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Geoscience Bulletin Board – 18 March 2019 – compiled by Elaine J. Hanford

The rain came to Death Valley creating a lake

- <https://www.msn.com/en-us/weather/topstories/rare-10-mile-long-lake-forms-in-death-valley-after-heavy-rains-and-flooding/ar-BBUDUgw>

Slide Show: Rock columns on Hua’ao Island in China

- <http://www.bbc.com/travel/gallery/20190312-chinas-colossal-columns-carved-by-nature>

Severe subsidence induced by Chengchao iron ore mine in China

- <https://blogs.agu.org/landslideblog/2019/03/12/chengchao-iron-ore-mine-1/>

Simulating the magma ocean that characterized Earth billions of years ago

- <https://www.livescience.com/64970-early-earth-spin-magma-ocean.html>

Advanced laboratory techniques simulate conditions in the core of Earth

- <https://www.sciencedaily.com/releases/2019/03/190312123650.htm>

Geologist app “Inconvenient Facts” removed from Apple’s platform – suspects the company is biased toward AI Gore alarmism political narrative

- <https://www.dailysignal.com/2019/03/11/inconvenient/>

Coring in Antarctica

- <https://www.rollingstone.com/politics/politics-features/journey-to-antarctica-coring-thwaites-glacier-sea-pig-806769/>

Anthropocene does not exist & future species will not recognize it

- <http://theconversation.com/anthropocene-doesnt-exist-and-species-of-the-future-will-not-recognise-it-111762>

Will American deep-sea oil platforms withstand impacts of underwater avalanches?

- <https://psmag.com/environment/are-oil-platforms-ready-for-underwater-avalanches>

Roughly one-third of active US volcanoes are under-monitored

- <https://www.miamiherald.com/news/politics-government/article227248509.html>

New method for identifying “safe” homesites in gypsum dissolution & sinkhole region in Britain

- <https://www.ripongazette.co.uk/news/ripon-s-sinkhole-problem-new-method-to-help-select-safe-sites-for-homes-1-9643493>

Natural wonders in Norway

- <https://www.stuff.co.nz/travel/destinations/europe/111192112/norway-six-of-the-best-natural-masterpieces>

Studying meteorite that fell in western province of Pinar del Rio in Cuba

- <https://www.plenglish.com/index.php?o=rn&id=39656&SEO=cuban-geologists-study-recent-meteorite>

Threat of sediment runoff to Great Barrier Reef was underestimated

- <https://www.smh.com.au/national/queensland/threat-of-sediment-runoff-to-great-barrier-reef-worse-than-thought-20190311-p513e2.html>

Subtle gravitational signatures precede EQs – may provide early warning technique

- http://www.spacedaily.com/reports/New_earthquaking_sensing_method_could_give_earlier_warnings_999.html

Abandoned mercury mines in San Luis Obispo County, California

- <https://www.sanluisobispo.com/news/local/news-columns-blogs/slo-weird/article225953860.html>

“Bomb cyclone” in the Great Plains

- <https://www.vox.com/2019/3/13/18263630/bomb-cyclone-2019>

Younger Dryas impact hypothesis – fragmented comet hit Earth roughly 12,800 years ago

- <https://www.sciencedaily.com/releases/2019/03/190313140616.htm>

Rethinking evolutionary activity – bursts of activity – not just the Cambrian Explosion

- <https://www.sciencedaily.com/releases/2019/03/190311125146.htm>

Does “marine snow” help cool the planet?

- https://www.eurekalert.org/pub_releases/2019-03/uos-hms031319.php

Last 3 major ice ages were preceded by tropical arc-continent collisions

- <https://www.livescience.com/64994-tectonic-collisions-fueled-ancient-ice-ages.html>
- <https://phys.org/news/2019-03-tectonics-tropics-trigger-earth-ice.html>

- <https://www.sciencedaily.com/releases/2019/03/190314192549.htm>

Landslides induced by 2010 Chilean megathrust EQ

- <https://blogs.agu.org/landslideblog/2019/03/15/2010-chile-megathrust-earthquake/>

Regulating deep-sea mining?

- <https://theecologist.org/2019/mar/15/deep-sea-mining-regulating-unknown>

Agricultural lime may distort strontium isotopic maps

- <https://www.chemistryworld.com/news/strontium-isotope-map-re-examination-casts-doubt-on-bronze-age-migration-theories/3010235.article>

Waterfalls can form spontaneously

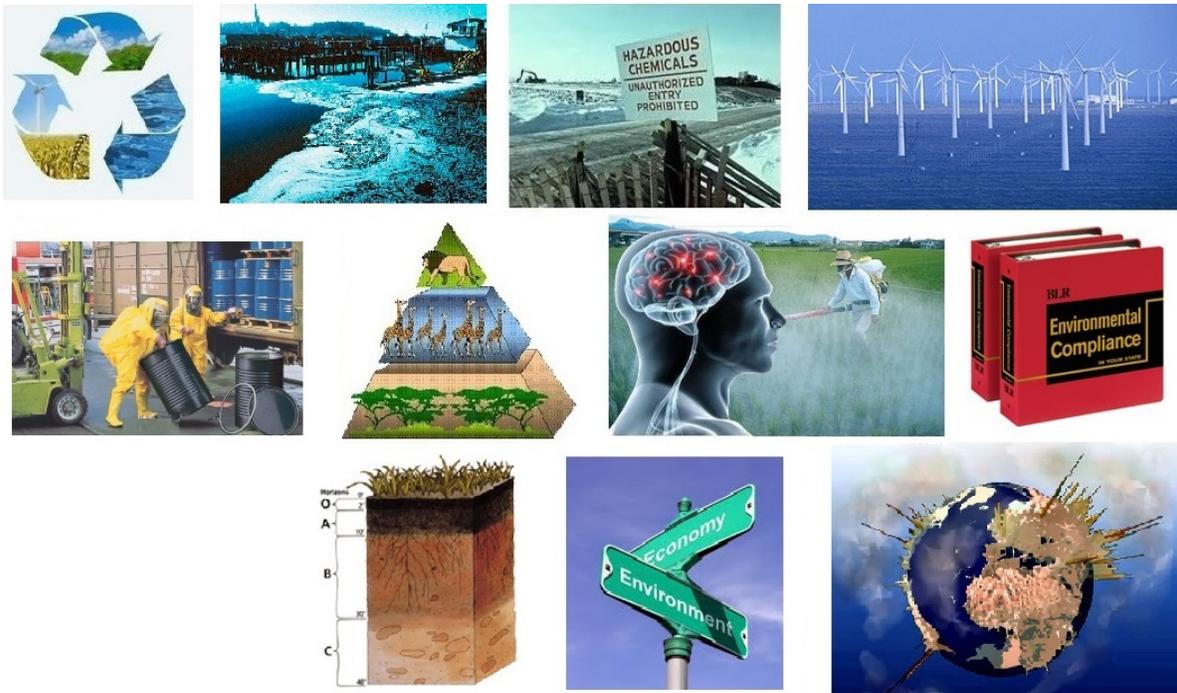
- <https://www.scientificamerican.com/article/going-with-the-flow-waterfalls-can-form-spontaneously/>

25 myo palm fossils reveal geologic history of Tibetan Plateau

- <https://www.techexplorist.com/palm-fossils-suggest-tibet-high-mountains-deep-valleys/21690/>

Professor Martin Menzies to be honored with International Science & Technology Cooperation Award

- <https://www.bracknellnews.co.uk/news/17500555.ascot-man-has-been-nominated-by-the-chinese-academy-for-his-collaborative-work-in-research/>



Environmental Science Bulletin Board – 18 March 2019 – compiled by Elaine J. Hanford

This is “Fix a Leak” Week – average household leaks account for ~10,000 gallons of water per year

- <https://www.epa.gov/watersense/fix-leak-week>

Rabid goat may have transmitted rabies to 9 people in rural South Carolina

- <https://www.thestate.com/news/state/south-carolina/article227456944.html>

Measles, tetanus, mumps, chickenpox and other vaccine-preventable diseases

- <https://www.msn.com/en-us/health/health-news/its-not-just-measles-tetanus-mumps-and-other-vaccine-preventable-diseases-are-still-present-throughout-the-us/ar-BBUyQ0u>

Conflict & violence in the Democratic Republic of the Congo inhibiting efforts to combat Ebola outbreak – now 2nd largest outbreak ever recorded

- <https://www.nature.com/articles/d41586-019-00805-7>

USDA launches new website on “Pests and Diseases”

- <https://www.drovers.com/article/aphis-launches-webpage-pests-and-diseases>
- Website: <https://www.aphis.usda.gov/aphis/resources/pests-diseases/pests-and-diseases/pests-and-diseases>

FEMA rejects California request for \$306M for repair of Oroville Dam of pre-existing damage

- <https://apnews.com/83ccebffbd1497abcbdd138fd251f83>

Jaguar at wildlife park in Arizona will not be euthanized as result of human selfie-taking stupidity

- <https://www.msn.com/en-us/news/us/jaguar-wont-be-euthanized-after-zoo-attack-on-selfie-taking-arizona-woman-officials-say/ar-BBUDhM1>
- <https://www.marketwatch.com/story/a-jaguar-clawed-a-woman-who-got-too-close-to-its-cage-trying-to-take-a-selfie-2019-03-11>

Projects to get farmers in California more water may endanger environment

- <https://www.npr.org/2019/03/11/701205836/trump-administration-shortcuts-science-to-give-california-farmers-more-water>

CRS Report: Evolution of the Meaning of “Wates of the US” in the Clean Water Act

- <https://fas.org/sqp/crs/misc/R44585.pdf>

Underground transmission line proposed from Iowa to Illinois to transmit wind energy

- <https://www.saukvalley.com/2019/03/11/underground-transmission-line-would-slice-through-ogle-carroll-counties/a3c781v/>
- SOO Green Renewable Rail Project: <http://www.soogreenrr.com/>

Houston, Texas, may increase water bills to help pay \$2B project to reduce sewer spills

- <https://www.houstonchronicle.com/news/houston-texas/houston/article/Houston-water-bills-could-rise-under-2B-deal-to-13677431.php>

Technological hazard: World Wide Web hits 30 and encourages hate speech & raises privacy concerns

- <https://apnews.com/1a944fcf10c445f2a87fcd5c2d0320e5>

Photo-essay: Plastics in the once pristine waters of the Verde Island Passage in the Philippines

- <https://www.treehugger.com/plastic/plastic-pollution-invades-epicenter-global-marine-biodiversity.html>

The ceiba tree, 400 years old, in Puerto Rico blooms as a symbol of hope in hurricane recovery

- https://www.huffpost.com/entry/vieques-hurricanes-ceiba-tree_n_5c7ea647e4b0e62f69e6e32c

Cover crops offer financial & environmental benefits

- <https://www.agriculture.com/crops/cover-crops/cover-crops-offer-financial-and-environmental-benefits>

Puppy rescued but missing British backpacker vanished on volcano in Guatemala

- <https://www.independent.co.uk/news/world/americas/catherine-shaw-backpacker-missing-search-puppy-found-guatemala-a8818216.html>

Plans for a planet-wide biodiversity census

- http://www.terradaily.com/reports/Scientists_share_plans_for_planetwide_biodiversity_census_999.html

8 years after the EQ & tsunami hit Fukushima the clean-up continues

- http://www.terradaily.com/reports/Fukushima_current_state_of_the_clean-up_999.html

Ultrafine dust particles produced by coal-fired power stations may modify and redistribute rainfall

- <https://phys.org/news/2019-03-coal-power-stations-disrupt-rainfall.html>

Global warming alarmism is alive & well at least in models – seeking geoengineering to “control” climate

- <https://phys.org/news/2019-03-dose-solar-geoengineering.html>
- <https://phys.org/news/2019-03-pathways-climate-future-action.html>

California & Arizona continue to miss deadlines on Colorado River water agreement – major battle among California agencies

- <https://www.apnews.com/dfb622077f354df4a5fb8997ebc19dd6>

UN issues warning on deadly effects of pollution & environmental damage on public health

- <https://www.dw.com/en/un-issues-dire-warning-on-the-deadly-effects-of-pollution/a-47887188>
- <https://www.dw.com/en/undp-head-the-entire-economy-thrives-on-the-destruction-of-nature/a-47214485>
- GEO-6: <https://www.unenvironment.org/resources/global-environment-outlook-6>
- UN GEO: <https://www.unenvironment.org/resources/global-environment-outlook-6-regional-assessments>

Pangolins are the most poached mammals in the world & they are being driven to extinction

- <https://www.sciencemag.org/news/2019/03/these-odd-scaled-mammals-are-most-poached-world-and-they-re-going-extinct>

\$2.75B plan to divert flood waters around Fargo, North Dakota – will it work?

- <http://www.governing.com/topics/transportation-infrastructure/gov-fargo-flood-prevention-north-dakota-climate-change.html>

Many animal species hibernate

- <https://www.nationalgeographic.com/animals/2019/03/animals-winter-hibernation-turtles/>

Will proposed budget cuts limit US Army Corps of Engineers propensity toward expensive, but ineffective structural controls for flooding?

- <https://www.enr.com/articles/46502-trump-2020-budget-has-deep-cut-in-corps-construction>

Sapphire mining in Madagascar destroys habitat driving lemurs toward extinction

- <https://www.nationalgeographic.com/animals/2019/03/sapphire-mining-fuels-lemur-deaths-in-madagascar/>

Type D or subAntarctic killer whale is identified as a species

- <https://www.nationalgeographic.com/animals/2019/03/new-killer-whale-species-discovered/>

Mayor of New York City unveils \$10B flood protection plan – the money does not exist

- <https://newyork.cbslocal.com/2019/03/14/de-blasio-lower-manhattan-storm-surge-plan/>



Coastal Zone Management Bulletin Board – 18 March 2019 – compiled by Elaine J. Hanford

Coastal drive from Melbourne to Sydney offers phenomenal views, natural features

- <https://www.cnn.com/travel/article/melbourne-sydney-coastal-drive-australia/index.html>

Voluntary relocation or elevation efforts underway in Southwest Coastal Louisiana

- <https://www.nola.com/environment/2019/03/project-to-raise-homes-move-families-in-southwest-coastal-louisiana-moves-forward.html>

“Gold Rush-type phenomenon” – ongoing poaching of coastal succulents for Asian Black Market

- <https://www.petaluma360.com/news/9376739-181/in-a-gold-rush-type-phenomenon>
- <https://www.pressdemocrat.com/news/9327697-181/plant-smugglers-take-massive-toll>

Iconic Apollo 9 image of Outer Banks of North Carolina – 50 years ago

- <https://www.coastalreview.org/2019/03/iconic-apollo-9-image-of-nc-coast-turns-50/>

Alaska Marine Highway budget may be slashed by 75%

- <https://www.juneauempire.com/news/rally-calls-attention-to-coastal-connection-to-marine-highway/>

Coastal risk management works part of £150M program to repair, replace & create new defense systems

- <https://www.dredgingtoday.com/2019/03/12/wales-to-build-new-coastal-defenses/>

March signals the beginning of avian migration on the Outer Banks of North Carolina

- <https://www.coastalreview.org/2019/03/march-kicks-off-spring-migration/>

Shoaling is reducing access to Chatham Harbor in North Carolina

- <https://capecod.wickedlocal.com/news/20190311/coastal-study-finds-north-inlet-is-closing>

10 “Best Beach Festivals” on the Gulf Coast of Florida

- <https://www.coastalliving.com/travel/gulf-coast/best-festivals-florida-gulf-coast>

Back Bay Coastal New Jersey town copes with nearly \$1.6B annual damages

- <https://www.philly.com/science/climate/new-jersey-climate-change-sea-rise-trump-army-corps-20190304.html>
- <https://why.org/articles/barriers-flood-walls-could-help-protect-back-bays-army-corps-says/>
- Report:
https://www.nap.usace.army.mil/Portals/39/docs/Civil/NJBB/Interim%20Report/1NJBB_Main_Report_Interim.pdf?ver=2019-02-28-135220-997

Mississippi spending \$1M on “Coastal Mississippi: The Secret Coast” ad campaign to draw tourists

- <https://www.sunherald.com/news/local/article227330349.html>

IUCN launched Gender Analysis Toolkit (GAT) to improved coastal resource management in Asia

- <https://vietnamnews.vn/environment/506884/iucn-launches-toolkit-to-boost-gender-integration-in-coastal-resource-management.html#bFPqHI7Cw7cmOjUw.97>

Jekyll Creek \$6M dredging pilot project to begin in April to restore channel depth

- https://thebrunswicknews.com/news/local_news/jekyll-creek-dredging-pilot-project-set-for-april/article_3d6819d1-a695-517a-9487-7d1056d5efc7.html

North Carolina CRC approved preliminary boundaries & building rules under Inlet Hazard Maps

- <https://www.coastalreview.org/2019/03/crc-advances-new-inlet-hazard-maps-rules/>

Trinidad Rancheria wants harbor property placed in federal trust – raises concern about access, environment & tribal rights in northern California

- <https://lostcoastoutpost.com/2019/mar/6/trinidad-rancheria-wants-harbor-property-placed-fe/>
- Exhibits: <https://lostcoastoutpost.com/loco-media/loco-media/blog/post/23435/Th10b-3-2019-exhibits.pdf>

Coastal GasLink resumes work following archeological mitigation plan in British Columbia

- <https://www.alaskahighwaynews.ca/business/coastal-gaslink-cleared-to-resume-construction-south-of-houston-1.23659778>
- Information Bulletin: <https://www.bcogc.ca/node/15375/download>

China-Somalia fishing deal may trigger another round of piracy in the Gulf of Aden

- <https://www.trtworld.com/africa/china-somalia-fishing-deal-may-revive-sea-piracy-24879>

Israel conducted first national tsunami simulation even – Caribbean countries to carry out drill

- <https://www.unisdr.org/archive/64189>
- <https://www.plenglish.com/index.php?o=rn&id=39638&SEO=unesco-announces-drill-to-respond-to-tsunamis-in-caribbean>

Planning €15B high-speed rail tunnel under the Baltic Sea between Finland & Estonia

- <https://www.independent.co.uk/news/world/europe/finland-estonia-high-speed-rail-tunnel-baltic-sea-a8818896.html>

Modeling helps prioritize planning & mitigation efforts along coastal areas

- <https://csengineermag.com/coastal-modeling-helps-prioritize-planning-and-mitigation-efforts-due-to-rising-seas-and-storms/>