



Coral Restoration Web Links

NOAA Office of National Marine Sanctuaries Virtual Dives

<https://sanctuaries.noaa.gov/vr/>

Take a virtual dive on coral reefs in Florida Keys and Flower Garden Banks national marine sanctuaries and the National Marine Sanctuary of American Samoa. One of the virtual 360 degree photos from the Florida Keys includes a virtual dive in an ocean-based coral nursery, where staghorn corals (*Acropora cervicornis*) are grown for coral reef restoration.

High-Speed Coral Videos

<https://time.com/4406312/coral-colonies-microscope-kissing-eating-fighting/>

<https://vimeo.com/88829079>

These links show high-speed videos of coral and other reef invertebrates, allowing you to see how active they are during a typical day on the reef.

Coral Bleaching Article

<https://www.cnn.com/2020/04/07/australia/great-barrier-reef-bleaching-2020-intl-hnk/index.html>

An article detailing the mass coral bleaching event currently occurring on the Great Barrier Reef. This is the third mass bleaching event on the Great Barrier Reef in the past five years.

NOAA Office of National Marine Sanctuaries Lesson Plan

https://nmsflowergarden.blob.core.windows.net/flowergarden-prod/media/archive/document_library/eddocs/coralcores.pdf

This activity introduces students (grades 6-12) to growth patterns of reef-building corals and what they can tell us about the environment in which the corals live.

Coral Reproduction and Cryopreservation

<https://nationalzoo.si.edu/center-for-species-survival/coral-reproduction-and-cryopreservation>

Information on efforts to cryopreserve coral gametes and larvae at the Smithsonian's National Zoo & Conservation Biology Institute.

Project Coral

<https://www.flaquarium.org/projectcoral>

Information on Florida Aquarium's efforts to help breed threatened corals in captivity at their Center for Conservation.

Coral Assisted Gene Flow Paper

<https://www.biorxiv.org/content/10.1101/492447v1>

This manuscript details the 2018 effort to generate baby elkhorn corals using assisted gene flow by combining cryopreserved sperm from Florida and Puerto Rico with fresh eggs from Curacao.

Stony Coral Tissue Loss Disease

<https://sanctuaries.noaa.gov/news/aug18/coral-disease-mystery-florida-keys.html>

This web story provides more information on the stony coral tissue loss disease affecting corals in Florida.

Coral Rescue Project Dashboard

<https://myfwc.com/research/habitat/coral/disease/dashboard/>

Find up-to-date information about Florida's coral rescue effort here, including information on the AZA facilities where rescued corals are housed.

Coral Rescue News Articles

<https://www.cnn.com/2020/04/22/us/florida-aquarium-first-reproduce-ridged-cactus-coral-trnd/index.html>

An article that provides additional detail on the coral rescue project, including a recent breakthrough in captive reproduction of the ridged cactus coral at the Florida Aquarium.

Hurricane Irma Paper

<https://doi.org/10.1016/j.jnc.2020.125827>

This manuscript details the project comparing the effect of Hurricane Irma on restored staghorn corals at patch and fore reefs in Florida Keys National Marine Sanctuary.

Mission: Iconic Reefs

<https://sanctuaries.noaa.gov/news/dec19/noaa-launches-mission-iconic-reefs-to-save-florida-keys-coral-reefs.html>

<https://www.fisheries.noaa.gov/southeast/habitat-conservation/restoring-seven-iconic-reefs-mission-recover-coral-reefs-florida-keys>

Information on Mission: Iconic Reefs, including detailed maps of each site, and a downloadable version of the restoration plan.