

**Mitchel S. Bornyas, PG, CEG**  
Geologist and Soils Consultant  
29115 Valley Center Road, #K-176  
Valley Center, CA 92082  
(760) 215-2396  
[Mitch@Strata-Vista.com](mailto:Mitch@Strata-Vista.com)

---

## **Resume**

Mr. Bornyas has over 15 years professional experience in the geosciences with specific areas of expertise in Quaternary geology, engineering geology, sedimentology, soil-stratigraphy, geomorphology and geoarchaeology. These skills have been applied to many investigations through his contribution as the lead geologist for studies involving commercial properties, residential communities, utilities, and public works projects throughout Southern California. This experience has led him to recognize land-use opportunities and constraints and to develop well-planned mitigation alternatives with geologically sound project design recommendations. In addition to having geotechnical expertise, he is a highly experienced soils-geomorphologist proficient at characterizing soils and landscape evolution, paleo-environment reconstruction, and determining the relative degree of post-depositional alteration for sedimentary deposits. He provides an interdisciplinary approach and has worked successfully with project team members to solve geological, archaeological, resource management, and engineering problems. He is adept at developing and managing projects utilizing methods that are both cost-effective and solution oriented.

## **Education**

1993            B.S. Geological Sciences, San Diego State University, California.  
1993-1997    M.S. coursework and research, Geological Sciences, San Diego State University, California.

## **Professional Credentials**

Certified Engineering Geologist, CA License # 2416, 2006  
Professional Geologist, CA License # 7973, 2005

## **Employment History**

Present	Independent Geologist and Soils Consultant
10/03-10/08	Project Geologist, Leighton and Associates, Temecula, California
2/97-10/03	Senior Staff Consultant, Earth Consultants International, Tustin, California
8/93-12/94	Staff Geologist, Woodward & Clyde Consultants, San Diego, California
12/91-2/97	Research Assistant, Quaternary Research Lab, Department of Geological Sciences, San Diego State University, San Diego, California

## **Project Experience**

### **Geological/Geotechnical**

As a California licensed Professional Geologist and Certified Engineering Geologist, Mr. Bornyas has performed geological and geotechnical investigations for public, commercial/industrial, and residential clients throughout California. He has conducted and participated in numerous EIR and geotechnical investigations for public, residential and commercial developments which have included slope stability and liquefaction analysis, fault location studies/seismic risk analysis, and geotechnical evaluations. He has an extensive background in identifying and evaluating land-use constraints and developing recommendations for mitigation of the potential impacts of geologic conditions at the design stage of projects. He is experienced in the site-specific investigation of the physical and chemical soil properties influencing the engineering characteristics of geologic deposits.

Select Geological and Geotechnical Investigations include:

#### *Public Works / Institutions*

- Victorville Landfill Expansion, Victorville, CA - Fault Hazard Investigation, Field Geologist
- Anza Sanitary Landfill, Anza, Riverside County, CA - Deep Groundwater Contaminate Monitoring Well, Sighting and Design, Project Geologist
- Proposed 1.8 M.G. Water Tank Reservoir, Avocado Mesa, Riverside County, CA - Preliminary Geotechnical and Landslide Hazard Investigation, Project Geologist
- Hemet-Ryan Air Attack Fire Facility Revitalization, Hemet, Riverside County, CA - Geotechnical Investigation, Project Geologist
- San Bernardino Valley College Building Expansion, San Bernardino County, CA. - Fault Hazard Investigation. Project Geologist
- Geologic Safety Element of General Plan Update, Riverside County, CA - Staff Geologist

#### *Commercial & Industrial*

- Multiple Commercial Sites in Southwestern Riverside County, CA - Geotechnical Investigations, Project Geologist
- Scott Road Widening and Re-alignment, Murrieta, Riverside County, CA - Preliminary Geotechnical Investigation, Project Geologist
- Ivy Street Bridge, Murrieta, CA - Preliminary Geotechnical Investigation, Project Geologist
- San Manuel Water Bottling Facility, Highland, CA - Field Geologist

#### *Residential*

- Tejon Ranch Specific Plan, Kern County, CA - Geologic Hazard Investigation, Project Geologist
- Park Hill Specific Plan, Proposed 318-Acre Residential Development, San Jacinto Area of Riverside County, CA - Geotechnical Investigation, Project Geologist
- Quail Ranch, 585-Acre Proposed Residential Development, Moreno Valley Area, Riverside County, California - Geotechnical Investigation, Project Geologist

## **Geoarchaeological**

Mr. Bornyasz has been a consulting soils-geomorphologist for numerous archaeological investigations. His contributions to archaeological studies typically include: site geological characterization and depositional context, paleo-environmental reconstruction, site integrity/disturbance assessments, and determining the relative ages for geologic deposits containing cultural materials.

Select Archaeological Projects include:

- Harris Site Archeological District, SDI-316 and SDI-4935b, San Dieguito River Valley, San Diego County, CA
- Fort Rosecrans, Ballast Point SDI-48, Point Loma, San Diego, CA
- Black Mountain Ranch Development, SDI-4832, 4833, and 4842, San Diego, CA
- Red Beach/Las Flores Creek, Sites SDI-812h, LP-1, LP-2, SDI-10723, Marine Corps Base, Camp Pendleton, CA
- Santa Margarita River Valley, SDI-12628 and SDI-10156, Camp Pendleton Marine Corps Base, CA
- Multiple Archaeological sites in the Tijuana River Valley, San Diego County, CA
- Multiple Sites along the North Baja Pipeline Project, Imperial County, CA
- Coral Mountain Park, RIV-1715, PR-1, and PR-2, City of La Quinta, Riverside County, CA
- Archaeological Site ORA-83, located on Bolsa Chica Mesa, Orange County, CA
- Multiple Archaeological sites along coastal Santa Barbara County, CA
- Geoarchaeological sensitivity assessments for residential developments and quarrying operations, Eastern Sacramento County, CA
- Geoarchaeological assessment for proposed 4,000-acre power generation facility, Desert Center area of Mojave Desert, Riverside County, CA

## **Ecological**

Mr. Bornyasz has conducted soil surveys and pedologic studies for biological habitat site assessments. The soil surveys involve subsurface investigation combined with aerial and field mapping to characterize the soil series that are present and delineate their distribution and variability.

Ecological Projects include:

- Soils Survey for Three Parcels, Intersection of 6th Street and Haven Avenue, City of Rancho Cucamonga, CA
- Soils Survey for the 31-Acre Site of Proposed Water Storage Tank Facility (Jurupa Community Services District), Jurupa Hills, Riverside County, CA
- Pacific Pocket Mouse Translocation Receiver Sites - Soil Habitat Study, Six proposed receiver sites in San Diego and Orange Counties, CA
- Stephens' Kangaroo Rat Preserve, March Air Reserve Base, Riverside - Soil Characterization Study, Riverside, CA