# **HUMMINBIRD SONAR TECHNICIAN**



SHAWNEE, KANSAS WITH THE SHAWNEE FIRE DEPARTMENT

JULY 27-28, 2021

### WHAT YOU NEED TO KNOW

**OBJECTIVE** 

This course trains teams to utilize Humminbird Side Scan Sonar maximizing department financial and personnel resources for underwater search missions.

**IUSTIFICATION** 

This training readies agency personnel for underwater searches using side scan sonar. Humminbird sonar units are cost effective and extremely versatile. Any response team expected to perform underwater searches benefits from this training.

**CERTIFICATION** 

**Humminbird Sonar Technician** 

**RECOMMENDED FOR** 

Anyone who responds to public safety underwater search events including divers and shore support.

**DURATION** 

2 Days / 16 training hours

**TUITION** 

\$365.00 (US Funds) per student.

**BE SURE TO BRING** 

US Coast Guard approved PFD with knife and whistle, adequate clothing and protection from the environment and pen and paper for note-taking and sketching.

**COURSE DEVELOPMENT** 

Black Laser Learning, Inc. is a side scan and synthetic aperture sonar (SAS) technology company specializing in distilling complex technological subject matter into easy-to-understand, practical knowledge. Black Laser Learning training programs are designed for the military, Search and Rescue, and scientific communities.





#### **TOPICS**

Sonar Technology
Sonar Frequencies
Range vs. Resolution
GPS and Sonar
Sonar Shadows and Reflectivity
Sonar Imagery
Searching for Evidence and Weapons
Where to Search
Marking Targets
Saving Data
Post Mission Analysis
Mastery of the Humminbird Unit
Field Operations



### **SCHEDULE**

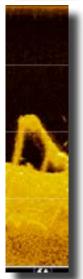
### DAY 1 of 2

8:00-8:30 Registration 8:30-12:00 Classroom 12:00-1:00 Lunch 1:00-5:00 Classroom

DAY 2 of 2

8:00-5:00 Field Exercises







### **LOCATION OF CLASS**

SFD Station #72 5840 Renner Rd Shawnee, KS 66217

CLASS BEGINS AT 8:00 AM

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S H A W N E E , K A N S A S J U L Y 27-28, 2021

### **MAKING IT HAPPEN**

STUDENT PREREQUISITES •

At least 18 years of age

Member of a public safety agency

**TRAVEL** 

Check with Dive Rescue International and confirm class before making airline reservations.

CANCELLATION •

Prior to 3 weeks: Full Refund 8-21 days prior: 50% Refund 0-7 days prior: No refund



### **SUGGESTED ACCOMMODATIONS**

Courtyard by Marriott 17250 Midland Dr Shawnee, KS 66217

### **AIRPORT**

Kansas City International (MCI)
35 minutes



ONLINE www.DiveRescueIntl.com

IN PERSON OR BY POSTAL SERVICE 201 N Link Ln Fort Collins, CO 80524

> BY PHONE (800) 248 - 3483 X. 18

> > FAX THIS FORM (970) 482 - 0893



### PLEASE REGISTER ME

First Name	Last Name	_
Mailing Address		_
Best Phone	E-mail	_
Department	Department Phone	_
Payment Information (	Credit Cards will be charged or Invoices will be sent 2 weeks before cla	ass)
	Personal Card Department Card	
Credit Card Number	ExpCVC	_
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Name on Card	Phone Number	_
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Purchase Order Numbe	rPlease provide Dive Rescue International a copy of the PO	
Finance Department Ph	one Number	_
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Finance Department E-	mail Address	