

DAVIS RESCUE PLATFORM-Part 2

By **Bill Davis, Rescue 3 Instructor Trainer**

I would like to address some questions that have been raised regarding two types of situations, working from an elevated bank and working in holes.

Should you encounter a situation where you would have to work from an elevated bank, the ladder will need to be raised on the bank side of the boat or platform. Cross and lash two paddles, using a square lashing. (Photo 1) Place the assembled paddles inside the boat on the bank side with the handles up and the paddle blades on the floorboard. Raise the ladder up to achieve the desired height to reach the crest of the bank and lash the paddle shafts to the ladder beams using square lashings.

Now secure the paddle shafts to the boat using whatever tie down points are available (Photo 2). Preinstalled D-rings are recommended. As illustrated, additional tie downs will be needed beyond the paddle assembly to secure the ladder beams to the boat. Some final adjustments will be necessary on both sides of the boat to achieve a secure system.

Adequate personnel will be needed to lower and raise this system over the bank.

The bank should be thoroughly examined prior to set up to insure that it is stable and not undercut. Limit the number of personnel working on the edge. While in operation, the end of the ladder should rest securely against the bank at all



Photo 1



Photo 2

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RESCUE 3 Instructor Trainer/Preceptor & Foreign Agents' Meeting



RescuePac Demonstration at IT/IP's Meeting Oct. 2005 in Elk Grove, CA

On October 8-10, 2005 the annual Rescue 3 Instructor Trainer/Preceptor Meeting was held in Elk Grove, CA. This year thirty-six were in attendance including agents from the United Kingdom, Benelux, Brazil, Austria, Columbia, and Canada.

The agenda on the first day was packed with a variety of subjects. A few of them were: A presentation by Jenny Miller on implementing the new *Quality Assurance Program*. Another, by Bill Davis told how the *International Rescue & Relief Program* is using Rescue 3's program. Chris Jonason gave a look at the *Chapin D. Clark Accreditation Program*. Dave Crago presented information on *Combat Search & Rescue in Columbia*. Then since many of those present had been deployed for either Hurricane Katrina or Rita (or both) a report on the lessons learned was of great interest.

The second day saw break-out sessions on subjects such as Walter Bucher presenting *Preplanning & Incident Management for Course Emergencies*; Keith Gillespie telling us about *Proctoring Pro-Qual Workshops*; Mark Hogan doing an update for teaching Rescue 3 Instructors' courses and more.

Committee meetings also continued with work being done on curriculum for the new WRT2 course; continued expansion of revisions on the

WRT; the development of the latest skill sheets for the Instructors' courses and new instructor teaching proficiency records for provisional to non-provisional; and the development of training for groups wanting instruction using breathing devices such as the RescuePac.

The third day was committed to hands-on activities. Paul O'Sullivan showed us rope skills taught in the United Kingdom as compared to what is taught in the United States. Keith Gillespie showed a way to catch a load on belay in a classroom environment. Terry Schukltheiss, from RescuePac, and Phil Turnbull demonstrated that device and let a few instructor trainers try it out.

While we did accomplish a great deal, we also managed to have a good time including networking and eating. At the annual Cal/Mex meal at Mike and Judy Turnbull's home, awards were also presented. Julie Munger received the *Rescue 3 Instructor of the Year Award*. Keith Gillespie received the *Rescue 3 Program Development Award*. Outdoor Images of Norway (Jan Gjeterud and Anett Sjursheim) received the *International Agency Award*.

All in all it was a successful meeting. Much was accomplished and plans were made for Rescue 3's continuing work of meeting the training needs of groups and individuals requiring water and rope instruction.



**Rescue 3 Award Winners:
Julie Munger & Keith Gillespie**

WATER CONTAMINATION HOW TO DEAL WITH IT!

By Gary Seidel and Brian Labrie, Rescue 3 Instructor Trainers

Rivers and streams have been flooding as long as water has flowed on the earth. As we have seen, floods can and do destroy property, homes, industries, businesses, and even carry off the rich topsoil, leaving the land barren. Floods can originate from rivers, lakes, and the ocean but history has shown that rivers are the primary cause of flooding. Floods associated with lakes usually occur from dam failure or overflowing river inlets. Ocean flooding is usually caused by high tides, severe winds, and occasionally tidal waves or tsunamis.



Nature provided one of the best ways of controlling floods in the grasses, trees, and other vegetation which grow on high lands where floods start. Each blade of grass holds some of the heavy rain that falls on the land, or melts from the winter's snow. The natural mountain soil environment of dirt and rocks allow the rainfall to percolate into the ground. The large scale development that has occurred in cities with flood control basins has greatly impacted the flood control system. First, it creates areas where water accumulates on top of an impervious surface and cannot percolate into the ground. Examples of this are streets, freeways, parking lots, and building structures. Second, these surfaces allow water to runoff at greater speeds. Third, the runoff contains environmental pollutants, such as: petroleum products from roadways, fertilizers and pesticides from lawns and farmlands, animal excrements, and runoff from industries legal and illegal.



With the aforementioned information in hand, as well as reviewing lessons learned from Incident Commanders at flooding incidents, we find that floodwaters can pose significant environmental hazards. This should motivate us to conduct water sampling to identify specific hazards and to establish decontamination for our personnel who enter the water.

Therefore, our fire department has made it a policy anytime a member enters the water (for rescue purposes and occasionally training), water samples will be taken and decontamination of the personnel and equipment will be initiated. In other words, we treat a water rescue incident as a hazardous material incident and make it imperative to establish preventative care of our personnel, in the event they contract an illness/disease.

By working with our local water treatment facilities, clean water services and sewer treatment facilities, we have established which the tests that are necessary and which sampling kits will be required. The water testing and test samples are evaluated for: violent organic chemicals, cyanides, mercury, base neutral-acid extractable, pesticides and herbicides, heavy metals, and for fecal-coliform.

Sampling procedures that water rescue personnel follow are those used by water treatment facilities,

The Rescuer

"Davis" continued from Page 1

times. Personnel that are tending the ladder and the upstream belay should be tied off in case of a bank collapse. The tenders would be safest to sit or lie down away from the edge while holding the ladder or belay line.

When working in a hole or low head dam, a symmetrical type inflatable craft is recommended. An IRB (inflatable rescue boat) will work but the users must be constantly aware of the orientation of the current in relation to the rear transom of the boat. If an IRB comes to rest with the current pushing against the rear transom, the boat will swamp. While working in a low head dam, an IRB will have to be moved

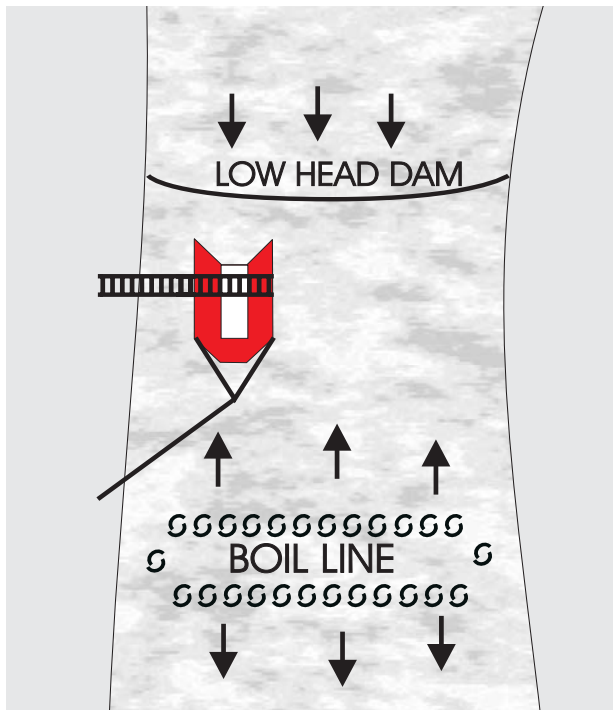


Diagram 1

into position from the bank between the face of the dam and the boil line (see diagram 1). You will be unable to move back and forth across the boil line with an IRB. A symmetrical boat will be able to successfully perform this maneuver. However, bow and stern tethers are recommended when moving in and out of a low head or a large, strong hole (see diagram 2). For obvious reasons, any contact with the face of the dam or hole should be avoided.

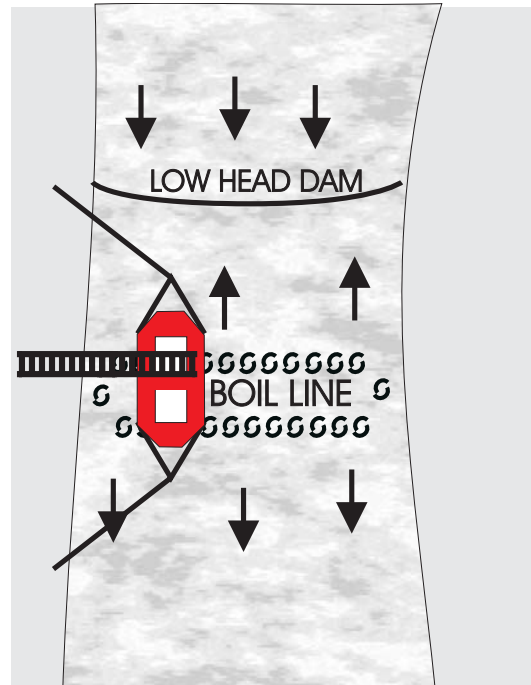


Diagram 2

It is well advised that these systems be practiced and that your boat is properly rigged prior to performing this on an actual rescue or demonstrating it in a class.

I would like to thank those that have provided feedback and I would appreciate any further information or photos regarding experiences, variances, etc. Forward any correspondence to Bill Davis at P.O. Box 483, Chico, Ca. 95927 or wrescue@chico.com.

We've Moved

Traffic and parking were insane at our old address, so we have relocated to the country. We are still just a few miles from Elk Grove and Sacramento. Call for driving directions and come visit us!

Mailing address	Physical address
P. O. Box 1050	11084-A Jeff Brian Ln
Wilton, CA 95693	Wilton, CA 95693

Local phone - 916-687-6556
Toll free phone is the same - 800-457-3728
Local fax - 916-687-6717 Toll free fax 888-457-3727

“Water Contamination” continued from Page 3

clean water services and sewer treatment facilities. The objective of our water sampling is to collect a minimum quantity of samples, which represent the conditions we find ourselves in at the time of the incident. We record all pertinent information about the water sample: date and time sample taken, name of sampler, sample identification, water conditions at



time of incident, source of water way, diagram the location of the incident and where the sample was taken from. Using tape and grease pencils, each container is labeled with the above information. One additional step at the rescue site is to conduct a **PH** test and provide that information to the laboratory as well. A work-order request form provided by the testing agency is completed for all of the samples being turned in to the laboratory. The samples taken at the incident site are stored in an ice chest, being careful not to allowing the sample to become submerged in

melted ice. All samples are delivered to the laboratory by fire department personnel in an attempt to maintain a chain of custody. Our timeframe is to get these water samples to the laboratory within an hour, if possible.

As far as decontamination procedures, all equipment, tools, vehicles are rinsed off with clean water and any visible contaminates are removed with soap and clean water. If the equipment/tools/vehicle needs further decontamination then a bleach solution can be used (30cc Sodium Hypochlorite 5% per gallon of water).

As soon as exposed personnel exit the water, they are rinsed with clean water and soap. They then remove their PFD's, helmets, dry-suits, booties, gloves, etc., which will be decontaminated, as mentioned above. Once completed the personnel then wash their hands and face with clean water and antimicrobial soap. The final step, depending on where a warm dry shower facility is located, is to completely shower off, again with antimicrobial soap. Other procedures are to swab the ears and nose and rinse the eyes with a sterile solution. Most of these procedures are not new, but follow guides established by the Center of Disease Control publications on health hazards during flooding. As stated at the beginning of this article, these steps were lessons learned from responses to flooding incidents, including those used most recently at Hurricane Katrina. These procedures can hopefully prevent potential illnesses or disease. If illness does occur, the correct treatment will aid in a speedy recovery.

George's Toolbox--McNett Saturna Outdoor Knife

By George Lewis, Rescue 3 Instructor Trainer

Pro's: Very low profile knife. Attaches easily to life jacket using wire ties. Positive lock. Easy to remove from sheath. Comes in two colors for you fashionable folks. Has an attachment point for a light tether. Very inexpensive.

Con's: Sheath is very hard plastic. I have seen some of this break apart from the main frame. Knife will come out of



sheath on its own (a small rubber band can help prevent this). Available in blunt tip only.

I haven't really had a chance to put the blade to the test. Don't know how well it will hold an edge. The factory edge is very sharp. You get what you pay

for. For the money, this knife will go in the toolbox.

Corporate Office Contacts

In the past few months the corporate office has gone through quite a few personnel changes. The following is a list of who does what in the office, along with their e-mail addresses.

Rescue 3 Personnel

Gaile

- Title: Training Coordinator
- In charge of
 - Host agency program
 - Class bids
 - Program questions
 - Overseeing program development
- E-mail address: gaile@rescue3.com



Erin

- Title: Domestic Instructor Coordinator
- In charge of
 - US instructors
 - Class records
 - Class orders
 - Shipping & receiving class materials
- E-mail address: erin@rescue3.com



Tanya

- Title: Training Materials Coordinator
- In charge of
 - US instructors
 - Class records
 - Class orders
 - Shipping & receiving class materials
- E-mail address: tanya@rescue3.com



Support Staff

Amy

- Title: Production Assistant
- Duties
 - Produces manuals
 - Boxes training packets
 - Phones



New Book by Slim Ray, *Rescue 3 IT*

***Shock Troops of the Confederacy - The Sharpshooter Battalions of the Army of Northern Virginia* by Fred L. Ray**

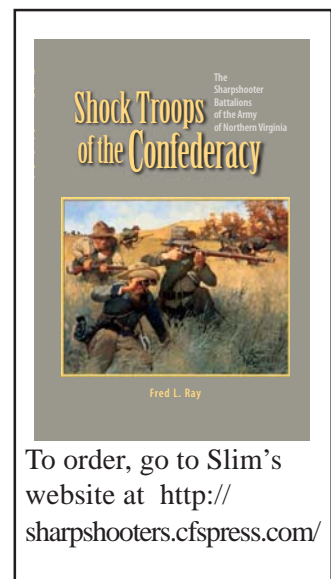
A comprehensive history of the elite troops of the Confederacy, as well as an essential reference for historians, enthusiasts, and reenactors.

- “A most welcome and long overdue study of a neglected subject.” - Jeffrey Wert, author of *The Sword Of Lincoln: The Army of the Potomac*.
- “Tells The story of the Army of Northern Virginia’s sharpshooter battalions here for the first time.” - Robert K. Krick, author of the *Smoothbore Volley that Doomed the Confederacy*.
- “Provides our first and most detailed to date look at the development of the concept and practice of Civil War sharpshooting.” - William C. Davis, author of *Look Away!: A History of the Confederate States of America*.

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6 x 9 inch hardback - 450 Pages, 43 Maps, 59 Illustrations, Footnoted / Indexed / Complete Bibliography, Publication date: Winter 2005

Regular Price \$34.95 ---- **Special Pre-Publication Discount Price \$25.00**



To order, go to Slim’s website at <http://sharpshooters.cfspress.com/>

Rescue Source Personnel

Katie

- Title: Purchasing Agent
- In charge of
 - Purchasing
 - Customer service
 - Order processing
 - Shipping/Receiving
- E-mail address: katie@rescuesource.com



Don

- Title: Customer Service
- Job duties
 - Customer service
 - Order processing
 - Shipping/Receiving
- E-mail address: don@rescuesource.com



Maggie

- Title: Customer Service
- Job duties
 - Customer service
 - Order processing
 - Shipping/Receiving
- E-mail address: maggie@rescuesource.com



Both Rescue 3 and Rescue Source

Mike

- Title: President, Rescue 3 Int'l. and The Rescue Source
- In charge of
 - New products
 - Technical questions
- E-mail address: mike@rescue3.com



Judy

- Title: Chief Financial Officer
- In charge of
 - Internal accounting
 - Internal operations
- E-mail address: judy@rescue3.com

Jenny

- Title: Director of Sales, Marketing and Foreign Markets
- Job duties
 - Foreign Instructor Coordinator
 - Advertising
 - Publications
 - Newsletter & Website
 - Rescue 3 class schedule
- E-mail address: jenny@rescue3.com



Kelly

- Title: Accounts Receivable
- In charge of
 - Handling funds from those who owe us money
 - Invoicing and statements
 - Third party billing
- Other job duties
 - Customer service
 - Order processing
 - Shipping/Receiving
- E-mail address: kelly@rescuesource.com



Paula

- Title: Bookkeeper/Finance
- In charge of
 - Accounts payable & collection of receivables
 - Approving credit applications
- E-mail address: paula@rescuesource.com

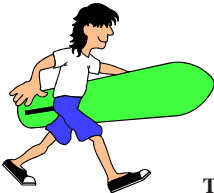


RESCUE 3 INTERNATIONAL

PO BOX 1050

Wilton, CA 95693

Surfin' the Web



- ◆ This is one of the best collections of Hurricane Katrina photos around. Many are available in high resolution (for a fee, of course) <http://www.katrinadestruction.com/>

The Rescuer provides these links for your information only and by doing such implies no endorsement of these sites, the material they contain, or the organizations they are sponsored by.

Calendar

- ◆ **February 21-23, 2006:** Firehouse World; San Diego, CA.
- ◆ **April 24-29, 2006:** FDIC East; Indianapolis, IN

*Rescue 3 will be at all of these shows.
Please come visit us!*

- ◆ **May 19-21, 2006:** Fire Expo; Harrisburg, PA.
- ◆ **May 24-27, 2006:** NASAR Conference; Austin, TX
- ◆ **July 27-29, 2006:** Firehouse Expo; Baltimore, MD.