

eReefs Marine Water Quality Dashboard Overview

<http://www.bom.gov.au/marinewaterquality/>

Date
This is where you select the date
Note: Date available is dependent on indicator chosen
i.e. ReefTemp DHD data is processed and available for Summer (December 1st to March 31st)

Indicators
This is where you select the MWQ and SST indicators
Note: Data availability is dependent on indicator chosen

Hint: Hold Shift key and mouse to **select and zoom** into area of interest

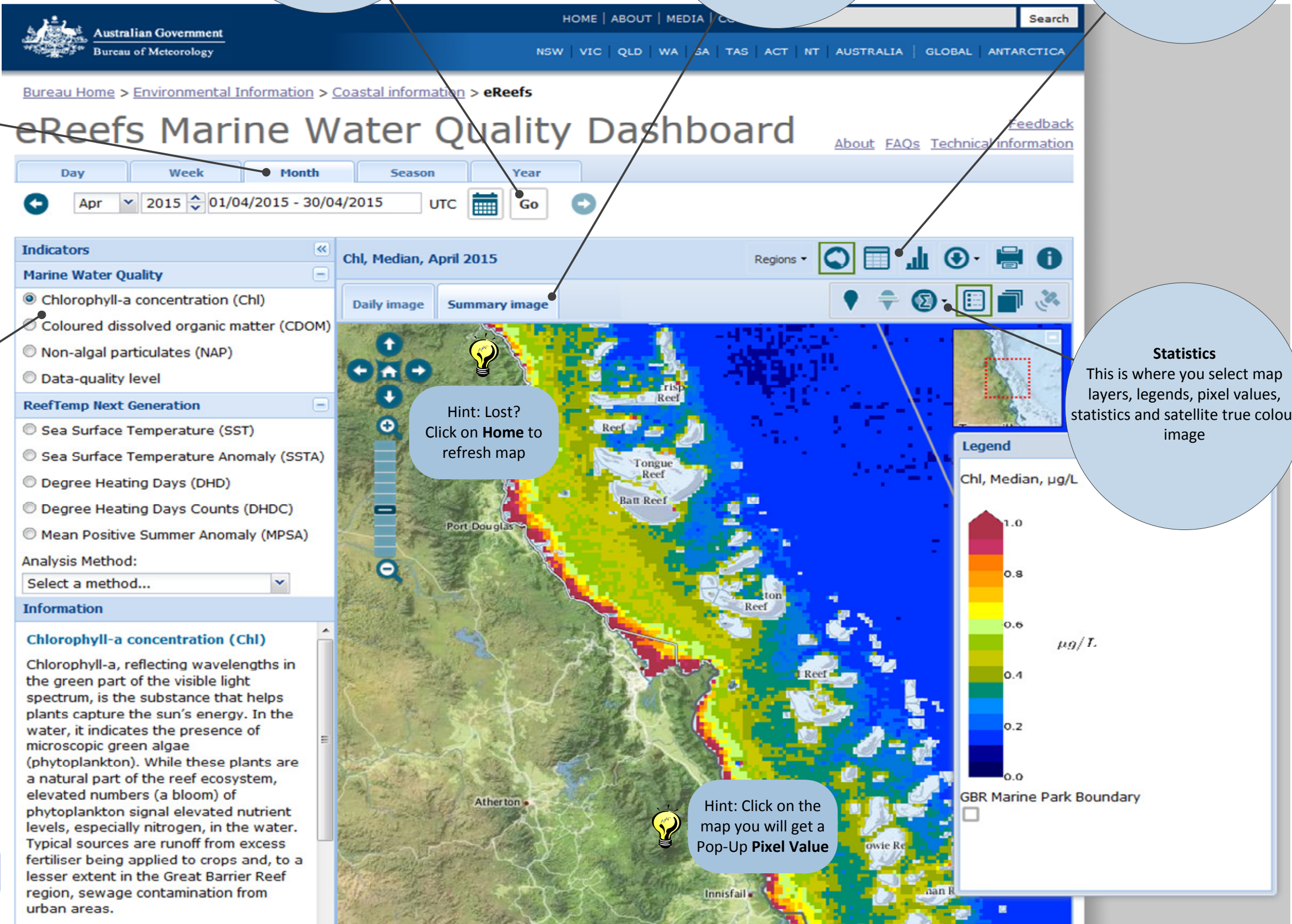
? If you have any questions or comments please contact environment@bom.gov.au

Date
To activate date selection **click the Go** button

Map Image
Summary shows a composite of the date chosen
Daily shows each day in the date period

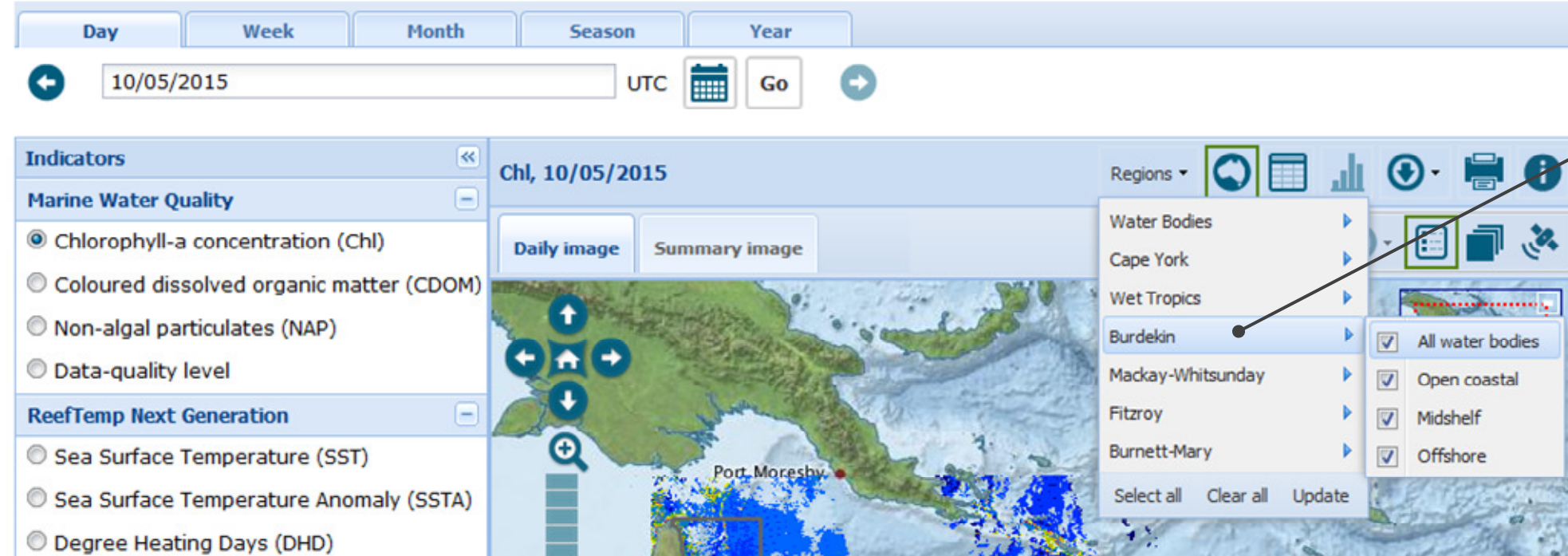
Display Options
This is where you select NRM region, water bodies, table, chart
You can also download data, print and obtain instructions

Statistics
This is where you select map layers, legends, pixel values, statistics and satellite true colour image



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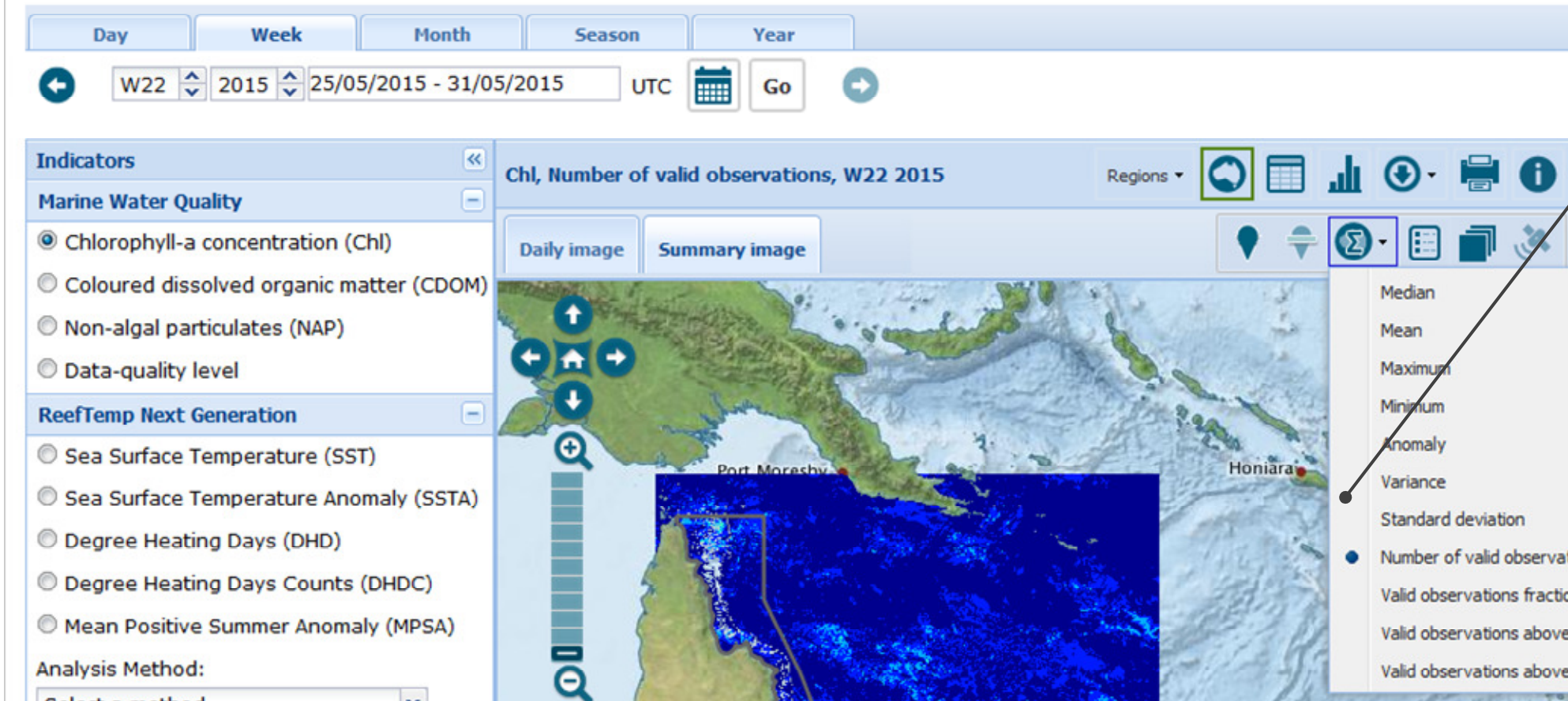


NRM
Region &
Water
Bodies

This is how you
select the **NRM**
Regions and
associated **Water**
Bodies

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Summary Map
Statistics

This is how you
select a **statistic** to
display for the map
summary image

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Day Week Month Season Year

W22 2015 25/05/2015 - 31/05/2015 UTC Go

Indicators

Marine Water Quality

- ☒ Chlorophyll-a concentration (Chl)
- ☐ Coloured dissolved organic matter (CDOM)
- ☐ Non-algal particulates (NAP)
- ☐ Data-quality level

ReefTemp Next Generation

- ☐ Sea Surface Temperature (SST)
- ☐ Sea Surface Temperature Anomaly (SSTA)
- ☐ Degree Heating Days (DHD)
- ☐ Degree Heating Days Counts (DHDC)
- ☐ Mean Positive Summer Anomaly (MPSA)

Analysis Method:
Select a method...

Information

Chlorophyll-a concentration (Chl)

Chlorophyll-a, reflecting wavelengths in the green part of the visible light spectrum, is the substance that helps plants capture the sun's energy. In the

Chl, W22 2015

The data within the port boundaries are included in statistics for the management regions.

| Management Regions | Minimum (µg/L) | Maximum (µg/L) | Median (µg/L) | Mean (µg/L) |
|---------------------|----------------|----------------|---------------|-------------|
| Water Bodies | | | | |
| All water bodies | 0.00 | 11.82 | 0.28 | |
| Open coastal | 0.00 | 11.82 | 0.54 | |
| Midshelf | 0.00 | 6.28 | 0.38 | |
| Offshore | 0.00 | 8.59 | 0.22 | |
| Cape York | | | | |
| All water bodies | 0.00 | 6.62 | 0.21 | |
| Open coastal | 0.04 | 6.62 | 0.65 | |
| Midshelf | 0.03 | 5.53 | 0.45 | |
| Offshore | 0.00 | 6.03 | 0.19 | |
| Wet Tropics | | | | |
| All water bodies | 0.08 | 8.59 | 0.22 | |
| Open coastal | 0.22 | 7.31 | 0.71 | |
| Midshelf | 0.12 | 4.87 | 0.42 | |
| Offshore | 0.08 | 8.59 | 0.18 | |
| Burdekin | | | | |

Regions

Minimum
Maximum
Median
Mean
Anomaly
Variance
Standard deviation
Number of valid observations
Valid observations fraction
Valid pixels above annual threshold fraction
Valid pixels above seasonal threshold fraction
Spatial coverage fraction
Mean above annual threshold
Median above annual threshold
Mean above seasonal threshold

Select all Clear all Restore defaults OK

Table Statistics

This is how you select the **statistics** to display in the table

Hint: Click on **Ok** to change table statistics

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Day Week Month Season Year

W22 2015 25/05/2015 - 31/05/2015 UTC Go

Indicators

Marine Water Quality

- ☒ Chlorophyll-a concentration (Chl)
- ☐ Coloured dissolved organic matter (CDOM)
- ☐ Non-algal particulates (NAP)
- ☐ Data-quality level

Chl, Number of valid observations, W22 2015

Daily image Summary image

Regions

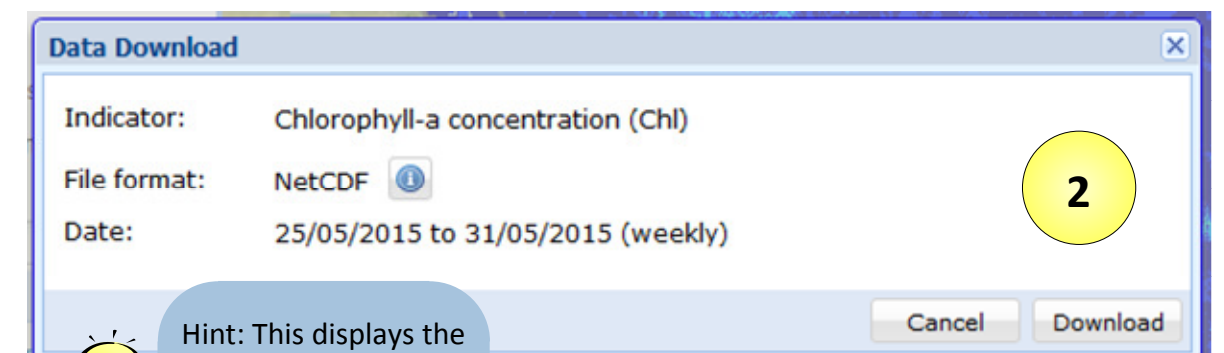
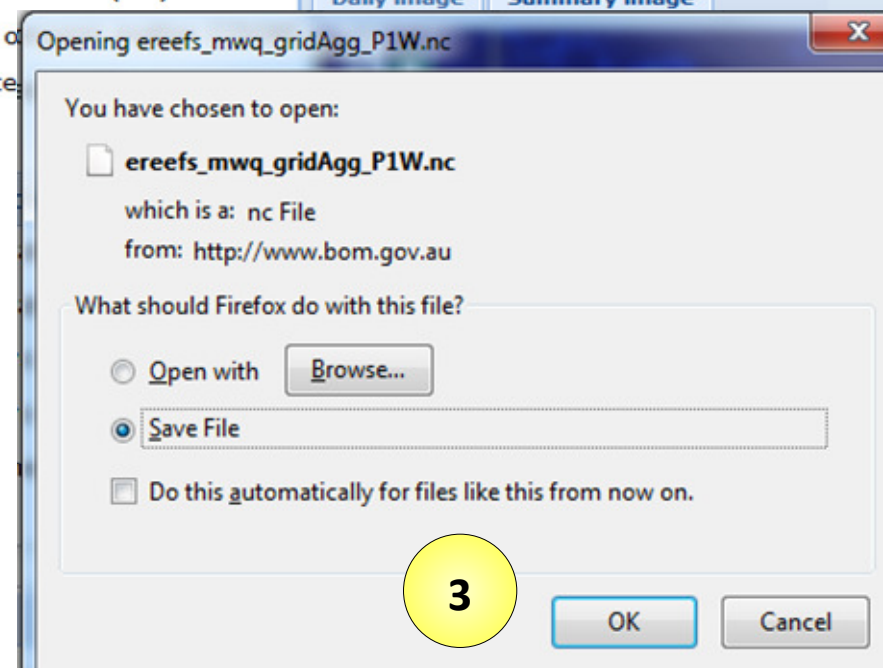
NetCDF
GeoTiff
CSV
KMZ

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This is how you download data

Note: Download is data is dependent on the date! **If you choose Week you are downloading a summary file** & if you view daily image you are downloading a the one day file

Download Data



Hint: This displays the description of the data you are downloading

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Day

Week

Month

Season

Year



W22

2015

25/05/2015 - 31/05/2015

UTC



Go

Indicators

Marine Water Quality

Chl, 25/05/2015

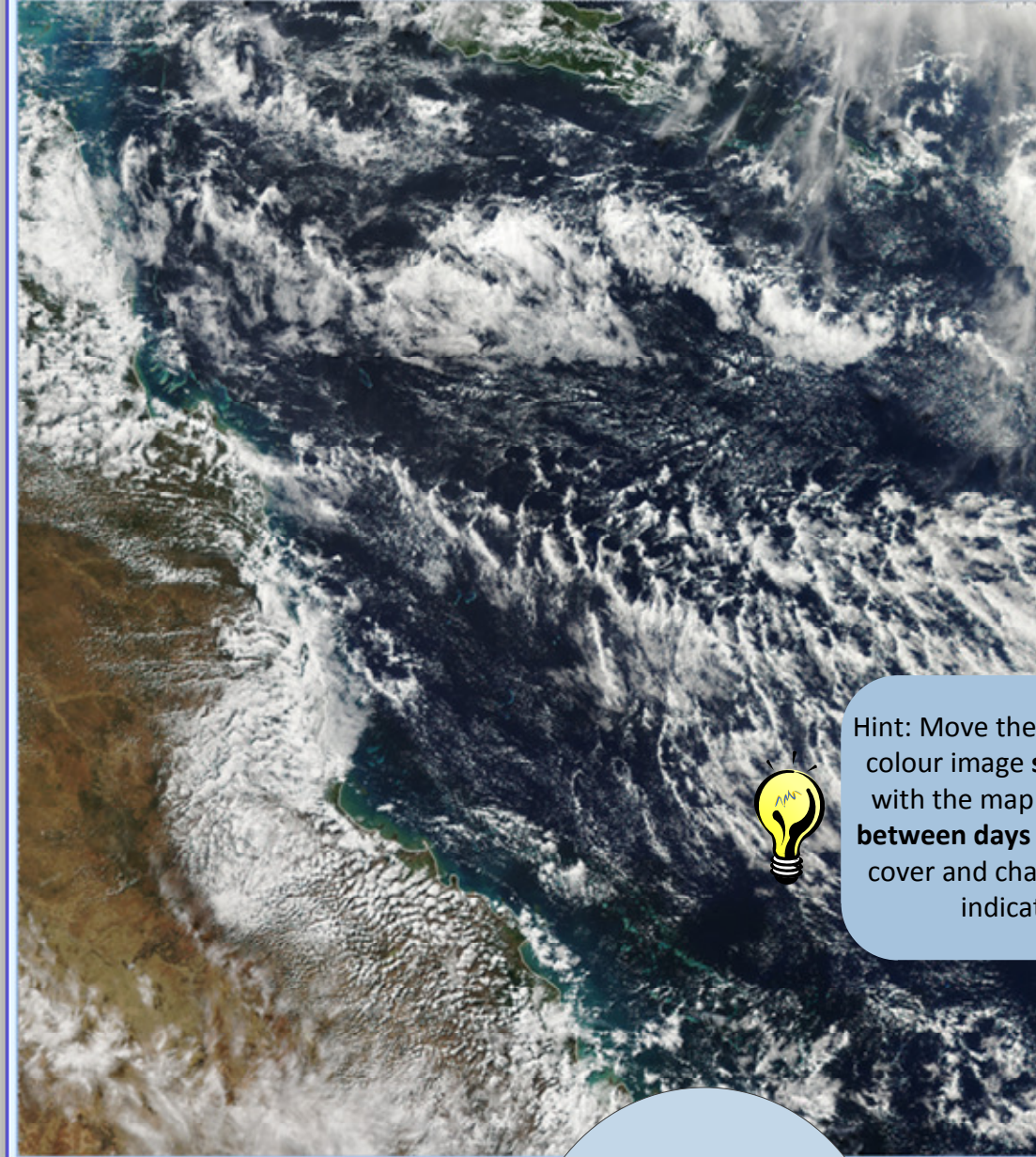
Daily image

Summary image

Satellite Image, 25/05/2015

[-9.505, 142.005]

[-9.505, 155.995]



Hint: Move the pop-up true colour image **side by side** with the map and **toggle between days** to see cloud cover and changes to the indicators

True Colour
Satellite Image

When displaying Daily images for a Week, Month, Season and Year you can click on **Play** for animation of the map data

This is how you select the **true colour** satellite image

You can move the image and place on the screen

The image will change if you move to another day

When displaying Daily images for a Week, Month, Season and Year you can **choose a day** in the time period to display map data

25/05/2015

26/05/2015

27/05/2015

28/05/2015

29/05/2015

30/05/2015

Available days: 7 Play