

**Education** M.S., Civil Engineering, Stanford University, 1970  
B.S., Mechanical Engineering, Stanford University, 1966  
B.S., Economics, Claremont Men's College, 1966  
Graduate Work in Hydrology, University of California at Berkeley, 1977-1978  
Graduate Work in Physical Oceanography, University of Hawaii, 1970-1972

**Registration** Professional/Civil Engineer – Hawaii #03878, 1975  
Certified Diver – Hawaii

**Affiliations** American Society of Civil Engineers  
American Water Works Association

**Expertise** Groundwater and Surface Water Development  
Hydraulics and Water System Design  
Flood Control and Drainage  
Coastal Engineering

**EXPERIENCE**

1989 –Present President	<b>Tom Nance Water Resource Engineering - Honolulu, Hawaii</b>
1972 – 1989	<b>Belt Collins &amp; Associates - Honolulu, Hawaii</b>
Senior Water resource Resources Engineer such as 1979 – Present	Specializes in hydrologic and engineering studies and designs for water development, flood control projects, and unusual drainage applications such as injection wells.
Project Engineer studies and 1975 – 1979	Responsible for hydrologic investigations, engineering feasibility, and design environmental impact statements.
Civil Engineer statements. 1972 – 1975	Engineering feasibility studies; environmental impact assessments and
Planner/Civil Engineer 1970	Donald Wolbrink & Associates, Honolulu, Hawaii Participated in engineering and planning studies.
Civil Engineer/Teacher 1966 – 1968	U.S. Peace Corps Served as volunteer in Micronesia.
Student Engineer 1964 – 1965	Hawaiian Electric Company, Hawaii
Student Engineer 1962 – 1963	Honolulu Board of Water Supply, Hawaii

**SELECTED**

2011

**PROJECTS**

Disney Aulani Resort Saltwater Supply and Disposal Wells, Island of Oahu,  
 Oahu, Hawaii, 2004

Covanta (HPOWER) Disposal Wells, Island of Oahu, 2011  
 New Well at St. Stephens Diocesan Center, Island of Oahu, 2011  
 New Well at Fort Shafter, Island of Oahu, 2011  
 Lanai Well 15, Island of Lanai, 2011  
 DWS Halaula Well, Island of Hawaii, 2011  
 DWS Kapulena Well, Island of Hawaii, 2010  
 Robinson Well No. 1, Island of Oahu, 2010  
 Central Maui Baseyards Well, Island of Maui, 2009  
 New Wells at Kealia NWR, Island of Maui, 2009  
 Kaanapali P-5A Well, Island of Maui, 2009  
 Kamakana Villages Deep Exploratory Well, Island of Hawaii, 2009-2010  
 NOAA Ford Island Deep Saltwater Well, Island of Oahu, 2009-2010  
 Alii Turf Helemano Well, Island of Oahu, 2009-2010  
 Villages of Lealii Potable Water Master Plan, Island of Maui, 2009  
 Kaanapali P-3 Well, Island of Maui, 2008  
 Kaupulehu Well 11, Island of Hawaii, 2008  
 Princeville Well No. 5, Island of Kauai, 2008  
 Lanai Well 3, Island of Lanai, 2008  
 Waikoloa Drinking Well No. 8, 2008-2009  
 Potable Water Master Plan for Kikiaola, Island of Kauai, 2008  
 A&B's Waiale Well Nos. 1 and 2, Island of Maui, 2007 and 2008  
 Maui Lani Irrigation Well No. 3, Island of Maui, 2007  
 DWS' Ahualoa Well, Island of Hawaii, 2006  
 Kula 1800 Well Nos. 1 and 2, Island of Maui, 2007 and 2008  
 Kamaole Well Nos. 1 and 2, Island of Maui, 2007  
 Waikoloa Drinking Water Well No. 7, Island of Hawaii, 2007  
 DWS' Waiohinu Well, Island of Hawaii, 2007  
 Hapuna Irrigation Well No. 4, Island of Hawaii, 2006  
 Kapalawai Resort Potable Wells, Island of Kauai, 2006  
 Poipu Wastewater Treatment Plant Disposal Wells, Island of Kauai, 2006  
 Ko Olina Resort Deep Saltwater Supply Well, Island of Oahu, 2006  
 Kealahewa Potable Wells 1 and 2, Island of Hawaii, 2006  
 Falko Potable Wells 3 and 4, Island of Kauai, 2006  
 Kaupulehu Potable Well No. 6, Island of Hawaii, 2005-06  
 Kaupulehu Irrigation Well No. 6, Island of Hawaii, 2005-06  
 Maui Lani Potable Wells 5, 6, and 7, Island of Maui, 2005-06  
 Groundwater Exploration Program, Pohnpei Island of FSM, 2005  
 Waikoloa Drinking Water Well No. 6, Hawaii Island, 2004  
 Honomu Potable Well, Hawaii Island, 2004  
 Saltwater Wells for the Hilton Hawaiian Village Lagoon, Oahu, Hawaii, 2004  
 Groundwater Modeling of Saltwater Disposal at the Oceanic Institute,  
 Oahu, Hawaii, 2004

Stormwater Modeling for the Pacific Missile Range Facility, Kauai, Hawaii,  
 2004

Waikoloa Effluent Disposal Well, Hawaii Island, 2004  
 Kiahuna Mauka Water Master Plan, Kauai, Hawaii, 2004  
 Village at Poipu Water Master Plan, Kauai, Hawaii, 2004

**SELECTED**

**PROJECTS**

(continued)

2004

Kukui'Ula Offsite Water Master Plan, Kauai, Hawaii, 2004  
 Kaupulehu Potable Well No. 5, Hawaii Island, 2003 to 2004  
 Anderson AFB Drinking Water Wells, Guam, 2002 to 2004  
 Four Saltwater Disposal Wells at the Oceanic Institute, Oahu, Hawaii, 2003-

2001

Piwai Well Nos. 2 and 3, Kauai, Hawaii, 2001 and 2003  
 Hapuna Irrigation Well No. 3, Hawaii Island, 2003  
 Kaieie Mauka Well, Hawaii Island, 2002  
 Kaupulehu Potable Well No. 4, Hawaii Island, 2002  
 Kauaula Well No. 3, Maui, Hawaii, 2002  
 Kaluakoi Resort Brackish Irrigation System, Molokai, Hawaii, 2002  
 Kaluakoi Potable Water System, Molokai, Hawaii, 2002  
 East Maui Irrigation Ditch / Stream Study, Maui, Hawaii, 2001  
 Mana Plain Drainage Study, Kauai, Hawaii, 2001  
 Hanamaulu Bay Oceanfront Wells, Kauai, Hawaii, 2001  
 Evaluation of Koloa Well F, Kauai, Hawaii, 2001  
 Trex Disposal Well, Kauai, Hawaii, 2001  
 Koele Golf Course Irrigation Supply, Lanai, Hawaii, 2001  
 Poeleele Well, Kauai, Hawaii, 2001  
 Pump Testing of the DLNR Oahu (Kaimuki) Exploratory Wells, Oahu, Hawaii,

Kealia Pond for Maui National Wildlife Refuge, Maui, Hawaii, 2001  
 Falalop Island Water System - Ulithi Atoll, Yap Islands, 2001  
 Kii Well Rehab at Kahuku Wildlife Refuge, Oahu, Hawaii, 2001  
 Waiau Pipeline for HECO, Oahu, Hawaii, 2001  
 Ameron Quarry, Oahu, Hawaii, 2001  
 Department of Water Supply Waiaha Well and Tank, Island of Hawaii, 2001  
 South Kohala Groundwater Assessment, Island of Hawaii, 2000  
 Lihue Energy Services Center Water System Design, Kauai, Hawaii, 2000  
 1.5 MG Reservoir at Mauna Lani WWTP, Island of Hawaii, 2000  
 Yin to Gargey Pipeline, Yap Islands, 2000  
 HASEKO Ocean Pointe Water Master Plan, Oahu, Hawaii, 2000  
 Irrigation Wells for Hualalai Resort, Island of Hawaii, 2000  
 CEATECH Plantations Wells 3 and 4, Kauai, Hawaii, 2000  
 Dillingham Airfield Water Supply Evaluation, Oahu, Hawaii, 2000  
 Hanalilolilo Intake and Pipeline, Molokai, Hawaii, 2000  
 Hapuna Well No. 3, Island of Hawaii, 2000  
 Launiupoko Well, Maui, Hawaii, 2000  
 Department of Water Supply Waiaha Well, Island of Hawaii, 2000  
 Design of the Maap-Rumung Pipeline Extension, Yap Islands, 2000  
 Gagil-Tomil System Extension, Yap Islands, 2000  
 Kaupulehu Potable Well No. 4, Island of Hawaii, 2000  
 Kapalawai Resort Water Systems, Kauai, Hawaii, 1999  
 Kadday to Yin Pipeline, Yap Islands, 1999  
 Kekaha Sugar Plantation Infrastructure Study, 1999  
 Maui Land & Pineapple Well in Hailiimaile, Maui, Hawaii, 1999  
 Mauna Lani Resort Irrigation Well Nos. 8 and 9, South Kohala, 1999  
 Coral Creek Golf Course Well Development, Oahu, Hawaii, 1998  
 Uplands Water System Design, South Kohala, Hawaii, 1998  
 Puu O Hoku Ranch Well Development, Molokai, Hawaii, 1998

**SELECTED  
PROJECTS**

(continued)

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- Kailua Well Development for East Maui Irrigation, Maui, Hawaii, 1998-99  
 Waikele Stream Evaluation, Oahu, Hawaii, 1998  
 Groundwater Development in Eyeb Valley, Yap Islands, 1998-99  
 Drainage Assessment for Hawaii Reserves, Inc., Laie, Oahu, Hawaii, 1998-99  
 Well Development at Papaa Bay Ranch, Kauai, Hawaii, 1998-99  
 Bay View Golf Course Irrigation Wells, Kaneohe, Oahu, 1996-97  
 Molokai Ranch Replacement Pipelines, Molokai, 1996-97  
 Molokai Ranch 15 MG Storage Reservoirs, Molokai, 1996-97  
 Waiola Well, Molokai Ranch, 1996-97  
 Parker Wells Outfitting, Lalamilo, Hawaii, 1996-97  
 Royal Kunia Golf Course Irrigation Well, 1996  
 Hawaii Reserves, Inc. Contested Case, Laie, Oahu, 1996  
 Puuloa Caprock Users Group Master Plan, Ewa, Oahu, 1996  
 Kauai Electric-Chevron Groundwater Evaluation, Port Allen, Kauai, 1997  
 Ewa Caprock Aquifer Monitoring For 1994-97, Oahu, Hawaii  
 Kaupulehu Potable Wells Evaluation, Island of Hawaii, 1995  
 Pecatu Graha Project, Bali, Indonesia, 1995  
 Taman Dayu Well Drilling, Surabaya, Indonesia, 1995  
 Princeville Water Master Plan, Kauai, Hawaii, 1995  
 Kaupulehu Brackish Pond Turnover, Island of Hawaii, 1995  
 Honolulu Resource Recovery Venture Disposal Wells Report, Oahu, Hawaii,
- 1995
- Outfit Mauna Lani Resort's Parker Wells, Island of Hawaii, 1995  
 Princeville PUC 1995 Rate Case, Kauai, Hawaii, 1995  
 EPWDC Non-Potable Source Plan, Oahu, Hawaii, 1995  
 Kaupulehu Disposal Wells, Island of Hawaii, 1995  
 DWS Piihonua Well Pump Test, Maui, Hawaii, 1995  
 Kaupulehu Potable Well Nos. 1 and 2, Island of Hawaii, 1995  
 Ookala Well (DWS), Maui, Hawaii, 1995  
 Waiahole Irrigation Company, Oahu, Hawaii, 1995  
 Gentry Area 26 Well, Oahu, Hawaii, 1995  
 Second Honouliuli 228 Tank, Oahu, Hawaii, 1995  
 Lanai Well No. 14 Outfitting, Lanai, Hawaii, 1995  
 Big Island Country Club Estates Potable Wells Certification, Island of Hawaii,
- 1995
- Mauna Kea Hotel Drainage Improvements, Island of Hawaii, 1995  
 Gentry Area 26 Irrigation Station, Oahu, Hawaii, 1995  
 Waialua Sugar Company Pump 3 DOH Certification, Oahu, Hawaii, 1994  
 Islands Saltwater Well Permits, Mauna Lani Resort, Island of Hawaii, 1994  
 Kehena Ditch Evaluation For Kohala Ranch, Island of Hawaii, 1994  
 Chiyoda Makakilo Golf Course, Oahu, Hawaii, 1994  
 Gentry Waiawa Recharge Study, Oahu, Hawaii, 1994  
 Gentry East-Side Irrigation, Oahu, Hawaii, 1994  
 Kawaihae Cogeneration Supply and Disposal Wells, Island of Hawaii, 1994  
 Kapolei Irrigation Pump Station, Oahu, Hawaii, 1994  
 Campbell Agricultural Lands Water System, Oahu, Hawaii, 1994  
 AES Federal UIC Permit, Oahu, Hawaii, 1994  
 Campbell Estate's Malaekahana Water System, Oahu, Hawaii, 1994  
 Hauula Well Evaluation, Oahu, Hawaii, 1994  
 Kapalua's Well No. 3, Maui, Hawaii, 1994
- SELECTED PROJECTS**  
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Waikoloa's Tank 1200S-2, Island of Hawaii, 1994  
 Gentry Golf Course Irrigation Pump Station, Oahu, Hawaii, 1994  
 HRT's Makaha Site Groundwater Evaluation, Oahu, Hawaii, 1994  
 Kalaeloa Partners' New Monitoring Wells, Oahu, Hawaii, 1994  
 Castle & Cooke Central Oahu Master Plan, Oahu, Hawaii, 1994  
 Kaupulehu Makai Irrigation Well Outfitting, Island of Hawaii, 1994  
 Villa Escudero, Philippine Islands, 1994  
 HPOWER Disposal Wells DOH Report, Oahu, Hawaii, 1994  
 Lost River Water Supply Evaluation, Guam, 1994  
 Makakilo Golf Course, Oahu, Hawaii, 1994  
 Lanai Water System Development, Lanai, Hawaii, 1993  
 Kapolei City Irrigation System, Oahu, Hawaii, 1993  
 Laie Water Master Plan, Oahu, Hawaii, 1992-93  
 Kohala Ranch Well Nos. 3 and 4, Island of Hawaii, 1992-93  
 Mauna Lani Resort's Parker Wells, Island of Hawaii, 1992-93  
 SNM Rota Island Resort, Rota Island, CNMI, 1992-93  
 ABB Cogeneration Plant Saltwater Supply Wells, Oahu, Hawaii, 1993  
 Keauhou High Level Well Development, Island of Hawaii, 1991-93  
 Waiawa by Gentry Water System Development, Oahu, Hawaii, 1992-93  
 Kaupulehu Resort Water System Development, Island of Hawaii, 1990-93  
 Kona Country Club Irrigation Well, Island of Hawaii, 1991-92  
 Lihilani Groundwater Development, Oahu, Hawaii, 1992  
 Honouliuli Wastewater Reclamation and Reuse Study, Oahu, Hawaii, 1992  
 Big Island Country Club Irrigation Well, Island of Hawaii, 1992  
 Hapuna Golf Course Irrigation Wells, Island of Hawaii, 1991-92  
 Ewa Caprock Aquifer Computer Model, Oahu, Hawaii, 1991-92  
 South Kohala Water Master Plan, Island of Hawaii, 1991-92  
 Princeville Well Development, Kauai, Hawaii, 1992  
 Waikoloa Well Nos. 1, 2, and 3, Island of Hawaii, 1990-92  
 Waikoloa Water System Master Plan, Island of Hawaii, 1991  
 Lalamilo Water System Expansion, Island of Hawaii, 1991  
 Saltwater Wells for the Islands at Mauna Lani Resort, Island of Hawaii, 1991  
 Bali Golf & Country Club Irrigation Wells, Bali, Indonesia, 1990-91  
 Honouliuli Well Nos. 1 to 6, Oahu, Hawaii, 1990-91  
 Ewa by Gentry Irrigation System Development, Oahu, Hawaii, 1990-92  
 Saltwater Supply and Disposal Wells for the AES Cogeneration Plant, Oahu,  
 Hawaii,  
     1990  
 Makakilo Golf Course Supply Wells and Desalination Plant Design, Oahu,  
 Hawaii,  
     1990  
 Kapalua Resort Well Nos. 1 and 2, Maui, Hawaii, 1990-91  
 Lalamilo Water System, Mauna Lani Resort, Island of Hawaii, 1989  
**SELECTED**  
**PROJECTS**  
 (continued)  
 Clark AFB Well Development, Philippine Islands, 1988-90  
 Mangilao Golf Course Irrigation Well Development, Guam, 1988-90  
 Waikoloa Stream Flood Study, Island of Hawaii, 1990  
 Ewa Water System Development, Oahu, Hawaii, 1986-88  
 Reclamation & Beach Construction, Sentosa, Singapore, 1986-88  
 Waikoloa Beach Resort Irrigation Well Development, Island of Hawaii, 1988

Mauna Lani Resort Irrigation Well Development, Island of Hawaii, 1988, 1990,  
and 1992  
Westin Kauai Irrigation Well Development, Kauai, Hawaii, 1987-88  
Makaiwa Bay Beach Development, Mauna Lani Resort, Island of Hawaii, 1986  
Kosrae Groundwater Development, Trust Territory, 1984  
Palau Islands Groundwater Development, 1984-88  
Keauhou Resort Golf Course Irrigation Well Development, Island of Hawaii,  
1983-84  
Kula Up-Country Water Study, Maui County, Hawaii, 1983-84  
Ewa Water Master Plan, Oahu, Hawaii, 1983-84  
Lalamilo Water System, Island of Hawaii, 1984 & 1988  
Beach Construction, Mauna Lani Bay Hotel, Island of Hawaii, 1983  
Southern Water System, Yap State, Federated States of Micronesia, 1983  
Water Development, Saipan, CM, 1983  
Molokai Water Master Plan, Molokai, Hawaii, 1982  
Yap Island Groundwater Exploration & Development, Yap State, 1982  
Molokai Ranch Mountain Water System, Molokai, Hawaii, 1983 & 1988  
Princeville Golf Course Irrigation System, Kauai, Hawaii, 1981  
Kiahuna Golf Course Irrigation System, Kauai, Hawaii, 1981  
Prototype High Capacity Injection Well Field Testing, Waiale, Maui, 1978-80  
Irrigation Well, Liliuokalani Trust, Island of Hawaii, 1979  
Yap Island Sewage Treatment Plant Ocean Outfall, Trust Territory, 1980  
Design of the Gagil-Tomil Water System, Yap State, 1981  
Tripler Hospital Traffic Study, Oahu, Hawaii, 1979  
Kaunapali Harbor Breakwater Repair, Lanai, Hawaii, 1980 & 1982  
Beach Development Study for Mauna Loa Land Resort, Hawaii, 1979  
Drainage Master Plan, Waiale Development, Kahului, Maui, Hawaii  
Conceptual Water Development Plans for Colonia, Gagil-Tomil, and Southern  
Yap areas of Yap State, Trust Territory of the Pacific Islands, 1980  
Appeal of FIA Flood Hazard Designations for the Mauna Loa Land, Inc.  
Resorts, South Kohala, Hawaii, 1980  
Irrigation Wells for Kiahuna Golf Village, Koloa, Kauai, Hawaii, 1979  
Yap Islands Groundwater Investigation, Yap State, 1979  
Yap Wastewater Facility Plan, Trust Territory of the Pacific Islands, 1978  
Wailua Basin Water Resources Development Study (Dam Feasibility Study,  
Hydropower, Flood Control, Irrigation), Kauai, Hawaii, 1976-77  
Irrigation Study, Kilauea Agricultural Subdivision, Kauai, Hawaii, 1977  
Waimea to Kawaihae Water Transmission Line Study, Hawaii, 1977  
Sewerage Master Plan, U.S. Naval Facility, Diego Garcia, 1976

**SELECTED**  
**PROJECTS**  
(continued)

South Kohala Groundwater and Deep Well Evaluation Study, Hawaii, 1975  
Fort Shafter Sewage Pump Station, Oahu, Hawaii, 1975  
Tafuna Industrial Park, Tutuila Island, American Samoa, 1974  
Kapalua Master Plan, Maui, Hawaii, 1974