

## **DONALD W. MOORE PG, CHG**

Mr. Moore is a registered professional geologist in California and mapping, aerial photography, remote sensing, and GIS consultant with over 30 years experience.

### **EDUCATION:**

Bachelor Science, Geology, California State University, Chico, 1973

University of Southern California, Los Angeles: graduate work in reservoir engineering, Groundwater geology and oil well drilling technology

### **PROFESSIONAL REGISTRATION AND LICENSES**

Registered Professional Geologist, California #6076  
Certified Hydrogeologist, California #461  
Commercial Pilot, License #1591765  
California Well Drilling Contractor, License #331123

### **EXPERIENCE:**

#### **Geoimagery, Weed, California, Owner since 1983**

As a geologist and pilot, Mr. Moore established Geoimagery in 1983 to provide vertical aerial imagery and remote sensing as an alternative to traditional engineering vertical aerial photography systems. Geoimagery's high quality digital aerial imagery is used for remote sensing, land use planning, surface water mapping, habitat delineation, environmental assessments, and geologic and resource evaluations. Geoimagery provides its public, private and non-profit clients with high resolution vertical color, infrared digital photography, and image enhancement to produce high quality digital photographs, planning images to scale, rectified and projected images for GIS systems, orthophotographs, and matched image-to-map overlays for historical land use change evaluations.

Geoimagery specializes in remote sensing and image enhancement. Mr. Moore applies the specialized techniques of infrared photography, light filtration; narrow band pass photography, low sun angle, and post image-processing for feature enhancements that maximize the detection and interpretation of specific geologic, habitat and water features. The resulting images are rectified and scaled to register as overlays with other maps and GIS. Geoimagery specializes in corridor and stream or river aerial photography and image acquisition. The navigation and photography system enables photograph centers directly over streams to maximize viewable area between trees and other potential obstruction.

Geoimagery uses:

- A company-owned Cessna 182 aircraft modified with a camera belly hole for true vertical photography.
- Medium format/70mm cameras with high resolution digital sensors.

- Cameras that are vertically aligned in three axis, gyro stabilized, and vibration isolated on custom built camera mounts.
- GPS satellite navigation driving computerized camera controls.
- Infrared photography: Two identical cameras, one normal color and one modified to record in the near infrared, trigger simultaneously. The result are three aerial image products - a normal color photo, a black and white infrared photograph, and an optional ortho-registered, channel combination of the two to produce a false color infrared photo similar to the old Kodak color film infrared.
- An aerial image data acquisition system optimized for small sites of a few acres up to areas of 100 to 400 square miles.

Geoimagery provides aerial image acquisition for use in resource interpretation, remote sensing, geologic mapping, resource monitoring, wildlife habitat delineation, wetland surveys, botanical surveys, contaminant migration, and mineral resource surveys for various clients including:

U.S. Fish & Wildlife Service  
 U.S. Army Corp of Engineers  
 California Waterfowl Association  
 Ducks Unlimited  
 The Nature Conservancy  
 California Department of Fish and Game  
 Counties of Placer, Nevada, El Dorado, Humboldt  
 Andregg Geomatics, Inc.  
 SCO Engineering, Inc.  
 Nevada City Engineering, Inc.  
 ECORP Consultants, Inc.  
 Foothill Associates  
 North Fork Associates, Inc.

1977-1982: Mr. Moore owned and operated an air rotary drill rig and completed over 600 water wells, exploration, and test holes. Mr. Moore was responsible for choosing each water well location by using geologic techniques of air photo interpretation and surface geology.

1973-1977: Mr. Moore was a Geologist and Well Drilling Engineer, State of California, Lands Division where he was responsible for monitoring on-shore and off-shore oil and gas well drilling and for monitoring geothermal drilling operations in the Geysers Geothermal Field.