

OVERVIEW

C2Earth, Inc. (formerly Upp Geotechnology), is a privately held, minority owned, small business with offices in Santa Clara and Santa Cruz counties. Our registered professional geologists and professional engineers perform geotechnical engineering and engineering geologic services throughout the greater San Francisco and Monterey Bay areas. We have decades of combined experience providing geologic and geotechnical engineering services for a wide variety of projects, ranging from small residential additions to multi-million dollar slope stabilization and critical infrastructure projects (such as schools and hospitals). Our key personnel have California licenses in civil engineering, geotechnical engineering, geology, engineering geology, and hydrogeology.

MISSION AND VALUES

We provide geotechnical engineering and engineering geologic consulting services for various aspects of site evaluations, including initial site development feasibility, distress evaluation of existing structures, geologic hazard analysis, geotechnical site characterization, engineering design, and construction observation. Our guiding principles include:

- Performing high quality services and technical work
- Developing practical, constructable and cost-effective solutions
- Providing timely service and responsiveness to our clients
- Committing to professional and client education

Clients choose C2Earth because we are experienced and licensed as both engineers and geologists, and because we are well respected by local and state reviewing agencies. Through our understanding of the impacts of geology on engineering, and vice-versa, we help our clients effectively manage the geologic site conditions and mitigate potential geologic hazards. We protect our clients' interests by being thorough and detailed in our work.

LOCATIONS

San Francisco Bay Office: 750 Camden Avenue, Suite A, Campbell, CA 95008 | 408.866.5436

Monterey Bay Office: 523 Capitola Avenue, Suite B, Capitola, CA 95010 | 831.425.5436

Mr. Reid has performed a variety of engineering geologic and geotechnical engineering studies within the greater San Francisco Bay Area and beyond since early 2000's. Mr. Reid is experienced, educated, and licensed as both a geologist and engineer. His project experience includes: engineering geologic and geotechnical site characterizations, landslide evaluations, liquefaction analyses, groundwater level determinations, fault location and seismic hazard assessments, and construction-related geotechnical and engineering geologic evaluations. More specifically, he has extensive experience assessing site geologic conditions and providing engineering mitigation measures for properties affected by landslides or earth movement. His primary responsibilities include: planning and management of geologic and geotechnical engineering evaluations, collaborating with the project design team, and supervising our staff of geologists and engineers during the course of construction for the purpose of successfully completing our clients' projects. In addition to his professional accomplishments, Mr. Reid is also a private pilot and enjoys traveling to new locations and observing earth processes from the above.

EDUCATION

M.S. Civil Engineering (Geotechnical Emphasis), San Jose State University (2007)
B.S. Geological Engineering, University of Wisconsin, Madison (2001)
B.S. Geology, University of Wisconsin, Madison (2001)

PROFESSIONAL REGISTRATIONS

California Professional Geologist #7931
California Certified Engineering Geologist #2471

California Professional Engineer (Civil) #74259
California Registered Geotechnical Engineer #3060

SELECTED PROJECT EXPERIENCE

Over 200 Residential Projects, Greater Bay Area, CA
Vierra Property Fault Study, Santa Cruz County, CA
Santa Clara Development Hayward Fault Study, Fremont, CA
Scenic Drive Landslide Investigation, La Honda, CA
Lansing Site Restoration and Re-development, Woodside, CA
Belford Residence Coastal Erosion, Moss Beach, CA
Peninsula Habitat for Humanity Projects, San Mateo County, CA
Willowcreek Landslide, Watsonville, CA
Hibbard Properties Landslide, Portola Valley, CA
American Institute of Mathematics, Morgan Hill, CA
Reef Point Road Coastal Erosion, Moss Beach, CA
Suncrest Avenue Fault and Landslide Study, San Jose, CA
Las Cumbres Mutual Water Company Tank Site Study, Los Gatos, CA
Amdahl Residence Landslide Study and Repair, Fremont, CA
Creekside Villas Condominium Distress Mitigation, San Jose, CA
Fairwood Park Condominium Distress Mitigation, San Jose, CA
Achiever Christian School, San Jose, CA
Greenridge Terrace Fault Study, Los Gatos, CA
Wat Lao Buddhist Temple Fault Study, San Jose, CA
Cal Water Service Insurance Study, San Carlos, CA
Silver Creek Homeowner's Association, San Jose, CA
Terrabay Development, South San Francisco, CA

Las Cumbres Mutual Water Company, Los Gatos, CA
Los Trancos Water District, San Mateo County, CA
VB Golf New Building, Foster City, CA
Aldercroft Heights Water District Bridge, Los Gatos, CA
Creekside Homeowner's Association, Pacifica, CA
CSAA Insurance Studies, Various Locations, CA
Satellite Health Property Redevelopment, San Jose, CA
Bell Property Fault Study, Santa Clara County, California
Bluefin Capitol Distressed Property Repairs, San Jose, CA
JT Associates Litigation Support, San Jose, CA
Saf-Keep Storage Litigation Support, Fremont, CA
Willow Village Homeowner's Association, San Jose, CA
Association of California Water Agencies, Los Altos, CA
Sandhu Fault Study and Site Development, Fremont, CA
Leteroff Property Landslide and Geotech. Studies, Portola Valley, CA
R&R Investments Pavement Distress, Fremont, CA
California Crest HOA Settlement and Distress, Newark, CA
Ortiz Landslide Mitigation, Hillsborough, CA
Portola Valley Development Hillside Home, Portola Valley, CA
Rakib Landslide Mitigation and Litigation Support, Saratoga, CA
Zaghi Steep Slope Development and Fault Study, Los Gatos, CA
Salinas Valley Solid Waste Authority Wells, Gonzales & Prunedale, CA

ASSOCIATIONS

Association of Engineering and Environmental Geologists (AEG)
American Society of Civil Engineers (ASCE)
American Institute of Professional Geologists (AIPG)
California Geotechnical Engineering Association (CalGeo)
Engineers Without Borders (EWB)

San Francisco Geo-Institute (SFGI)
Chi Epsilon – Civil Engineering Honor Society
Powers-Knapp Scholar
Ronald E. McNair Scholar

SELECTED PRESENTATIONS AND PUBLICATIONS

2017 UW-Madison GLE Conference, A Ten-Year Long Project Involving a Venture Capitalist, His Multi-Million Dollar Ridge-Top Home, and a Town's Daunting Building Codes
2016 AEG National Meeting, Localized Differential Foundation Movement within the Willow Glen area of the Santa Clara Valley, California
2009 AEG National Meeting, Lake Tahoe, Landslide or Not a Landslide Presentation
2007 AEG National Meeting, Los Angeles, Riprap Bluff Protection and Emergency Foundation Underpinning at a Seaside Property Presentation
2005 AEG National Meeting, Las Vegas, Failures Of Two Temporary Construction Cuts And Their Mitigation

Since the late 1990s, Mr. Hundemer has performed a variety of geologic and geotechnical engineering studies in the greater San Francisco and Monterey Bay areas, Southern California, Montana, and has consulted for international projects. His project experience includes: geologic and geotechnical site characterization for new construction and distressed properties; landslide studies; fault location and seismic hazard assessments; forensic litigation support; and construction-related geotechnical assessments. His typical responsibilities include the planning and management of geologic and geotechnical engineering investigations; collaborating with project engineers, design team members, and reviewing agencies; being a lead investigator for distressed properties or geologic hazard impacted sites; performing research and providing expert opinions and testimony; and the supervision of our staff of geologists and engineers during the study or construction phases of a project.

EDUCATION

B.A. Economics, University of California, Santa Cruz (1996)
B.A. Earth Sciences, University of California, Santa Cruz (1996)
M.S. Earth Sciences, University of California, Santa Cruz (1998)
M.S. Civil Engineering (Geotechnical Emphasis), San Jose State University (2007)

PROFESSIONAL REGISTRATIONS

California Professional Geologist #7524
California Certified Engineering Geologist #2314

California Certified Hydrogeologist #882
California Registered Civil Engineer #87149

SELECTED PROJECT EXPERIENCE

Over 400 Residential Projects, San Francisco and Monterey Bay Areas
SFUSD Geologic Studies (over 20 school sites), San Francisco, CA
Laney College Geologic Study, Oakland, CA
Ross School Geologic Study Ross, CA
Santa Rosa Junior College Geologic Study, Santa Rosa, CA
San Bruno Fire Emergency Response Services, San Bruno, CA
50 Los Gatos-Saratoga Road Fault Investigation, Los Gatos, CA
Masonic Homes Fault Study, Union City, CA
Santa Clara Development Hayward Fault Study, Fremont, CA
Kleis Property Fault Study and Site Development, Los Gatos, CA
Lieu Quan Buddhist Ctr. Fault and Liquefaction Study, San Jose, CA
Alcatraz Rock Slope Eval. and Construction Obs., San Francisco, CA
Central Subway Geologic Study, SF MUNI, San Francisco, CA
Scenic Drive Landslide Investigation, La Honda, CA
Young Ranch Development, Santa Clara County, CA
Highland Estates Subdivision EIR, San Mateo County, CA
Ascension Heights Subdivision EIR, San Mateo County, CA
Laurel Way Subdivision EIR, Redwood City, CA
Peninsula Habitat for Humanity Projects, San Mateo County, CA
3710-3760 Bayshore Blvd. Geologic Study, Brisbane, CA
Guadalupe Valley Quarry Geologic Evaluation, Brisbane, CA
San Francisquito Creek Levee Repairs, East Palo Alto, CA
Coldstream Subdivision Geologic Study, Truckee, CA
Willowcreek Landslide Study and Construction Obs., Watsonville, CA
333 Harrison St. Housing Proj. Geotechnical Study, San Francisco, CA

Tiffany Park Estates Fault, Landslide, and Geotech. Study, Fremont, CA
Claremont Drive Landslide Repair, San Bruno, CA
Penitencia Water Treatment Plant Geologic Evaluation, San Jose, CA
310-320 Esplanade Avenue Bluff Failure Evaluation, Pacifica, CA
San Mateo Executive Park Geotechnical Studies, San Mateo, CA
The Club at Spanish Peaks Geologic Studies, Big Sky, Montana
El Rancho Escondido Winery Geologic Studies Santa Catalina Island, CA
Fehr Property Seacliff Erosion Geotechnical Study, La Selva Beach, CA
EBMUD Geologic Litigation Support (over 10 cases), Bay Area, CA
KAINOS Assisted Living Center, Geotech. Studies Redwood City, CA
John Muir Medical Center Geologic Study, Walnut Creek, CA
Kentfield Rehab. and Specialty Hospital Geotech. Study, Kentfield, CA
Mercy Retirement and Care Center Geologic Study, Oakland, CA
Sutter Maternity and Surgery Center Geotechnical Study, Santa Cruz, CA
Ventura County Medical Center Geologic Study, Ventura, CA
San Francisco General Hospital, Geologic Evaluation, San Francisco, CA
McDowell Road Slope Repair Study, Fort Mason, San Francisco, CA
Bay Area National Park Radio Tower Studies, National Park Service
Castlewood Country Club Geologic and Geotech. Studies, Pleasanton, CA
PG&E Substation Geologic Study, Woodside, CA
PG&E Transmission Towers Geologic Scour Analysis, Santa Maria, CA
Waste Water Treat. Plant & Jail Solar Geotech. Studies, Lake County CA
Petro-Peru Refinery Geologic Study and Tsunami Eval., Talara, Peru
Vista Grande Drainage Tunnel Geologic Study, San Francisco, CA
Upper Alameda Creek Dam Geologic Study, Sunol, CA

ASSOCIATIONS

Association of Engineering and Environmental Geologists (AEG)
American Society of Civil Engineers (ASCE)
American Institute of Professional Geologists (AIPG)

California Geotechnical Engineering Association (CalGeo)
San Francisco Geo-Institute (SFGI)
Chi Epsilon – Civil Engineering Honor Society

SELECTED PRESENTATIONS AND PUBLICATIONS

2018 AEG National Meeting, San Francisco, CA, Alcatraz Island Field Trip Speaker
2016 AEG National Meeting, Kona, HI, Subsidence and Ground Deformation in the Willow Glen area of San Jose Presentation
2013 AEG National Meeting, Seattle, WA, Alcatraz Rock Slope Stabilization Case Study Presentation
2009 AEG National Meeting, Lake Tahoe, NV, Fault Investigation Case Study Presentation and Landslide Investigation Case Study Poster Session
2005 AEG National Meeting, Las Vegas, NV, Landslide Study and Repair Case Study Presentation
2002 AEG National Meeting, Reno NV, Expansive Claystone Bedrock Case Study Presentation
2001 AEG National Meeting, St. Louis, MO, Settlement and Expansive Soil Case Study Presentation
2000 AEG National Meeting, San Jose, CA, Landslide Investigation Case Study Presentation