

WINONA P. Char

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ORIGINAL

#### EDUCATION

Master of Science (M.S.) degree in the Botanical Sciences, University of Hawaii, Manoa. December 1983. Area of specialization: Plant taxonomy with special emphasis on the native Hawaiian flora. M.S. thesis topic: "A revision of the Hawaiian species of Sesbania (Leguminosae)."

Bachelor of Arts (B.A.) in the Botanical Sciences, University of Hawaii, Manoa. May 1970.

Graduate of Kaimuki High School. June 1965.

#### EXPERIENCE

Botanical Consultant - 1976 to present; self-employed.

Field investigation, data analysis, and preparation of findings for the biological section in Environmental Impact Statements (EIS). The scope of work involves: (1) a discussion of rare, threatened or endangered plant species found on the study site; (2) a general description of the major vegetation types found on the study site; (3) an inventory of the flora on the study site; (4) the identification of areas of potential environmental problems or concerns; and (5) a summary of the extant botanical knowledge of the study site.

Natural Area Biologist, SR-21 - July 1985 to June 1986. One year funding. Natural Area Reserves System (NARS), State Department of Land and Natural Resources. Major duties: Plan, develop, and direct native and non-native plant and animal surveys within the reserves system. Evaluate existing and potential impact of non-native species within each reserve. Develop site-specific management programs as well as direct on-site management activity. Supervise a lower-level NARS biologist and, when available, part-time and volunteer workers.

Horticulturist, SR-18 - May 1978 to September 1979. Honolulu Botanic Gardens, City and County Department of Parks and Recreation. Major duties: Program director, Exceptional Trees Program. Working with the City Administration and the City Council in establishing a permanent staff organi-

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LAND USE COMMISSION  
STATE OF HAWAII

zation and Arborist Advisory Committee necessary to fulfill the Exceptional Trees' Law; documentation and identification of the Exceptional Trees designated by the City and County Ordinance; identification of additional trees to the list. End of contract; left to complete M.S. degree program.

### INTERESTS

Hiking, fishing native plants, bonsai, photography, trivia collector.

Member of the following organizations:

- Hawaiian Botanical Society. Life membership. Served as Chairman, Science Fair Committee, 1981, 1983. Secretary 1978, 1979. Director 1977. Native Coastal Plants Committee 1986.
- The Nature Conservancy. Sponsor 1986.

Community service:

- The Nature Conservancy. Resource person. Scientific Advisory Committee.
- State Department of Education (DOE). Resource person and lecturer, native plants and island ecosystems.
- Marine Advisory Program, Sea Grant, University of Hawaii. Resource person, strand vegetation.

### PERSONAL BACKGROUND

One-quarter Hawaiian, that's why the active interest in native plants and island ecosystems. Single, 5 ft. 5 in. tall, roughly 128 lbs. Born 16 May 1947(a baby boomer). References will be furnished on request.

### PUBLICATIONS

- Char, W. P. 1976. Field studies of the Sesbania complex on the island of Hawaii. Pacific Tropical Botanical Garden Bulletin 6(2): 41.
- \_\_\_\_\_. 1977. Strand vegetation of Hawaii. Hawaii Coastal Zone Newsletter 12(1): 4-6.
- \_\_\_\_\_. 1981. Strand ecosystems in Hawaii. pp. 3-5. In: R. Tabata, ed. Conserving Hawaii's Coastal Ecosystems. Uni. Hawaii Sea Grant Cooperative Report.
- \_\_\_\_\_ and N. Balakrishnan. 1979. 'Ewa Plains Botanical Survey. U.S. Fish & Wildlife Serv., Honolulu. 119 pp. + maps.
- \_\_\_\_\_ and C. H. Lamoureux. 1985. Puna Geothermal Area Biotic Assessment, Puna District, County of Hawaii. Prepared for Hawaii State Dept. of Planning and Economic Development, Honolulu. 126 pp. + maps

# PROJECT EXAMPLES, LAST 5 YEARS

PROJECT NAME AND LOCATION	OWNER NAME AND ADDRESS	COMPLETION DATE
1 Puna Geothermal Biotic Assessment, Puna, Island of Hawaii	State of Hawaii, Dept. of Planning & Economic Development, 250 So. King Street, Honolulu, Hawaii 96813	April 1985
2 Flora, Fauna, and Water Resources Pacific Area Facilities (NAVMAG LUALUALEI; NAVCAMS EASTPAC; PEARL HARBOR WORK CENTER)	U.S. Navy, Pacific Area Division, Naval Facilities Engineering Command, Honolulu, Hawaii 96860-7300 (Contract No. N62742-85-C-0137)	April 1986
3 Natural Resources Land Management Plans, Various USASCH Installation, Island of Oahu	U.S. Army Engineer Division, Pacific Ocean, Corps of Engineers, Bldg. 230, Ft. Shafter, Hawaii 96858	Dec. 1984
4 Natural Resources Management Plans for NAS, BARPT; NAVMAG LUALUALEI; NAVCOM EASTPAC, PEARL HARBOR COMPLEX; PMRF-KAUAI	U.S. Navy, Pacific Area Div., Naval Facilities Engineering Command, Honolulu, Hawaii 96860-7300 (Contract No. N62742-86-R-0538)	April 1988
5 Recovery and Transplanting of the Endangered 'Ewa Plains 'akoko at Barbers Point Harbor, O'ahu	State of Hawaii, Dept. of Transportation, Harbors Division, 79 No. Nimitz Highway, Honolulu, Hawaii 96813	Dec. 1987
6 Botanical Resources Study, Koko Head Regional Park Resource Plan, Island of O'ahu	City and County of Honolulu, Department of Parks and Recreation, 650 So. King Street, Honolulu, Hawaii 96813	June 1988
7 Ecological and Maintenance Studies of Euphorbia skottsbergii ('akoko) at Campbell Industrial Park, 'Ewa, O'ahu	Campbell Estate, 828 Fort Street Mall, Suite 500, Honolulu, Hawaii 96813	March 1982
8 Botanical Survey, Hanalei Hydroelectric Project, Hanalei, Kauai	Island Power Company, Inc. 5160 Wiley Post Way, Salt Lake City, Utah 84116	Dec. 1986

# PROJECT EXAMPLES, LAST 5 YEARS

9	Terrestrial Biological Survey, Puna Geothermal Ventures Studies, Puna, Island of Hawaii	Thermal Power Company (Diamond-Shamrock) 601 California Street, San Francisco CA 94108	April 1984
10	Botanical Survey, Upper Wailua River Hydroelectric Project, Kawaihau & Lihue Districts, Island of Kauai	Bonneville Pacific Corporation, 257 East 200 South, Suite 800, Salt Lake City, Utah 84111	Aug. 1988
11	Flora Survey, Waialua-Haleiwa Wastewater Treatment Plant, Waialua District, Oahu	City and County of Honolulu, Department of Public Works, 650 South King Street, Honolulu, Hawaii 96813	July 1986
12	Botanical Survey, Hono-A-Pi'ilani Highway Realignment & Widening Studies, Maui	State of Hawaii, Department of Transportation, 869 Punchbowl Street, Honolulu, HI 96813	August 1988
13	Terrestrial Botanical and Faunal Surveys, Proposed Kohana-Iki Resort Community, North Kona, Hawai'i	Kona Beach Development Venture L.P. 562 California Avenue Wahiawa, Hawaii 96786	June 1986
14	Botanical Survey, Maunawili Trunk Sewer, Section 2, Oahu	City and County of Honolulu, Department of Public Works, 650 So. King Street, Honolulu, Hawaii 96813	Sep. 1985
15	Botanical Survey of Selected Lands Proposed for Military Training Near Kaunakakai, Island of Molokai (Contract No. N62742-82-C-0111)	U.S. Navy, Pacific Division, Naval Facilities Engineering Command, Honolulu, Hawaii 96868-7300	June 1983
16	Biological Surveys -- Flora, Vertebrate Fauna, Insects, NRAO VLBA Antenna Facility, Mauna Kea Science Reserve, Island of Hawaii	National Radio Astronomy Observatory, c/o University of Hawaii, Institute for Astronomy 2680 Woodlawn Drive, Honolulu, Hawaii 96822	Sep. 1988
17	Botanical and Faunal Surveys, Keahole Airport Master Plan, District of North Kona, Island of Hawaii	State of Hawaii, Department of Transportation, Airports Division, Honolulu International Airport	Sep. 1988

# PROJECT EXAMPLES, LAST 5 YEARS

18	Flora Survey, Proposed Hawaiian Riviera Resort, Kahuku, District of Ka'u, Island of Hawaii	Palace Development Corporation/Ka'u Aina Partnership, c/o Belt Collins & Associates, 680 Ala Moana Boulevard, #200, Honolulu, Hawaii 96813	January 1988
19	Biological Resources, Environmental Assessment for Geothermal Development, Puna, Hawaii	State of Hawaii, Department of Business and Economic Development, 250 South King St., Honolulu, Hawaii 96813	March 1989
20	Assessment of 'Ohi'a Forests Suitable for Harvesting on 2 Parcels of AMFAC Land, Puna District, Hawaii	AMFAC Properties, 700 Bishop Street, P.O. Box 3140, Honolulu, Hawaii 96802	Feb. 1986
21	Botanical Survey, Keauhou Master Plan, Kailua-Kona, Hawaii'i	Kamehameha Investment Corporation 567 South King Street, Suite 120 Honolulu, Hawaii 96813	Nov. 1988
22	Botanical Survey -- Waikoloa Village & Waikoloa Beach, Waikoloa Master Plan, Kohala, Hawaii'i	Transcontinental Development Company 1001 Bishop Street, Suite 2610 Honolulu, Hawaii 96813	February 1989
23	Botanical Survey, Norfth and South Beach Mauka, Ka'anapali, Maui	AMFAC Property Investment Corporation 700 Bishop Street, P.O. Box 3140 Honolulu, Hawaii 96802	January 1989