | Site 2 | Site 3 | Site 4 |
|--------------|--------|--------|--------|--------|
| 14 May 2003 | 210 | 190 | 104 | 106 |
| 04 Jun 2003 | 34 | 29 | 39 | 15 |
| 25 Jun 2003 | 12 | 4 | 11 | 1 |
| 16 Jul 2003 | 0 | 3 | 6 | 0 |
| 30 Jul 2003 | 6 | 3 | 1 | 1 |
| 19 Aug 2003 | 1 | 0 | 0 | 0 |
| 02 Sept 2003 | 0 | 0 | 0 | 0 |
| 24 Sept 2003 | 2 | 0 | 0 | 0 |
| 09 Oct 2003 | 0 | 0 | 0 | 3 |
| 29 Oct 2003 | 0 | 0 | 0 | 0 |
| 26 Nov 2003 | 2 | 2 | 0 | 0 |
| 10 Dec 2003 | 8 | 10 | 0 | 1 |
| 14 Jan 2004 | 15 | 17 | 10 | 12 |
| 21 Jan 2004 | | 7 | | |
| 23 Jan 2004 | 0.99 | 0.99 | 0.99 | 0.99 |
| 11 Feb 2004 | 0 | 1 | 0 | 0 |
| 10 Mar 2004 | 4 | 10 | 0 | 0 |
| 06 Apr 2004 | 2 | 0 | 1 | 0 |
| 04 May 2004 | 0 | 0 | 0 | 0 |
| 10 May 2004 | 0.99 | 0.99 | 0.99 | 0.99 |
| 01 Jun 2004 | 0 | 0 | 4 | 0 |
| 24 Jun 2004 | 0 | 0 | 0 | 0 |
| 29 Jun 2004 | 1 | 1 | 1 | 1 |
| 27 Jul 2004 | 6 | 0 | 2 | 2 |
| 02 Aug 2004 | 0.99 | | | |
| 23 Aug 2004 | 1 | 0 | 0 | 0 |
| 21 Sept 2004 | 0 | 0 | 0 | 0 |
| 20 Oct 2004 | 0.99 | 0.99 | 0.99 | 0.99 |
| 22 Oct 2004 | 0.99 | 0.99 | 0.99 | 0.99 |
| 25 Oct 2004 | 0.99 | 1 | 1 | 0.99 |
| 09 Nov 2004 | 0.99 | 10 | 4 | 0.99 |
| 16 Nov 2004 | 0 | 0 | 0 | 0 |
| 13 Jan 2005 | 0 | 0 | 0 | 0 |
| 28 Jan 2005 | 150.99 | 150.99 | 150.99 | 150.99 |
| 03 Feb 2005 | 20 | 150.99 | 150.99 | 0.99 |
| 07 Feb 2005 | 4 | 2 | 2 | 0 |
| 09 Mar 2005 | 0 | 4 | 0 | 0 |
| 11 Apr 2005 | 0 | 0 | 0 | 0 |
| 10 May 2005 | 0 | 1 | 0 | 0 |
| 14 Jun 2005 | 2 | 4 | 2 | 1 |

Highlighted rows indicate event samples

Wooli River Sample Sites

