



Submissions cover sheet (for postal submissions)Please download, print and complete this form, and enclose it with any *postal* submission you make to the 2009 Victorian Bushfires Royal Commission. (NB. Electronic submissions can be lodged directly at www.royalcommission.vic.gov.au and do not require this coversheet.)
Post your submission to:
Submissions, 2009 Victorian Bushfires Royal Commission,
GPO Box 4358, Melbourne 3001

General submissions close at 4.00pm, Monday 18 May 2009.

YOUR	DETAILS		
Your title (eg. Mr, Ms, Mrs, Dr etc)		Mr.	
Your full name		Milan Mitic	
Organisation represented by your submission (if applicable)		,	
Email address			
Postal address		Wooloowin 4030	
Telephone			
Main topics addressed by your submission (please tick):			
回	Causes and circumstances of the bushfires		
回	Policy, preparation and planning of governments, emergency services		
	Preparation and planning by communities and households		
回	Response to the bushfires		
回	Essential services, including water and power		
回	Other Climate	Geo Engineering	
Please list any towns or communities that are discussed in detail in your submission:			
Climate regards All towns & Land more rain + cooler Climate			
more rain + cooler Climate			
Please provide a general description of what materials you are providing as part of your			
submission (eg. Letter; documents; DVD, photos etc NB. No originals please)			
1. 10 Cad drawings + title 2. Version 3			
3. ************************************			
Please tick here if you request your submission to be treated as confidential:			
 I acknowledge that: My submission will be treated as a public document and may be published, quoted or summarised by the 2009 Victorian Bushfires Royal Commission. The Royal Commission will consider any requests for confidentiality. I will be contacted if any request I make is not granted and have the option to withdraw my submission. I can be contacted by the Royal Commission in relation to my submission. Signature			

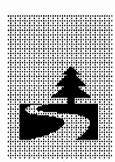
CLIMATE GEO ENGINEERING

CLIMATE MELIORATION
FOR AUSTRALIA
M I T I C

construction of Environment similar to Amazonia on NW Australia with

HUGE TIDES
HUGE EROSION
HUGE EVAPORATION
HUGE DESERTS
HUGE DESALINATION

To produce more rain across Australia.



more rain, cooler climate, less cyclones, less floods, less bush fires

ACROSS AUSTRALIA

Milan Mitic



8 May 2007

CLIMATE GEO ENGINEERING, FOR AUSTRALIAN CLIMATE MELIORATION. USING HUGE TIDES ON NORTH WEST AUSTRALIA FOR CONSTRUCTION AND FUNCTION OF TIDAL RIVER SYSTEMS.

MAJOR ADVANTAGES:

- 1. Low construction and maintenance costs.
- Tidal environment = huge carbon sink and more oxygen.
- Better tidal environment than desert.
- 4. More rain downstream across Australia.
- 5. More clouds = cooler climate across Australia.
- 6. Desalination of country.
- 7. Transport using tidal channel.
- 8. Huge hydropower stations could be constructed in future along proposed tidal channel and elsewhere because of more rain.

 Perhaps producing hydrogen for use in cars instead of petrol = less polution in our towns and reduction in global warming.
- 9. Tourism.
- 10. Life in tidal environment.
- 11. More food from existing and new field.
- 13. There are many many benefits to many too mention.
- 14. Low construction costs large part of tidal channel made with the use of huge tides erosion. It is no good to have heavy conventional construction machinery in channel because of compaction effect and also costs.

Water is very good compactor but once ground is loosened up water will cary material away. erosion starts that way because material after first layer is removed is usually less compacted.

15. Best specially designed barges towing behind device to loosen ground to increase erosion specially at outgoing tide.
Such barge could travel long distances with tide flow in each direction using tidal power only.

Blasting and huge tides can also remove a lot of material - start and increase erosion.

Tidal environment similar to Amazon environment = plants and trees that can tolerate sea water salinity. Tidal rivers, marshes, lakes and rainforest around.

More rain across Australia and many many other additional benefits should be considered in regard to proposed tidal channel and tidal environment.

Wind turbines, solar panels, desalination plants can not compete with nature. -12m tides energy and 4m of evaporation per year.
Once tidal channel is done nature will take its course.
With human help establishement of tidal
environment can be accelerated and with it green country, pastures and fields elsewhere.

8 Aug 2007 (C) Milan Mitic copyright.

CONSTRUCTION OF TIDAL ENVIRONMENT WITH HELP OF HUGE TIDES ON NORTH WEST AUSTRALIA TO PRODUCE RAIN DOWNSTREAM ACROSS AUSTRALIA.

On north west Australia we have:

The largest sea shelf. The hottest sea pool of water. The hottest land area. Third highest tides on earth. 4000 mm of evaporation per year if there is water. Huge desert areas the size of many countries.

Huge desert areas produce wery little evaporation. since no water to evaporate.

Proposal is to change desert area to tidal environment_area similar to Amazon country. Amazonia has tidal river system Sea water tolerating plants + rain forest on higher ground with huge evaporation + transpiration

All rain on land comes from initial sea water evaporation + initial tidal environment evapotranspiration. Because evapotranspiration from fallen rain, same initial water can rain few times on continent, before it rains back to sea.

Prevailing winds blow from west to east and south across Australia and evaporation from our tidal environment area will move a long way across Australia and more chance for rain:

- Long distance from north west to east or south.
- Additional evaporation works similar to cloud seeding.
- 18. Additional moisture from tidal evaporation will produce more clouds.
 - = more shade to earth
 = less evaporation.

 - = more water in the soil
 - = more water in dams rivers and lakes.
 - = more rain.
 - = fallen rain will produce additional evaporation and rain.
- Tidal environment area = life where is water there is life. 19. Better to have tidal environment than desert.
- 20. Proposal is to construct erosion trigger channel on north west Australia and help nature to establish tidal environment. Long ago there were huge rivers and lakes on north west Australia and at that time Australia had plenty of rain big rivers

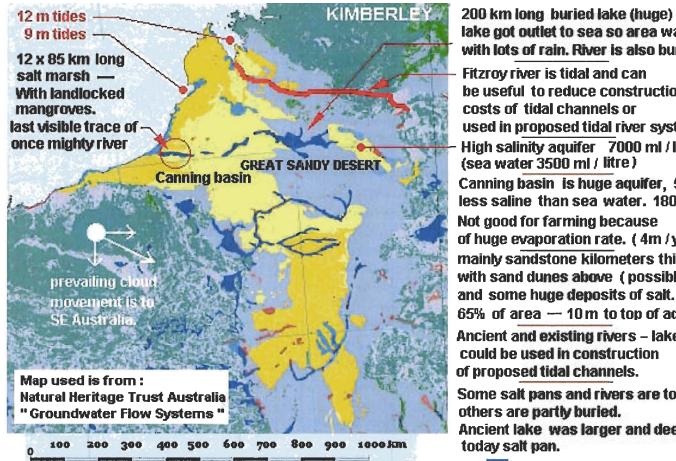
and lakes.

- 21. Huge 12m tides have huge erosion potential and will be big help for construction of tidal channel.
- 22. Huge 12m tide, water will reach far inland and produce high evaporation and rain few times from initial tidal environment evaporation.
- 23. Huge tides are necessary for good working of tidal environment.
 Tides will bring into land nourishment for plants, sea water for tidal plants (mangroves etc.) and oxygen for life.
- 24. Tides will gradualy desalinate our hyper saline salt lakes and country (desert) and bring life into lakes and country and more rain across country.
 - There may be many alternating layers-seams deposits of salt silt- clay in salt lakes.
- 25. Removal of obstructions, making river deeper, wider and longer will increase river speed.
- 26. Deposit at mouth of a river (river delta) may be formed at beginnig of works. Delta reduces speed of entire river but once tidal river gets bigger speed will increase and delta removed.
- 27. Existing or restored ancient rivers could help establish, tidal erosion trigger channel and tidal environment and reduce costs of construction.
- 28. Deserts are full of sand and salt.
 Sand deposits can be huge. (eg. Stradbroke island)
 "Ergs" = vast regions covered deeply with sand.
 Salt or sand is easy to remove with erosion.

In short it is hard to evaluate potential what tidal erosion trigger channel and an established tidal area environment on north west of Australia will do and its benefits for Australia and construction costs.

I like that many scientist and enginneers and construction companies get envolved with their ideas and knowledge to improve proposal what would benefit to better understanding of proposal.

Milan Mitic (C) 3 July 2007 Copyright.



200 km long buried lake (huge) lake got outlet to sea so area was green with lots of rain. River is also buried.

Fitzroy river is tidal and can be useful to reduce construction costs of tidal channels or used in proposed tidal river system. High salinity aguifer 7000 ml / litre (sea water 3500 ml / litre) Canning basin is huge aquifer, 519 873 km2 less saline than sea water, 1800 ml/litre Not good for farming because of huge evaporation rate. (4m/year) mainly sandstone kilometers thick with sand dunes above (possible ergs).

65% of area - 10 m to top of aquifer Ancient and existing rivers - lakes

could be used in construction of proposed tidal channels.

Some salt pans and rivers are totaly buried others are partly buried.

Ancient lake was larger and deeper than today salt pan.

Indicates ancient river or lake System of ancient rivers, lakes was working 120 000 years ago Because of low ground and extremely high (12m tides) system of rivers was tidal - (sea water + rain) Because of extremely high temperature tidal area produced enormous evaporation 4m per year Area was probably lush green - similar to Kimberley that is tidal.

With landlocked

Than sea level dropped and tidal action stopped .. ancient rivers and lakes and tidal environment dried out no more enormous 4m evaporation ... and many places in Australia changed to deserts ... Once tidal environment works:

Because of larger cloud cover continent will be cooler and winds will blow more from sea to Australia than now. Larger cloud cover = less evapo.

ANCIENT SEA LEVEL:

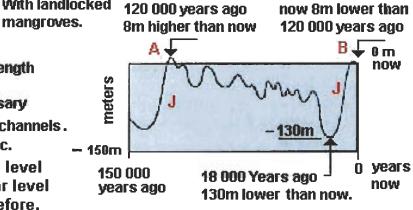
120 000 years ago was 8 m higher than now. 18 000 years ago was 130 m lower than now now is 8m lower than was 120 000 years ago

In Kimberley rivers are enormous boulders 5m length that are rounded and were carried by water that water must have power. - erosion is necessary

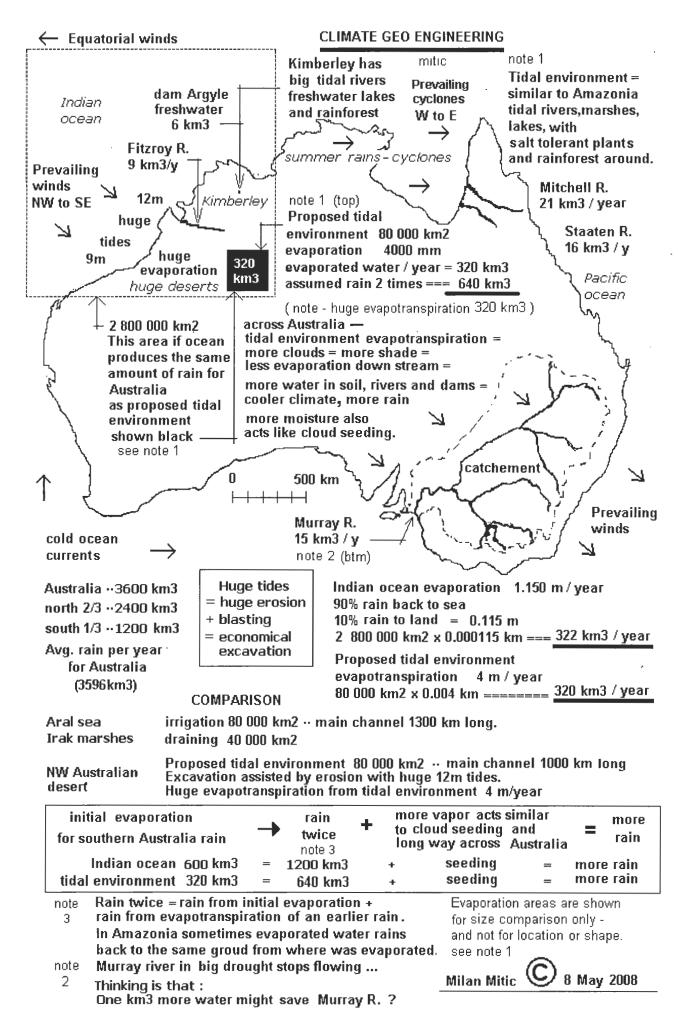
for economic construction and function of tidal channels. to construct tidal environment with tidal trees etc.

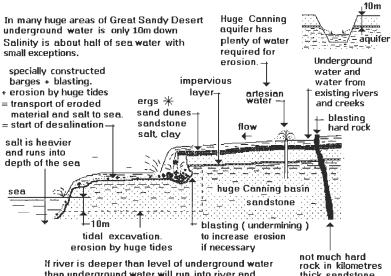


J curve repeats. Sea level in the past was similar level as at A many times before. one can expect B to be similar



SEA LEVEL VARIATIONS IN 150 000 YEARS





than underground water will run into river and river will have running water also in drought or low tide.

thick sandstone deposit. -G.S. Desert area was in ancient times sea.

Deep river will desalinates the country River - erosion will undercut banks (+ blasting) and rain, floods, will transport sand and salt into river and river further to sea. No more "white death" - salt

At present eroded material and salt is accumulating in salt marshes, salt lakes, and underground water = salinity is increasing = " white death " = desert is increasing.

Huge amount of accumulated material and salt can be removed by erosion from salt marshes, salt lakes, and underground water. to desalinate country.

Great Sandy Desert is at times in flood after cyclone. Rain water that at present rapidly runs into salt lakes will run into sea. Rain water floats on top sea water and evaporates more = more rain clouds from sea.

Saline water evaporates less than freshwater.

* ERGS = vast regions covered deeply with sand. (+ sand dunes above)

EROSION AT THE BEGINNING OF WORKS

to prepare channel for huge tidal erosion or increasing river depth at higher ground altitudes.

> Test should be done to get best method for erosion assisted excavation.

Engineers can evaluate costs for erosion assisted excavation. And time necessary to construct erosion trigger channel (Pilot channel testing facility)

With increasing size and depth of channel .. natural erosion will be reducing construction cost of tidal river, tidal tributaries, creeks, swamps and salt lakes

With time nature will establish, environment suported by tidal sea water desalination of higher ground will establish rain forest and increase rain.

With human help tidal system of river, tributaries, creeks, seawater lakes and rain forest on higher desalinated ground can be eccelerated

extremely high tides + extreme desert heat + huge deserts areas + human know how

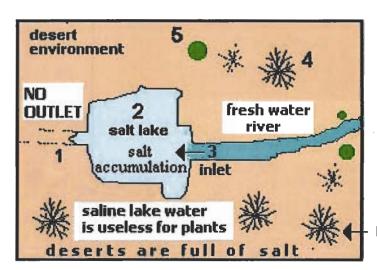
Tides will remove accumulated salt from hyper saline lakes and change now hyper saline salt lake to sea water salinity lake, tidal + rain erosion + human help can make lake deeper what will desalinate huge area of land around take on desalinated ground evergreen rainforest can be established what will increase air humidity - (evaporation + transpiration) for more clouds and rain downstream across Australia.

Milan Mitic (C) 8 June 2008



>>>> DEVELOPMENT OF DESERTS <

DESERTS ARE FULL OF SALT



- 1 LAKE HAS NO OUTLET
- 2. SALINE LAKE
- 3. INLET RIVER
- 4. DESERT TREES
- 5. DESERT PLANTS

EVERY RIVER HAS A LITTLE SALT NOT ENOUGH TO BE CLASSIFIED SALTY BUT WITH YEARS- RIVER SALT GETS ACCUMULATED IN LAKE = SALINE LAKE.

Desert trees have evolved not to loose water Desert trees must conserve water to survive.

= reduced evaporation

- = less clouds
 - = less cloud shade
 - = hotter weather
 - = less rain
 - = hotter climate

VERY HOT AND VERY DRY DESERT AIR RISING EXISTING CLOUDS DISAPPEAR (evaporate)

see note 1

saline lake water when flood spils over and kills trees

trees work like pump to take underground water and with transpiration that rises into atmosphere produce clouds and rain.

Since there is no trees, only hot dry air (without transpiration) raises and makes atmospheric air hotter -

hotter air can hold more moisture before rain point is reached = less chance for rain.

Farmes near big saline lake say " it rains once in a blue moon" some time no rains for years

Huge areas of
Australia get flooded
and
deserts in north west
Australia also.
(similar to Amazon)
Floods can be also

note 1

Floods can be also used to increase erosion.

saline lake deprives country of rain.
saline lake spreads underground saline water far around wind and floods spread salt above ground.

When rain or river water enters saline lake, water salinity increases - hyper saline water can not support plants and trees.

Salt kills trees so no evaporation ...no clouds ... no rain = desert.

High salt content is good preservative does not suport life.

Organic matter has to be decomposed for plants to use it, salt prevents decomposition.

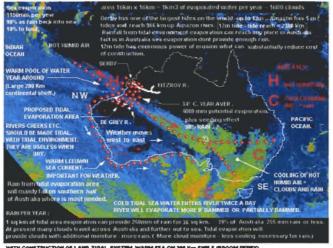
Desert soil is not fertile enough to sustain life of many plants and animals.

Lack of water does the same no life:

Primary desert up stream = lack of rain down stream = secondary salination = secondary desert down stream.

(Murray river and other rivers)?

>>>> DESERTS ARE INCREASING <<<<<



WITH CONSTRUCTION OF LAND TIDAL SYSTEM, WARM SEA ON 200 km shelf (Broom Berby) and warm leeuwh curent temperature wall buckrase and together with new constincted tidal environment wall produce more most uset to Cluds --- and ram across australia.

to Eyre If connected to tidal system can provide 19 km3 of evaporated wa een area around take Eyre is desalinated than this total area lake and is al and non tidal area can provide 2600 km3 of evaporated water.

120 000 years ago when sea levels were 8m higher than now, area on NW Australia got big tidal rivers and environment was tidal similar to Amazon with tidal and non tidal areas with plenty of rain trees and vegetation with huge everyoration.

Australia got rain from evaporation on north west Australia. Area of lake Byre was two times and half larger than now and depth of lake was 27m.

Water in takes and rivers across Australia is from sea, and tidal areas evaporation - clouds - rain

Tidal river can be very long and tidal environment far from sea and huge.

Cold see - warm coastal waters - very warm tidal rivers.

Titlel evaporation is huge 4m/year and rain from it has more chance to fall on land .

tidal environment area 249 km2 (16 km x 16 km) (Indicative only) construction cost - 38 million ? grice per m3 of vector - 37 costs (If rain from initial eveporation only once) (the is one cost only ... system will look after itself ...nature will take ever once established) if rain 4 times from initial eveporation (89% of rainfull eveporates again) then

There will be at least 25 % of seeding effect = additional molecure to cit that would not produce rain otherwise ______ price = 7 cents per m3

Price for cubic meter of weter of weter is calculated only for first year in operation —
Once titul eveporation evidenment is established nature will take over
and rain will be free - no cost.

HOT HUMID AIR

* AIR EXPANSION COLD DRY AIR - CONTRACTION NOT SEA cooling + additional moisture from ground - rain SE and thumid NW LTS SE cooling and reducing air mointure by rain on its way to Anterctics. AOT SEA
hot humid

NW
LTS
alt
from
OCEAN
CONTINENT

PACIFIC
Train
Pain
PACIFIC
Train
Train
Train
PACIFIC
Train
Tra NW Morth Rain from initial tropical evaporation sea ... or tidal land area will fall few times on continent, SE South seet Australia

Well tidel onvironment (elmiller to Amezen) will produce much more eveporation - trees increese eres of tidel environment and size eveporate more more speciely after rain – when lesses are wet – and area of eveporation

All initial rain comes from see and not amough for Australia ... exeption is Kimbe well Kimbeley has far the largest rivers and lakes in Australia and plonty of rain.

well Kimbeley has fer the largest rivers and lakes in Australia and plently of rein.

Kimberley is just north of our proposed titled snek ommer and Kimberley has tidel environment.

Area south of Kimberley is flat and got once huge tidel sewironment but rivers far
some reason sitted up and system stopped functioning ... but Kimberley is moutainaus
so rivers put good fall and editing did not excur.

Withy sitting of rivers happen ... perhaps see level fall se much that tide could not onter tidel river.

Smorron is not also but no eiting __ no it could be some natural catestrophe like carthqueke | that made large geological feels, that dropped tidel river flow. motorrike or sectoroid for solication suggested to the control of the carthquekee of propegsed tidel area was once solicanic with a lot of magma - baselt today.

LTS indicates wind that blows from land to see it happens when land air is hotter than see air. (not air expends sold air contracts).

Typical land to see winds blow in a heat of the day and feee in night time
LTS winds blow more in summer and lees in whiter.
LTS winds prevent initial sea seque date to enter continent at times and reduce reinfel on conti

LTS wind take what little moisture there is every from continent to see and if ees air is colds then very possibly rain into see and once there is rain winds from land to see will increase since rain cools lower layers of air _ cooling of air = contraction = wind.

which setablishment of tidal environment fund area will become cooler ...
because of evaporation and clouds above. And there will be loss wind from lend to see
and more if you see to land ...
Since clouds from north west of continent have long year to treed across Australia
spottered will be cooler and also more see winds to land will bring more rein.

Pain yeter je nesier than sellne weter (see weter). Rein weter floate on top of more a water. Rein weter besporates more - longer than sellne weter. Evaporation incresses content of sellne water at surface. More sellne water gate hewier. Heavier water felle

content of sellina visitor at surface. Note a salina visitor gate he avier. Revolve visitor falle of Whine surface sellina visitor at surface. Note a salina visitor gate he avier. Revolve visitor falle is the most werm and taken werms into depth of see colder but lose selline osellor visitor visitor falle is place at surface. Calder visitor needs time to werm up and evepor ate but process reposts visitor expect along gats sellitor, hoselor at false again. To see severe total in selline visitor than I am visitor. Calder visitor needs think in fleets — clinicating of first visital protect and the more or rain = loses sellinby in fleets — clinicating of first visital protect and the more or rain = loses sellinby in fleets — clinicating of first visital protect and selling of see at surface, what will increase evaporation. Also more rain may fell directly linto see.
Enclosed visitor seeporates march mare — locease of non misting with deep cald visitor. Shallow visitor seeporates more — Lose selline river visitor misties see seeporate more. Lose selline visitor visitor misties seed seeporate more — Lose selline river visitor misties see seeporate in more.

EDOSON AND TIME. Let seesume that on north weet Australia with the help of ercesion chi is accreated, on deep that happed this discess sen flew in and out of channel twice a day

Ground chosen is love and seep for orceion (send or similar).

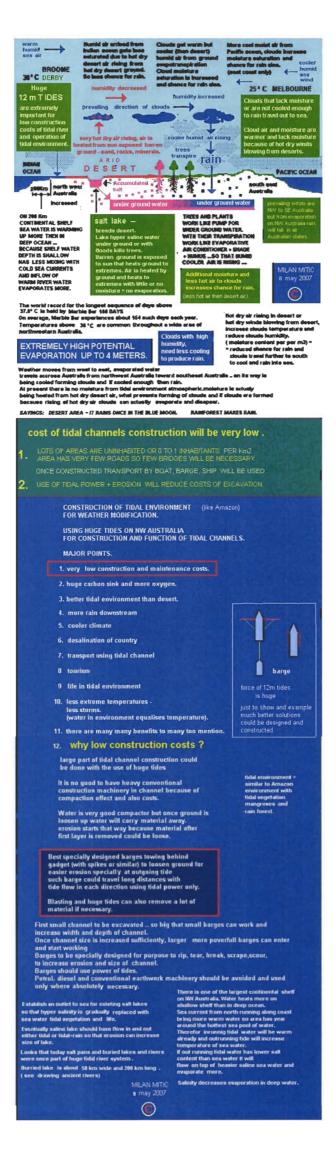
We will node very little transport of material since orceion can do that more efficient and chosper but blasting will be necessary here and there.

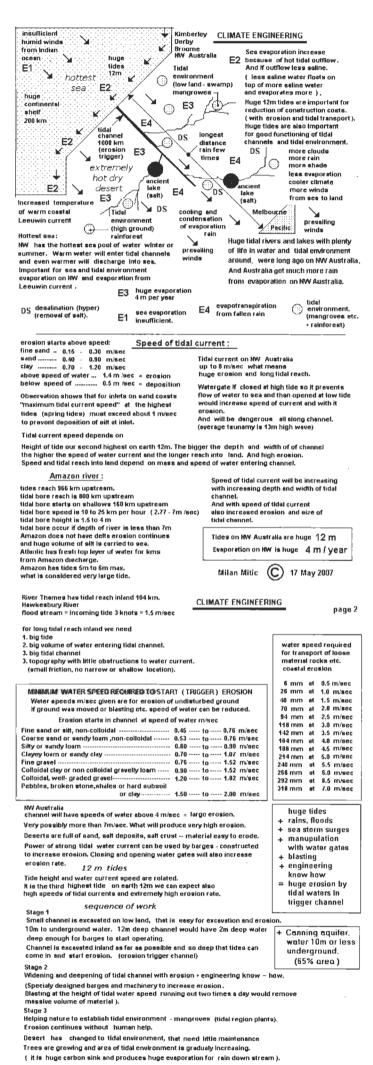
How visit node and deep visit channel be in years ...

MILAN MITTIC 4 MAY 2007

SÉA LEVEL NO







many benefits

>> WHERE IS WATER THERE IS LIFE << AMAZON RIVER

SEE POROROKA PHENOMENOM, (YOU TUBE) TIDAL BORE, EROSION etc, ON INTERNET.

Tidal bore 3.7 m high of the Amazon travels 800 km upstream.

Tides reach 966 km inland of Amazonia. Amazon tides are 5m high. Amazon does not have a delta

ON AUSTRALIAN NORTH WEST ARE HUGE TIDES

UP TO 12 meters

- = HUGE EROSION POWER
- = ECONOMICAL EROSION ASSISTED EXCAVATION
- = EXCELLENT FUNCTION OF FUTURE AUSTRALIAN TIDAL RIVER

AMAZON WAS ONCE DESERT

Amazon river erodes and transport huge amount of material to Atlantic ocean, and also deserts sands from time when Amazonia was desert.

Amazon river beginning started long ago with small creek today is mighty Amazon river all done with erosion and Amazon river is still increasing its size. with erosion helped by 5m Amazon tides.

If Amazon tides would be small and not 5m than river would run slow and instead erosion slow river deposits material where river run is slowest ... And eventualy river flow is blocked = salination = desert

Amazon river flow was once in opposite direction discharge was into Pacific Ocean.

Amazonia was desert in epoch, when there was insufficient, discharge of water + salt into ocean and salt accumulated on land

before present tidal desalination Amazon river system evolved.

Amazon river is sometimes called Sea River, well it is tidal and tidal water is salty Map of the world shows that continental sea coast is greener and deserts are more inland of continents.

Tidal river works similar to coast improves - meliorates climate and environment around.

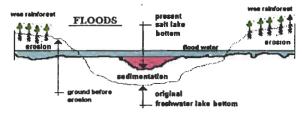
ilan Mitic 🌘

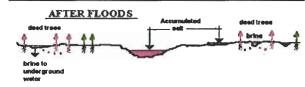
IF LAKE HAS NO OUTLET

At the beginning take was deep and got fresh water but year after year river transported sift and salt into take

Lake become saltier and saltier and shallower and challower

When a lot of rain shallow lake can not take in all the water and water floods the country, since lake is saline salt is carried by flood far eround, salt kills trees = desert.







Transpiration rate from troce and plants is far bigger then eveporation from water surface, because franspiration surface - is huge in comperison to to vaster surface eveporation, epocisty ofter rain or in the marating when leaves are wet

LOW PLAT BESERT LAND

When land becomes flet the fall towerd the eac gets to email for river to function abov running river deposits and eventually flow to see to blooked Water founds the new course towerd the forest ground an filst land and melcas a lake.

At the beginning lake eveter is fresh, but river brings into take a little selt and in years fresh water take to changed to eat lake.

Selt lake kills trees miles eround and reinforcest land shanges to desect.

Solution to reinstate rain farest is descination of land that can not be done with rain vester only -to low rainfall in descrip and to small full lowerd the sea

Solution is Tidal River where tides run in and out since tidal river is about sea level, R works similar

Once salt gets into tidal river R will be removed to sea

Since tidal river is about one level and closer fell from land is increased so no sedimentation but erasion.

If tides ere high, tidel river will function well. Amazon river has firstides Australian tides on nort west Australia ere up to 12m.

Huge tides make construction and maintenance economical.

Descrit land is usually flat with little rain flat land = small fall toward the ses

- + little rain

costs without tidal eresion, to construct and maintain desalination river system, would be prohibited high.

With construction of fidal river and anotronment around on north west Australia downstraum will be more ruln " increased arosion and earler malatenance of existing about systems.

Solution are fruge tides with fruge tidal croater in help construct and maintain tidal river in that are decided as a party.



Milan Millic C 5 Mary 2009