

EDUCATION

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



REGISTRATION

1975-Present Professional / Civil Engineer - Hawaii #3878
 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

- 93-Present TNWRE Inc. dba Tom Nance Water Resource Engineering - Honolulu, Hawaii**
 President

- 1989-1993 Tom Nance Water Resource Engineering (a subsidiary of Belt Collins & Associates) - Honolulu, Hawaii**
 President

- 1972-1989 Belt Collins & Associates - Honolulu, Hawaii**
Senior Water Resources Engineer (1979-1989)
 Specializes in hydrologic and engineering studies and designs for water resource development, flood control projects, and unusual drainage applications such as injection wells.
Project Engineer (1975-1979)
 Responsible for hydrologic investigations, engineering feasibility, and design studies and environmental impact statements.
Civil Engineer (1972-1975)
 Engineering feasibility studies; environmental impact assessments and statements.

- 1970-1972 Donald Wolbrink & Associates - Honolulu, Hawaii**
 Participated in engineering and planning studies

- 1968-1969 U.S. Peace Corps (Served as a volunteer in Micronesia)**
 Civil Engineer / Teacher

- 1964-1965 Hawaiian Electric Company - Honolulu, Hawaii**
 Student Engineer

- 1962-1963 Honolulu Board of Water Supply - Honolulu, Hawaii**
 Student Engineer

SELECTED PROJECTS

Year	Location	Project
2019	Oahu	Disposal Wells for the Yacht Harbor Towers
2019	Hawaii	UIC Disposal Wells for the Hu Honua Power Plant
2018	Guam	Andersen AFB Wells
2018	Maui	Sustainable Groundwater Supply of HC&S Wells
2018	Oahu	Supply and Disposal Wells for the Atlantis Project
2017	Maui	Pumped Water Storage Project

SELECTED PROJECTS

Year	Location	Project
2017	Hawaii	Ouli Well field
2017	Oahu	Waiahole Wells 1 and 2
2017	Hawaii	Hualalai Groundwater Sustainable Yield
2017	Hawaii	Waialua Well B
2017	Maui	Wailea Well 2A
2017	Maui	Ulupalakua Pumped Storage Project
2017	Oahu	Groundwater Assessment for the Blaisdell Center
2017	Hawaii	Hualalai Sustainable Yield Assessment
2017	Maui	Wailea 2A Well
2017	Maui	LIC Well 1
2017	Maui	Polena Disposal Well
2016-2017	Hawaii	HOVE-2 Well at Ocean View Estates, Kona
2016-2017	Maui	Pookela Well B, Makawao
2015-2016	Kauai	Princeville Wastewater Treatment Plant Disposal Wells, Princeville
2015-2016	Guam	Andersen AFB Wells
2015-2016	Maui	Launiupoko Well, Lahaina
2015-2016	Maui	Kihei High School Irrigation Wells
2015-2016	Hawaii	Keopu Deep Monitor Well, Kona
2015-2016	Maui	Polena Wells 1 and 2, Makena
2015	Maui	BRE-1 Well, Haliimaile
2015	Maui	HT-1 Well, Haiku
2015	Maui	Kamalani Irrigation Well, Kihei
2015	Guam	Anderson AFB New Well Development
2015	Oahu	Evaluation of the Navy's Barbers Point Water System
2014-2017	Kauai	Hawaii Dairy Farms Hydrologic Assessment, Mahaulepu
2014-2016	Kauai	Hawaii Dairy Farms Groundwater Evaluation
2014-2016	Hawaii	Monitor of High Level Groundwater in the Keauhou Aquifer, Kona
2014-2016	Oahu	Kahana Artesian Well Rehabilitation
2014-2015	Hawaii	Palani Well and Pump Assessment, Kona
2014	Maui	Reservoir Sizing for Maui DWS Treatment Plant at Kamaole Weir
2013-2014	Lanai	Saltwater Supply and Concentrate Disposal Wells for Lanai Desalinization
2013-2014	Oahu	Saltwater Supply and Disposal Wells for Hoakalei Cove
2013-2014	Maui	Supply and Disposal Wells for Puenene Heavy Industrial Subdivision
2013-2014	Maui	Wailuku Well 2
2013-2014	Maui	Nalu Ola Well
2013-2014	Maui	MECO Maalaea Disposal Wells 3 and 4
2013-2014	Hawaii	Rehabilitation of Keauhou Well 2
2013	Kauai	Hydrologic Analysis of Kalihiwai Reservoir
2013	Oahu	Makaha West Irrigation Well
2012	Kauai	Brydeswood Well 1
2011	Oahu	Disney Aulani Resort Saltwater Supply and Disposal Wells
2011	Oahu	Covanta (HPOWER) Disposal Wells
2011	Oahu	New Well at St. Stephens Diocesan Center
2011	Oahu	New Well at Fort Shafter
2011	Lanai	Lanai Well 15
2011	Hawaii	DWS Halaula Well
2010	Hawaii	DWS Kapulena Well
2010	Oahu	Robinson Well No. 1
2009-2010	Hawaii	Kamakana Villages Deep Exploratory Well
2009-2010	Oahu	NOAA Ford Island Deep Saltwater Well
2009-2010	Oahu	Alii Turf Helemano Well
2009	Maui	Central Maui Baseyards Well
2009	Maui	New Wells at Kealia NWR
2009	Maui	Kaanapali P-5A Well
2009	Maui	Villages of Lealii Potable Water Master Plan
2008-2009	Hawaii	Waikoloa Drinking Well No. 8
2008	Maui	Kaanapali P-3 Well
2008	Hawaii	Kaupulehu Well 11

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Year	Location	Project
2008	Kauai	Princeville Well No. 5
2008	Lanai	Lanai Well 3
2008	Kauai	Potable Water Master Plan for Kikiaola
2007-2008	Maui	A&B's Waiale Well Nos. 1 and 2
2007-2008	Maui	Kula 1800 Well Nos. 1 and 2
2007	Maui	Maui Lani Irrigation Well No. 3
2007	Maui	Kamaole Well Nos. 1 and 2
2007	Hawaii	Waikoloa Drinking Water Well No. 7
2007	Hawaii	DWS' Waiohinu Well
2006	Hawaii	DWS' Ahualoa Well
2006	Hawaii	Hapuna Irrigation Well No. 4
2006	Kauai	Kapalawai Resort Potable Wells
2006	Kauai	Poipu Wastewater Treatment Plant Disposal Wells
2006	Oahu	Ko Olina Resort Deep Saltwater Supply Well
2006	Hawaii	Kealahewa Potable Wells 1 and 2
2006	Kauai	Falko Potable Wells 3 and 4
2005-2006	Hawaii	Kaupulehu Potable Well No. 6
2005-2006	Hawaii	Kaupulehu Irrigation Well No. 6
2005-2006	Maui	Maui Lani Potable Wells 5, 6, and 7
2005	Pohnpei	Groundwater Exploration Program, Pohnpei Island of FSM
2004	Hawaii	Waikoloa Drinking Water Well No. 6
2004	Hawaii	Honomu Potable Well
2004	Oahu	Saltwater Wells for the Hilton Hawaiian Village Lagoon
2004	Oahu	Groundwater Modeling of Saltwater Disposal at the Oceanic Institute
2004	Kauai	Stormwater Modeling for the Pacific Missile Range Facility
2004	Hawaii	Waikoloa Effluent Disposal Well
2004	Kauai	Kiahuna Mauka Water Master Plan
2004	Kauai	Village at Poipu Water Master Plan
2004	Kauai	Kukui'Ula Offsite Water Master Plan
2003-2004	Hawaii	Kaupulehu Potable Well No. 5
2002-2004	Guam	Anderson AFB Drinking Water Wells
2003-2004	Oahu	Four Saltwater Disposal Wells at the Oceanic Institute
2001-2003	Kauai	Piawai Well Nos. 2 and 3
2003	Hawaii	Hapuna Irrigation Well No. 4
2002	Maui	Kauaula Well No. 3
2002	Molokai	Kaluakoi Resort Brackish Irrigation System
2002	Molokai	Kaluakoi Potable Water System
2001	Maui	East Maui Irrigation Ditch / Stream Study
2001	Kauai	Mana Plain Drainage Study
2001	Kauai	Hanamaulu Bay Oceanfront Wells
2001	Kauai	Evaluation of Koloa Well F
2001	Kauai	Trex Disposal Well
2001	Lanai	Koele Golf Course Irrigation Supply
2001	Kauai	Poeleele Well
2001	Oahu	Pump Testing of the DLNR Oahu (Kaimuki) Exploratory Wells
2001	Maui	Kealia Pond for Maui National Wildlife Refuge
2001	Yap Islands	Falalop Island Water System - Ulithi Atoll
2001	Oahu	Kii Well Rehab at Kahuku Wildlife Refuge
2001	Oahu	Waiau Pipeline for HECO
2001	Oahu	Ameron Quarry
2001	Hawaii	Department of Water Supply Waiaha Well and Tank
2000	Hawaii	South Kohala Groundwater Assessment
2000	Kauai	Lihue Energy Services Center Water System Design
2000	Hawaii	1.5 MG Reservoir at Mauna Lani WWTP
2000	Yap Islands	Yyin to Gargey Pipeline
2000	Oahu	HASEKO Ocean Pointe Water Master Plan
2000	Hawaii	Irrigation Wells for Hualalai Resort
2000	Kauai	CEATECH Plantations Wells 3 and 4

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Year	Location	Project
2000	Oahu	Dillingham Airfield Water Supply Evaluation
2000	Molokai	Hanailililo Intake and Pipeline
2000	Hawaii	Hapuna Well No. 3
2000	Maui	Launiupoko Well
2000	Hawaii	Department of Water Supply Waiaha Well
2000	Yap Islands	Design of the Maa-Rumung Pipeline Extension
2000	Yap Islands	Gagil-Tomil System Extension
2000	Hawaii	Kaupulehu Potable Well No. 4
1999	Kauai	Kapalawai Resort Water Systems
1999	Yap Islands	Kadday to Yyin Pipeline
1999	Kauai	Kekaha Sugar Plantation Infrastructure Study
1999	Maui	Maui Land & Pineapple Well in Haliimaile
1999	Hawaii	Mauna Lani Resort Irrigation Well Nos. 8 and 9
1998	Oahu	Coral Creek Golf Course Well Development
1998	Hawaii	Uplands Water System Design
1998	Molokai	Puu O Hoku Ranch Well Development
1998-1999	Maui	Kailua Well Development for East Maui Irrigation
1998	Oahu	Waikele Stream Evaluation
1998-1999	Yap Islands	Groundwater Development in Eyeb Valley
1998-1999	Oahu	Drainage Assessment for Hawaii Reserves, Inc.
1998-1999	Kauai	Well Development at Papaa Bay Ranch
1996-1997	Oahu	Bay View Golf Course Irrigation Wells
1996-1997	Molokai	Molokai Ranch Replacement Pipelines
1996-1997	Molokai	Molokai Ranch 15 MG Storage Reservoirs
1996-1997	Molokai	Waiola Well
1996-1997	Hawaii	Parker Wells Outfitting
1996	Oahu	Royal Kunia Golf Course Irrigation Well
1996	Oahu	Hawaii Reserves, Inc. Contested Case
1996	Oahu	Puuloa Caprock Users Group Master Plan
1997	Kauai	Kauai Electric-Chevron Groundwater Evaluation
1994-1997	Oahu	Ewa Caprock Aquifer Monitoring
1995	Hawaii	Kaupulehu Potable Wells Evaluation
1995	Indonesia	Pecatu Graha Project - Bali
1995	Indonesia	Taman Dayu Well Drilling - Surabaya
1995	Kauai	Princeville Water Master Plan
1995	Hawaii	Kaupulehu Brackish Pond Turnover
1995	Oahu	Honolulu Resource Recovery Venture Disposal Wells Report
1995	Hawaii	Outfit Mauna Lani Resort's Parker Wells
1995	Kauai	Princeville PUC 1995 Rate Case
1995	Oahu	EPWDC Non-Potable Source Plan
1995	Hawaii	Kaupulehu Disposal Wells
1995	Maui	DWS Piionua Well Pump Test
1995	Hawaii	Kaupulehu Potable Well Nos. 1 and 2
1995	Hawaii	Ookala Well (DWS)
1995	Oahu	Waiahole Irrigation Company
1995	Oahu	Gentry Area 26 Well
1995	Oahu	Second Honouliuli 228 Tank
1995	Lanai	Lanai Well No. 14 Outfitting
1995	Hawaii	Big Island Country Club Estates Potable Wells Certification
1995	Hawaii	Mauna Kea Hotel Drainage Improvements
1995	Oahu	Gentry Area 26 Irrigation Station
1994	Oahu	Waialua Sugar Company Pump 3 DOH Certification
1994	Hawaii	Islands Saltwater Well Permits, Mauna Lani Resort
1994	Hawaii	Kehena Ditch Evaluation for Kohala Ranch
1994	Oahu	Chiyoda Makakilo Golf Course
1994	Oahu	Gentry Waiawa Recharge Study
1994	Hawaii	Kawaihae Cogeneration Supply and Disposal Wells
1994	Oahu	Kapolei Irrigation Pump Station

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Year	Location	Project
1994	Oahu	Campbell Agricultural Lands Water System
1994	Oahu	AES Federal UIC Permit
1994	Oahu	Campbell Estate's Malaekahana Water System
1994	Oahu	Hauula Well Evaluation
1994	Maui	Kapalua's Well No. 3
1994	Hawaii	Waikoloa's Tank 1200S-2
1994	Oahu	Gentry Golf Course Irrigation Pump Station
1994	Oahu	HRT's Makaha Site Groundwater Evaluation
1994	Oahu	Kalaeloa Partner's New Monitoring Wells
1994	Oahu	Castle & Cooke Central Oahu Master Plan
1994	Hawaii	Kaupulehu Makai Irrigation Well Outfitting
1994	Philippine Islands	Villa Escudero
1994	Oahu	HPOWER Disposal Wells DOH Report
1994	Guam	Lost River Water Supply Evaluation
1994	Oahu	Makakilo Golf Course
1993	Lanai	Lanai Water System Development
1993	Oahu	Kapolei City Irrigation System
1992-1993	Oahu	Laie Water Master Plan
1992-1993	Hawaii	Kohala Ranch Well Nos. 3 and 4
1992-1993	Hawaii	Mauna Lani Resort's Parker Wells
1992-1993	Rota Island	SNM Rota Island Resort
1993	Oahu	ABB Cogeneration Plant Saltwater Supply Wells
1991-1993	Hawaii	Keauhou High Level Well Development
1992-1993	Oahu	Waiawa by Gentry Water System Development
1990-1993	Hawaii	Kaupulehu Resort Water System Development
1991-1992	Hawaii	Kona Country Club Irrigation Well
1992	Oahu	Lihilani Groundwater Development
1992	Oahu	Honouliuli Wastewater Reclamation and Reuse Study
1992	Hawaii	Big Island Country Club Irrigation Well
1991-1992	Hawaii	Hapuna Golf Course Irrigation Wells
1991-1992	Oahu	Ewa Caprock Aquifer Computer Model
1991-1992	Hawaii	South Kohala Water Master Plan
1992	Kauai	Princeville Well Development
1990-1992	Hawaii	Waikoloa Well Nos. 1, 2, and 3
1991	Hawaii	Waikoloa Water System Master Plan
1991	Hawaii	Lalamilo Water System Expansion
1991	Hawaii	Saltwater Wells for the Islands at Mauna Lani Resort
1990-1991	Indonesia	Bali Golf & Country Club Irrigation Wells - Bali
1990-1991	Oahu	Honouliuli Well Nos. 1 to 6
1990-1992	Oahu	Ewa by Gentry Irrigation System Development
1990	Oahu	Saltwater Supply and Disposal Wells for the AES Cogeneration Plant
1990	Oahu	Makakilo Golf Course Supply Wells and Desalination Plant Design
1990-1991	Maui	Kapalua Resort Well Nos. 1 and 2
1989	Hawaii	Lalamilo Water System, Mauna Lani Resort
1989-1990	Hawaii	Waikoloa Water System Expansion
1988-1990	Philippine Islands	Clark AFB Well Development
1988-1990	Guam	Mangilao Golf Course Irrigation Well Development
1990	Hawaii	Waikoloa Stream Flood Study
1986-1988	Oahu	Ewa Water System Development
1986-1888	Singapore	Reclamation & Beach Construction - Sentosa
1988	Hawaii	Waikoloa Beach Resort Irrigation Well Development
1988-1992	Hawaii	Mauna Lani Resort Irrigation Well Development
1987-1988	Kauai	Westin Kauai Irrigation Well Development
1986	Hawaii	Makaiwa Bay Beach Development, Mauna Lani Resort
1984	Kosrae Island	Kosrae Groundwater Development - Trust Territory of the Pacific Islands
1984-1988	Palau Island	Palau Islands Groundwater Development
1983-1984	Hawaii	Keauhou Resort Golf Course Irrigation Well Development
1983-1984	Maui	Kula Up-Country Water Study

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Year	Location	Project
1983-1984	Oahu	Ewa Water Master Plan
1984 & 1988	Hawaii	Lalamilo Water System
1983	Hawaii	Beach Construction, Mauna Lani Bay Hotel
1983	Yap Islands	Southern Water System
1983	Saipan	Water Development
1982	Molokai	Molokai Water Master Plan
1982	Yap Islands	Yap Island Groundwater Exploration & Development
1983 & 1988	Molokai	Molokai Ranch Mountain Water System
1981	Kauai	Princeville Golf Course Irrigation System
1978-1980	Maui	Prototype High Capacity Injection Well Field Testing
1979	Hawaii	Irrigation Well, Liliuokalani Trust
1980	Yap Islands	Yap Island Sewage Treatment Plant Ocean Outfall
1981	Yap Islands	Design of the Gagi-Tomil Water System
1979	Oahu	Tripler Hospital Traffic Study
1980 & 1982	Lanai	Kaunalapau Harbor Breakwater Repair
1979	Hawaii	Beach Development Study for Mauna Loa Land Resort
1980	Maui	Drainage Master Plan, Waiale Development
1980	Yap Islands	Conceptual Water Development Plans for Colonia, Gagil-Tomil, and Southern Yap areas of Yap State - Trust Territory of the Pacific Islands
1980	Hawaii	Appeal of FIA Flood Hazard Designations for the Mauna Loa Land, Inc. Resorts
1979	Kauai	Irrigation Wells for Kiahuna Golf Village
1979	Yap Islands	Yap Islands Groundwater Investigation
1978	Yap Islands	Yap Wastewater Facility Plan
1976-1977	Kauai	Wailua Basin Water Resources Development Study (Dam Feasibility Study, Hydropower, Flood Control, Irrigation)
1977	Kauai	Irrigation Study, Kilauea Agricultural Subdivision
1977	Hawaii	Waimea to Kawaihae Water Transmission Line Study
1976	Indian Ocean	Sewerage Master Plan, U.S. Naval Facility - Diego Garcia
1975	Hawaii	South Kohala Groundwater and Deep Well Evaluation Study
1975	Oahu	Fort Shafter Sewage Pump Station
1974	American Samoa	Tafuna Industrial Park - Tutuila Island
1974	Maui	Kapalua Master Plan