

2017 ANNUAL REPORT

Turning Dreams into Reality


NOYO CENTER FOR MARINE SCIENCE

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"The future belongs to those who believe in the beauty of their dreams." - Eleanor Roosevelt

If the former First Lady were alive today and could step into the CV Star Community Center in Fort Bragg, she would see our beautiful dream realized—a 26-ft long Orca skeleton gracefully displayed in mid-dive, jaws wide open with massive teeth greeting all who enter. In the ocean this would be a terrifying encounter, but thanks to the Noyo Center's commitment to education, present and future generations can learn from this magnificent mammal by safely examining every inch of it up close.

Our young organization, a fully independent non-profit for only two years, hosted the astoundingly successful Orca Articulation Workshop. Led by three of North America's finest whale articulators, complemented by a small army of volunteers—students, interns, docents and community members—the Noyo Center managed to create what is arguably the most beautiful orca exhibit in the world.

We were able to do this largely because our community believed in the beauty of our dream. Skeleton articulation can be challenging to pitch to donors, but our community stepped up through fundraising dinners, local business contributions, merchandise sales, and student scholarship donations to make this happen.

We thank you and hope you had as much fun as we did! It's been a good year—a year of growth and learning—and one we are excited to build upon as the Noyo Center's role in bringing Education, Exploration, and Experience to the North Coast continues to gather momentum.

Sheila Semans, Executive Director & Pete O'Donohue, Board President



OUR MISSION:

To advance ocean conservation through

EDUCATION

Education is the foundation of true ocean conservation.

2000

KIDS EDUCATED
IN CLASSROOMS

7

HIGH SCHOOL
INTERNS
MENTORED

245

HOURS
CONTRIBUTED

1000+

VISIT ORCA
WORKSHOP

EXPERIENCE

The Orca Workshop exemplifies our commitment to hands-on education.

51

STUDENTS &
COMMUNITY
PARTICIPANTS
CONTRIBUTED
OVER
1,685
HOURS

28

BEACH
CLEAN-UP
VOLUNTEERS
CLEANED
180
MILES OF COAST

EXPLORATION

MARINE MAMMALS

41

ANIMALS
RESPONDED
TO THIS YEAR

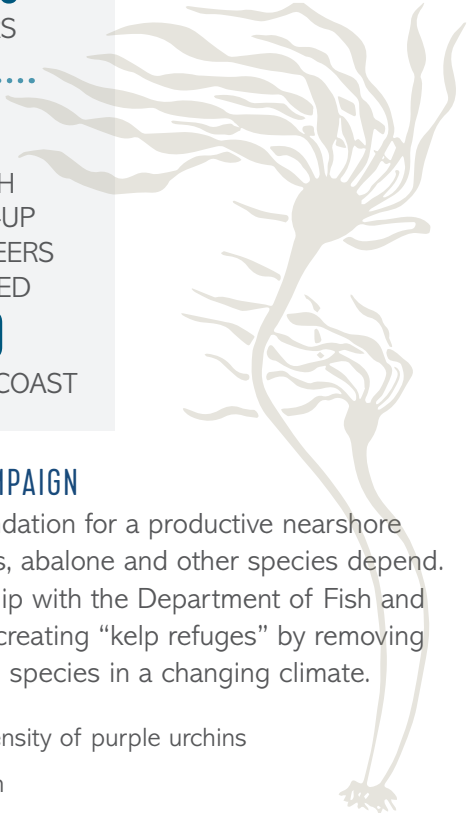
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NEW SKELETON
ARTICULATIONS
COMPLETED

SCIENCE SPOTLIGHT: HELP THE KELP CAMPAIGN

Mendocino's vast kelp forests are the foundation for a productive nearshore environment, on which rockfish, shorebirds, abalone and other species depend. Those forests are now at risk. In partnership with the Department of Fish and Wildlife, urchin divers, and others, we are creating "kelp refuges" by removing purple urchin to adaptively manage critical species in a changing climate.

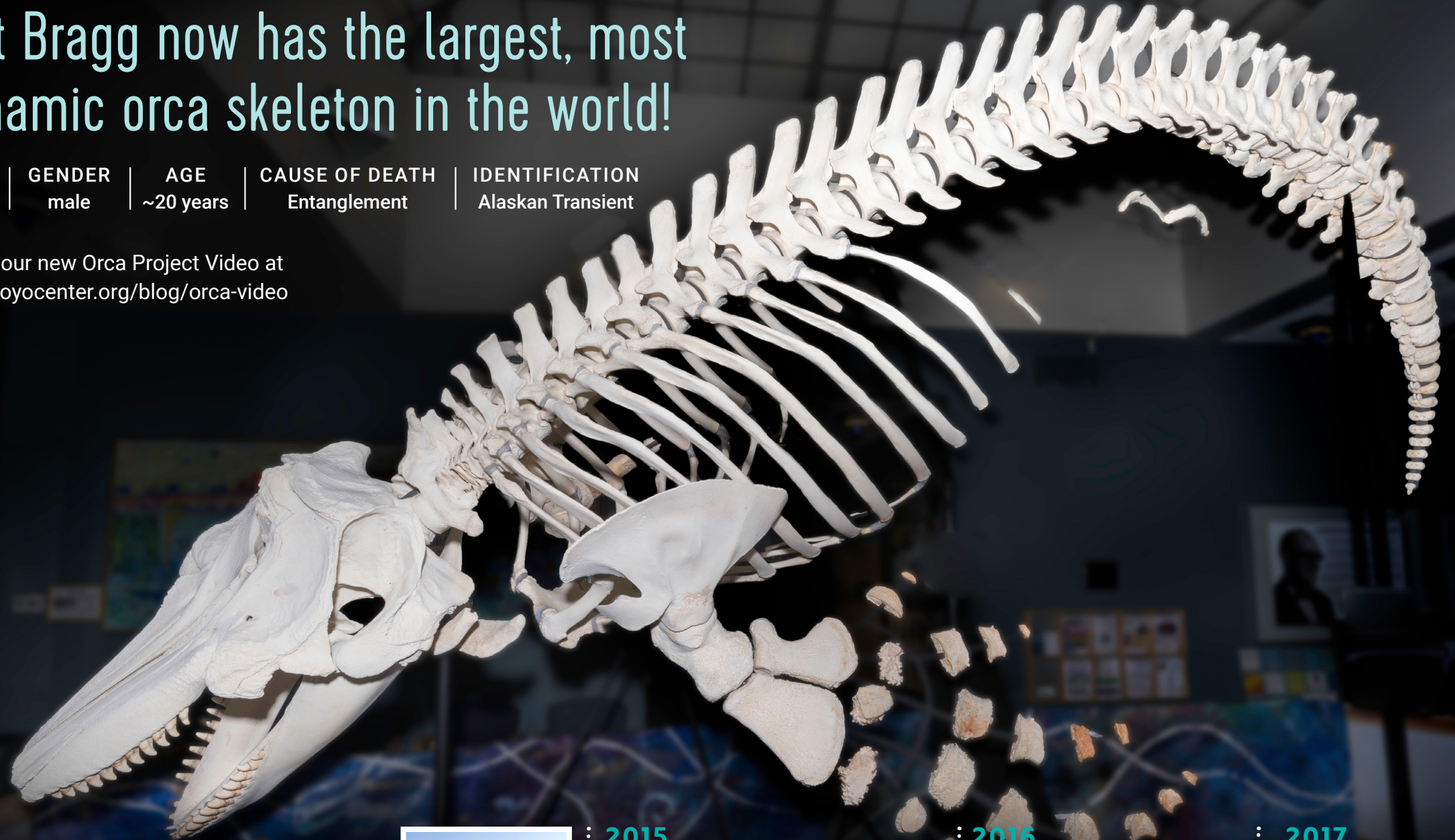
- 90% loss of bull kelp
- 60 times the density of purple urchins
- 25% red abalone shrunken due to starvation



Fort Bragg now has the largest, most dynamic orca skeleton in the world!

SIZE 26-ft	GENDER male	AGE ~20 years	CAUSE OF DEATH Entanglement	IDENTIFICATION Alaskan Transient
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Watch our new Orca Project Video at www.noyocenter.org/blog/orca-video



FROM BEACH TO BONES

The story of our orca skeleton



2015

APRIL

- Orca washed up on MacKerricher Beach.
- Necropsy performed, pectoral fin x-rayed, dorsal fin and eyeball preserved.

MAY

- Bones placed in the "Maggot Motel" to remove flesh

JUNE

- Dorsal fin mold created

2016

MARCH

- School field trips visit orca at boneyard

JUNE

- Bones placed in water maceration tank to remove oils

2017

MAY

- Student interns begin 3D scanning and printing all 44 teeth for use in exhibit.

JULY

- Skeleton articulated in Community Workshop

FINANCIALS

ORGANIZATION FIGURES

INCOME

(2017 projected)

\$287,734

Business: 13%

Individuals: 31%

Foundations & Nonprofit: 19%

Government grants: 25%

Earned income: 12%

EXPENSE

\$271,140

Operations: 26%

Education: 47%

Research: 16%

Stewardship: 3%

Fundraising: 8%

WORKSHOP

\$36,500

in funds raised,

leveraging \$26,300 in donated services,
supplies, facilities, etc

Includes \$3500 in scholarships

- Business contributions: 29%
- Individual: 42%
- Foundations/Grants: 23%



Photo by John Birchard

Orca skeleton finds a temporary home at CV Starr Community Center

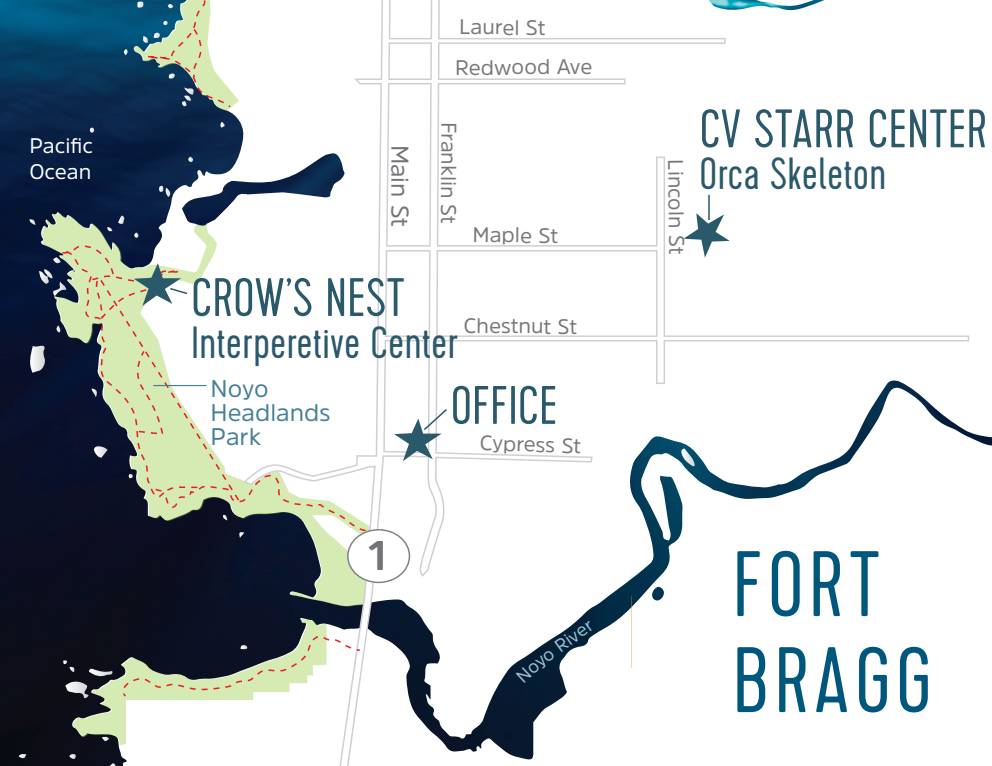
MARINE TECHNOLOGY

Employing some of the latest developments in technology, we are committed to bringing marine science education and research to life, with the goal of making our cold, often turbulent ocean more accessible to everyone. Leveraging technologies in 3D scanning and Virtual Reality this year, we used technologies to create a bridge to our natural world.



Our student intern program grew naturally from a focus on marine mammal identification and response to working intimately on most of the specimens articulated in 2017. Students cleaned and labeled bones and helped test and refine 3D scanning techniques to create a digital record of many of the orca bones that will now be accessible for education and research.

Five student interns were given the task to 3D scan and print all 44 of the killer whale's teeth for use in the exhibit, contributing over 135 hours to that effort alone. This emerging technology was also applied during the workshop to reproduce missing bones on the harbor porpoise, elephant seal, and bottlenose dolphin, vastly simplifying and improving replication.



CROW'S NEST INTERPERETIVE CENTER

South Coastal Trail, Cypress Street entrance

Now displaying 4 marine mammal skeletons and a touch tank aquarium, the Crow's Nest introduces visitors to the latest discoveries in marine science and ways they can have an impact on ocean conservation.

Winter hours:

Saturday & Sunday: 10am - 4pm,

Weekdays: 11am - 3pm

Closed Tues & Wed

Contact us for special accommodations
or to schedule a group tour.

ORCA EXHIBIT

300 S. Lincoln Street, Fort Bragg

Our killer whale is temporarily displayed
in the CV Starr Community Center, and
is free and open to the public.

M-F 5am-8pm

Sat 9am-5pm

Sun noon-5pm

OFFICE - WE'VE MOVED!

155C Cypress Street, Fort Bragg

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