

RFA 2023-0019  
Date Recv'd 4/3/2023

REDBUD HEALTH CARE DISTRICT  
REQUEST FOR ASSISTANCE (RFA)  
(Please Type or Print All Information)

1. Subject of Request Update Aging Dive Rescue Gear  
(Starting Date For New Programs) open
2. Requesting Organization NORTHSHORE FIRE DIVE TEAM
3. Street Address 6257 7<sup>th</sup> AVENUE  
City Lucerne Zip 95458  
Telephone 707-274-3100  
Web Site www.northshore-fpd.com  
E-Mail \_\_\_\_\_
4. Individual Accountable For Funds: Name JOHN RODRIGUEZ  
Title DIVE TEAM LEADER
5. Amount Requested (\$) 8000 Grant Period open
6. Background And Basic Information Regarding Organization  
(Use additional pages, as necessary, to fully describe information required)
7. Justification  
(Use additional pages, as necessary, to fully describe information required)
- 7.1 Intended Use Of Funds In Detail



**A PROBABLE TARGET IN MINUTES**

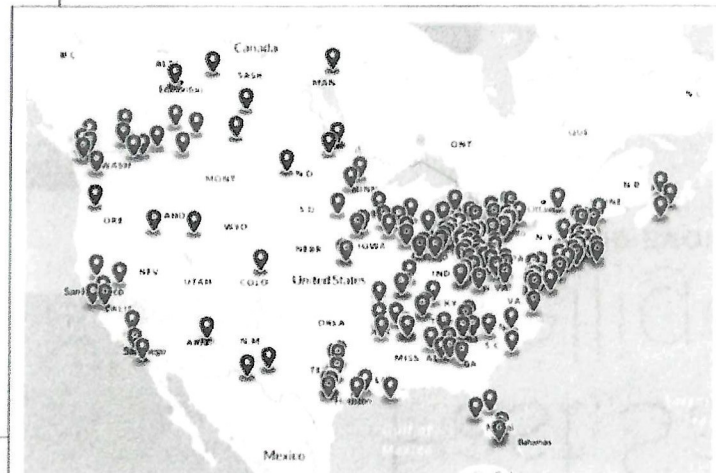
"On arrival, one of them immediately went into the water with the AquaEye® while the other was suiting up. He had a probable target on the AquaEye® in approximately three minutes [...]"

"From the time of arrival to location of the victim was only about 15 minutes. Total dive time, including initial investigation, was only 7 minutes."

Read more feedback at:  
[http://www.psdiver.com/finance/127\\_Issue\\_AquaEye\\_2\\_Ser.pdf](http://www.psdiver.com/finance/127_Issue_AquaEye_2_Ser.pdf)



Hundreds of teams are using AquaEye®.



AquaEye® Rescue and Recovery Teams

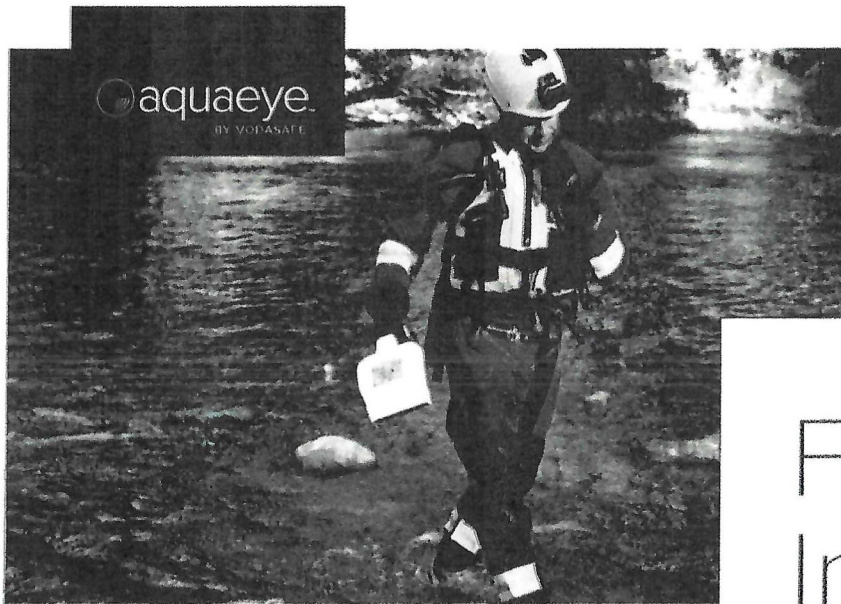
**AquaEye® Price**

<b>AquaEye®</b>	\$5,495
3 Year Service Plan	\$ 995
5 Year Service Plan	\$ 1,595
<b>Grant and Fundraising Support</b>	\$ Included
<b>Online Training</b>	\$ Included
<b>In Person Training</b>	\$ Contact for Details

*Pricing includes shipping and a one year warranty  
 Contact us for orders of 10 or more AquaEye®*

**AquaEye® Specifications**

<b>Sonar Range</b>	Up to 164ft (50m)
Long Range	32ft to 164ft (10m to 50m)
Medium Range	14ft to 65ft (4m to 20m)
Short Range	7ft to 32ft (2m to 10m)
<b>Depth Rating</b>	IP68. 15ft (5m)
<b>Battery</b>	Enclosed Lithium-ion Battery
Charge Time	2-3 Hours from Discharged
AquaEye® Charger	Wireless Charging Dock Included
Search Time per Charge	12 Hours of Active Search Per Charge
<b>Data Visualization</b>	Target Display and Echo Map Display
Target Display	Artificial Intelligence Based Priority Targeting
Echo Map Display	Raw Sonar Visualization — Full Colour Display
<b>Weight</b>	3lbs. - 14kg
<b>Warranty</b>	1 Year
<b>Display</b>	LCD Screen Auto-Illuminated
<b>Sonar Frequency</b>	100kHz to 400kHz
<b>Buoyance</b>	It Floats. 3lbs. - 14kg of Buoyance
<b>Storage Case</b>	AquaEye® Custom Hard Case Included



With AquaEye® your team searches faster, more accurately and with less risk.

# Fast. Safe. Intelligent.

## WATER RESCUE EVOLVED

Improve Your Team's Water Rescue Response:



### DEPLOY AQUAEYE® IN MINUTES

Reduce the need for high-risk water entries, and keep your team safer.



### SEARCH A LARGE AREA OF WATER IMMEDIATELY

With AquaEye®, a member can search 1 Acre of water while a dive team suits up for a targeted rescue effort.

## HOW AQUAEYE® WORKS



### SURFACE-DEPLOYED SONAR

To begin searching, AquaEye® is placed in the water and a search scan is completed in about a minute by moving AquaEye® in a left to right motion.



### PROPRIETARY ARTIFICIAL INTELLIGENCE

AquaEye® interprets complex sonar data using artificial intelligence specifically programmed to pinpoint potential rescue targets.



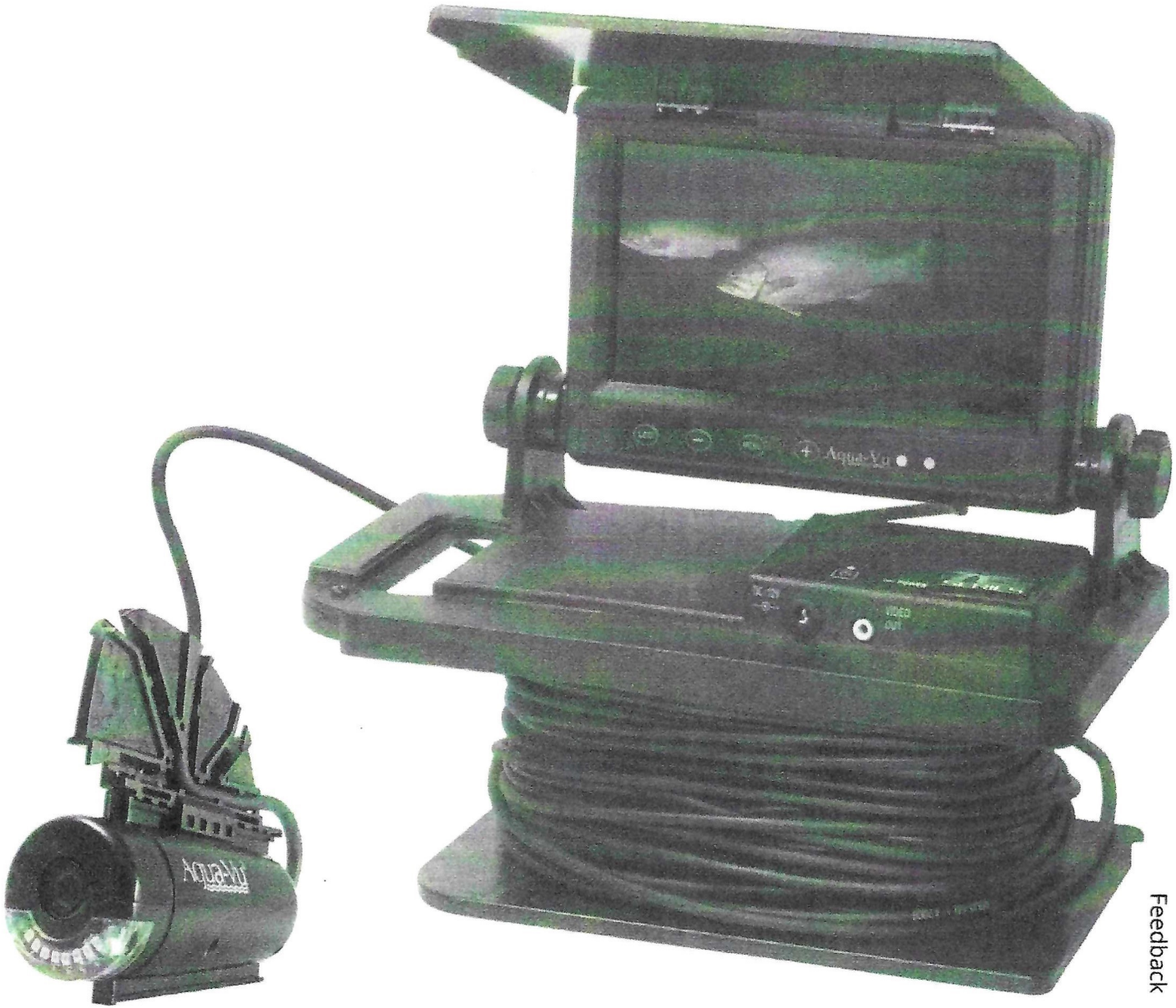
### IDENTIFIES HUMAN ECHOES

AquaEye® sends a sonar beam out 164 ft (50 m) through the search area. It's proprietary AI specifically identifies and displays echoes that indicate a human in the water.



### CLEARLY DISPLAYS TARGETS

High-priority targets are marked as an 'X' on the target display while more comprehensive sonar information is also displayed on an echo map.



Feedback



MIKE CIANCIO



Northshore Fire Dive Team was developed and put into service in 2004 with volunteers, the team consists of divers and support personnel. The team operates one support vehicle which carries all of our needed dive equipment, we also operate a pontoon boat which has many functions for our team, it's a dive platform where we do our search patterns from, we carry a portable pump on the boat which acts as a portable hydrant to supply water to the shore, also as a rescue platform for rescue operations. The Dive Team works hand in hand with the Lake County Sheriffs Boat Division on Clearlake along with all the 26 different lakes and ponds within the County. The Northshore Dive Team is the soul Dive and Recovery team for Lake County, not only do we provide closure to the families of a drowning victims we also recover sunken boats, vehicles which crash into the water, even vehicles that accidentally drive into Clearlake from launching mishaps.

Northshore Fire Protection District is the 3<sup>rd</sup> largest Fire District in the State of California per square miles of 357 also holding the largest natural lake in the state, with 100 miles of shoreline. There are a total of 26 lakes of all shapes and sizes within the county, the Dive Team has been deployed to many of these lakes such as Clearlake of course, Lake Pillsbury, Upper and Lower Blue Lakes, Hidden Valley Lake, and Highland Springs to name a few.

The reason we are coming to your organization is we are looking to update our search capabilities, most of our equipment is over twenty years old, newer technology is always evolving and we want to be able to advance with the times. With this updated equipment it will make us more effective as a team. Help in locating the missing person or object a lot quicker, which in turn boosts our morale and will give the family a quicker closure to loss.

We, as the Northshore Dive Team, are asking your organization to help us update our aging equipment, we are asking for a newer version of an underwater camera. It will allow us to take a quick look in real time and in color verses black and white, when we locate an object underwater. Normally when we find an object with our side scan, we must stop and anchor the boat and send a diver down to investigate, with the camera we can just drop it into the water and obtain that information within minutes of its discovery. Which in turn allows us to be that more effective in our operations.

The second item we are looking to add to our resources is a handheld scanner, which allows us quickly to scan an area close to shore. In waterfront rescues, every second counts, which is why AuqaEye is designed for grab and go situations. Normaly when we do shore operations, we spend a lot of our time in setting up for the operation, with the use of this device all we have to do is get into water and start scanning with this device, as soon as we locate the missing person we can deploy a diver to the exact spot in a matter of minutes verse hours.

In recap the Northshore Fire Dive Team is asking The Redbud Health Care District to help the team update its aging equipment. We are looking to update our outdated underwater camera with a new and improved version, which will include the option to hook up a monitor screen that we currently have or



MIKE CIANCIO



The other device we would like to add to resources is the AquaEye handheld scanner, which allows us to scan an area near shores and docks quickly and effectively, without wasting time in setting up search patterns and personnel which take time.

The Northshore Fire Dive Team appreciates your time and consideration in the approval of these much-needed funds for the team to be the most effective and reliable resource this county of ours can offer its residences and its many visiting friends of water activities. Once again, we appreciate all your dedication and time, Thank You.