

Science Exposes Delusions: Great Barrier Reef, Kakadu and the Human-caused climate change and carbon "pollution" myths:

© Dr G LeBlanc Smith, PhD, AIG, AAPG

16th August 2008

As a retired CSIRO Principal Research Scientist (geosciences - sedimentology), I make this observation and comment on Minister Wong's statement, (and Professor Garnaut's commentary):

"Climate change threatens ... icons like the Great Barrier Reef, the Kakadu wetlands and the multi billion dollar tourism industries they support."

Knowing and understanding the past is a vital key to the future, and earth scientists can present much of this information in a context that can assist in exposing the truth and misrepresentations of the current "Climate Change" debate.

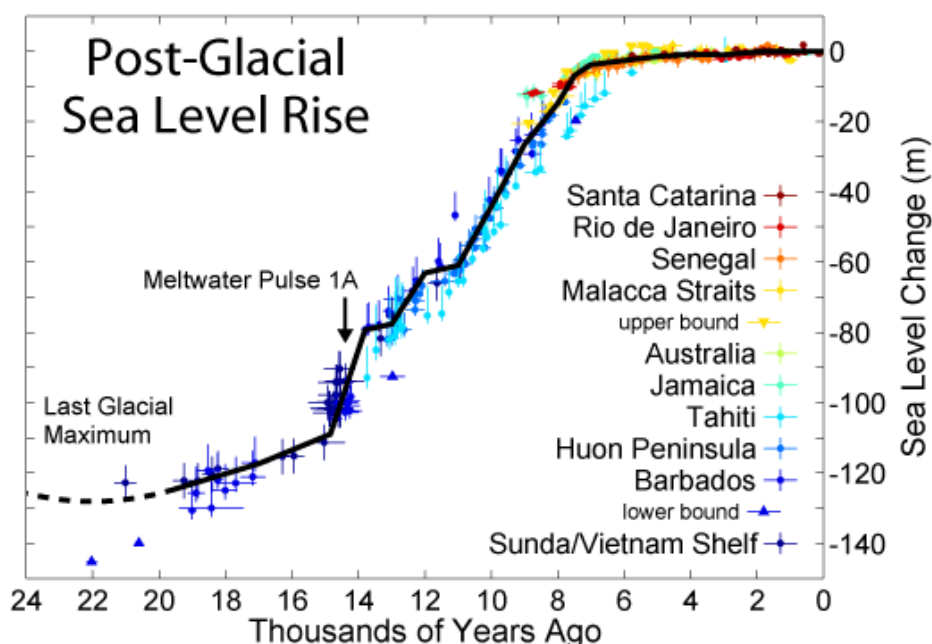
It is fact that the vast bulk of the Great Barrier Reef *area* was exposed land and above sea level, prior to 10,000 years ago, when sea levels were over 70m lower than present (see graphs below with evidence). There was no great coral reef there until recently, and Kakadu was probably not a swampy wetland then either.

I suggest that statements from Ms Wong and Professor Garnaut should be challenged for veracity by all responsible Government advisors and the CSIRO at the very least, and by any observant scientist to test their logic against evidence.

The evidence can be seen from the history of sea level variations mapped as a time-curve derived from joining dots of observed and dated sea levels that track the natural melt-out of the last glaciation ice sheets. Sea level has risen about 130m in the 10,000 years between 17,000 and 7,000 years ago; with a maximum observed level ~8m above present sea level in marine deposits dated ~ 6000 years old in perched Antarctic lakes. It has subsequently fallen in steps as the planet has cooled to our present level. This is in the published science literature and much can be readily "Googled".

A useful summary sea level vs time graphic can be seen in [Robert A. Rohde's](#) artwork (see below) at the following internet address:

http://en.wikipedia.org/wiki/Image:Post-Glacial_Sea_Level.png#file

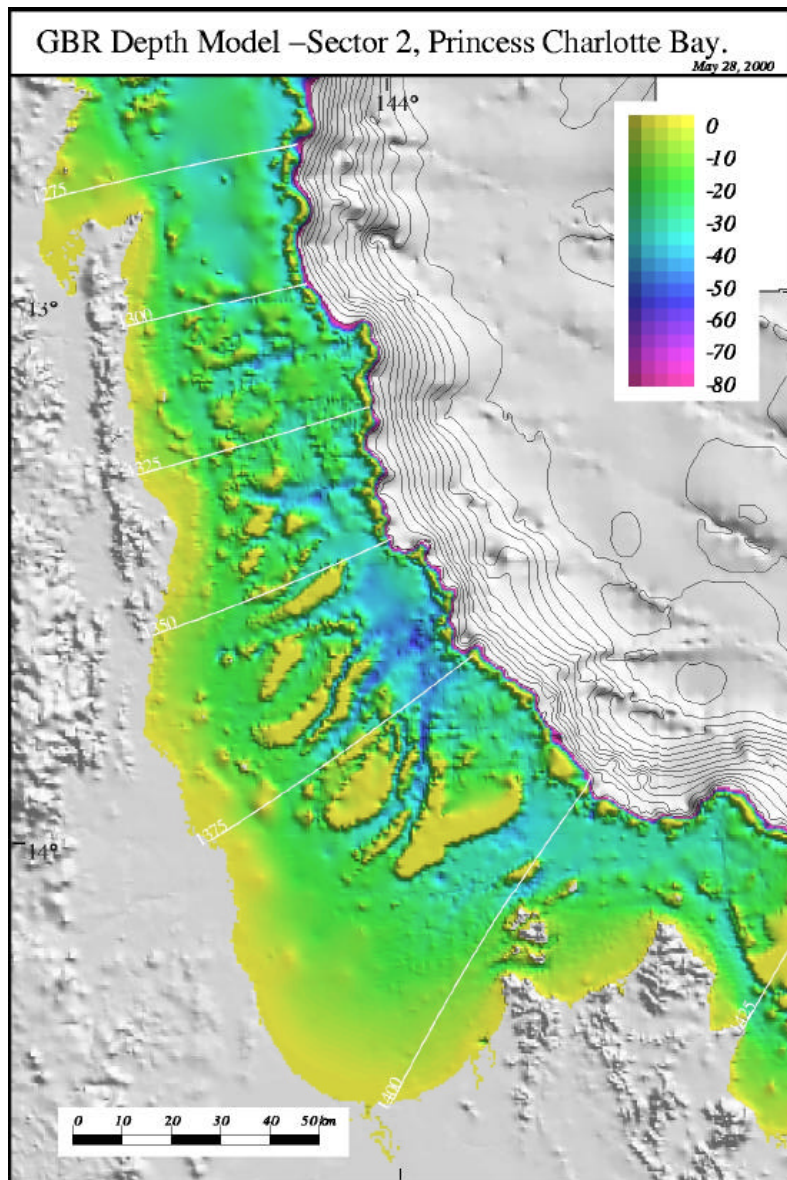


This is largely based on the established 1998 science paper by Fleming (and others) that closely mapped sea level vs time from many sites across the planet. This paper is viewable at the following URL:

<http://www.csse.uwa.edu.au/~paulj/publications/EPSSL1998.pdf>

The detailed bathymetry levels for the GBR areas can be seen in the many depth maps crafted by Adam Lewis (see below) and in the science paper at:

<http://www.reef.crc.org.au/publications/techreport/pdf/33 - Adam Lewis.zip>



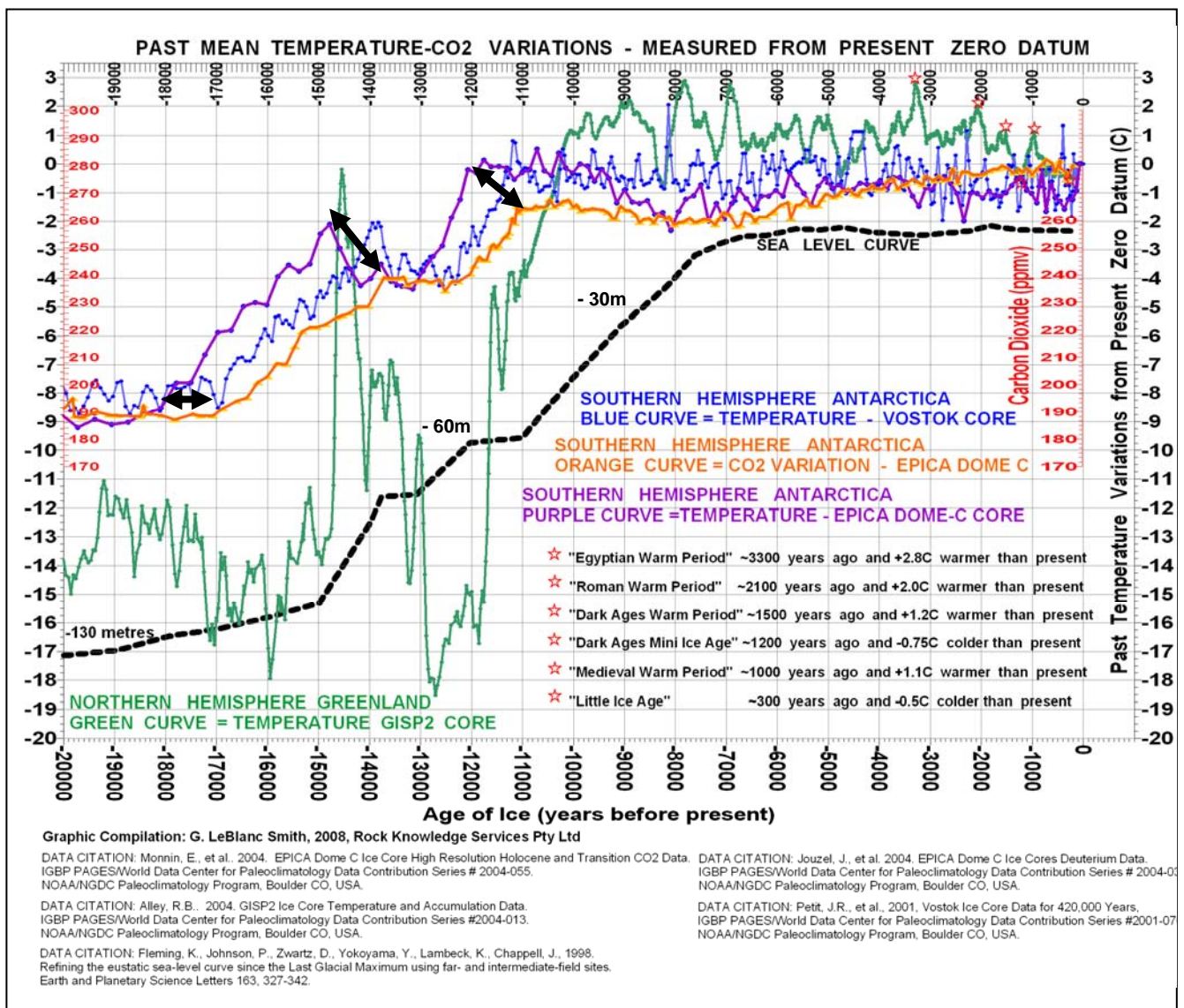
By contrasting the sea levels over time with the land surface elevations it is an obvious inference that the bulk of the GBR AREA would not have supported coral growth as it was above sea level until recently, and has drowned. Any talk of presently located GBR as hundred of millions of years old is incorrect and not based on available science.

The Wong statement should probably more correctly reflect that recent natural climate change did indeed threaten that environment; it drowned the GBR AREA, which was "polluted" by sea water and accompanied by local outbreaks of coral growth, that are now seen as beneficial to our country. On the positive side: a continual current of coral spawn flows down our coasts and will repopulate any suitable growth substrate within a year. This is self evident to any diver who has looked at the thumb-nail sized corals growing on sea grass stems. This holds true also for with the Leeuwin Current on the west coast of Australia.

The massive sea level rise at the termination of the last glaciation would likely also have affected the Kakadu environment, and it may well not have been swamp then, either. Consider the significant difference between ancient Bradshaw rock paintings, dated at around 17,000 years old, and the recent rock art, and the apparent lack of fish and crocodiles in the old artworks. Worth a further thought I would think, to get the true history for these areas in context, so that objective discussion and decisions based of real science can be derived.

More solid facts from the past: It is established fact that the ice core data from both Greenland and Antarctica show information that carbon dioxide variation lags behind temperature variation, throughout the nearly half a million year record contained in the ice cores. I have graphed the last deglaciation to present time (below), from publically available data of high veracity, which is acknowledged in the graphic. Note the ~1000 year lag of CO2 variation changes behind temperature changes, which are highlighted by the black arrows targeting significant change points on the orange (CO2) and purple (Temp) curves of the EDC ice core. This lagging fact refutes the flawed contention that carbon dioxide is the driver of temperature change. The oceans de-gas and re-gas with CO2 as the global temperatures respectively warm and cool.

The inter-hemisphere variations are striking. The northern hemisphere (green curve) shows massive temperature spikes that range over 22C degrees, which we have not experienced in the southern hemisphere records (purple and blue curves) that reflect moderation with variations under 10C degrees across the deglaciation event. This argues well for Australia, which would appear to be largely exempt from these erratic fluctuations and the extremes of variation as seen in the Greenland records. This should be factored into our planning.



There is no atmospheric hot-spot from "greenhouse CO2" despite over 20 years of serious looking for it (read Dr Evans media statements and fact-booklet at <http://www.sciencespeak.com/> and Dr Spencer's recent media and US Senate testimony statements). Occam's razor would point to the sun as the driver of climate change of significance. Human generated carbon dioxide is arguably around 3% of the total carbon dioxide budget, and in the light of the above, we are effectively irrelevant to the natural climate change continuum.

Natural climate change has and will continue to pose challenges and threats to human kind. Some of these we can manage for, others we will have to adapt to.

My current view is that the suggestion that human-caused carbon dioxide is driving these (natural) changes is built on bad science at best, and any carbon tax will be a fraud at worst.

Much of this above information was submitted into the Garnaut Review, and presented to the Parliamentary Ministers and parties (by me), yet has apparently been ignored.

I contend that those professional scientists and advisors that are knowingly complicit in climate science fraud and all that is derived from it, will continue to be exposed by the science itself.

I wonder if class action legal challenges will flow from any implementation of carbon tax in the future - once the foundations on which it is being built are exposed for what they are? I am surprised that the ACCC has not pulled the current "carbon pollution" advert off TV for lack of truth, and probable deceptions.

I remain open to be persuaded by evidence. In summary, I have yet to see credible proof of carbon dioxide driving climate change, yet alone man-made CO₂ driving it. The atmospheric hot-spot is missing and the ice core data refute this.

When will we collectively awake from this deceptive delusion?

To end on a positive note - Try this for a solution to a non-problem: It is also possible to re-cycle carbon dioxide into food (protein) and fuel (microbial oil) on a sustainable basis. A method I have suggested when representing CSIRO at the 2003 Queensland Science in Parliament Day forum, is to pipe concentrated carbon dioxide generated from oxygen-fired base-load coal fired power stations into farms of solar-bio converters seeded with nutrients, algae, bacteria and yeasts. The pointers to this technology have been around since the 1980s (University Toronto). Our politicians and CSIRO are aware of this. Using this approach it could be possible to engineer and sustainably generate sufficient microbial oil to supply much of Australian needs. If laboratory production rates (as recollected) are achieved it may be possible to do this with as under 5000 hectares of solar-bio-digesters – to generate 80Mbbl oil per year. Why do our collective government parties continue to ignore this? This sustained inaction has provided us with the opportunity to buy this technology back from overseas – see [Sapphire Energy - The Product](http://www.sapphireenergy.com/product) at <http://www.sapphireenergy.com/product> .

Key questions remain - What is the real agenda behind this pending carbon tax and is it a fraud?

There are a lot of positives - none of which require a carbon tax.

Dr G LeBlanc Smith, PhD, AIG, AAPG

16th August 2008