

**ERIC B. GUNTHER**  
*AECOS Inc. and AECOS Consultants*

Eric B. Guinther is an ecologist/botanist and aquatic biologist with 40 years of experience conducting environmental studies throughout the central Pacific Basin. His responsibilities at AECOS include corporate and project management, as well as the production of environmental survey reports, water quality assessments, and plant and animal identifications. His educational background encompasses geology and botany in addition to his major area of study in invertebrate zoology. In recent years, Mr. Guinther has been involved mostly with conducting surveys assessing the distribution of aquatic biota, conducting plant surveys to document potentially sensitive species (native or listed species), and interpreting water quality data to assess the impact of projects on the natural environment.

Mr. Guinther has conducted marine, terrestrial, and coastal zone surveys for AECOS throughout the Hawaiian Islands and in other parts of the western and central Pacific, including Guam, American Samoa, Kwajalein Atoll, Canton Atoll, Fanning Atoll, Christmas Island, Yap, Saipan, Tinian, Palau, and Japan. He has completed numerous terrestrial botanical and aquatic resource (streams and wetlands) surveys in the Hawaiian Islands. Mr. Guinther was project manager, editor, and one of several writers for the U.S. Army Corps of Engineers sponsored surveys of reef resources around American Samoa (ASCRI), Oahu (OCRI), and Maui (MICRI); he was the cartographer for the coastal zone atlases developed for the Hawaii programs. He has worked with a team to update the bibliographies from these early planning documents, released as the Hawaii Coral Reef Bibliography (HCRIB), has produced a similar bibliography covering terrestrial aquatic environments (HAWAQUA), and more recently released a bibliography of water quality studies in the Islands for the Office of State Planning (CZMWQDIR).

Mr. Guinther's experience includes both terrestrial and marine realms. He conducts terrestrial vegetation surveys, wetland delineations, aquatic wildlife surveys in and around streams, and assesses various project impacts on wetlands, streams, and coastal marine waters. Recent projects underway or completed include managing surveys and preparing the ecological report for the U.S. Army Drum Road project on Oahu, wetlands inventories for the U.S. Navy around all of Pearl Harbor and on all Navy properties on Guam and Tinian, a survey and assessment of impacts of a proposed golf course on Babaldaob, Republic of Palau, and numerous botanical surveys for private clients on Maui, Hawaii, Oahu, and Kauai. He was a technical advisor to the TMDL studies for Kawa, Kaneohe, and Waikele streams funded by the State of Hawaii, Dept. of Health, and is recently served as botanist for stream improvements under an Army Corps project involving Honolulu urban stream (Manoa and Palolo streams) and an assessment of the impacts of invasive plants on Kawai Nui Marsh on windward Oahu.

He is an active participant at Na Pohaku o Hauwahine in Kailua, a community project to restore native vegetation and marsh habitat in Kawai Nui Marsh. He is very interested in developing the potential of the World Wide Web as an information source, and has served as webmaster for the National Association of Environmental Professionals (NAEP), Hawaii AEP, Kawai Nui Heritage Foundation, Ahahui Malama I Ka Lokahi, AECOS Inc., Central Pacific Island Environments (CPIE), and Koolau.net (community watersheds web site).

#### Education

University of the Pacific, B.A. Biology. 1965.

University of the Pacific, graduate studies. 1965-1967.

University of Hawaii, graduate studies. 1967-1973.

#### Positions and Experience

1983 to present - Principal and President, AECOS, Inc.

1982 to 1983 - Principal and Corporate Treasurer, AECOS, Inc.

1974 to 1981 - Biologist and Vice President, AECOS, Inc.

1972 to 1974 - Benthic Biologist, AECOS, Inc.

1970 to 1973 - Research Assistant, University of Hawaii.

1967 to 1970 - Teaching Assistant, University of Hawaii.

1964 to 1967 - Teaching Assistant, University of the Pacific.

#### Languages

German (no longer fluent)

Kiribati (no longer fluent)

#### Selected Reports, Surveys, and Studies:

Guinther, E. 2007. Diamond Head rockfall mitigation, Endangered Plant Species Survey. Prep. for Earth Tech, Honolulu. AECOS No. 1138: 8 pp.

Guinther, E. 2007. A wetlands reconnaissance survey along Keanu'i'omano Stream at Hawaii Preparatory Academy, Wai'aka, Hawai'i. Prep. for Bely Collins & Assoc. AECOS No. 1143: 11 pp.

Guinther, E., and R. David. 2007. Biological survey in support of an Environmental Assessment for drainage improvements and rockfall mitigation at Waimalu Wells I site, 'Aiea, O'ahu, Hawai'i. Prep. for SEY Engineers, Honolulu. AECOS No. 1145: 13 pp.

Guinther, E. B. 2007. Majuro ARFF natural environment description. In: *Draft Environmental Impact Assessment. ARFF (Aircraft Rescue & Fire Fighting Facility), MAJ (Amata Kabua International Airport), Majuro, Republic of the Marshall Islands*. Prep. for Eugene P Dashiell, AICP, Honolulu. AC062: 31 pp.

Guinther, E. B., and L. Bremmer. 2007. 'Akoko restoration project, Kalaeloa, 'Ewa District, O'ahu. Year 04 Quarter 1 progress report. Prep. for Earth Tech, Honolulu. AECOS No. 1103E: 19 pp.

- Guinther, E. B. 2006. Botanical resources report for alternative municipal refuse disposal sites on the Island of O'ahu. Prep. for R. M. Towill. AC065: 40 pp.
- Guinther, E. B., and R. David. 2006. Natural resources surveys for a proposed new Tinian sanitary landfill, Tinian Island, CNMI. Prep. for Wil Chee Planning, Inc., Honolulu. AECOS No. 1118: 28 pp.
- Guinther, E. B., S. A. Cattell, and J. S. Mello. 2006. Preconstruction water quality summary report and proposed water quality sampling plan, Turtle Bay Resort Master Plan Development, Kahuku, Oahu, Hawaii. Prep. for Turtle Bay Resort. AECOS No. 1119A: 34 pp.
- Guinther, E. B., J. Moye, and S. A. Cattell. 2006. Studies relevant to restoration efforts in Kawai Nui Marsh. KBAC RFP RT-01-06 (Stream/Wetlands Restoration). Prep. for Kailua Bay Advisory Council (KBAC).
- Guinther, E. B. 2006. Botanical survey in support of consolidation of radio towers and removal of poles along the north rim of Diamond Head, Oahu, Hawaii. Prep. for SSFM, Honolulu. AECOS No. 1100: 9 pp.
- Guinther, E. 2006. Final water quality summary for algae-reduction protocols at the State Capitol Reflecting Pools, Honolulu Hawai'i. Prep. for Architects Hawaii. AECOS No. 1068C: 18 pp.
- Burr, S. E., E. B. Guinther, et al. 2005. Commonwealth of the Northern Mariana Islands (CNMI) wetlands report. State of the wetlands and recommendations for new wetlands policy. Prep. for CNMI Coastal Resources Management Office and CNMI Wetlands Task Force. AECOS No. 1077: 89 pp.
- Guinther, E. B., R. David, and S. J. Montgomery. 2005. Biological assessment support for the remedial investigation/feasibility study (RI/FS), Waikane Valley Training Area, Windward Oahu. Prep. for Donaldson Enterprises Inc. (DEI). AC050: 31 pp.
- Guinther, E. 2004. 2003 Report on the Kahuku shrimp company NPDES and ZoM annual monitoring program. AECOS 754D: 15 pp.
- Guinther, E. 2004. Biological and water quality observations at the State Capitol Reflecting Pools, Honolulu Hawai'i. Prep. for Architects Hawaii. AECOS No. 1068A: 16 pp.
- Guinther, E. 2003. Water Quality and Health Issues. A discussion paper outlining goals and directions for water quality measurements in Pu'uloa Lagoon, Iroquois Point Naval Housing on O'ahu. Prep. for Sea Engineering Inc. AECOS No. 1044A: 8 pp.
- Burr, S., and E. B. Guinther. 2003. Coastal and Marine Resources Survey of Kagman Peninsula, Saipan, Commonwealth of the Northern Mariana Islands for the Kagman Waste Water Treatment System. Prep. for SSFM International. AECOS No. 1025: 27 pp.
- Guinther, E., and R. David. 2003. Biological surveys in support of Remedial Investigations at NRTF Lualualei and NCTAMS Wahiawa, O'ahu. Prep. for Earth Tech, Honolulu. AECOS No. 1019: 20 pp.
- Guinther, E., and R. David. 2003. Descriptive report on an isolated wetland at Makena State Park, Makena, Maui with consideration to wetland enhancement options. Prep. for Pacific Rum Land, Inc. AC036: 20 pp.

- Guinther, E., et al. 2003. Natural resources surveys at the former Opana Point Bombing Range and Makawao Gunnery Range on windward Maui. Prep. for Donaldson Enterprises, Inc. AC032: 31 pp.
- Guinther, E. B. 2002. Adequacy of nearshore marine environmental studies and surveys conducted for the Kukuiula Planned Community. Prep. for Rana Productions Ltd. AECOS Consultants No. AC029: 7 pp.
- Guinther, E. B., and R. Douglas. 2002. Fringing reef communities along routes proposed for a dredged spoils pipeline configuration related to the Kaneohe Safeway Aroclor 1260 cleanup, Kane`ohe Bay, O`ahu. Prep. for Belt Collins Hawaii Ltd., Honolulu for Safeway Inc., Environmental Department. No. 928H: 11 pp.
- Guinther, E. and R. David. 2002. Biological surveys in support of a Remedial Investigation at the former Building 4 Pesticide Shop, Naval Magazine Pearl Harbor, Lualualei Branch, Oahu, Hawaii. Prep. for Earth Tech, Denver. AECOS No. 1005.
- Guinther, E. 2001. Aquatic resources survey for the HECO Waiau Power Generating Station on East Loch of Pearl Harbor, O`ahu. Prep. for Wilson Okamoto & Assoc., Honolulu. 961A: 15 pp.
- Guinther, E. 2001. A wetland boundary determination for the Waipahu Ash Landfill Closure, Waipahu, O`ahu. Prep. for Wil Chee - Planning, Honolulu. AECOS No. 987A: 14 pp.
- Guinther, E., R. David, and D. Herbst. 2001. Natural resources assessment report, Waimea Trails and Greenways Project, Kamuela, Hawai`i. Prep. for Gerald Park, Urban Planner. AECOS No. 920: 38 pp.
- Cattell, S. A., S. L. Coles, and E. Guinther. 2000. Review of water quality and biology in Kawaihae and Hilo Harbors for the Harbors 2020 Master Plan Implementation EIS. Prep. for R.M. Towill, Inc., Honolulu. AECOS No. 963: 32 pp.
- Guinther, E. 2000. Biological reconnaissance survey of the Marisco Industrial Subdivision at Kalaeloa Barbers Point Harbor on leeward O`ahu. Prep. for Marisco Ltd. and PlanPacific Inc., Honolulu. AC021: 13 pp.
- Guinther, E., and R. David. 2000. Biological resources survey for the Waikele Branch of the Lualualei Naval Ammunition Depot, Central O`ahu, Hawai`i. Prep. for Earth Tech, Inc. AECOS No. 945: 22 pp.
- Guinther, E. B. 2000. Arsenic in sediments and biological tissue samples from off the south coast of Moloka`i. 1999 annual monitoring results. Prep. for Brown & Caldwell Consultants. AECOS No. 688F: 30 pp.
- Guinther, E. B., S. A. Cattell, S. Siegel, and R. David. 2000. Ecological resources assessment for the Palau Golf Course in the State of Aimeliik, Babeldaob Island, Republic of Palau. Prep. for Wil Chee Planning, Inc. AECOS Consultants, Kaneohe, No. AC011: 142 pp.
- Guinther, E. B., and R. David. 2000. Biological resources survey for the Leeward Bikeway environmental assessment. Prep. for Earth Tech, Inc., Honolulu. AECOS No. 942: 33 pp.
- Guinther, E. B. 1996. Sea Turtles at Kaupoa on West Moloka`i. Prep. for Molokai Ranch, Honolulu. AECOS No. 869: 4 pp.

Guinther, E. B. 1989. Impacts assessment for the Mauna Lani Cove development with regard to humpback whales. In: *Final Supplemental Environmental Impact Statement. Mauna Lani Cove, Mauna Lani Resort, South Kohala, Hawaii*. Prep. for Mauna Lani Resort, Inc., Kohala Coast, Hawaii. AECOS No. 588: 8 pp.