

Santa Barbara County Fish and Game Commission

Grant Application

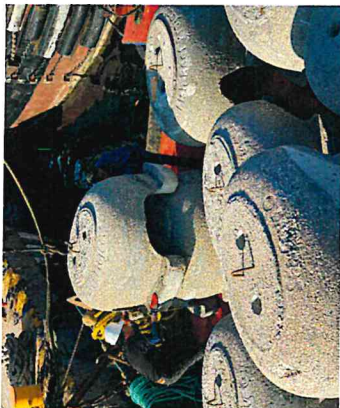
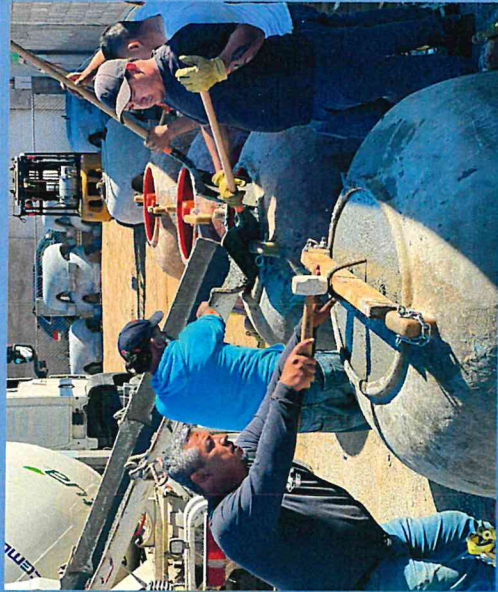
As determined by the Fish and Game Code of the State of California, all fines monies derived from code violations shall be equally divided between the Department of Fish and Game and the county in which the violation occurred. The Santa Barbara County Fish and Game Commission (SBCFGC) is charged with recommending expenditures of fine revenues to the Santa Barbara County Board of Supervisors. State law requires that grants of such monies must be utilized for the protection, conservation, propagation, preservation, or education as they pertain to fish and wildlife.

Non-profit organizations with an IRS 501 (c) (3) tax-exempt status or purpose consistent with the definition of 501 (c) (3) status are eligible to apply.

A proposed project or program must clearly qualify for funding under section 13103 of the California Fish and Game Code - (Please Refer to Attachment A). Projects funded under this Section must be expended for the protection, conservation, propagation, preservation, or education pertaining to fish and wildlife within or outside the County. These grants are awarded annually and current grantees must renew their applications. Grant funds are limited and awards are typically less than \$2,000.

Grant Process

- Each year the SBCFGC will request grant proposals and provide a submittal deadline. Announcement of the grant period will be made during a noticed meeting of the SBCFGC and posted on the Santa Barbara County Planning and Development website at <http://sbcountyplanning.org/>, and noticed with a press release.
- All members of the Fish and Game Commission receive copies of grant applications prior to the Commission's review at a noticed meeting of the SBCFGC.
- The SBCFGC will discuss each grant application and the benefits the program or project has for protection, conservation, propagation, preservation, or education as they pertain to fish and wildlife. Attendance at the meeting by the grant applicant is strongly encouraged to allow for questions from the SBCFGC members.
- The SBCFGC will select grants that will be recommended to the County Board of Supervisors for approval of funding. A report to the County Board of Supervisors will be prepared with each recommended grant attached.
- Successful grant applicants will be contacted following County Board of Supervisors approval.



GRANT APPLICATION

Please complete each section of this application. Incomplete applications may be rejected.

PART 1: PROJECT TITLE

Project Title: Santa Barbara Kelp Restoration Reef-Goleta Study Site
Amount Requesting: 19,500.00

PART 2: GENERAL INFORMATION

Organization: Fish Reef Project			
Contact Person: Chris Goldblatt			
Address 315 Meigs Rd Ste A 289			
City Santa Barbara	State CA	Zip 93109	
Phone 310-488-6100	Fax	Email (most communication will be by email) chris@fishreef.org	

PART 3: PROJECT DESCRIPTION

Note: Please state how the program or project complies with FG Code 13103 (Attachment A) and which provisions apply. If the project is for educational purposes (FG Code 13103 a.), attach a curriculum and examples of any teaching aids to be used.

The project serves FG Code 13103 as an ideal means of fish and wild life propagation via restoration of critical marine habitat and kelp forests. The seabed in Goleta bay has lost its rocky seabed which is needed to support diverse fish, kelp and shellfish communities. The Sea Caves that measure 4x6x3ft have ample cave area and are ideal to support a medium density kelp forest.

Once the study reef of 16 Sea Caves proves that it will sustain a diverse kelp ecosystem, we will apply to expand the reef. The lobster and fin-fish fishery will realize a direct and rapid benefit. The red abalone will enjoy ample areas to settle, feed and grow leading to population recovery over time.

UCSB will enjoy deploying long term studies on the reef. Such studies will lead to a better understanding of how certain structures can be used to rebuild kelp forest ecosystems.

GRANT APPLICATION

PART 4: BENEFITS TO SANTA BARBARA COUNTY WILDLIFE

Please describe how this project would directly or indirectly benefit Santa Barbara County's wildlife.

The 1983 El Nino removed much of the boulders from the seabed in Goleta bay. Typically such boulders come from the hillsides but this is less frequent with reduced water flow linked to drought. Sea Caves are a viable replacement for the lost rocky seabed. Once a rocky seabed is replaced, kelp can grow leading to diverse marine life community of lobster, fin fish, shellfish as well as forage grounds for marine mammals. Kelp beds are the very center of our marine ecosystem and efforts must be taken to ensure their long term survival. This project is a major tool to that end.

PART 5: TIMELINE. For large, multi-year projects, the SBCF&GC may ask for this section to be filled out. For smaller yearly projects or where an item or items are being purchased one time or the project is one event, this section does not apply.

Please provide an outline of your project including the milestones and anticipated achievement dates.

Project Milestones Provide description of milestone Add additional lines if needed.	Date
Project Start Date:	2/28/21
Milestone: Permits approved for State Lands Lease	2/28/23
Milestone: Load and deploy 16 Sea Caves in Goleta Bay	3/15/23
Milestone: Video survey of 16 Sea Caves-check for initial kelp settlment	9/15/23
Milestone: Video survey of 16 Sea Caves-expect kelp growth to the surface	3/1/24
Anticipated Completion Date:	3/1/24

PART 6: BUDGET

Please use the form below to list the summary of your budget and other funding sources. Attach a detailed list of items such as equipment, supplies, and other tangible items to be purchased. Receipts must be supplied for all expenditures. The Fish and Game Commission traditionally does not fund administration costs, such as labor, overhead and travel.

\$ Amount Requested from the Fish and Game Commission:	\$ 19,500.00
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GRANT APPLICATION

Budget Breakdown:

Item Description	Per Unit Cost	Quantity	Total
1. One day on Vessel Danny C	\$ 7,900.00	1.00	\$ 7,900.00
2. Insurance and bond	\$ 1,250.00	1.00	\$ 1,250.00
3. Trucking of 16 Sea Cave	\$ 3,200.00	1.00	\$ 3,200.00
4. Molds for Sea Caves	\$ 32,000.00	1.00	\$ 12,000.00
5. Labor	\$ 10,000.00	1.00	\$ 8,000.00
6. materials for 16 Sea Cave plus design costs	\$ 34,000.00	1.00	\$ 34,000.00
Total			66,350.00

Please add additional lines as needed

Other Funding Sources

In-kind or Other Funding Sources:	45000
1. Santa Barbara Foundation Grant	\$ 25,000.00
2 Decker Brands Grant	\$ 15,000.00
3. SoCal Gas /Sempra Grant	\$ 5,000.00
Total Cost of project	66,350.00

Please add additional lines as needed

PART 7: QUALIFICATIONS (optional)

Please describe the personnel who will be working on this project and their background and pertinent qualifications. Name	Background/Qualifications
Chris Goldblatt-CEO	40 years dive and marine experience
Danny Castignola	30 years commercial offshore operations
Steven Chew	25 years commercial offshore operations

Please add additional lines as needed

GRANT APPLICATION

PART 8: PROJECT PARTNERS (optional)

The Commission strongly encourages prospective grantees to seek partnerships in completing projects. Please list any organizations, groups or agencies that have agreed to participate in your project. Give a brief description of each organization's role in your project. Include any monetary contribution to the project, if any. Please attach a letter of support from each organization. If this is not possible, please include a name and phone number of a person from each organization who can be contacted to verify participation.

Participating Organization	Role	Monetary Contributions	Letter of Support Attached	Name	Phone Number
1. Santa Barbara Foundation	Funding partner	\$ 25000	no	Maria Caudillo	805-880-9362
2. Monique Limon	Political support	\$ NA	yes	Monique Limon	805-641-3700
3. Goleta Sanitary	Agreement to operate near their outfall pipe	\$ NA	yes	Jerry Smith	805-967-4519

Please add additional lines as needed

PART 10: MANDATORY REPORTING

A final report demonstrating how the objective of the grant was achieved is due 60 days from the completion of all projects. On longer term, more complex projects, once those projects are initiated, a progress report is required every 90 days until the project is completed unless the SBCF&GC decides due to the nature of the project, progress reports are not needed.

	Date	Actual Date Submitted (Do not write here)
Progress Report	6/1/23	
Progress Report	9/1/23	
Final Report to SBCFGC	12/31/23	

NOTE: Receipts for expenditures to date must be submitted with each progress report as applicable.

GRANT APPLICATION

PART 12: AGREEMENT

If awarded funds from the Santa Barbara County Fish and Game Commission, I agree to:

- Complete the project as indicated and provide all reports and products as indicated in this application; including any amendments requested by the SBCFGC.
- Spend funds as outlined in this application and/or as voted upon by the SBCFGC. Any request to change how funds are spent must be approved by Santa Barbara County prior to the actual expenditure.

I understand that failure to do so may void this contract with the SBCFGC. Failure to provide such reports and products or use of funds other than voted upon, may result in the loss of granted funds and exclusion from future grant opportunities.

Chris Goldblatt

Print Name



Signature

CEO

2/8/23

Title

Date

Please Return Grant Applications (13 copies) to:

**Santa Barbara County Planning and Development
Attn. Fish and Game Commission
123 E. Anapamu St.
Santa Barbara, CA 93101**

**Attachment A
FISH AND GAME CODE
SECTION 13100-13104**

13100. (a) The amounts paid to and retained in the county treasury pursuant to Sections 12009 and 13003 shall be deposited in a county fish and wildlife propagation fund and expended for the protection, conservation, propagation, and preservation of fish and wildlife, under the direction of the board of supervisors, pursuant to this chapter.

(b) All proposed expenditures from a county fish and wildlife propagation fund shall be reviewed first at a regular meeting of the county board of supervisors or its designated county fish and game commission to ensure compliance with Section 13103.

13101. (a) The board of supervisors of any county may enter into a written agreement with the board of supervisors of one or more counties for the expenditure of any funds deposited in its fish and wildlife propagation fund pursuant to Section 13100 for any purpose authorized by Section 13103 in either, or any, of the counties for the joint benefit of both, or all, of the counties as the judgment of the boards of supervisors may direct. The purchase of real property necessary for that purpose is lawful and title thereto shall be taken in the joint names of each county which contributes funds therefor. The property may be deeded to the state upon the express condition that it shall be employed for the purposes of this chapter within the counties.

(b) The board of supervisors of one or more counties may enter into a written agreement with the department for the expenditure of any funds deposited in its fish and wildlife propagation fund pursuant to Section 13100 for any purpose authorized by Section 13103.

13102. Expenditures from the fish and game propagation fund of any county shall be subject to the provisions of Division 3 (commencing with Section 29000) of Title 3 of the Government Code.

13103. Expenditures from the fish and wildlife propagation fund of any county may be made only for the following purposes:

(a) Public education relating to the scientific principles of fish and wildlife conservation, consisting of supervised formal instruction carried out pursuant to a planned curriculum and aids to education such as literature, audio and video recordings, training models, and nature study facilities.

(b) Temporary emergency treatment and care of injured or orphaned wildlife.

(c) Temporary treatment and care of wildlife confiscated by the department as evidence.

(d) Breeding, raising, purchasing, or releasing fish or wildlife which are to be released upon approval of the department pursuant to Sections 6400 and 6401 onto land or into waters of local, state, or federal agencies or onto land or into waters open to the public.

(e) Improvement of fish and wildlife habitat, including, but not limited to, construction of fish screens, weirs, and ladders; drainage or other watershed improvements; gravel and rock removal or placement; construction of irrigation and water distribution systems; earthwork and grading; fencing; planting trees and other vegetation management; and removal of barriers to the migration of fish and wildlife.

(f) Construction, maintenance, and operation of public hatchery facilities.

(g) Purchase and maintain materials, supplies, or equipment for either the department's ownership and use or the department's use in the normal performance of the department's responsibilities.

(h) Predator control actions for the benefit of fish or wildlife following certification in writing by the department that the proposed actions will significantly benefit a particular wildlife species.

(i) Scientific fish and wildlife research conducted by institutions of higher learning, qualified researchers, or governmental agencies, if approved by the department.

(j) Reasonable administrative costs, excluding the costs of audits required by Section 13104, for secretarial service, travel, and postage by the county fish and wildlife commission when authorized by the county board of supervisors. For purposes of this subdivision, "reasonable cost" means an amount which does not exceed 15 percent of the average amount received by the fund during the previous three-year period, or ten thousand dollars (\$10,000) annually, whichever is greater, excluding any funds carried over from a previous fiscal year.

(k) Contributions to a secret witness program for the purpose of facilitating enforcement of this code and regulations adopted pursuant to this code.

(l) Costs incurred by the district attorney or city attorney in investigating and prosecuting civil and criminal actions for violations of this code, as approved by the department.

(m) Other expenditures, approved by the department, for the purpose of protecting, conserving, propagating, and preserving fish and wildlife.

13104. The department may audit, or require the county to audit, expenditures by the county from its fish and wildlife propagation fund in order to determine compliance with this chapter. If, after reviewing the audit, the department determines that expenditures are not in compliance with this chapter, the department may require that all expenditures from the fund be temporarily suspended, or it may seek reimbursement of funds that the department determines, based on the audit, were expended improperly, or both.

**CALIFORNIA STATE LANDS
COMMISSION**

100 Howe Avenue, Suite 100-South
Sacramento, CA 95825-8202



Established in 1938

JENNIFER LUCCHESI, Executive Officer

916.574.1800

TTY CA Relay Service: 711 or Phone **800.735.2922**

from Voice Phone **800.735.2929**

or for Spanish **800.855.3000**

Contact Phone: (916) 574-1926

February 17, 2023

File Ref.: A3879

Fish Reef Project, 501(c)3
Chris Goldblatt, CEO
315 Meigs Road, A289
Santa Barbara, CA 93109

Via Email to: chris@fishreef.org

Subject: General Lease – Other for the Placement, Monitoring, and Maintenance of 16 Concrete Sea Caves in Goleta Bay, Near Goleta, Santa Barbara County

Dear Mr. Goldblatt:

The enclosed lease document states the terms and conditions of a General Lease – Other, for the above-mentioned facilities in Goleta Bay, Santa Barbara County. If you find these documents to be in order, please ensure two copies of the lease are signed **before a notary public** and returned to my attention as soon as practicable at the above-stated address.

The application will be scheduled for consideration for approval by the State Lands Commission at the next meeting tentatively scheduled for February 28, 2023. Once approved, a fully executed lease will be returned to you.

Thank you for your attention in this matter. Please feel free to contact me at (916) 574 -1926 or at Jannalisa.Toy@slc.ca.gov if you have any questions.

Sincerely,



NO SCALE

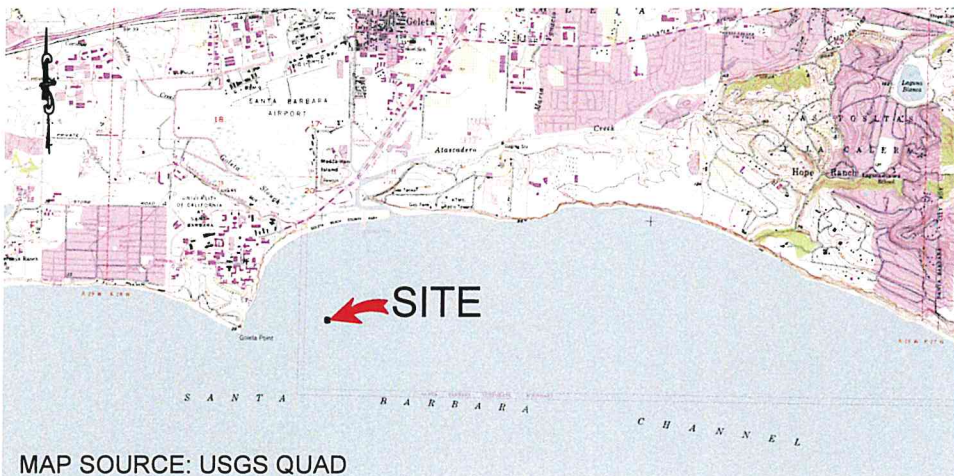
SITE



PACIFIC OCEAN NEAR GOLETA

NO SCALE

LOCATION



MAP SOURCE: USGS QUAD

EXHIBIT B

A 3879
 FISH REEF PROJECT
 GENERAL LEASE -
 OTHER
 SANTA BARBARA COUNTY



TS 12/29/2022

THIS EXHIBIT IS SOLELY FOR PURPOSES OF GENERALLY DEFINING THE LEASE PREMISES, IS BASED ON UNVERIFIED INFORMATION PROVIDED BY THE LESSEE OR OTHER PARTIES AND IS NOT INTENDED TO BE, NOR SHALL IT BE CONSTRUED AS, A WAIVER OR LIMITATION OF ANY STATE INTEREST IN THE SUBJECT OR ANY OTHER PROPERTY.



county of santa barbara

FISH AND GAME COMMISSION

December 6, 2017

The Santa Barbara County Fish and Wildlife Commission, after due investigation, has voted to support the Goleta Kelp Bed restoration efforts of the "Fish Reef Projects".

The proposed project is the most significant environmental restoration effort made in the California marine environment in our lifetime. The benefits of re-establishing a large and durable kelp bed in its historical footprint with permanent hard bottom structure cannot be overstated! These benefits extend beyond the kelp forest environment to physically moderating storm-caused beach erosion so prevalent at Goleta Beach since the loss of its protective kelp bed during the 1983 El Niño.

The opportunity to construct this highly beneficial reef project with little to no monetary or environmental cost to the public is an opportunity that should be fully supported and expedited. We urge all other agencies and stakeholder to the same.

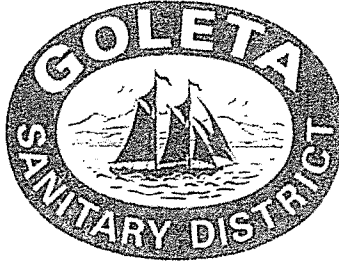
A handwritten signature in cursive script, reading "Phil C. Beguhl".

Phil Beguhl,

Chairman
Santa Barbara County Fish & Wildlife Commission

GOVERNING BOARD

JERRY D. SMITH, PRESIDENT
STEVEN T. MAJOEWSKY
GEORGE W. EMERSON
SHARON ROSE
ROBERT O. WAGENECK



GENERAL MANAGER/DISTRICT ENGINEER
STEVE D. WAGNER, PE

A PUBLIC AGENCY
www.goletasanitary.org

December 11, 2017

Mr. Chris Goldblatt
CEO/Founder, Fish Reef Project
315 Meigs Road Ste A 289
Santa Barbara, CA 93109

Dear Mr. Goldblatt,

The Goleta Sanitary District supports the implementation of the Goleta Bay Fish Reef Project as a way to reduce the potential for coastal erosion at Goleta Beach while providing critical habitat, food and shelter for all manner of marine life in Goleta Bay. We trust that all state and federal agencies will give due consideration to the application for this project and work with the Fish Reef Project for a swift and positive outcome so that we may once again enjoy a healthy kelp ecosystem in our area.

Sincerely,

A handwritten signature in cursive script that reads "Jerry D. Smith".

Jerry Smith,
Governing Board President

CELANESE



www.californiasportfishing.org

June 12, 2013

To: All permitting and advising government agencies working on the Fish Reef Project permit application

Dear Sir or Madame,

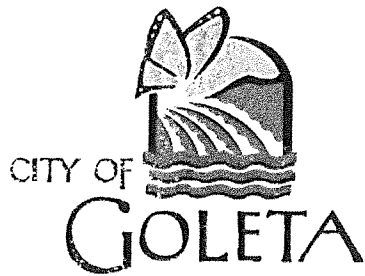
The Sportfishing Association of California (SAC) would like to express its strong support for the Fish Reef Project and their efforts to artificially create new marine ecosystems in California. The SAC represents more than 150 marine recreational companies which include over 150 marine recreational companies which include tackle shops, charter vessels, and landings. It is clear that both the resource and the fisheries will benefit from the creation of the new reefs. We are happy to know that the Fish Reef Project has its first reef plan ready to execute and others planned for the future.

Most other seaside states in the Union have robust state sponsored reefing programs. California does not which makes it even more vital that the Fish Reef Project receive our governments support to fill that vital role. We need new reefs and new healthy marine ecosystems. The Marine Protected Areas dramatically slashed the anglers' access to many historical fishing grounds, which brought about some concerns that the fishing effort is now compacted into even smaller areas and could lead to resource issues. The creation of new reefs is a creative way to offset some of the potential damage to natural reefs.

It is our hope that all the permitting and advising agencies will agree to facilitate and in no way impede the creation of the first reef project in California. It is our belief that this project will help us maintain access to healthy, well managed fisheries in a way that is economically vital and promotes creative solutions to protecting our oceans resources.

Sincerely,

Ken Franke, President
Sportfishing Association of California



February 8, 2018

CITY COUNCIL

Paula Perotte
Mayor

Stuart Kasdin
Mayor Pro Tempore

Roger S. Aceves
Councilmember

Michael T. Bennett
Councilmember

Kyle Richards
Councilmember

CITY MANAGER
Michelle Greene

To Whom It May Concern,

On behalf of the City of Goleta, I am pleased to write this letter of support for Fish Reef Project to encourage restoration of the historic Goleta Kelp Bed.

The protective kelp bed was lost during the El Nino on 1983. The proposed project is a significant initiative for the marine environment off the coast of Goleta. It will reestablish a large and durable kelp bed, within the historic footprint, with permanent hard bottom structure and will provide critical habitat, food and shelter for all types of marine life in Goleta Bay. By reestablishing a kelp bed, the on-going beach erosion caused by winter storms will be minimized and will help protect Goleta Beach and the adjacent park.

The City encourages your support of this project.

Sincerely,

Mayor



9030 Camden Field Parkway
Riverview, FL 33578
Phone: (813) 628-6284
Fax: (813) 628-8253

July 18, 2013

To whom it may concern,

The NAUI Green Diver Initiative would like to show its unwavering support for the Fish Reef Project and its proposed two acre fish reef off of Santa Barbara, California.

The Green Diver Initiative is a community of individuals doing little things to make a significant difference by combining our efforts and sharing our progress. Green Divers believe that we can make a difference in our communities to actively preserve, protect, and conserve our underwater world.

It is our goal to promote and encourage through purposeful activity the education of the general public to safely preserve and conserve the quality of our underwater environment.

We believe that the Fish Reef Project will create a huge impact in the preservation of our oceans by restoring and enhancing the seafloor, improving water quality, and supporting local fisheries. As avid scuba divers, the reefs may also create additional scuba diving tourism to the area and create significant study opportunities.

Again, the NAUI Green Diver Initiative shows its strong support for the creation of a two acre reef off of Santa Barbara created by the Fish Reef Project.

Best Regards,

A handwritten signature in black ink, appearing to read 'Jim Bram'.

Jim Bram,
President

A handwritten signature in black ink, appearing to read 'Jed Livingstone'.

Jed Livingstone,
Vice President

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0037
(916) 319-2037 FAX (916) 319-2137

DISTRICT OFFICES
101 W. ANAPAMU STREET, SUITE A
SANTA BARBARA, CA 93101
(805) 564-1549

89 SOUTH CALIFORNIA STREET, SUITE F
VENTURA, CA 93001
(805) 641-3700

WEBSITE: www.asmdc.org/limon

Assembly California Legislature



MONIQUE LIMÓN
ASSEMBLYMEMBER, THIRTY-SEVENTH DISTRICT

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NATURAL RESOURCES
SUBCOMMITTEE
BUDGET SUBCOMMITTEE #2 ON
EDUCATION FINANCE
SELECT COMMITTEE
CHAIR: NONPROFIT SECTOR
JOINT COMMITTEE
FISHERIES AND AQUACULTURE

February 26, 2020

Douglas Bosco
State California Coastal Conservancy
1330 Broadway, 13th floor
Oakland, CA 94612

RE: Goleta Kelp Reef Restoration Project Grant Application

Dear Mr. Bosco,

I am writing in support of the Fish Reef Project application for a California State Coastal Conservancy grant. The "**Goleta Kelp Reef Restoration Project**" is designed to provide essential fish habitat and substrate for kelp, abalone, and other marine invertebrates. This project will create a productive rock-reef habitat in a degraded sandy bottom area just offshore of Goleta.

According to the California Department of Fish and Wildlife, 93% of California's kelp forests have declined or died in the past five years. In 2013, a mysterious wasting disease deeply impacted sea star populations that would otherwise predate on and temper sea urchin populations resulting in unmoderated, increased urchin consumption of kelp. Also, in 2014, a large patch of warm water developed off the California coast and persistent warmer sea temperatures have stressed the kelp forests to the point that growth and reproduction have slowed dramatically and caused further damage to remaining fronds and tissue. These negative effects reach from the ocean to the shore. Red abalone have been severely impacted by the loss of kelp and this lack of food, causing the abalone fishery to close.

Globally, the ocean and kelp forests absorb roughly one third of the total carbon dioxide (CO²) emitted by human activities every single year. In order to adapt to the challenges presented by climate change and sea-level rise, we must work cooperatively and in partnership with all agencies to restore this vital natural resource and monitor these changes over time. The University of California, Santa Barbara has expressed their support and this project can provide local research opportunities investigating the creation and management of offshore reefs, and how they interact with the natural ecosystem in coordination with the monitoring for the adjacent Campus Point State Marine Conservation Area (SMCA).

This project proposes to create a rocky-reef habitat offshore on submerged lands located at the Goleta County Park in Santa Barbara County. Dams, upper watershed development and roadways have choked off the natural debris flow and any new rock that would have migrated to the ocean has been diverted, depleting the ocean of the natural reef. The project is located in a degraded offshore site that was used as a dumping ground after the Montecito mudslides in 2018. The project will place up to 300 tons of quarried rock from Catalina Island and 75 sea cave reef units placed on 2 acres of mud and sand offshore.

I respectfully request your full and fair consideration of the Goleta Kelp Reef Restoration Project that will help to restore a healthy kelp ecosystem and make our region better prepared for climate change and sea level rise. Should you have any questions, you may contact Michelle Sevilla in my Santa Barbara office at 805-564-1649.

Sincerely,

MONIQUE LIMÓN
Assemblymember, 37th District



March 10, 2022

The Cultured Abalone Farm LLC, located in Goleta CA, is a commercial shellfish and seaweed operation. We are vested stakeholders in the long term sustainable management of a functioning nearshore coastal marine ecosystem, and believe that conservation and stewardship can coexist with commercial uses and the economic benefits of a vibrant working waterfront and seafood economy. Our farm cultures the native CA red abalone using a combination of seaweeds that are both cultivated and harvested, principally the giant kelp *Macrocystis pyrifera*, using a mechanical kelp harvester which harvests canopy growth from the surface while leaving the regenerative plant intact.

As long term harvesters we have seen kelp canopy come and go with seasonal variations and year to year variations in wind, temperature, rainfall, and large scale oceanographic patterns. In areas where substrate exists for the recruitment of new kelp plants, re-establishment of kelp canopy after disturbances is relatively quick. We have seen areas of hard substrate go from complete removal due to storm impacts to full canopy recovery in less than two years. With respect to mitigation of coastal erosion impacts and benefits of carbon sequestration, the provision of substrate in areas of soft bottom for kelp recruitment is, in our opinion, probably the highest potential and most cost effective solution for improving nearshore coastal resource management.

The benefits of the Sea Cave project pilot site, located within an area which we currently lease from the Fish and Game Commission for harvest of kelp, would also provide direct quantifiable data partnership opportunities through our ability to harvest and weigh fixed biomass. Our farm is in support of the Sea Cave project and we encourage regulators to take an objective approach and be open to innovation in coastal management.

Sincerely,
Douglas Bush, Managing Member
The Cultured Abalone Farm LLC

CAPITOL OFFICE
STATE CAPITOL, ROOM 2032
SACRAMENTO, CA 95814
TEL: 916-651-4019
FAX: 916-651-4519

SANTA BARBARA COUNTY OFFICE
222 E. CARRILLO STREET
SUITE 500
SANTA BARBARA, CA 93101
TEL: 805-965-0862
FAX: 805-965-0701

VENTURA COUNTY OFFICE
300 E. ESPLANADE DRIVE
SUITE 430
OXFORD, CA 93036
TEL: 805-988-1940
FAX: 805-988-1945

California State Legislature

SENATOR
HANNAH-BETH JACKSON
NINETEENTH SENATE DISTRICT



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SENATE JUDICIARY
SELECT COMMITTEE ON WOMEN
WORK & FAMILIES
VICE CHAIR
JOINT LEGISLATIVE COMMITTEE ON
EMERGENCY MANAGEMENT
COMMITTEES
HUMAN SERVICES
LABOR, PUBLIC EMPLOYMENT
& RETIREMENT
NATURAL RESOURCES & WATER
PUBLIC SAFETY
SELECT COMMITTEE ON
CALIFORNIA'S WINE INDUSTRY

July 13, 2020

Douglas Bosco
State California Coastal Conservancy
1330 Broadway, 13th floor
Oakland, CA 94612

RE: Letter of Support - Goleta Kelp Reef Restoration Project

Dear Mr. Bosco,

As the State Senator representing the 19th Senate District, which includes the City of Goleta, I am writing in support of the Fish Reef Project application for a California State Coastal Conservancy grant called, "**Goleta Kelp Reef Restoration Project**", designed to provide essential fish habitat and substrate for kelp, abalone, and other marine invertebrates. This project will create a productive rock-reef habitat in a degraded sandy bottom area just offshore of Goleta.

According to the California Department of Fish and Wildlife, 93% of California's kelp forests have declined or died in the past five years. In 2013, a mysterious wasting disease wiped out a large population of sea stars, which stopped the predation of sea urchins, and their population exploded in the following years. A primary food for sea urchins is kelp. Also, in 2014, a large patch of warm water developed off the California coast and persistent warmer sea temperatures have stressed the kelp forests to the point that growth and reproduction have slowed dramatically and caused further damage to remaining fronds and tissue. These negative effects reach from the ocean to the shore. Red abalone have been severely impacted by the loss of kelp and this lack of food, causing the abalone fishery to close.

Kelp forests are the rainforest of the Sea. Globally, the ocean absorbs roughly one third of the total carbon dioxide (CO²) emitted by human activities every single year. Simultaneously, it has absorbed over 90% of the warming caused by humans since the 1970's (OPC Strategic Plan). Climate change and sea level rise present numerous challenges to Santa Barbara County, the City of Goleta and the State Parks system. In order to adapt, we must work cooperatively and in partnership with all agencies to restore this vital natural resource and monitor these changes over time. The University of Santa Barbara has expressed their support and this project can provide local research opportunities investigating the creation and

management of offshore reefs, and how they interact with the natural ecosystem in coordination with the monitoring for the adjacent Campus Point State Marine Conservation Area (SMCA).

This project proposes to create a rocky-reef habitat offshore on submerged lands located at the Goleta County Park in Santa Barbara County. Dams, upper watershed development and roadways have choked off the natural debris flow and any new rock that would have migrated to the ocean has been diverted, depleting the ocean of the natural reef. The kelp reef restoration project is located in a degraded offshore site that was used as a dumping ground after the Montecito mudslides in 2018. The project will place up to 300 tons of quarried rock from Catalina Island and 75 sea cave reef units placed on 2 acres of mud and sand offshore.

I urge the Coastal Conservancy members to give every consideration to this important Coastal Resiliency Project/ Reef Restoration Project that will help to restore a healthy kelp ecosystem and make our region better prepared for climate change and sea level rise.

Please feel free to contact me if you have any further questions.

Sincerely,

A handwritten signature in black ink that reads "Hannah-Beth Jackson". The signature is written in a cursive, flowing style with a long, sweeping underline.

HANNAH-BETH JACKSON
Senator, 19th District

Girl Scout Troop 50124
1025 North Kellogg Ave
Santa Barbara, CA 93111

California Department of Fish and Wildlife
Sarah Rains
Environmental Scientist
Habitat Conservation Planning- North
CA Dept. of Fish and Wildlife
South Coast Region
P.O. Box 279
Newbury Park, CA 91319

August 26, 2018


Dear Permit Officer,

The girls of Girl Scout Troop 50124 are making efforts to positively impact our environment and in doing so we have met with Chris Goldblatt, who is spearheading the Fish Reef Project to aid in the development of environmentally friendly reefs. We are excited to work with their group to help stop the erosion of the beaches and foster a friendly environment for ocean life to inhabit.

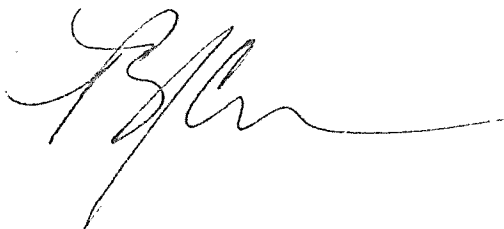
Our troop is hoping to participate in running a test for the project at Lake Cachuma. it would benefit the fish by creating a place for them to spawn and it would allow the Reef Project to work on the logistics of installing the man-made reef unit to the floor for that purpose.

It is our hope that the Cachuma lake reef beta project be approved forthwith, which will enable the Fish Reef Project to continue to work toward the long-term goal of the project to the environment by allowing this test to take place at Lake Cachuma.

Sincerely,


Annika

Girl Scout Troop 50124
Lydia Swanson, Paula Cassin, Annika Wagner, Lily Cassin, Clara Cassin





Los Angeles Rod & Reel Club

~~~~~  
"Good sportsmanship is worth more than all the fish in the ocean"

Chris Goldblatt  
The Fish Reef Project  
315 Meigs Rd., Suite A 289  
Santa Barbara, CA 93109

May 1, 2013

Chris,

The Los Angeles Rod & Reel Club supports the Fish Reef Project as a unique opportunity to unite the ocean community in a positive effort to enhance and restore our local fishery. We see this project as a extremely economical way to ensure the public has access to marine resources for generations to come. It has all the right elements for success: inclusion, efficiency, and legacy.

This is something we can all get behind!

A handwritten signature in black ink, appearing to read "Rob Baldwin". The signature is fluid and cursive, with a long horizontal line extending to the right.

Rob Baldwin  
President  
Los Angeles Rod & Reel Club



May 11, 2022

To Whom It May Concern:

Commercial Fishermen of Santa Barbara would like to offer its collective support for Fish Reef Project's multistage Goleta Kelp Reef Project. The Sea Caves are an ideal designed reef unit for the local ecosystems in terms of its ability to generate kelp and stimulate vital stocks of commercially important species that are needed to sustain small scale, sustainable commercial fishing activities in the Santa Barbara Area.

Santa Barbara has a long history of having a vibrant commercial fishing sector that has been hit hard by El Ninos, closures, rising fuel and operating costs. By rebuilding our local a kelp reef ecosystems fishermen may be able to work closer to home port and greatly reduce fuel burn and our carbon footprint. The Goleta Kelp Reef also provides a rare opportunity for a broad spectrum of local community members to back a project that universally benefits fishing, ecology, academia and the ocean itself. Commercial Fishermen of Santa Barbara trusts that all permitting agencies will give this vital project full consideration and sustain all related permit applications.

Sincerely,

Chris Voss  
CFSB President  
[chrisjvoss@gmail.com](mailto:chrisjvoss@gmail.com)  
[www.cfsb.info](http://www.cfsb.info)

STATE CAPITOL  
P.O. BOX 942849  
SACRAMENTO, CA 94249-0037  
(916) 319-2037 FAX (916) 319-2137

DISTRICT OFFICES  
101 W. ANAPAMU STREET, SUITE A  
SANTA BARBARA, CA 93101  
(805) 564-1649

89 SOUTH CALIFORNIA STREET, SUITE F  
VENTURA, CA 93001  
(805) 641-3700

WEBSITE: [www.asmdc.org/limon](http://www.asmdc.org/limon)

# Assembly California Legislature



**MONIQUE LIMÓN**  
ASSEMBLYMEMBER, THIRTY-SEVENTH DISTRICT

**COMMITTEES**  
CHAIR: BANKING AND FINANCE  
BUDGET  
HEALTH  
HOUSING AND COMMUNITY  
DEVELOPMENT  
NATURAL RESOURCES

**SUBCOMMITTEE**  
BUDGET SUBCOMMITTEE #2 ON  
EDUCATION FINANCE

**SELECT COMMITTEE**  
CHAIR: NONPROFIT SECTOR

**JOINT COMMITTEE**  
FISHERIES AND AQUACULTURE

February 26, 2020

Douglas Bosco  
State California Coastal Conservancy  
1330 Broadway, 13<sup>th</sup> floor  
Oakland, CA 94612

## RE: Goleta Kelp Reef Restoration Project Grant Application

Dear Mr. Bosco,

I am writing in support of the Fish Reef Project application for a California State Coastal Conservancy grant. The "**Goleta Kelp Reef Restoration Project**" is designed to provide essential fish habitat and substrate for kelp, abalone, and other marine invertebrates. This project will create a productive rock-reef habitat in a degraded sandy bottom area just offshore of Goleta.

According to the California Department of Fish and Wildlife, 93% of California's kelp forests have declined or died in the past five years. In 2013, a mysterious wasting disease deeply impacted sea star populations that would otherwise predate on and temper sea urchin populations resulting in unmoderated, increased urchin consumption of kelp. Also, in 2014, a large patch of warm water developed off the California coast and persistent warmer sea temperatures have stressed the kelp forests to the point that growth and reproduction have slowed dramatically and caused further damage to remaining fronds and tissue. These negative effects reach from the ocean to the shore. Red abalone have been severely impacted by the loss of kelp and this lack of food, causing the abalone fishery to close.

Globally, the ocean and kelp forests absorb roughly one third of the total carbon dioxide (CO<sup>2</sup>) emitted by human activities every single year. In order to adapt to the challenges presented by climate change and sea-level rise, we must work cooperatively and in partnership with all agencies to restore this vital natural resource and monitor these changes over time. The University of California, Santa Barbara has expressed their support and this project can provide local research opportunities investigating the creation and management of offshore reefs, and how they interact with the natural ecosystem in coordination with the monitoring for the adjacent Campus Point State Marine Conservation Area (SMCA).

This project proposes to create a rocky-reef habitat offshore on submerged lands located at the Goleta County Park in Santa Barbara County. Dams, upper watershed development and roadways have choked off the natural debris flow and any new rock that would have migrated to the ocean has been diverted, depleting the ocean of the natural reef. The project is located in a degraded offshore site that was used as a dumping ground after the Montecito mudslides in 2018. The project will place up to 300 tons of quarried rock from Catalina Island and 75 sea cave reef units placed on 2 acres of mud and sand offshore.

I respectfully request your full and fair consideration of the Goleta Kelp Reef Restoration Project that will help to restore a healthy kelp ecosystem and make our region better prepared for climate change and sea level rise. Should you have any questions, you may contact Michelle Sevilla in my Santa Barbara office at 805-564-1649.

Sincerely,

A handwritten signature in black ink, appearing to read "Monique Limón", written in a cursive style.

**MONIQUE LIMÓN**  
Assemblymember, 37<sup>th</sup> District



March 10, 2022

The Cultured Abalone Farm LLC, located in Goleta CA, is a commercial shellfish and seaweed operation. We are vested stakeholders in the long term sustainable management of a functioning nearshore coastal marine ecosystem, and believe that conservation and stewardship can coexist with commercial uses and the economic benefits of a vibrant working waterfront and seafood economy. Our farm cultures the native CA red abalone using a combination of seaweeds that are both cultivated and harvested, principally the giant kelp *Macrocystis pyrifera*, using a mechanical kelp harvester which harvests canopy growth from the surface while leaving the regenerative plant intact.

As long term harvesters we have seen kelp canopy come and go with seasonal variations and year to year variations in wind, temperature, rainfall, and large scale oceanographic patterns. In areas where substrate exists for the recruitment of new kelp plants, re-establishment of kelp canopy after disturbances is relatively quick. We have seen areas of hard substrate go from complete removal due to storm impacts to full canopy recovery in less than two years. With respect to mitigation of coastal erosion impacts and benefits of carbon sequestration, the provision of substrate in areas of soft bottom for kelp recruitment is, in our opinion, probably the highest potential and most cost effective solution for improving nearshore coastal resource management.

The benefits of the Sea Cave project pilot site, located within an area which we currently lease from the Fish and Game Commission for harvest of kelp, would also provide direct quantifiable data partnership opportunities through our ability to harvest and weigh fixed biomass. Our farm is in support of the Sea Cave project and we encourage regulators to take an objective approach and be open to innovation in coastal management.

Sincerely,  
Douglas Bush, Managing Member  
The Cultured Abalone Farm LLC

**ADDENDUM:**

**For clarity, the \$19,500.00, if granted will be spent specifically on below items :**

- a) Cost of manufacture of Sea Caves**
- b) Sea Caves molds**
- c) Cost of trucking to Santa Barbara**
- d) Cost of Danny C vessel to deploy**

**Thank you,  
Chris Goldblatt**