

MANGROVE WATCH E-NEWS

Publication No. 10 FEBRUARY-MARCH 2013

partnering mangrove scientists with community participants



Dear Mangrove Monitors

It's **Transect Monitoring time again** - time to get out the tapes, quadrants and poles and get into your special patch of Moreton Bay mangroves. Suitable tide times are listed on page 2.

Since the last newsletter there's been some wild weather and flooding. Although the full impacts of this won't be known for some time, an immediate and apparent effect for the residents of Coochie(mudlo) Island was the loss of the "old soldier down on the beach - the lone mangrove that stood out in the sea defying the elements for as long as anyone can remember".

Your monitoring helps to determine change, which is essential for good management of our valuable mangroves. You or someone you know might also be interested in the complimentary means of monitoring mangroves which is done twice yearly, or may have depicted mangroves artistically in some way . . . more about this on page 3.

Thank you for the contribution you make and if I can enhance your experience, please let me know how. I look forward to you booking the kit and wish you happy mangrove-watching.

Debra Henry Project Officer, T2TSEQ OWA



The 'old soldier' described and photographed by Peter Wear betterphoto.com.au



Mangroves in the news

A new video *The Beauty of Mangrove Forests* highlights the ecological importance of these vanishing forests and their calming allure (p 3) and <http://news.mongabay.com/2013/0130-hance-mangroves-video.html#iZ4HjLUesdPYu7rz.99>

Along Pakistan's Indus Delta where mangroves have been cut down largely to be used as firewood, or low-lying mangrove areas have been used for landfill . . . livelihoods of local populations have decreased, poverty has increased and the coastal areas have become exposed to cyclones, tsunami and other natural disasters.

<http://www.trust.org/alertnet/news/mangrove-losses-raising-risks-in-south-asia-experts>

Mangroves shelter and protect marine life, coastal areas . . . and four fishermen!

<http://news.ninemsn.com.au/national/2013/01/21/13/20/lost-fishermen-spent-night-in-mangroves>



CARING
FOR
OUR
COUNTRY



**CHECK OUT the TIDES then
CHECK OUT a KIT by contacting:**

**Debra Henry, Project Officer *Tide to Table* SEQ
OceanWatch Australia
T: 07 3286 6194 | M: 0488 087 772
debra@oceanwatch.org.au**

EXCELENT	Very low low	-0.40m
GOOD	Low low	0.40-0.55M
NOT BAD	Med low	0.56-0.65M
OKAY	High low	0.66-0.75
NOT RECOMMENDED	High low	0.76 +

	DAY	TIME	HEIGHT IN METRES
FEBRUARY	Wed 13 th	0526	.38
		1802	.39
	Thu 14 th	0604	.50
		1633	.44
	Fri 15 th	0643	.64
	Sat 16 th	0725	0.78
	Sun 17 th	0815	0.90
	Mon 18 th	0926	0.99
	Tues 19 th	1057	0.99
	Wed 20 th	1215	0.90
	Thur 21 st	1311	0.80
	Fri 22 nd	1356	0.70
	Sat 23 rd	1436	0.61
	Sun 24 th	1513	0.53
	Mon 25 th	1549	0.47
	Tue 26 th	1623	0.41
	Wed 27 th	0425	0.35
		1657	0.38
	Thu 28 th	0505	0.38
		1729	0.37

MONTH	DAY	TIME	HEIGHT IN METRES
March	Fri 1 st	0546	.45
		1803	.39
	Sat 2 nd	0624	.55
		1839	.43
	Sun 3 rd	0719	.66
	Mon 4 th	0822	.76
	Tue 5 th	0945	.87
	Wed 6 th	1114	.77
	Thu 7 th	1231	.65
	Fri 8 th	1333	.53
	Sat 9 th	1424	.43
	Sun 10 th	1508	.37
	Mon 11 th	1547	.35
	Tue 12 th	1621	.34
	Wed 13 th	1652	.36
	Thu 14 th	0501	.45
		1720	.39
	Fri 15 th	0543	.54
	Sat 16 th	0618	.65
	Sun 17 th	0656	.76
	Mon 18 th	0740	.86
	Tue 19 th	0839	.94
	Wed 20 th	1002	.86
	Thu 21 st	1124	.9
	Fri 22 nd	1225	.79
	Sat 23 rd	1313	.68
	Sun 24 th	1356	.57
	Mon 25 th	1435	.48
	Tue 26 th	1513	.4
	Wed 27 th	1630	.34
	Thu 28 th	1625	.31
	Fri 29 th	1701	.31
	Sat 30 th	0540	.44
		1736	.35
	Sun 31 st	0620	.4

QUICK LINKS

<http://www.mangroveswatch.org.au/>
<http://seagrassmb.wordpress.com/>
<http://www.bom.gov.au/oceanography/tides/MAPS/qld.shtml>

The *TrinWiki* mangrove ID page developed by CSIRO and Norm Duke:

<http://wiki.trin.org.au/Mangroves/WebHome>

An interactive online key to mangroves:

<http://wiki.trin.org.au/Mangroves/KeyToMangrovePlantSpeciesOfAustralia>

CHECK OUT THE WEATHER

before leaving

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

The waters and mudflats of our bay, estuaries and creeks are beautiful, diverse places.

But some marine species can cause harm to humans so anybody venturing into these territories should be aware and be prepared.



Happy Easter

EMERGENCIES

Medical Emergency **000 SES 132 500**
 Marine Animal Strandings **1300 ANIMAL OR 130 264 625**
 Pelican and Seabird Rescue Hotline **0404 118 301**



HAPPENING NOW AND COMING SOON

[Featured video: the miracle of mangroves](#) [Jeremy Hance](#)

January 30, 2013

Read more at

<http://news.mongabay.com/2013/0130-hance->



[The Beauty of Mangrove Forests](#) from [Dennis Zaidi](#) on [Vimeo](#).

During the past year *MangroveWatch*, a method of monitoring mangroves using video and GPS technologies, has been taking place in Moreton Bay. This methodology does not replace the 'transect and quadrant' monitoring, but crews in boats can collate data that teams on the ground can't, and vice versa.

A *MangroveWatch* crew consists of four, onboard a vessel travelling at 5 knots, ideally 50m from shoreline, using video-cams, GPS and cameras to film and document mangroves in various locations around Moreton Bay. The data is then shared with world renowned Marine Scientists and Directors of the *Mangrove Hub*, Dr Norm Duke and Jock Mackenzie who devised the methodology, provide the training and analyse the data collected.

***MangroveWatch (MW) Training Session* consisting of:**

Friday 1st March (Evening Session): Introduction to *MW*
Saturday 2nd March (Morning Session): Theory workshop
Saturday 2nd March (Afternoon Session): Hands on, onboard N.B.: Bookings for Saturday essential

Presented at: the *Queensland Parks and Wildlife Service* Moreton Bay Office, Trafalgar Street, Manly Harbour

Cost: Free of charge to participants

Sponsored by: *Wildlife Preservation Society Qld Bayside Branch, SEQ Catchments, OceanWatch Australia* and with funding from the Federal Government's *Caring for our Country*.

D'Art'A – a blend of Art and Academia

James Cook University scientists will present an analysis of the data collected in and around Moreton Bay over the past twelve months, and the work of Moreton Bay's citizen scientists will be acknowledged, set amid a mangrove-themed Art Exhibition. Entries are welcome.

Date: Saturday 27th April (Times yet to be determined)

Venue: *Artist Tree* 14/99 Bloomfield Street Cleveland

For more details: debra@oceanwatch.org.au
07 3286 6194 0488 087 772

Mangroves are among the most important ecosystems in the world:

they provide nurseries for fish, protect coastlines against dangerous tropical storms, mitigate marine erosion, store massive amounts of carbon, and harbor species found no-where else. However, they are vanishing at astonishing rates: experts say around 35 percent of the world's mangroves were lost in just twenty years (1990 to 2010)

A new video *The Beauty of Mangrove Forests* highlights both the ecological importance of these vanishing forests and also their calming allure. The video was shot on Bimini Island in the Bahamas in a mangrove forest that is currently threatened.

<http://news.mongabay.com/2013/0130-hance-mangroves-video.html#8y1T3tgXBQsJM5AO.99>