

## Upcoming Event

Groundwater Resources Association of California, Sacramento Chapter

# AERIAL PHOTOGRAPHY INTERPRETATION WORKSHOP

May 17, 2003, 8am - 4pm  
Red Lion Hotel, Sacramento, CA

Dr. Brian Hausback, CSU Sacramento Geology Department Chair  
John Burgess, Project Manager, Cartwright Aerial Surveys, Inc

[REGISTER FOR THIS EVENT](#)

### SUMMARY



This is the second AERIAL PHOTOGRAPHY INTERPRETATION WORKSHOP offered by the Sacramento Chapter of the Groundwater Resources Association of California (GRA). The first Aerial Workshop was a huge success as measured by the comments from the participants during and after the workshop. The same instructors from the first workshop will also be teaching this time around. The Lead Instructor will be Dr. Brian Hausback, California State University Sacramento Geology Department Chair and the Digital Instructor will be John Burgess, Project Manager, Cartwright Aerial Surveys, Inc. Cartwright Aerial Survey, Inc. will provide the aerial photographs.

The workshop will start with an overview of aerial photography by Dr. Hausback. This introductory session will include a brief summary of how aerial photography was first developed and has progressed to its current form, the uses of aerial photography, a description of the features of aerial photographs, and how to review them. Another session of the workshop will be a digital aerial photography demonstration given by John Burgess. This demonstration will review how aerial photos can be digitized, then via use of a software program such as PhotoShop™, the aerial photos can be enlarged, enhanced, and maneuvered as needed in order to clarify details and better interpret the photos.

The main portion of the workshop will be seven hands-on practice sessions for participants to learn how to interpret aerial photographs. Each station will have an experienced teacher's assistant (TA) to help the participants learn how to review time-sequential, stereo aerial photos. A set of questions will be used by the participants with guidance from the TAs to focus learning about key features of each photo set. Examples of photos that will likely be included are fault investigations, landslides, gas stations, former air fields, manufacturing facilities, inundation zones, and dredge mining tailings.

### LOCATION & SCHEDULE



**Red Lion Hotel, Sacramento, CA, 1401 Arden Way**  
Phone: 916-922-8041: [www.RedLion.com](http://www.RedLion.com)

Check in will be from 8 a.m. to 8:30 a.m.  
The program will begin promptly at 8:30 a.m. and conclude no later than 4 p.m.

### REGISTRATION

Registration through April 18, 2003 is \$115 for GRA members, \$140 for non members and \$90 for college students. Late registration, add \$20. The course fee includes a workshop binder, coffee service with pastries, buffet lunch, and afternoon beverages. Participants need to provide their own stereo glasses or purchase a set for \$35 when registering. Because class size is limited to 50 attendees, early registration is encouraged.

**AERIAL PHOTOGRAPHY INTERPRETATION WORKSHOP**  
**Groundwater Resources Association of California, Sacramento Chapter**

**Saturday, May 17, 2003, Red Lion Hotel, Sacramento, CA**

REGISTRATION FORM

**Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Organization:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**TOTAL ENCLOSED** (Stereo Glasses: add \$35) \_\_\_\_\_ Check enclosed:  Credit card:  VISA  M/C  
 For payment information, see "How to Register" section below.

Name as it appears on card: \_\_\_\_\_ (Other credit cards not accepted)

Card # \_\_\_\_\_ Exp. Date: \_\_\_\_\_

I authorize this charge to my credit card. I understand the cancellation policy stated within this form.

Customer Signature: \_\_\_\_\_

**Registration Fee includes refreshment breaks, lunch, one copy of the workshop binder and a certificate of attendance.**

**MAY 17, 2003 WORKSHOP REGISTRATION FEES**

| Early Registration - through 4/18/03                                   |       | Late Registration - through 5/9/03<br>THERE WILL BE NO AT-THE-DOOR REGISTRATION |       |
|--|-------|---|-------|
| <input type="checkbox"/> GRA members                                   | \$115 | <input type="checkbox"/> GRA members  | \$135 |
| <input type="checkbox"/> Non GRA members                               | \$140 | <input type="checkbox"/> Non GRA members  | \$160 |
| <input type="checkbox"/> Registration plus GRA Membership <sup>1</sup> | \$180 | <input type="checkbox"/> Registration plus GRA Membership <sup>1</sup>          | \$200 |
| <input type="checkbox"/> Full time students                            | \$90  | <input type="checkbox"/> Full time students                                     | \$110 |
| <input type="checkbox"/> Stereo Glasses <sup>2</sup>                   | \$35  | <input type="checkbox"/> Stereo Glasses <sup>2</sup>                            | \$35  |
| <b>TOTAL</b>   |       | <b>TOTAL</b>  |       |

- 1) GRA members fee plus \$65 (\$10 savings on GRA Membership)  
 2) STEREO GLASSES WILL BE DISTRIBUTED AT THE WORKSHOP

**HOW TO REGISTER**

Register on line at <http://www.grac.org/Sacramento.html> or complete the registration form and pay by check or credit card:  
**Checks:** Make payable to Groundwater Resources Association of CA. Mail to Steve Phillips, U.S. Geological Survey, 6000 J Street, Placer Hall, Sacramento, CA 95819-6129. **Credit cards:** Fax to Steve Phillips, USGS at FAX: 916-278-3013. Registration will be confirmed via email, fax, or mail. Written cancellation requests received by GRA on or before May 9, 2003 will receive a full refund, less a \$25 processing fee. Refunds will not be given for cancellations after May 9, 2003. Substitutions will be accepted. Questions regarding registration: Call Steve Phillips (USGS) at 916-278-3002.

**WORKSHOP LOCATION AND SCHEDULE**

The workshop will be held at Red Lion Hotel in Sacramento, CA at 1401 Arden Way. Phone 916-922-8041 [www.redlion.com](http://www.redlion.com)  
 Check in will be from 8 a.m. to 8:30 a.m. The program will begin promptly at 8:30 a.m. and conclude no later than 4 p.m.

Please address registration questions to Steve Phillips (USGS) at [sphillip@usgs.gov](mailto:sphillip@usgs.gov) or 916-278-3002.