

Jay Minoaka Kakela Stone, P.E., BCEE, CFM, CPESC, CPSWQ,  
CESCPP, CWPPP, ESCPC, LEED AP

Sep 2012–present Belt Collins Hawaii LLC/Bowers + Kubota Consulting, Inc.\*  
Honolulu, HI

**Senior Associate/Civil Engineering Manager (January 2023 to present)\***

**Associate/Civil Engineering Senior Manager (January 2022 to December 2022)\***

**Civil Engineering Senior Manager (April 2021 to December 2021)\***

- Manage department of 34 staff, including recruitment, performance, budget, profit, and business development for revenue target of \$10M annually

**Vice President/Director of Engineering (May 2020 to April 2021)**

- Manage department of 33 staff, including recruitment, performance, budget, profit, and business development for revenue target of \$8M annually

**Senior Associate/Chief Engineer (April 2016 to May 2020)**

- Managed department of 21 staff, including recruitment, performance, budget, profit, and business development

**Senior Associate/Senior Project Manager/Civil & Environmental Engineer (September 2012 to March 2016)**

- Supervised two direct reports

**Other Duties**

- Responsible for development and implementation of short- and long-term strategic plan and vision for engineering department
- Managed and designed a variety of infrastructure and environmentally sustainable projects, focusing on stormwater management, green stormwater infrastructure, best management practices, water treatment and distribution, wastewater treatment and collection, and dredging
- Wrote proposals to federal, state, and county agencies and private and international clients
- Prepared permit applications and addressed regulatory requirements for federal, state, and county permits
- Prepared engineering conceptual designs and calculations for transit-oriented development plans, master plans and redevelopment plans of domestic and foreign developments and private and government projects
- Managed and designed a variety of infrastructure and environmentally sustainable projects, focusing on stormwater management, best management practices, water treatment and distribution, wastewater treatment and collection, and dredging
- Wrote proposals to federal, state, and county agencies and private and international clients
- Prepared permit applications and addressed regulatory requirements for federal, state, and county permits
- Conducted sewer condition assessments in compliance with consent decree requirements
- Prepared engineering conceptual designs and calculations for master plans and redevelopment plans of domestic and foreign developments and private and government projects

Nov 2001–Sep 2012 Oceanit

Honolulu, HI

**Manager, Environmental Engineering and Planning**

- Managed 10-person section
- Developed strategic vision and business plan for engineering department
- Developed and tracked budget and balanced scorecard for engineering department
- Wrote proposals to federal, state, and county agencies and private and international clients

- Managed and designed a variety of infrastructure and environmentally sustainable projects, focusing on stormwater management, best management practices, environmental restoration, water treatment and distribution, and wastewater treatment and collection

**Jan–Nov 2001 Belt Collins Hawaii Honolulu, HI**  
**Senior Civil Engineer**

- Designed road, drainage, and dredging projects for private clients
- Designed Whole Barracks Renewal at Wheeler Army Airfield for USACE

**Jan 1993–Dec 2000 GMP Associates, Inc. Honolulu, HI**  
**Environmental Engineer**

- Managed and designed wastewater treatment, solids handling, and water treatment projects
- Trained wastewater treatment plant operators

**Education:**

1993 University of Notre Dame, graduated cum laude B.S., Civil Engineering  
 B.A., English

**Licenses and Certifications:**

- P.E., Civil Engineering, Hawai'i
- Board Certified Environmental Engineer, Water Supply and Wastewater (BCEE)
- Certified Floodplain Manager (CFM)
- Certified Professional in Erosion and Sediment Control (CPESC)
- LEED Accredited Professional (LEED AP)
- Certified Professional in Storm Water Quality (CPSWQ)
- Certified Water Pollution Plan Preparer (CWPPP)
- Erosion and Sediment Control Plan Coordinator (ESCPC)

**Professional Memberships:**

- Water Environment Federation and Hawai'i Water Environment Association (Stormwater Committee Co-Chair)
- American Water Works Association
- International Society of Automation
- International Erosion Control Association
- American Academy of Environmental Engineers and Scientists (State Representative)
- Certified Professional in Erosion and Sediment Control
- Association of State Floodplain Managers
- American Public Works Association
- California Stormwater Quality Association
- American Society of Civil Engineers
- Project Management Institute
- Envirocert International (Strategic Advisory Council and State Representative)

**Training:**

- Sanitary Surveys of Public Water Systems
- Pipeline Assessment and Certification Program (expired)
- Manhole Assessment and Certification Program (expired)
- First Aid and CPR
- Fall Protection
- HAZWOPER (expired)
- OSHA 10-hour Safety
- Confined Space Entry
- Data Quality Objectives
- How to Handle Difficult People
- Effective Project Management
- How to Write User Manuals

**Computer Skills:** AutoCAD; Adobe Acrobat; Microsoft Excel, Word, PowerPoint, Project

**Presentations:** Kalaeloa Desalination Facility; Kalaeloa Desalination Facility Pilot Study; Effective Field Data Collection Using Mobile Devices; Stormwater BMPs Selection, Operation, and Maintenance; Sanitary Surveys of Water Systems; Basic Water System Operator Math; Urban Stormwater Retrofits in Honolulu; Case Studies Kaka'ako Catch Basin Retrofits, Sheridan Street/Kapi'olani Boulevard Bioretention Cell, and South Street Bicycle Lane Permeable Pavement and Pavers

**Other Experience:** Instructor for Water Technology Education Program at University of Hawai'i at Mānoa Outreach College; MILCON projects at Apra Harbor WWTP; Various NAVFACHI projects for general civil engineering services (current IDIQ contract); Sanitary Surveys of US Navy and USMC drinking water systems in Diego Garcia, Singapore, Japan, and Okinawa; USACE Honolulu District projects (expired IDIQ contract); expert in USACE permitting, Section 401 water quality certifications, and compensatory mitigation process, especially in regards to lost functions and services of corals

**References:**

Lee Mansfield  
Hawaii American Water Company



Curt Leonard  
Draper Laboratory



Dayananda Vithanage  
Oceanit



Tina Sprague  
Aoyama Distribution



\*Job title changed due to acquisition of Belt Collins Hawaii LLC by another consulting firm. Belt Collins Hawaii LLC company name changed to Bowers + Kubota Consulting, Inc.

**Specialized Experience**

***Sanitary Surveys of Drinking Water Systems***

**Belt Collins Hawaii LLC/Bowers + Kubota Consulting, Inc.**

**2023 Commander, Fleet Activities Chinhae (CFAC) and Commander, US Naval Forces Korea Headquarters Busan (CNFK HQ Busan) (Chinhae and Busan, Korea)**

Project manager. Assisted NAVFAC Pacific remotely with the sanitary survey of the water systems at CFAC and CNFK HQ Busan. Two installations, including groundwater wells, a water treatment plant, storage tanks, and distributions systems, will be inspected in July 2023. The services included data analysis, preparing the work plan, inspection schedule, Command briefing presentations, and draft and final sanitary survey reports.

**2022 Marine Corps Base (MCB) Camp Smedley D. Butler, Marine Corps Air Station (MCAS) Futenma (Okinawa, Japan)**

Project manager and lead sanitary surveyor. Assisted NAVFAC Pacific with the sanitary survey of the water systems at MCB S.D. Butler and MCAS Futenma. Twelve different installations, including a conventional pressure sand filter water treatment plant, were inspected over a eight days. The services included conducting the on-site sanitary survey of the water systems and preparing the work plan, survey questionnaires, inspection schedule, Command briefing presentations, and draft and final sanitary survey reports.

**2022 Commander, Fleet Activities Okinawa (CFAO) (Okinawa, Japan)**

Project manager and lead sanitary surveyor. Assisted NAVFAC Pacific with the sanitary survey of the water systems at CFAO. Four different installations, including storage tanks, pump stations, and distribution systems, were inspected over a four-week period. The services included conducting the on-site sanitary survey of the water systems and preparing the work plan, survey questionnaires, inspection schedule, Command briefing presentations and draft and final sanitary survey reports.

**2018 Marine Corps Base (MCB) Camp Smedley D. Butler, Marine Corps Air Station (MCAS) Futenma and Combined Arms Training Center (CATC) Fuji Sanitary Survey (Okinawa and Gotemba, Japan)**

Project manager and lead sanitary surveyor. Assisted NAVFAC Pacific with the sanitary survey of the water systems at MCB S.D. Butler, MCAS Futenma and CATC Fuji. Twelve different installations, including a

conventional pressure sand filter water treatment plant, were inspected over a four-week period. The services included conducting the on-site sanitary survey of the water systems and preparing the work plan, survey questionnaires, inspection schedule, Command briefing presentations and draft and final sanitary survey reports.

**2018 Commander, Fleet Activities, Sasebo Sanitary Survey (Sasebo, Japan)**

Project manager and lead sanitary surveyor. Assisted NAVFAC Pacific with the sanitary survey of the water systems at CFA Sasebo. The services included conducting the on-site sanitary survey of the water systems and preparing the work plan, survey questionnaires, inspection schedule, Command briefing presentations and draft and final sanitary survey reports. »

**2017 Sanitary Survey, Naval Support Facility (NSF) (Diego Garcia)**

Project manager and lead sanitary surveyor. Assisted NAVFAC Pacific with the sanitary survey of the water systems at NSF Diego Garcia in the British Indian Ocean Territory. The field work was done over a three week-period, which included preparing the work plan, comparing country-specific regulations against other Navy regulations and the National Primary Drinking Water Regulations, and conducting inspections including distribution system evaluation and water treatment system filtration and disinfection assessments. Membrane filtration and direct pressure sand filtration water treatment plants were inspected. A survey questionnaire, draft and final sanitary survey reports including identification of water system deficiencies and recommendations for improvement were prepared, along with NSF Diego Garcia command briefings and presentations of findings.

**2017 Singapore Area Coordinator Sanitary Survey (Singapore)**

Project manager and lead sanitary surveyor. Assisted NAVFAC Pacific with the sanitary survey of the water system at Singapore Area Coordinator. The project tasks included work plan preparation, survey questionnaire development, inspection schedule coordination, briefing presentations, on-site sanitary survey of the water systems, and draft and final sanitary survey report preparation.

**2014 Commander, U.S. Naval Forces Korea (CNFK) Pohang Tri-Service Hangar (TSH) Sanitary Survey (Pohang, Korea)**

Project manager. Assisted NAVFAC Pacific remotely with the sanitary survey of the water system at Commander, U.S. Naval Forces Korea (CNFK) Tri-Service Hangar (TSH) Pohang, Korea. The scope of services included preparing the work plan and survey questionnaire for the NAVFAC Pacific inspectors and assisting the inspectors with briefings and preparing the draft and final sanitary survey reports.

**Oceanit**

**Sanitary Survey of Honolulu-Windward-Pearl Harbor Water System (Hau'ula to Pearl City, HI) for the State Department of Health**

Project manager and lead sanitary surveyor for the inspection and assessment of over 300 wells, reservoirs, hydropneumatic tanks, pump stations, shafts, tunnels, springs, chlorinators, control valves, and aerators and recommendations for repairs.

**Sanitary Survey of Waipahu-'Ewa-Wai'anae Water System (Waipahu to Mākaha, HI) for the State Department of Health**

Project manager and lead sanitary surveyor for the inspection and assessment of over 80 wells, reservoirs, hydropneumatic tanks, pump stations, tunnels, chlorinators, and GAC treatment facilities and recommendations for repairs.

**Sanitary Surveys of Four Maui Public Water Systems (Wailuku, Makawao, Upper Kula and Lower Kula, HI) for the State Department of Health**

Project manager and lead sanitary surveyor for the inspection and assessment of over 160 wells, reservoirs, pump stations, stream diversions, ditch systems, and water treatment plants (conventional and microfiltration) and recommendations for repairs.

**Sanitary Surveys of North and South Kona Water Systems (Kailua-Kona, HI) for the State Department of Health**

Project manager and lead sanitary surveyor for the inspection and assessment of over 120 wells, reservoirs, and pump stations and recommendations for repairs.

### **Sanitary Survey of 'Ele'ele Water System ('Ele'ele, HI) for Alexander & Baldwin**

Project manager and lead sanitary surveyor for the inspection and assessment of a small private water system and recommendations for repairs.

#### ***Permitting***

### **Belt Collins Hawaii LLC/Bowers + Kubota Consulting, Inc.**

#### **Kapālama Container Terminal Wharf and Dredging Environmental Permits (Honolulu, HI), 2012 to present for the State Department of Transportation Harbors Division**

Project manager. Prepared all environmental permit applications for the New Kapālama Container Terminal (KCT) Wharf and Dredging project. The project permits and approvals processed include the Department of the Army (DA) individual permit under Section 10, 404, 408, and 103 authorities; Section 401 WQC; the NPDES General Permits for discharges of hydrotesting effluent and construction stormwater; State DOT Highways drainage system discharge permit; and CZM consistency. Conducted consultations with applicable State and federal agencies to address Section 7 of the Endangered Species Act (ESA), Section 106 of the National Historic Preservation Act (NHPA) and impacts to Essential Fish Habitat (EFH) of the Magnuson-Stevens Fishery Conservation and management Act (MSFCMA). Both ocean and upland disposal of dredged spoils was included in the DA individual permit. Over 80,000 coral colonies were destroyed by the project. Successfully argued that the permanent loss of coral and benthic habitat would be mitigated under the MSFCMA instead of the compensatory mitigation rule. Several coral colonies were transplanted prior to dredging to minimize impacts to corals. Prepared two modifications to the issued DA permit. One modification addressed the impact of a potentially invasive coral species, which prevented the transplantation of several colonies. The other DA permit modification addressed an alternative mitigation measure. Mr. Stone also acts as a technical advisor directly to the State DOT Harbors staff even though he is a subconsultant to a prime consultant.

#### **Ala Moana Regional Park Improvements (Honolulu, HI), 2017 to present for the City and County of Honolulu**

Permit writer. Prepared the DA permit application under Section 10 and 404 authorities, Section 401WQC, and CZM consistency for multiple separate design packages for various improvements at the park. These improvements included repairs to an existing bridge, new pedestrian bridges, repairs to existing drainage canal walls, and embankment stabilization for the Hawaiian and Japanese ponds. Because of a tight schedule bidding schedule, the DA permit application for coverage under multiple nationwide permits was completed in two weeks. The fill and dredge quantities and amount of embankment stabilization exceeded the maximum amounts allowed by the respective nationwide permits. Consequently, a variance to deviate from the respective permit limits was requested and a written justification for each exceedance was prepared. The variant was granted by the USACE District Engineer. Conducted consultations with applicable State and federal agencies to address Section 7 of the Endangered Species Act (ESA) and Section 106 of the National Historic Preservation Act (NHPA).

#### **Kīhei Boat Ramp Facility Maintenance Dredging (Kīhei, HI), 2018 to 2021 for the State Division of Boating and Ocean Recreation, Department of Land and Natural Resources**

Project manager. Prepared the DA permit application (Section 10 and 404), Section 401WQC, and CZM consistency for maintenance dredging of this facility. To minimize impacts to the existing coral colonies in the facility, these colonies were relocated within the facility. Conducted consultations with applicable State and federal agencies to address Section 7 of the Endangered Species Act (ESA), Section 106 of the National Historic Preservation Act (NHPA) and impacts to Essential Fish Habitat (EFH) of the Magnuson-Stevens Fishery Conservation and management Act (MSFCMA). The project avoided compensatory mitigation by relocating coral colonies within the boat ramp facility.

#### **Kahawainui Stream Maintenance Dredging (Lāi'e, HI), 2015 to present**

Project manager. Prepared the DA permit application (Section 10 and 404), Section 401WQC, and CZM consistency for maintenance dredging of this flood control project. Conducted consultations with applicable State and federal agencies to address Section 7 of the Endangered Species Act (ESA) and Section 106 of the National Historic Preservation Act (NHPA).

#### **'Āweoweo Street Drainage Outfall Valve Installation (Waiālua, HI), 2012 to 2019 for the City and County of Honolulu**

Project manager. Prepared the DA permit application (Section 10 and 404), Section 401WQC, and CZM consistency for the installation of a duckbill check valve, demolition of a portion of an existing drain line, and installation of a maintenance manhole. Conducted consultations with applicable State and federal agencies to address Section 7 of the Endangered Species Act (ESA), Section 106 of the National Historic Preservation Act (NHPA) and impacts to Essential Fish Habitat (EFH) of the Magnuson-Stevens Fishery Conservation and management Act (MSFCMA). Impacts to the habitat of the endangered Hawaiian yellow-faced bee were minimized during the consultation process by restricting access of construction equipment to only existing paths through naupaka.

#### **Oceanit**

#### **Hilo Harbor Pier 4 Dredging (Hilo, HI), 2006 to 2012 for the State Department of Transportation Harbors Division**

Project manager. The project permits and approvals processed include the Department of the Army (DA) individual permit under Section 10, 404, and 103 authorities; Section 401 WQC; and CZM consistency. Conducted consultations with applicable State and federal agencies to address Section 7 of the Endangered Species Act (ESA), Section 106 of the National Historic Preservation Act (NHPA) and impacts to Essential Fish Habitat (EFH) of the Magnuson-Stevens Fishery Conservation and management Act (MSFCMA). Ocean disposal of dredged spoils was included in the DA individual permit. Via a subconsultant, bioassay and chemical testing of the dredge sediment were conducted to confirm suitability of the spoils for ocean disposal. USACE determined that compensatory mitigation was required to offset the permanent loss of coral colonies. A compensatory mitigation plan was prepared to address this permanent loss of corals.