

## Coastal News 77 (March 2022) – Weblinks

The pdf version of the newsletter already contains active (clickable) links; this list is provided for readers of the printed version. The links below are active.

ARTICLE	PAGE	LINKS
NZCS links	–	<a href="https://www.coastalsociety.org.nz">https://www.coastalsociety.org.nz</a> ( <i>home page</i> ) <a href="https://www.coastalsociety.org.nz/view/publications">https://www.coastalsociety.org.nz/view/publications</a> ( <i>publications and downloads</i> ) <a href="https://www.coastalsociety.org.nz/about-us/management-comittee">https://www.coastalsociety.org.nz/about-us/management-comittee</a> ( <i>Management Committee profiles</i> ) <a href="https://www.coastalsociety.org.nz/about-us/regional-representatives">https://www.coastalsociety.org.nz/about-us/regional-representatives</a> ( <i>Regional representatives</i> )
<i>The Hunga Tonga-Hunga Ha’apai volcano and tsunami</i>	5	<a href="https://doi.org/10.5194/nhess-22-617-2022">https://doi.org/10.5194/nhess-22-617-2022</a> ( <i>Hayward, MW, et al.</i> ) <a href="https://matangitonga.to/2022/03/01/torn-apart-missing-fibre-optic-cable">https://matangitonga.to/2022/03/01/torn-apart-missing-fibre-optic-cable</a> ( <i>Matangi Tonga</i> ) <a href="https://www.nzherald.co.nz/world/tonga-eruption-tsunami-two-people-in-peru-drown-as-surge-hits/MX2R5NZQXI6ZU4DNNVSSRJ3ZKY">https://www.nzherald.co.nz/world/tonga-eruption-tsunami-two-people-in-peru-drown-as-surge-hits/MX2R5NZQXI6ZU4DNNVSSRJ3ZKY</a> ( <i>New Zealand Herald</i> ) <a href="https://riskfrontiers.com/insights/why-the-tonga-tsunami-arrived-much-earlier-and-much-larger-than-expected">https://riskfrontiers.com/insights/why-the-tonga-tsunami-arrived-much-earlier-and-much-larger-than-expected</a> ( <i>Sommerville, et al.</i> ) <a href="https://blog.apnic.net/2022/03/01/when-volcanoes-go-bang-submarine-cables-do-what">https://blog.apnic.net/2022/03/01/when-volcanoes-go-bang-submarine-cables-do-what</a> ( <i>Speidel, U</i> ) <a href="https://www.vcstar.com/story/news/2022/01/16/ventura-harbor-patrol-boat-capsizes-damage-tsunami-tonga-pacific-ocean/6550000001">https://www.vcstar.com/story/news/2022/01/16/ventura-harbor-patrol-boat-capsizes-damage-tsunami-tonga-pacific-ocean/6550000001</a> ( <i>Ventura County Star</i> )
<i>Coastal litter monitoring in Northland</i>	7	<a href="https://www.nrc.govt.nz/environment/coast/coastal-litter-monitoring-in-northland">https://www.nrc.govt.nz/environment/coast/coastal-litter-monitoring-in-northland</a> ( <i>Litter monitoring</i> ) <a href="https://litterintelligence.org">https://litterintelligence.org</a> ( <i>Litter Intelligence</i> ) <a href="https://www.esr.cri.nz/our-research/research-projects/aotearoa-impacts-and-mitigation-of-microplastics-aim">https://www.esr.cri.nz/our-research/research-projects/aotearoa-impacts-and-mitigation-of-microplastics-aim</a> ( <i>Impacts and mitigation</i> ) <a href="https://www.nrc.govt.nz/media/akbnnzn/microplastic-contamination-in-te-tai-tokerau-northland-aotearoa-new-zealand-beach-sediments-2021.pdf">https://www.nrc.govt.nz/media/akbnnzn/microplastic-contamination-in-te-tai-tokerau-northland-aotearoa-new-zealand-beach-sediments-2021.pdf</a> ( <i>Microplastic contamination in beach sediments</i> ) <a href="https://bluecradle.org/2021-microplastics-marine-biosecurity-expeditions">https://bluecradle.org/2021-microplastics-marine-biosecurity-expeditions</a> ( <i>Blue Cradle</i> )
<i>Biodiversity offsetting</i>	8	<a href="https://www.coastalsociety.org.nz/assets/Uploads/files/CN-76-2021-11.pdf#page=7">https://www.coastalsociety.org.nz/assets/Uploads/files/CN-76-2021-11.pdf#page=7</a> ( <i>CN76 article link</i> )
<i>Short-term predictions of storm surge</i>	10	<a href="https://coastalhub.science">https://coastalhub.science</a> ( <i>Coast and Ocean Hub</i> ) <a href="https://doi.org/10.5281/zenodo.5895264">https://doi.org/10.5281/zenodo.5895264</a> ( <i>Moana Project Hindcast</i> )
	11	<a href="https://taiao.ai/">https://taiao.ai/</a> ( <i>TAIAO data platform</i> )
<i>Student awards</i>	12	<a href="https://www.coastalsociety.org.nz/awards">https://www.coastalsociety.org.nz/awards</a>

Regional news	13	<a href="https://www.courtsofnz.govt.nz/assets/5-The-Courts/high-court/high-court-lists/marine-and-coastal-area-takutai-moana-act-2011-applications-for-recognition-orders/20211222-Re-Ngati-Pahauwera.pdf">https://www.courtsofnz.govt.nz/assets/5-The-Courts/high-court/high-court-lists/marine-and-coastal-area-takutai-moana-act-2011-applications-for-recognition-orders/20211222-Re-Ngati-Pahauwera.pdf</a> ( <i>Hawke's Bay</i> )
	15	<a href="https://ccc.govt.nz/the-council/plans-strategies-policies-and-bylaws/plans/christchurch-district-plan/changes-to-the-district-plan/planchange/plan-change-12">https://ccc.govt.nz/the-council/plans-strategies-policies-and-bylaws/plans/christchurch-district-plan/changes-to-the-district-plan/planchange/plan-change-12</a> ( <i>Canterbury</i> ) <a href="https://ccc.govt.nz/environment/coast/coastalhazards/videos">https://ccc.govt.nz/environment/coast/coastalhazards/videos</a> ( <i>Canterbury</i> ) <a href="https://ccc.govt.nz/environment/coast/adapting-to-sea-level-rise">https://ccc.govt.nz/environment/coast/adapting-to-sea-level-rise</a> ( <i>Canterbury</i> )
News you might have missed	17	<i>What to do with seaweed</i> <a href="https://www.bbc.com/future/article/20211119-can-flying-ever-be-carbon-neutral">https://www.bbc.com/future/article/20211119-can-flying-ever-be-carbon-neutral</a> <a href="https://www.dailymail.co.uk/health/article-10255667/How-seaweed-jab-beat-agony-slipped-disc.html">https://www.dailymail.co.uk/health/article-10255667/How-seaweed-jab-beat-agony-slipped-disc.html</a> <a href="https://www.stuff.co.nz/environment/climate-news/127561461/using-carbonabsorbing-seaweed-to-help-our-homes-go-green">https://www.stuff.co.nz/environment/climate-news/127561461/using-carbonabsorbing-seaweed-to-help-our-homes-go-green</a> <a href="https://www.theguardian.com/australia-news/2022/mar/13/really-worth-a-crack-bringing-tasmanias-giant-kelp-forests-back-from-the-brink">https://www.theguardian.com/australia-news/2022/mar/13/really-worth-a-crack-bringing-tasmanias-giant-kelp-forests-back-from-the-brink</a> <a href="https://edition.cnn.com/2022/01/05/business/india-sea6-energy-seaweed-harvester-spc-intl/index.html">https://edition.cnn.com/2022/01/05/business/india-sea6-energy-seaweed-harvester-spc-intl/index.html</a>
	17	<i>Litter communities</i> <a href="http://www.dailymail.co.uk/sciencetech/article-10263711/Animals-plants-living-Great-Pacific-Garbage-Patch.html">www.dailymail.co.uk/sciencetech/article-10263711/Animals-plants-living-Great-Pacific-Garbage-Patch.html</a> <a href="http://www.stuff.co.nz/environment/300475151/great-pacific-garbage-patch-now-an-immense-floating-plastic-habitat">www.stuff.co.nz/environment/300475151/great-pacific-garbage-patch-now-an-immense-floating-plastic-habitat</a> <a href="http://www.dailymail.co.uk/sciencetech/article-10611505/Octopuses-using-human-litter-shelter-shocking-images-reveal.html">www.dailymail.co.uk/sciencetech/article-10611505/Octopuses-using-human-litter-shelter-shocking-images-reveal.html</a>
	17-18	<i>Aquatic songs and coral reefs</i> <a href="https://fishsounds.net/index.js">https://fishsounds.net/index.js</a> and <a href="https://www.frogid.net.au/">https://www.frogid.net.au/</a> <a href="https://www.theguardian.com/environment/2022/feb/17/underwater-sound-library-to-reveal-language-of-the-deep-aoe">https://www.theguardian.com/environment/2022/feb/17/underwater-sound-library-to-reveal-language-of-the-deep-aoe</a> <a href="https://www.theguardian.com/environment/2021/dec/08/whoops-and-grunts-bizarre-fish-songs-raise-hopes-for-coral-reef-recover">https://www.theguardian.com/environment/2021/dec/08/whoops-and-grunts-bizarre-fish-songs-raise-hopes-for-coral-reef-recover</a> <a href="https://www.theguardian.com/environment/2021/nov/28/stock-markets-modern-portfolio-theory-mpt-used-to-pick-coral-reefs-arks-conservation-survive-climate-crisis">https://www.theguardian.com/environment/2021/nov/28/stock-markets-modern-portfolio-theory-mpt-used-to-pick-coral-reefs-arks-conservation-survive-climate-crisis</a> <a href="https://www.theguardian.com/environment/2021/nov/26/great-barrier-reef-how-a-spectacular-coral-spawning-event-is-helping-to-breed-heat-tolerant-corals">https://www.theguardian.com/environment/2021/nov/26/great-barrier-reef-how-a-spectacular-coral-spawning-event-is-helping-to-breed-heat-tolerant-corals</a>
	18	<i>Odd news update</i> <a href="https://www.theguardian.com/environment/2021/dec/05/hot-news-from-two-billion-years-ago-plankton-actually-moved-mountains">https://www.theguardian.com/environment/2021/dec/05/hot-news-from-two-billion-years-ago-plankton-actually-moved-mountains</a> <a href="https://edition.cnn.com/travel/article/venomous-sharks-london-scli-intl-gbr-scni/index.html">https://edition.cnn.com/travel/article/venomous-sharks-london-scli-intl-gbr-scni/index.html</a>
Weblinks	19	<a href="https://www.coastalsociety.org.nz/view/publications">https://www.coastalsociety.org.nz/view/publications</a>

## Corporate Member links (page 19)

4Sight	<a href="https://www.4sight.consulting">https://www.4sight.consulting</a>
OCEL	<a href="https://ocel.co.nz">https://ocel.co.nz</a>
ECan	<a href="https://ecan.govt.nz">https://ecan.govt.nz</a>
Taranaki RC	<a href="https://www.trc.govt.nz">https://www.trc.govt.nz</a>
WSP Opus	<a href="https://www.wsp-opus.co.nz">https://www.wsp-opus.co.nz</a>
Bioresearches	<a href="https://www.bioresearches.co.nz">https://www.bioresearches.co.nz</a>
Geofabrics	<a href="https://www.geofabrics.co.nz">https://www.geofabrics.co.nz</a>
NZDS	<a href="https://www.nzds.co.nz">https://www.nzds.co.nz</a>

Tonkin + Taylor	<a href="https://www.tonkintaylor.co.nz">https://www.tonkintaylor.co.nz</a>
NIWA	<a href="https://www.niwa.co.nz">https://www.niwa.co.nz</a>
May + Partners	<a href="https://www.mayandpartners.com">https://www.mayandpartners.com</a>
Beca	<a href="https://www.beca.com">https://www.beca.com</a>
DML	<a href="https://www.dmlsurveys.co.nz">https://www.dmlsurveys.co.nz</a>
Engeo	<a href="https://www.engeo.co.nz">https://www.engeo.co.nz</a>
AWA	<a href="https://www.awa.kiwi">https://www.awa.kiwi</a>