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Geoscience Bulletin Board – 2 October 2017 - compiled by Elaine J. Hanford

Revising the date from September to October 2017 for the end of the World – but Nibiru does not exist


Excellent hurricane news coverage – and they did not need to hype it with “global warming” but not everyone agrees


Submergent East Coast of US continues to subside due to glacial isostatic rebound, groundwater withdrawal & minor contribution from ice melt = 60 cm since 16th century


USGS will conduct low-level airborne project to investigate geophysical, geological & hydrogeological conditions in Crested Butte Watershed


White humpback whale, Migaloo, filmed off the coast of Australia (video)
Seismic tremor at North Korean test site is likely aftershock from the missile test on 3 September

Soil conditions & character of 7.1M EQ created damage in Mexico

German WWI U-boat found off the coast of Flanders in Belgium with 23 bodies inside

Four incredible facts about sea otters

Some woolly rhinos grew misplaced ribs on their necks – perhaps a result of inbreeding

Bolling-Allerod interval records precursor signs of impending end of the Ice Age

Recent deadly EQs in Mexico may not be causally related

Gathering data on Hurricanes Harvey & Irma

Researchers heading to Mexico to gather data on structure performance during recent major EQs

Video animation of route of Greek oil tanker that sank & spilled oil in Argo-Saronic Gulf

Graphite found in sedimentary rocks in Labrador is oldest-known fossil evidence for life on Earth
Volcanic eruption of Mount Agung on Bali – threat level raised
- http://www.express.co.uk/news/world/859501/Bali-volcano-update-how-big-is-Mount-Agung-when-was-last-eruption

Large meteorite impacts may have driven plant-tectonic processes on Early Earth

Proposed map showing the eighth continent Zealandia result of 9-week exploratory expedition

And just when you thought the “global warming hype” was fading away: “The Plutocene:Blueprints for post-Anthropocene Greenhouse Earth”
- https://theconversation.com/we-may-survive-the-anthropocene-but-need-to-avoid-a-radioactive-plutocene-84763

No need to get excited, but yet another iceberg breaks away from Pine Island Glacier in Antarctica

Changes in speed of ocean currents can be charted using mud

Augustynolophus morrisi is now officially the state dinosaur of California

Study confirms three to five large surface-rupturing EQs along the Lake Creek-Boundary Creek & Sadie Creek faults on north flank of the Olympic Mountains in Washington State

North Atlantic deep waters spiral upward around Antarctica

Geologists are investigating the 5.96 myo Messinian salinity crisis in the Mediterranean Sea

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The aftermath of Hurricane Maria in Puerto Rico – failing dam, power grid, flooding, fuel shortages, water rationing, structural damage during humanitarian, agricultural & economic crisis – waiting to be “saved”

- http://www.huffingtonpost.com/entry/puerto-rico-without-power-satellite-gif_us_59c96800e4b01cc57ff4bd33

USGS continuing to monitor four hurricanes & facilitate response & recovery

23 Sept 1806 – Lewis & Clark & 31-man Corps of Discovery returned to St Louis, Missouri

Epitome of human behavior – see a wild bison in Germany for first time in 2 centuries & then shoot it

Arkansas on the verge of banning use of herbicide Dicamba
Mass death during the 1918 Flu Pandemic changed public health policy

Witness the annual South Dakota bison roundup

Combine human-induced EQs with massive oil storage tanks & 14 major pipelines = disaster

Neonicotinoid pesticides kill many species, not just bees – States begin ban

Possible human carcinogen 1,4-dioxane declining in wells at Tucson International Airport Superfund Site

Barn owls apparently do not suffer age-related hearing loss

California does it again – this time filing suit to stop Government from protecting our border
- [https://www.apnews.com/94a5ab1078e648beb2d1a5017b8005ae/California-sues-Trump-administration-to-prevent-border-wall](https://www.apnews.com/94a5ab1078e648beb2d1a5017b8005ae/California-sues-Trump-administration-to-prevent-border-wall)

Case of bird pox confirmed in Long Beach, California – can be transmitted to humans & pets

Missouri to spend more than $1B on wind generation projects & solar

Raising issues of social injustice as recovery efforts continue following recent natural disasters

Infrastructure can facilitate mass evacuations in advance of natural disasters


Researchers aim to improve gut microbiome of livestock as alternative to antibiotics


Just what California needs – another mega development in the Santa Clarita Valley


Former Wm. Wrigley Jr Company workers sue for workplace exposure to chewing gum chemicals


Rapid Response Corps to improve speed of reaction to emerging diseases


Construction begins on Border Wall prototypes – improved border security despite potentially violent protesters


Botanic Gardens preserve one-third of plant life & 40 percent of endangered plant species on Earth


WHO sponsored international meeting identifies critical next steps to respond to global public health threat posed by MERS-CoV


Residents still fighting radiation-riddled landfill in St Louis


EPA may cut funds for litigation efforts within the Justice Department


No-tillage may not be sufficient to prevent water pollution from surface runoff & leaching of nitrates


The only constant in Nature is change

Two wolf cubs spotted near Rome, Italy, after decades of absence

Fragmentation of Panda habitat is putting the species at risk

Looking to eradicate rabies on a global scale by 2030, needing innovation to achieve the goal

Reducing antibiotic use in livestock may help slow the evolution of antibiotic resistant bacteria

2011 Tsunami dispersed hundreds of species from Japan across the ocean

“Tylenol terrorist” was never tried & convicted of the resulting deaths 35 years ago

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Coastal Zone Management Bulletin Board – 2 October 2017 – compiled by Elaine J. Hanford

Coastal restoration & water management industries will expand in Louisiana

40 tons of trash removed from 55 miles of Texas beaches during GLO Cleanup

“Buyers BeWhere” flooding risk web assessment tool for homes in Harris & Galveston Counties in Texas

Cities along the coast, as well as inland, could reduce flooding by becoming “sponge cities”

Improved coastal resilience in New Haven, Connecticut

What happens to marine & coastal wildlife during intense hurricanes?

Marine Mammal Center plays important role in recovery of stranded sea otters
Hurricane Harvey decimated critical wildlife habitats along the Texas Coast
  • http://www.publicnewsservice.org/2017-09-27/environment/hurricane-harvey-decimates-wildlife-habitats-on-texas-coast/a59592-1

Attempting to save white abalone that became critically endangered over five decades as population dropped from millions to only about 2,000 isolated survivors
  • http://www.biographic.com/posts/sto/fighting-for-a-foothold

Monterey Bay National Marine Sanctuary marks 25th anniversary
  • http://www.montereyherald.com/article/NF/20170909/NEWS/170909811

Hurricane Harvey floods in Buffalo Bayou in Houston left tons of sandy sediment
  • http://amarillo.com/texas-news/2017-09-22/harvey-flooded-buffalo-bayou-houston-leaves-silt-park

Washington State denies key permit for planned large coal export terminal based on environmental review

Hurricanes can harm & help coastal environments
  • https://www.popsci.com/hurricane-harm-help-ecosystem

BECQ hones in on non-point source pollution that impacts coastal areas in Northern Mariana Islands