

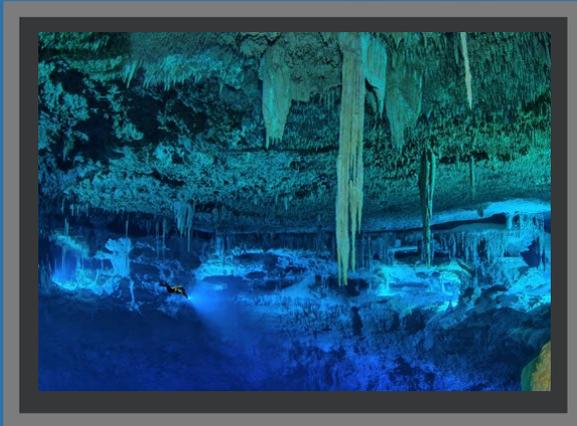


BAUE Newsletter

Quarter 3, 2019

Welcome to the Quarter 3 2019 newsletter for the Bay Area Underwater Explorers. It's been over a year since our last newsletter and we hope you enjoy this edition. If you have any stories, projects or community activities you'd like to see published, please email murata_david@yahoo.com or any of the *Board of Directors* found near the back in this newsletter.

Hoyo Negro



The Top of the Hoyo Negro Pit

The Hoyo Negro Team Returns

The Hoyo Negro team including BAUE member Beto Nava returns to Mexico to continue building the 3-D model of the the cave.

Read more about Hoyo Negro in the "Exploration" section of this newsletter.

Cordell Bank NMS



PBS Program on the Cordell Bank

The Cordell Bank was featured in the PBS program the Changing Seas along with BAUE members, Rob & Allison Lee, Kevin Dow and Escapade Captain Jim Capwell.

Find out more in the "Exploration" section of this newsletter.

In this Issue:

Exploration

- Get the latest update on Hoyo Negro and watch the PBS special, "The First Face of the Americas"
- See the effects of pollution on the Cordell Bank on the PBS show the "Changing Seas" with contributions made by several BAUE members

Education

- Read about BAUE's contribution to Point Lobos' Underwater Parks Day
- Learn about the types and how to schedule the courses that Beto Nava teaches

Community

- Read about the Point Lobos Boat Ramp Project and BAUE's contribution to the resurfacing project

Local Diving

- Learn how to make Dive Reservations at Point Lobos
- Use the Web to learn about Shore Dive Sites in Monterey
- Boat dive the Escapade with other BAUE members

Travel

- BAUE is going back to Cozumel on Sept 1 2019. Dive with your GUE buddies with Doubles in Warm Water. Space is limited so act quickly

New Members and Certifications

- Meet the newest members to join BAUE
- See the new GUE certifications for existing members

Organization

- Learn about BAUE's finances
- See how the member dues are used
- Get information on this years cool BAUE gift

Calendar of Events

- Browse the summary of BAUE calendar and join an event

Call for the New Newsletter Ideas

- Submit an article or event for the Next Newsletter

Exploration

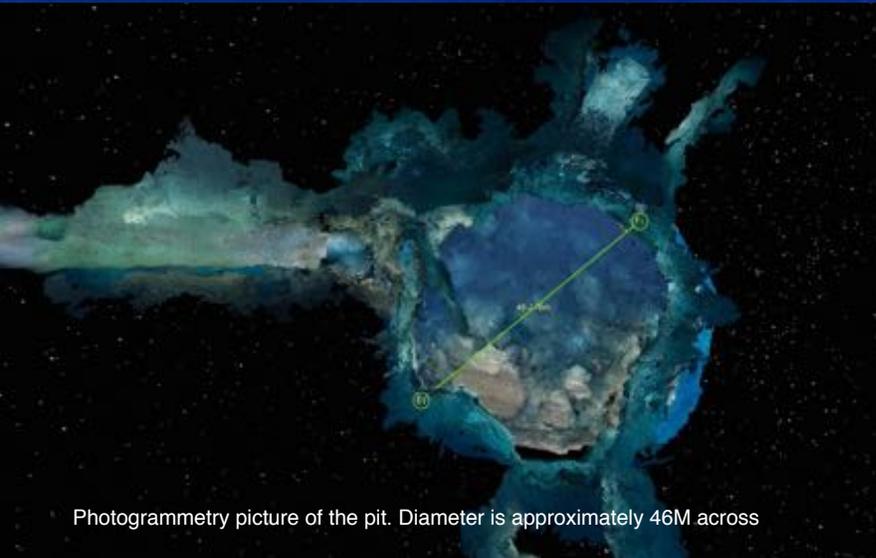
HOYO NEGRO



The Hoyo Negro team including BAUE member Alberto Nava went back to Quintana Roo, Mexico to continue building the 3-D model of the cave. Using specialized computer hardware and software, conventional 2-D photographs are triangulated to create a 3-D (x,y,z) image or point cloud model. This 3-D model can then be rotated, zoomed and panned for study by the scientific community. To date, the Hoyo Negro team has taken enough images to create a 14 billion point cloud. The images below are those created from the 3-D point cloud.

Hoyo Negro was featured in the NOVA program, "The First Face of America". This presentation was first aired on February 7, 2018 on PBS about the discovery of Princess Naia, the oldest skeleton found in North America. This program is available on Netflix and still available online at PBS:

<https://www.pbs.org/wgbh/nova/video/first-face-of-america>



Photogrammetry picture of the pit. Diameter is approximately 46M across



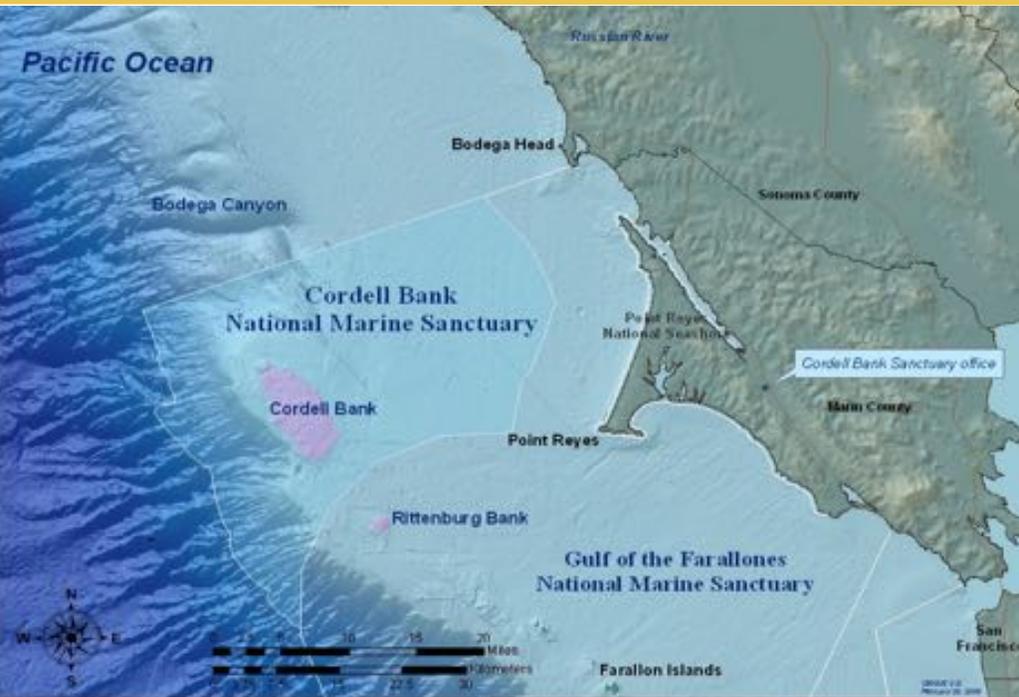
Photogrammetry picture of a Pleistocene fossil site



Photogrammetry picture of an area at the bottom of the Pit. Light areas are detailed point cloud areas where Pleistocene fossils remains have been found

Exploration

Cordell Bank, National Marine Sanctuary

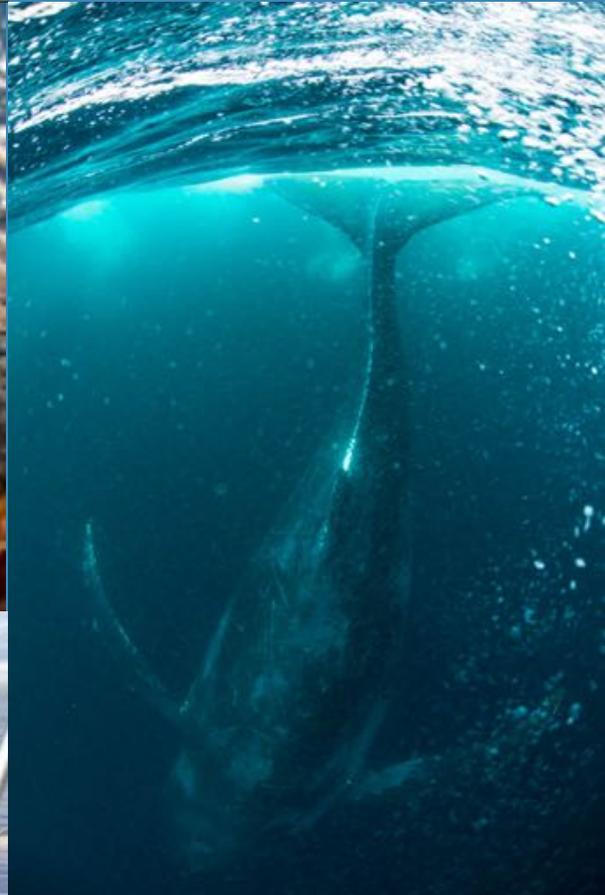


The Cordell Bank National Marine Sanctuary was featured in the PBS program “Changing Seas”. This bank with its unique combination of undersea topography and ocean conditions creates one of the most rich and diverse undersea ecological areas.

The Cordell Bank episode of “Changing Seas” features some of the contributions made by BAUE divers as well as the Escapade and her crew.

The original show premiered on the South Florida PBS stations WPBT and on WXEL on June 19th and 30th respectively and is currently available on the web:

<https://www.changingseas.tv/season-11/1101>



Education

Underwater Parks Day April 13, 2019



The Point Lobos State Natural Reserve held its annual “Underwater Parks Day” on April 13th, 2019.

Demonstrations were given at Whaler’s cove which included an underwater robot exhibit, booths on natural history and wildlife, coloring books and stickers for young family members. BAUE participated by having a booth which showcased scuba equipment, BAUE’s mission and projects.

Many thanks to Paul Festa, Gavin Chilcott, David Jolles and Joe Klopp for manning the BAUE booth.

GUE Training

Continue your Dive Training
With Alberto Nava



Want to improve or learn new skills?

Schedule a class through the GUE website at <https://www.gue.com/class-schedule>. If you want to take a class that isn’t listed, find at least one other buddy or two and contact Beto to create a new class.

List of classes that Beto teaches:

- Discover Diving
- Recreational Supervised Diver
- Recreational Diver 1 - Nitrox
- Recreational Diver 3 - Trimix
- GUE Fundamentals
- Doubles Diver
- Drysuit Diver
- Trimix Primer
- DPV Diver 1
- Technical Diver 1

1:1 Sessions:

Need a little help on specific issues like trim or buoyancy? Want to upgrade from your Fundies Rating from Rec to Tech? Schedule a 1:1 session with Beto to reach your goals.

Contact:

Alberto Nava

Email: betonavab@gmail.com

Community

BAUE Drives Boat Ramp Resurfacing at Whaler's Cove, Point Lobos



Boat Ramp Repair Plan

Point Lobos SNR has completed both the 90% and final repair plans. The 90% survey can be found at <http://bit.ly/2yp2nUz>. The final plan will feature the following:

- o The proposed boat ramp repair will extend further down and out into the cove replacing existing potholes and slippery surfaces while allowing emergency boat access
- o Then entire length of the ramp will be resurfaced with grooved concrete on a constant angle slope from the top to the bottom of the boat ramp

No railing will be added for three reasons. One, no solution could eliminate the corrosive and destruction action of high waves and displaced rip rap. Two, there are concerns over encroaching the boat ramp launch space. Finally, a railing would have added additional ADA compliance requirements, delaying commencement and increasing costs considerably.

Cost Estimates and Schedule

The budget year for Point Lobos SNR is June 30th - July 1st. If the pre-bid steps are complete by end of February 2020, then the repair project will be considered for the fiscal 2020-21 year.

The cost estimate not including testing and survey analysis, bid administration, construction, project management, inspections, and PGE permits now stands at \$141,533. Point Lobos staff expect the final cost to be higher.

Over the past three years, BAUE has raised \$19,331.70 from your donations for the project. Point Lobos SNR has contributed \$32,000, spent so far on the project.

Milestones

2015 - 2018 Power Washing

- In 2015, Point Lobos shuts off water for divers and stops power washing
- BAUE contributes to purchase of new power washer
- BAUE conducts monthly volunteer effort to power wash boat ramp
- BAUE creates boat ramp project fund and authorizes matching funds up to \$5000 for boat ramp donations in 2017

Despite power washing efforts, the boat ramp remains treacherous. BAUE begins contact with Point Lobos SNR to have boat ramp resurfaced.

2018 Milestones

- Suzanne Baird, BAUE member, coordinates onsite meeting with the CA Park Rangers, Fire Department and local business leaders to show Point Lobos SNR the deteriorated boat ramp and the need for resurfacing
- At the onsite meeting, BAUE offers to mount community wide, fundraising effort toward fixing the boat ramp
- BAUE board authorizes matching funds up to \$5000 for boat ramp donations in 2018
- BAUE exchanges emails with Point Lobos SNR on a regular basis to maintain attention on the boat ramp

2019 Milestones

- BAUE board authorizes matching fund contributions up to \$5000 for boat ramp donations for 2019
- In January, Point Lobos SNR sends BAUE a 90% completed survey of the boat ramp replacement project
- In June, Point Lobos SNR informs BAUE that the final plan for the boat ramp repair has been completed

Future Milestones

The following four milestones below must be completed before the bidding process begins:

1. Completion of project description and construction methods for environmental review
2. Review by Dept of Parks and Recreation
3. Submission to State/Local agencies to get their input on timeline and schedules
4. Receipt of permits

Once all 4 steps are completed, then the bidding process can be initiated, evaluated and the contract awarded.

If the contract is awarded before the end of February 2020, the project will be considered for the Point Lobos SNR fiscal 2020-2021 budget.

Local Diving



Shore Diving at Whaler's Cove, Point Lobos

Point Lobos is considered to be the “Crown Jewel” of California State Parks. The diving at Point Lobos is breathtaking and spectacular.

Reservations can be made in advance as far out as the current month plus two. Single dive reservations are always made for a team of two; a team of three requires two reservations. You may type “TBD” in the required fields if you are not sure who your “buddy” will be.

Advance reservations are for \$20 and \$30 for weekdays and weekends. An entry fee of \$10 per car is also collected and the entrance of the park

To make reservation via the CA Parks and Recreation site, click below:
https://www.parks.ca.gov/?page_id=28353

Other Monterey Dive Sites

The Monterey area is blessed with multiple dive sites for shore diving.



One of the most widely visited websites is the Monterey Scuba Board. This website details various dive sites with information on location, parking, experience level required, depth and entry.

To visit this dive site click on the following link:
<http://www.montereyscubaboard.com/monterey-dive-sites>

Boat Diving on the Escapade



Your BAUE membership allows you to explore the Monterey Bay Area aboard the Escapade. Boat charters cater to both Tech and Rec Divers.

New BAUE members are encouraged to sign up and meet fellow GUE/BAUE divers. Doubles are not mandatory on non-tech boats. Many members, including our current president use single tanks for the recreational charters.

Standard GUE gas mixtures are required for all charters. Tech charters required a minimum of a Tech 1 rating; Rec charters require a minimum of a Fundies Rec rating.

To sign up, look for Robert Lee's email which is sent out each quarter detailing the tentative dates for both Rec and Tech charters. Select your dates and then sign up on the BAUE forums here: <http://www.baue.org/forums/showthread.php?p=3979>.

When the boat charters signups have been finalized you should receive a confirmation email. You can also check who is on the Q3 2019 Escapade schedule by going here: https://docs.google.com/spreadsheets/d/195riXQXZS24ep42cCX_h-NxaLMcVHiPCUiEPvktZRyk/edit#gid=166469842.

To pay for your boat reservation be sure to register and put your credit card on file *before the dive* using the link: <https://app.timetrade.com/tc/login.do?cmd=direct&process=login&process2=login&entry=Signin&level=&urlstring=divecentral&step=Welcom e&method=signin>

Travel

**SEPT
1**



THIRD ANNUAL BAUE COZUMEL TRIP Labor Day Week, Sept 1st - 7th, 2019

Take an exciting trip and experience Cozumel using double tanks with 32% or Trimix. Six days of diving with other GUE divers on a private boat. Each day includes two long dives with a reasonable surface interval. Cost includes hotel, breakfast, lunch and boat. Equipment rental and gasses are additional. Gas cost are similar to local Cozumel prices.

10 people per trip.

\$1250 package

Contact: betonavab@gmail.com

32% Gas Package

32% Package	Recreational Diver	Tech Diver
1 Doubles 32%	First Dive with doubles	Use stage bottom and part of double for first dive
1 Stage of 32%	AL80 32% is used to top off doubles	Rest of doubles for second dive

Trimix Gas Package

Trimix Package	R3/T1 Divers	T2 Divers
1 Doubles with 21/35	First Dive with Doubles and Deco Bottle	First Dive with Bottom stage and Deco Bottle
1 Stage of 21/35	AL80 used to top off doubles	Use what's left of Doubles from first dive
2 Deco bottles	One per dive	One per dive

New Members & Certifications

From Q1 2018 to Present



New Members

Brian Clayton
Travis Scheft
Dmitri Tioupine
Louise Wholey
Paul Festa (returning)
Stergios Roumeliotis
Denise Rempel
Dennis Byrne
Josh Painter
Adam Woodbury
Dhaval Giani
Matthew D. Teachout
Rafael Langer-Osuna
Mudit Duggal
Maggie Cunningham
Marco Magarelli
Erik Chan
Bobby Baxter
Session Mwamufiya
Rupert J Mayer
Sebastian Sanne
Kevin Schapansky
Matthew Vandercook

New Certifications

Fundamentals

Brian Strauss	Louise Wholey
Erik Chan	Marco Magarelli
Johnathan McCormack	Adam Woodbuy
John C. Kim	Dhaval Giani
Matthew D. Teachout	Dennis Byrne
Tianxin Yu	Grace Chi
Stergios Roumeliotis	Thomas Geer
Boris Putanec	Deanna Chu
Kevin Schapansky	Tyler Geer
William Kraemer	Travis Scheft
Bronson Collins	Mary Kwan
Ryan Gilbert	Dmitri Tioupine
Mudit Duggal	Aaron Garfinkel
Marlin Gilbert	Brian M Cayton
Rafael Langer-Osuna	Andrew Benton
Andrew Ross Moynihan	Kamilya Amirova
	John Cast

Rec 3

Ushesh Desai
David Orain

Tech 1

Kresimir Mehic
David Murata
William Kraemer
Kevin Schapansky
Gavin Chilcott
Denise Rempel

DPV 1

Suzanne L Baird
Ushesh Desai
Joseph Klopp
Jason Wong

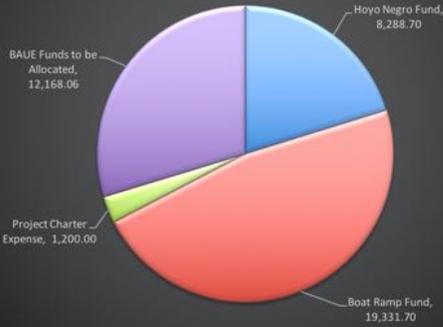
Tech 2

Cameron Wheeler
Josh Maxwell

Organization

BAUE Assets and Liabilities for Q3 2019

Earmarked Liabilities



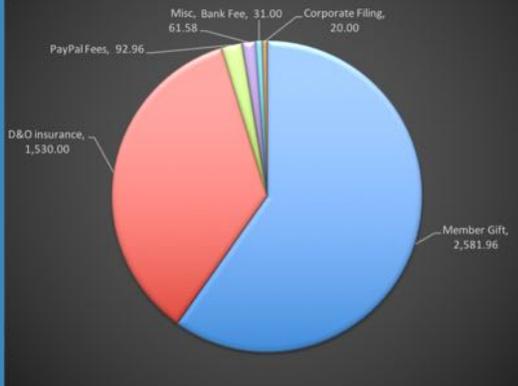
For 2019, BAUE assets totaled \$40988.46. Since BAUE is a nonprofit organization, earmarked liabilities must equal the assets. The breakdown of the earmarked liabilities are as follows:

Hoyo Negro Fund	\$8288.70
Boat Ramp Fund	\$19331.70
Project Charter	\$1200.00
Funds TBD	\$12168.06

Total Liabilities	\$40988.46

BAUE Member Donations for 2019

Use of BAUE Donations and Contributions



For 2019, BAUE collected \$4317.50 from members who donated to the general fund. These funds were allocated as follows:

Member Gift	\$2581.96
D&O Insurance	\$1530.00
PayPal Fees	\$92.96
Misc	\$61.58
Bank Fee	\$31.00
Corporate Filing	\$20.00

Total	\$4317.50

Many Good but One Great Reason to Donate Yearly

1. Donations for 2019 can be earmarked and matched by BAUE up to \$5000 for the Point Lobos Boat Ramp Project

2. If you itemize deductions, you can list your dues as a charitable contribution. Contact slbaird@yahoo.com to obtain a tax letter.

3. Members enjoy participating in any BAUE activity especially the BAUE rec & tech boat dives



4. For 2019, each member will be given an Outdoor Research Hat at the BAUE Invitational Date TBD

BAUE BOARD



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John Heimann
john.heimann@oracle.com

Chief Project Officer
Alberto "Beto" Nava
betonavab@gmail.com



Treasurer
Suzanne "Suz" Baird
slbaird@yahoo.com



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Member
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Newsletter Editor
David Murata
murata_david@yahoo.com



Boat Organizers

Robert Lee



Clinton Bauder



Calendar & Call for Newsletter Ideas

The BAUE Invitational is Coming!

The BAUE Invitational is coming! Don't miss the opportunity to invite other divers outside the BAUE community to dive and learn about us. For 2019, an Outdoor Research hat will be distributed at the Invitational to all members. Look for upcoming announcements on the BAUE facebook website.



Calendar

Date	Day	Event
Aug 10	Sat	Escapade Boat Dive, Rec
Aug 17	Sat	Escapade Boat Dive, Tech
Aug 18	Sun	Escapade Boat Dive Tech
Aug 24	Sat	Escapade Boat Dive, Tech
Aug 31	Sat	Escapade Boat Dive, Rec
Sept 1 - Sep 7	Sun - Sat	BAUE Cozumel Trip
Sept 1	Sun	Escapade Boat Dive Rec
Sept 7	Sat	Escapade Boat Dive Rec
Sept 8	Sun	Escapade Boat Dive Tech
Sept 14	Sat	Escapade Boat Dive Tech
Sept 22	Sun	Escapade Boat Dive Tech
TBD	TBD	BAUE Invitational

JULY						
sun	mon	tue	wed	thu	fri	sat
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

AUGUST						
sun	mon	tue	wed	thu	fri	sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER						
sun	mon	tue	wed	thu	fri	sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Want to Contribute to the Next Newsletter?

Have an interesting story to tell?

Want to submit an article for the next newsletter or share your photos?

Would like to see a new regularly featured article?

Want to post an event for all BAUE members?

Need to point out an error in a previous newsletter?

Contact any of the *Board of Directors* on the previous page, or

Email: murata_david@yahoo.com

