

22 December 2005

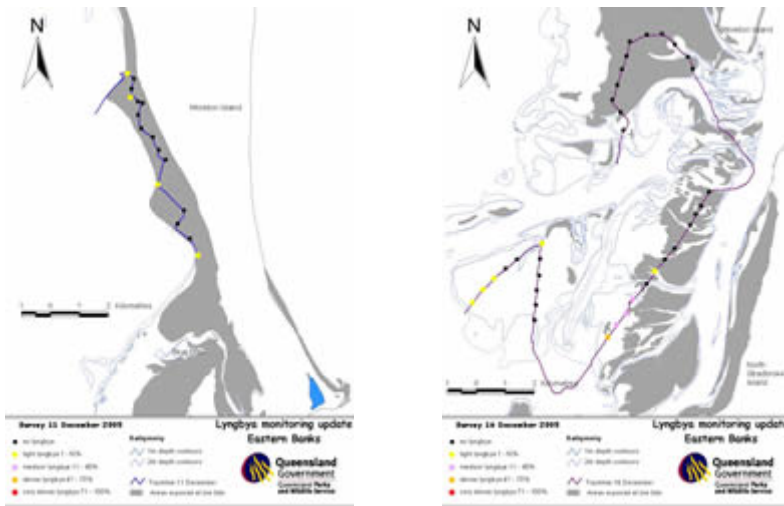
The following report covers inspections of the Cyanobacterium, *Lyngbya majuscula*, in areas of Moreton Bay by officers of the Queensland Parks and Wildlife Service, local Councils and other observers. The inspections are to determine and report any changes in the coverage and density of Lyngbya

Central and Southern Moreton Bay – Surveys 11 and 16 December

Lyngbya growth in central and southern Moreton Bay in the past month has been variable in its presence, location and density. Generally there has been a healthy coverage of Lyngbya on the shallow seagrass covered banks and consistent observations of small, floating clumps of Lyngbya.

The intertidal area from **Shark Spit** to the **Blue Hole** on the south-west side of Moreton Island was surveyed on 11 December and had only a few occurrences of light Lyngbya. Please note the first map below. The **Moreton** and **Amity Banks** were surveyed on 16 December and again most patches of Lyngbya growth were light with a few areas of medium and one dense patch at the southern end of the **Dialba Passage**. Please note the second map.

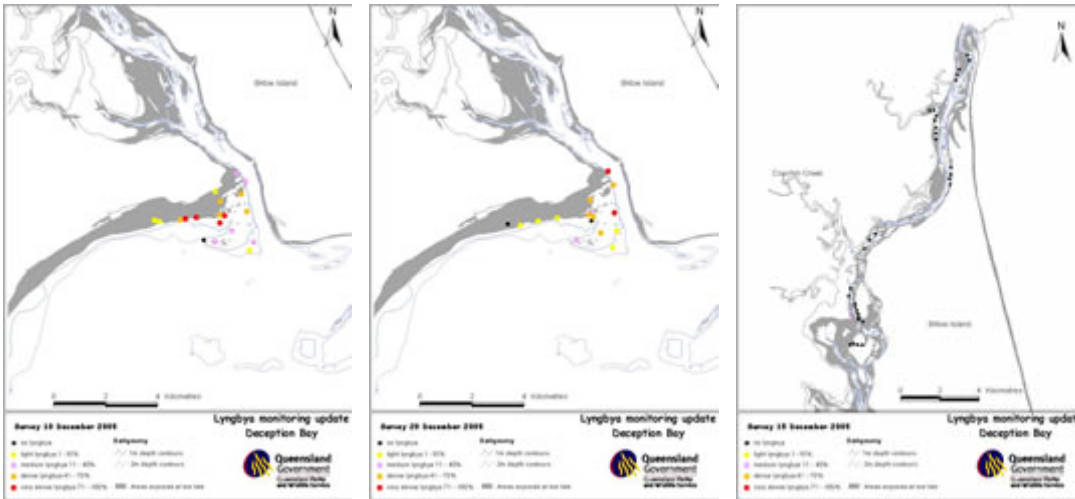
Inspections by the Redlands Shire Council this month have reported no Lyngbya at **Wellington Point** but some deposition on **Thompson's beach** south of **Victoria Point** where they have erected public information signs.



Northern Moreton Bay – Surveys 10, 15 and 20 December

The cover and density of Lyngbya growth in northern Deception Bay has again progressively increased since November. The first two maps below show light to very dense growth from **Sandstone Point** to **Cooks Rock** – surveys by Greg Savige. The third map shows the northern section of the **Pumicestone passage** where medium Lyngbya was observed growing just to the north of **Tripcony Bight** – survey by Caloundra City Council.

Beach inspections by Caboolture Shire Council resulted in removal of some 50 cubic metres of Lyngbya from **Godwin Beach** on 19 December. Ongoing inspections and cleanup continue.



8 December 2005

The following report covers inspections of the Cyanobacterium, *Lyngbya majuscula* in areas of Moreton Bay by officers of the Queensland Parks and Wildlife Service, local Councils and other observers. The inspections occurred during November 2005 to determine any changes in the coverage and density of Lyngbya

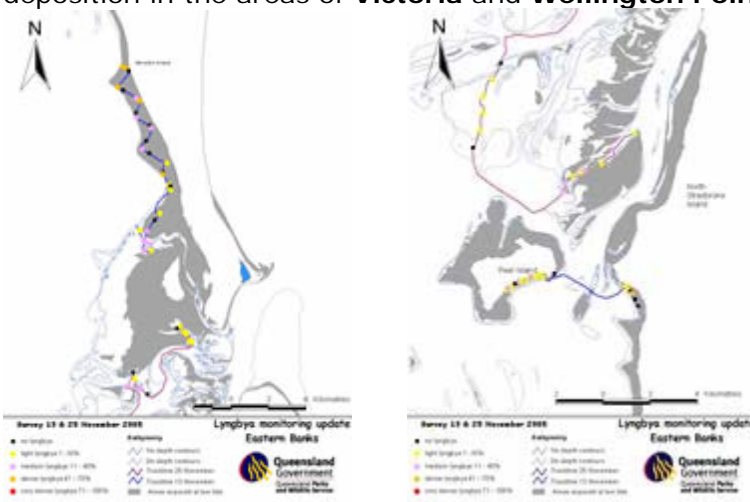
Central and Southern Moreton Bay – Survey 13 and 25 November

The vigorous Lyngbya growth observed last month on the **Eastern Banks** has diminished a little but still remains present across large sections of the banks.

The intertidal area from **Shark Spit** to the **Blue Hole** on the south-west side of Moreton Island had very patchy areas of light to dense Lyngbya growing through the seagrass. On the southern end of the **Moreton Banks** patches of Lyngbya growth were common but mostly light with few areas of medium growth. Please note the first map below.

Again on the **Amity Banks** Lyngbya growth has reduced to mostly light and some medium areas. The survey of **Horseshoe Bay** on Peel Island also revealed consistent patches of light to medium Lyngbya. In **Deanbilla Bay** there were patchy areas of light Lyngbya and one patch of dense Lyngbya. Please note the second map.

Inspections by the Redlands Shire Council this month have reported no Lyngbya growth or deposition in the areas of **Victoria** and **Wellington Point**



Northern Moreton Bay

Greg Savige of Deception Bay completed the Lyngbya surveys for this report. The cover and density of Lyngbya growth in northern Deception Bay has progressively increased since October. The map below shows light to dense growth from **Sandstone Point** to **Cooks Rock** but no Lyngbya recorded off **Godwin Beach**. Please note the map below.

The Caloundra City Council surveyed the Pumicestone Passage from Tripcony Bight north and did not find any Lyngbya growth.



1 November 2005

The following report covers inspections of the Cyanobacterium, *Lyngbya majuscula* in areas of Moreton Bay by officers of the Queensland Parks and Wildlife Service, local Councils and other observers. The inspections occurred during October 2005 to determine any changes in the coverage and density of Lyngbya

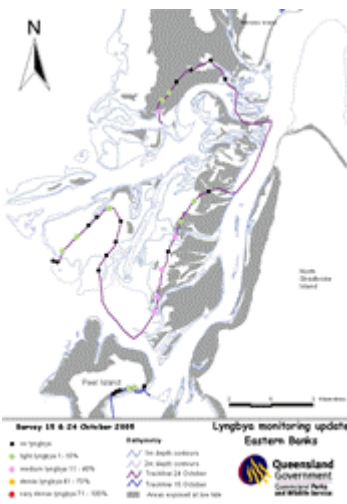
Central and Southern Moreton Bay – Survey 15 and 24 October

There was a clear seasonal commencement of Lyngbya growth observed on the **Eastern Banks** during this month's survey coinciding warmer air and rising sea temperatures. In contrast, the surveys conducted last month revealed the banks clear of Lyngbya.

Patches of light and medium Lyngbya growth were observed emerging through eelgrass *Zostera capricorni* on the southern end of the **Moreton Banks** with similar new growth through seagrass and clear sand across the **Amity banks**. Lyngbya was also observed growing in **One Mile Harbour** and just off **Amity Point** of North Stradbroke Island.

The survey in **Horseshoe Bay** of Peel Island on 15 October revealed a few light patches but has since increased to medium Lyngbya growth with some rafting beginning to occur. Please note the map below.

Inspections by the Redlands Shire Council this month have reported no Lyngbya growth or deposition in the areas of **Victoria** and **Wellington Point**



Northern Moreton Bay

Greg Savige of Deception Bay completed two Lyngbya surveys for this report. The first in late September confirmed no Lyngbya growth but the second survey on 29 October showed the initiation of new light Lyngbya growing from **Sandstone Point** to **Godwin Beach**. Again this rapid growth has coincided with rising sea temperatures. Please note the second map below.

The Caboolture Shire Council has reported small depositions of Lyngbya along the Godwin beach foreshore.



22 September 2005

The following report covers Lyngbya inspections by officers of the Queensland Parks and Wildlife Service, local Councils and other observers in areas of Moreton Bay in September 2005 to determine any changes in the coverage and density of the Cyanobacterium, *Lyngbya majuscula*.

Central and Southern Moreton Bay – Survey 19 September

There was virtually no Lyngbya growth observed on the **Eastern Banks** during this month's survey, which is a further reduction from that observed in late July. September surveys of the Eastern banks in the past few years typically show no Lyngbya growth.

One very small patch of light Lyngbya was found at the western entrance to the **Dialba passage** on the Amity banks. No other Lyngbya was observed on this survey. Please note the following map.

Horseshoe Bay of Peel Island was surveyed in late August — a few very small patches of light Lyngbya were observed surviving amongst the seagrass.

Inspections by the Redlands Shire Council this month have reported no Lyngbya growth or deposition in the areas of **Victoria** and **Wellington Point**

Northern Moreton Bay

A survey last week by Caloundra Shire Council from **Tripcony bight** to the top of **Pumicestone passage** also found no evidence of Lyngbya growth in that area.



4 August 2005

The following report covers Lyngbya inspections by officers of the Queensland Parks and Wildlife Service, local Councils and other observers in areas of Moreton Bay from late July till August 2005 to determine any changes in the coverage and density of the Cyanobacterium, *Lyngbya majuscula*.

Central and Southern Moreton Bay - Surveys 9 June and 28 July

The cover and density of Lyngbya growth on the Eastern Banks has generally diminished from that observed in May. The following two maps show only light Lyngbya growth in a few locations on the Maroom and Amity Banks, no Lyngbya growth on the Moreton Banks and only one small patch of medium Lyngbya growth just south of the Coolooloo Passage in July. Horseshoe Bay of Peel Island was surveyed in June and was clear of Lyngbya growth. The survey period has coincided with uncharacteristic warm and wet conditions.

The Redlands Shire Council have not reported Lyngbya growth or deposition in the areas of Victoria and Wellington Point.



Northern Moreton Bay - Surveys 31 May and 26 July

Surveys of Lyngbya growth in northern Deception Bay in the past two months have failed to locate any Lyngbya in the usual growth areas. Please note the sites surveyed in the following two maps.



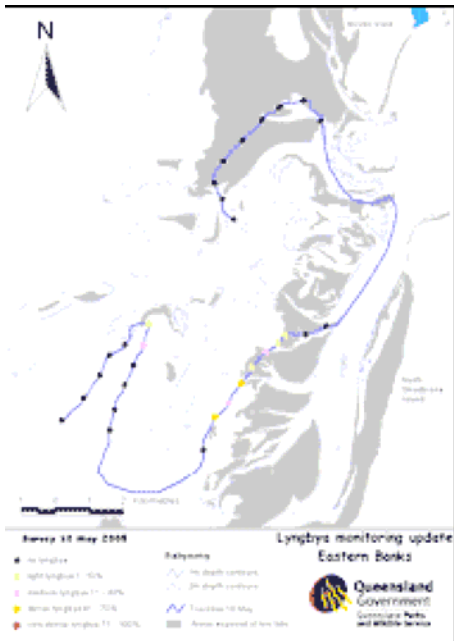
23 May 2005

The following report covers Lyngbya inspections by officers of the Queensland Parks and Wildlife Service, local Councils and other observers in areas of Moreton Bay in then past month to determine any changes in the coverage and density of the Cyanobacterium, *Lyngbya majuscula*.

Central and Southern Moreton Bay

The cover and density of Lyngbya growth on the **Eastern Banks** has generally remained similar to that observed in March. The following map shows the significant patches of light to dense lyngbya persisting on the **Amity Banks** and smaller areas of light to medium growth on the northern section of the **Maroom Banks**. It is interesting to note that the Lyngbya growth is quite new and the water temperature in the areas surveyed averaged around 21? C. The light lyngbya growth observed on the **Moreton Banks** in March was not seen on this occasion. Please note the map below.

The Redlands Shire Council have reported Victoria and Wellington Point currently clear of lyngbya. A report was received of a large patch of dense Lyngbya on seagrass in the southern bay north of Cabbage Tree Point.



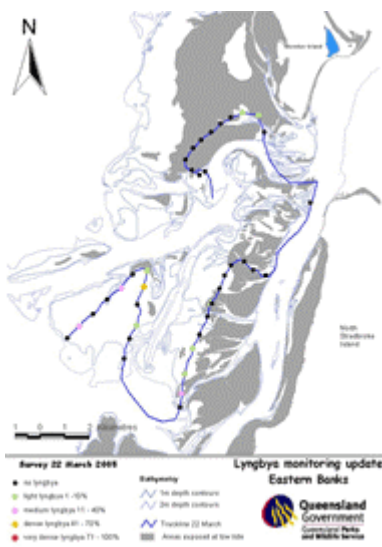
30 March 2005

The following report covers Lyngbya inspections by officers of the Queensland Parks and Wildlife Service, local Councils and other observers in areas of Moreton Bay in the past month to determine any changes in the coverage and density of the Cyanobacterium, *Lyngbya majuscula*.

Central Moreton Bay

There has been a general increase in Lyngbya growth on the Eastern Banks in the past month. The survey results of 22 March 2005 are presented in the following map and show patches of light Lyngbya growth spread across the survey area of the Amity and Moreton Banks. There was one large area of dense new Lyngbya growth on the northern section of the Maroom Bank and several patches of medium density Lyngbya on the Maroom and Amity banks. Please note the map below.

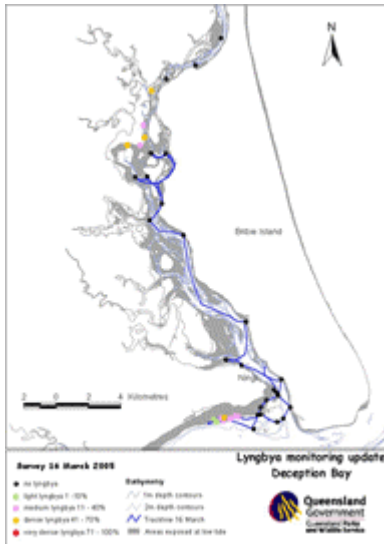
In the early part of the month, the Redlands Shire Council and researchers have reported very small depositions of Lyngbya on the foreshore areas of Victoria and Wellington Point but these areas are currently clear.



Northern Moreton Bay

Surveys of Lyngbya growth were conducted in northern Deception Bay in the past few weeks and have shown a general increase in the density and coverage of Lyngbya since the February report.

The survey results of 16 March in Northern Deception Bay show small floating mats of Lyngbya south of Tripcony Bight and light to dense new Lyngbya growth out from Godwin Beach. The Caloundra City Council inspected the northern section of the Pumicestone Passage on 23 March and found new medium to dense Lyngbya growth from Tripcony Bight to Coochin Creek and small floating mats of Lyngbya in the northern section of the passage. Please note the following map.



22 February 2005

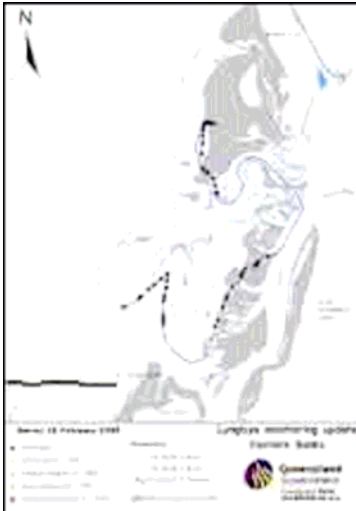
The following report covers Lyngbya inspections by officers of the Queensland Parks and Wildlife Service, local Councils and other observers in areas of Moreton Bay in the past month to determine any changes in the coverage and density of the Cyanobacterium, *Lyngbya majuscula*.

Central Moreton Bay

There have been various reports of Lyngbya growth on the **Eastern Banks** and deposition on the foreshore of central Moreton Bay in the past month. The sightings of floating and deposited Lyngbya include **Fisherman's Island** and along the foreshore of northern **North Stradbroke Island**.

The survey results of **18 February 2005** are presented in the following map and show patches of generally light Lyngbya growth on the **Amity** and **Moreton Banks**. There was one area of dense Lyngbya growth at the southern entrance to the **Dialba Passage**. Please note the map below.

The Redlands Shire Council has reported that the foreshore and intertidal areas of **Victoria** and **Wellington Point** remain free of Lyngbya deposition and growth.



Northern Moreton Bay

Surveys of Lyngbya growth were conducted in northern **Deception Bay** in the past few weeks have shown a general reduction in the density and coverage of Lyngbya compared with the bloom episode of December and January.

The Caloundra City Council inspected the northern section of the **Pumicestone Passage** early in February and found patches of medium Lyngbya growth near Tripcony Bight, Hussy Creek and the northern tip of Bribie Island.

The survey of **18 February** in Northern Deception Bay did not observe new Lyngbya growth in the areas surveyed but did find evidence of decaying Lyngbya and some floating Lyngbya to the south of **Tripcony Bight**. Please note the map below



19 January 2005

The following report covers Lyngbya inspections by officers of the Queensland Parks and Wildlife Service and other observers in areas of Moreton Bay in the past month to determine any changes in the coverage and density of the Cyanobacterium, *Lyngbya majuscula*.

Central Moreton Bay

The Eastern Banks were surveyed for the presence and cover of Lyngbya on 16 January 2005. The extensive cover of Lyngbya noted from the previous survey of 23 December has all but disappeared in the areas surveyed. A very small and light cover patch of Lyngbya was found at south western entrance to the Dialba Passage on the Amity Banks and some floating tufts were found on the Boolong Bank. Please note the map below.

During this period the regular foreshore inspections by the Redlands Shire Council has not encountered Lyngbya deposition or growth in the Victoria and Wellington Point intertidal areas.



Northern Moreton Bay

Surveys of Lyngbya growth were conducted in northern Deception Bay in the past few weeks where Lyngbya has continued to cover large areas of the shallow banks in front of Godwin beach through to Sandstone Point and out to the third starboard marker south of the Bribie Island bridge. The most recent survey conducted 19 January and shown below on the map provided, noted that light to very dense lyngbya was present in this triangular area and was mainly new growth with strands approximately 15cm in length.

The Caboolture Shire Council is undertaking regular inspections of foreshore in this area and has implemented shoreline cleanup and disposal of large amounts of deposited Lyngbya from Beachmere to Sandstone Point and Red Beach on Bribie Island.

