



# Search and Recovery

**Course Instructor:** Al Schumer, Northwest Diving Institute ([www.nwscuba.org](http://www.nwscuba.org))

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**Course Type:** Search and Recovery

**Course Tuition:** \$175.00      **Required Text:** S & R Specialty Manual

## Session One

**Session Type:** Orientation      **Session Location:** Alki Beach

**Session Date:** Saturday, October 30, 2010      **Session Time:** 1:00 PM

**Specifics:** We'll meet at the Alki Crab & Fish Company to complete the necessary paperwork and go over the knowledge reviews, which include the following topics: planning, organization, and procedures of search and recovery diving; four benefits for learning recreational-level search and recovery skills; bottom topography and how it affects search and recovery; the procedure for determining the position of a sinking object when you are standing on shore; and, based on the weight of an object, when you use a lift bag for recovery.

We'll then head to the beach and gear up for our dives of the day.

## Session Two

**Session Type:** Open Water Dive      **Session Location:** Cove 3, Alki Beach

**Session Date:** Saturday, October 30, 2010      **Session Time:** After Interval

**Specifics:** We'll brief, conduct and debrief our first dive of the day emphasizing the following skills: demonstrate a methodical search of an area approximately 50 feet by 50 feet, or other dimensions for the same area of search to find a small submerged object; demonstrate a methodical search of an area approximately 100 feet by 100 feet, or other dimensions for the same area of search to find a submerged object not more than 25 pounds negatively buoyant; tie the following knots correctly while underwater wearing gloves: the bowline, two half-hitches and a sheet bend; and, demonstrate how to safely rig and bring to the surface an object not more than 10 kilograms/25 pounds negatively buoyant using an appropriate lifting device.

## Session Three

**Session Type:** Open Water Dive      **Session Location:** Cove 3, Alki Beach

**Session Date:** Saturday, October 30, 2010      **Session Time:** After Interval

**Specifics:** We'll take a minimum surface interval during which we'll swap out tanks and enjoy a warm snack.

We'll then brief, conduct and debrief our second and last dive of the day emphasizing the following topics: demonstrate the expanding square search for a submerged object in an area approximately 60 feet by 60 feet, or other dimensions for the same area of search; and, demonstrate how to use an appropriate lifting device to safely rig and bring to the surface an object found using the expanding square search pattern.

## Session Four


<b>Session Type:</b> <u>Open Water Dive</u>	<b>Session Location:</b> <u>Cove 3, Alki Beach</u>
<b>Session Date:</b> <u>Sunday, October 31, 2010</u>	<b>Session Time:</b> <u>1:00 PM</u>
<b>Specifics:</b> We meet back at the beach the next day for our final two dives.	
We will brief, conduct and debrief our first dive of the day which emphasizes the following topics: demonstrate the jackstay search for a submerged object in an area approximately 200 feet by 200 feet, or other dimensions for the same area of search; demonstrate how to use an appropriate lifting device to safely rig and bring to the surface an object found with the jackstay search method.	

<b>Session Five</b>	
<b>Session Type:</b> <u>Open Water Dive</u>	<b>Session Location:</b> <u>Cove 3, Alki Beach</u>
<b>Session Date:</b> <u>Sunday, October 31, 2010</u>	<b>Session Time:</b> <u>After Interval</u>
<b>Specifics:</b> We'll take a minimum surface interval during which we'll swap out tanks and enjoy a warm snack.	
We'll then brief, conduct and debrief our second and last dive of the day, and final dive of the class, emphasizing the following topics: organize, plan and conduct a search and recovery dive with a dive buddy; choose an appropriate search pattern and lifting method based on facts gathered about a lost object prior to a dive.	

<b>Final Session</b>	
<b>Session Type:</b> <u>Snack</u>	<b>Session Location:</b> <u>Alki Beach</u>
<b>Session Date:</b> <u>Sunday, October 31, 2010</u>	<b>Session Time:</b> <u>After Interval</u>
<b>Specifics:</b> After everyone is packed up, we'll meet back at the Alki Fish & Crab Company for a snack (optional) and to complete your certification paperwork.	
Congratulations, you are now a certified Search and Recovery Diver!	

<b>Equipment Required for this Course</b>		
<b>Item 1:</b> <u>Exposure Suit</u>	<b>Item 2:</b> <u>Snorkeling gear</u>	<b>Item 3:</b> <u>2 Tanks</u>
<b>Item 4:</b> <u>Regulator</u>	<b>Item 5:</b> <u>BCD</u>	<b>Item 6:</b> <u>Weights</u>
<b>Item 7:</b> <u>Compass</u>	<b>Item 8:</b> <u>Underwater Light</u>	

<b>Equipment Recommended for this Course</b>		
<b>Item 1:</b> <u>Dan Insurance</u>	<b>Item 2:</b> <u>Reel</u>	<b>Item 3:</b> <u>Lift bag</u>

<b>NOTES:</b>	This course is a good next step after Advanced Open Water and certifies you recover moderate-weight objects at recreational depths. This class will make you a safer and more confident search and recover diver and speed you along your way toward becoming a Master Scuba Diver and beyond.
	A natural follow-on to this class is my Underwater Navigation class, which will improve your compass skills and, therefore, the accuracy of your search patterns.