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BIBLIOGRAPHY
OF SELECTED DASIAC DOCUMENTS
PERTINENT TO THE
ENIWETOK CLEANUP AND REHABILITATION PROGRAM

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8 March 1973

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Table 1 (continued)

REFERENCE	Date	History	Description of Social System	Physical Description: Island and Surroundings	REFERENCE PERTAINS TO:			
					Bikini	Eniwetok	Ujelang	Other
<u>Proving Ground. An Account of the Radiobiological Studies in the Pacific, 1946-1961.</u> University of Washington Press, Seattle. 344 p.	1962	X			X	X		
<u>An Ecological Reconnaissance of Johnston Island and the Effects of Dredging.</u> V. E. Brock, et al. Hawaii Marine Laboratory, University of Hawaii. 25 p.	January 1965			X				Johnston Island
<u>The Resettlement of the Eniwetok People: A Study of...</u> J. A. Tobin, University of Michigan. 265 p.	1967	X	X			X	X	
<u>Island Bibliographies Supplement.</u> Marie-Helene Sachel and P. Raymond Fosberg. Pacific Science Board, National Academy of Sciences. 427 p.	1971			X	X	X	X	X
<u>Preliminary Report: Pre-test Terrestrial Biota Survey of Sally-Tilda-Ursula Islets, Eniwetok Atoll, M.I. undertaken Jan-Feb, 1972 for PACE.</u> Dr. W. B. Jackson, et al. Environmental Studies Center, Bowling Green University. 20 p.	February 25, 1972			X		X		
<u>Eniwetok—Field Trip Report.</u> Trust Territory of the Pacific Islands, Office of the High Commissioner, Saipan, Mariana Islands. 66 p.	May 17, 1972	X	X	X		X		

M. J. B. 10/1/72

Table 2. Documents concerned with the impact of testing upon environment.

REFERENCE	DATE	Plankton/ Ocean Plants, Water	ANIMALS			Soil, Land Plants	REFERENCE PERTAINS TO:		
			Marine	Invertebrates	Land		Bikini	Eniwetok	Other
<u>Evaluation of Radioactivity in the Marine Environment of the Pacific Proving Ground.</u> L.H. Donaldson, Laboratory of Radiation Biology, University of Washington. 10 p.	Undated	X	X	X			X	X	
<u>Provisionary Outline of a Program for the Interdisciplinary Recovery of Bikini Atoll During the Summer of 1948. To Be Sponsored by the Atomic Energy Commission and the US Navy.</u> Lauren R. Donaldson, Applied Fisheries Laboratory, University of Washington. 9 p.	7 April 1948	X	X				X		
<u>Observation of Active Materials by Hydroids at the Eniwetok Lagoon During the Summer of 1947.</u> Lauren R. Donaldson, Applied Fisheries Laboratory, University of Washington. 8 p.	9 April 1948		X				X		
<u>Radiochemical Analysis of Biological Samples Collected at Eniwetok May 16, 1948.</u> Applied Fisheries Laboratory, University of Washington. 10 p.	16 May 1948		X					X	
<u>Eniwetok Radiobiological Recovery, July 1948.</u> Applied Fisheries Laboratory, University of Washington. 35 p.	July 1948	X	X	X				X	
<u>Eniwetok Radiobiological Recovery of 1948.</u> Lauren R. Donaldson, Applied Fisheries Laboratory, University of Washington. 55 p.	February 1949	X	X		X	X	X		
<u>Radiobiological Survey of Bikini, Eniwetok, and Eniwetok Atoll--July-August 1949.</u> Applied Fisheries Laboratory, University of Washington. 145 p.	12 July 1950	X	X	X	X	X	X	X	X
<u>The Relationship Between Ca⁴⁵, Total Calcium and Fission Product Radioactivity in Plants of <i>Halimolobos Obesipes</i> Growing in the Vicinity of the Eniwetok Lagoon Test Sites on Eniwetok Atoll.</u> O. Donoghue and Robert Cory, Applied Fisheries Laboratory, University of Washington. 15 p.	June 1952					X		X	
<u>Suggested Programs for the Biological Monitoring of Eniwetok Atoll Before and After the Testing Program, with a Recovery of Bikini Atoll.</u> Lauren R. Donaldson, Applied Fisheries Laboratory, University of Washington. 19 p.	25 July 1952						X	X	

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Table 2 (continued)

REFERENCE	DATE	Plankton/ Ocean Plants, Water	ANIMALS:			Soil, Land Plants	REFERENCE PERTAINS TO:		
			Marine	Invertebrates	Land		Bikini	Eniwetok	Other
<u>The Need for Continuation of Studies of Radi- ation Contamination of Biotic Forms at the Bikini and Eniwetok Testing Grounds.</u> Lauren R. Donaldson, Applied Fisheries Laboratory, University of Washington. 15 p.	October 1952	X	X			X	X	X	
<u>A Description of Tumors on Ipomoea Tuba from the A-Bomb Test Sites on Eniwetok Atoll.</u> Susan F. Biddulph and Orin Biddulph, Applied Fisheries Lab, University of Washington. 24 p.	April 1953					X		X	
<u>Radiobiological Studies at Eniwetok Atoll Be- fore and Following the Mike Shot of the Novem- ber 1952 Testing Program.</u> Lauren R. Donald- son, Applied Fisheries Laboratory, University of Washington. 126 p.	10 June 1953	X	X	X	X	X		X	
<u>Operations Outline for Program 19, Marine Survey Unit, of Operation Castle.</u> Lauren R. Donaldson, Applied Fisheries Laboratory, University of Washington. 30 p.	15 February 1954	X	X	X	X	X		X	
<u>Uptake of Iodine-131 by the Red Alga Aspara- gopsis taxiformis.</u> Ralph L. Palumbo, Applied Fisheries Laboratory, University of Wash- ington. 3 p.	20 November 1955	X						X	
<u>Survey of Radioactivity in the Sea Near Bikini and Eniwetok Atolls.</u> Lauren R. Donaldson, et al., Applied Fisheries Laboratory, Univer- sity of Washington. 39 p.	23 July 1956	X	X				X	X	
<u>Survey of Radioactivity in the Sea and In Pela- gic Marine Life West of the Marshall Islands, September 1-23, 1956.</u> Allen H. Seymour, Applied Fisheries Laboratory, University of Washington. 57 p.	15 March 1957	X	X					West of Marshall Islands	
<u>Radioactivity in the Reef Fishes of Belle Island, Eniwetok Atoll, April 1954-November 1955.</u> Arthur D. Welander, Applied Fisheries Labor- atory, University of Washington. 37 p.	17 May 1957		X					X	

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Table 2 (continued)

REFERENCE	DATE	Plankton/ Ocean Plants, Water	ANIMALS:			Soil, Land Plants	REFERENCE PERTAINS TO		
			Marine	Invertebrates	Land		Bikini	Eniwetok	Other
<u>Land Crabs and Radioactive Fallout at Eniwetok Atoll.</u> Edward E. Held, Applied Fisheries Laboratory, University of Washington. 34 p.	27 May 1957			X				X	
<u>Radioactivity of Invertebrates and Other Organisms at Eniwetok Atoll During 1954-55.</u> Rolshaw Benham, Applied Fisheries Laboratory, University of Washington. 52 p.	6 January 1958	X	X	X	X	X		X	
<u>Radionuclides in Plankton Near the Marshall Islands.</u> Frank G. Lowman, Applied Fisheries Laboratory, University of Washington. 31 p.	14 February 1958	X						X	
<u>The Biological and Geographical Distribution of ¹³⁷Cs in The Vicinity of the Eniwetok Test Site, April-September 1958.</u> Frank G. Lowman, et al, Laboratory of Radiation Biology, University of Washington. 36 p.	9 January 1959	X	X	X	X	X		X	
<u>Distribution of Radioactivity in Sea Water and Marine Organisms Following an Underwater Nuclear Detonation at the Eniwetok Test Site in 1958.</u> Ralph F. Palumbo, et al., Laboratory of Radiation Biology, University of Washington. 47 p.	6 February 1959	X	X	X				X	
<u>Radio-biological Studies at the Eniwetok Test Site and Adjacent Areas of the Western Pacific.</u> Lauren R. Donaldson, Laboratory of Radiation Biology, University of Washington. 7 p.	April, 1959	X	X	X	X	X		X	
<u>Gross Beta Radioactivity of the Algae at Eniwetok Atoll, 1954-1956.</u> Ralph F. Palumbo, Laboratory of Radiation Biology, University of Washington. 32 p.	31 August 1959	X						X	
<u>Further Contributions on Gross Beta Radioactivity of Biological and Related Samples at the Eniwetok Proving Ground, 1952-1958.</u> Rolshaw Benham, Laboratory of Radiation Biology, University of Washington. 41 p.	4 December 1959		X		X	X		X	X
<u>Land Crabs and Fission Products at Eniwetok Atoll.</u> Edward E. Held, Pacific Science, Vol. XIV, pp. 18-27.	January, 1960			X				X	

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Table 2 (continued)

REFERENCE	DATE	Plankton/ Ocean Plants, Water	ANIMALS:			Soil, Land Plants	REFERENCE PERTAINS TO:		
			Marine	Invertebrates	Land		Bikini	Eniwetok	Other
<u>Ecological Relationships of the Fish Fauna on Coral Reefs of the Marshall Islands.</u> Robert W. Hunt and Donald W. Strayburg, <u>Ecological Monographs</u> , Vol. 39, No. 1, pp 65-127.	January, 1960		X				X	X	X
<u>Flora of Eniwetok Atoll.</u> Harold St. John, <u>Ecology</u> , Vol. XIV, No. 4, pp 313-336.	October, 1960					X		X	
<u>Marine Biological Investigations at the Eniwetok Atoll.</u> Frank G. Lowman, Laboratory of Radiation Biology, University of Washington. Reprint from <u>Disposal of Radioactive Wastes</u> , pp. 106-148.	1960	X						X	
<u>The Difference in Uptake of Radioisotopes by Marine and Terrestrial Organisms.</u> Ralph L. Palumbo, University of Washington, <u>Radio-Ecology</u> , <u>Recent Advances in Botany</u> , pp. 197-197.	1961	X	X	X	X	X		X	
<u>Tension Gygrometer Studies of Ion and Moisture Movement in Glacial Till and Coral Atoll Soils.</u> B. W. Cole, et al., University of Washington, <u>Soil Science Society of America Proceedings</u> , Vol. 25, No. 4, pp. 321-323.	July/August 1961					X			Northern Marshalls
<u>Occurrence of Bismuth-207 at Eniwetok Atoll.</u> F. G. Lowman and R. F. Palumbo, <u>Nature</u> , Vol. 193, No. 4817, pp. 796-797.	24 February 1962							X	
<u>Recovery of the Land Plants at Eniwetok Atoll Following a Nuclear Detonation.</u> R. F. Palumbo, Laboratory of Radiation Biology, University of Washington, <u>Radiation Botany</u> , Vol. 1, No. 2, pp 182-189.	1962					X		X	
<u>Distribution of Radionuclides in the Environment of Eniwetok and Bikini Atolls.</u> A. D. Welander, College of Fisheries, University of Washington, Seattle. 8 p.	August, 1964	X	X	X	X	X	X	X	
<u>Gamma Dose Rates at Rongelap Atoll, 1954-1961.</u> Edward E. Held, Laboratory of Radiation Biology, University of Washington. 16 p.	May, 1965					X		X	Rongelap Atoll

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			Marine	Invertebrates	Land		Bikini	Eniwetok	Other
<u>Asoil Soil Types in Relation to the Distribution of Polonium Radioisotopes.</u> E. E. Held, et al, Laboratory of Radiation Biology, University of Washington. 37 p.	August, 1965					X			Rongelap Atoll
<u> autoradiography of Sectioned Soil Cores.</u> E. E. Held, et al, University of Washington. Reprint from <u>Radioisotope Sample Measurement Techniques in Medicine and Biology</u> , International Atomic Energy Agency, Vienna, pp 563-650.	1965					X			Rongelap Atoll
<u>Bikini-Eniwetok Studies, 1964, Part II: Ecological Observations.</u> Arthur D. Welfander, et al, Laboratory of Radiation Biology, University of Washington. 377 p.	15 September 1966				X	X	X	X	
<u>Radioisotope Cycling in Terrestrial Communities at Eniwetok Atoll.</u> William B. Jackson and Michael L. Carpenter, Department of Biology, Bowling Green State University, Bowling Green, Ohio. 8 p.	May, 1967				X	X		X	
<u>Nickel-63 in Marine and Terrestrial Biota, Soil and Sediment.</u> Thomas M. Beasley and Edward E. Held. <u>Science</u> , Vol. 164, pp 1161-1163.	6 June 1969							X	X
<u>Survival of Rats at Eniwetok Atoll.</u> W. B. Jackson. <u>Pacific Science</u> 23(3):265-275.	1969					X		X	
<u>Silver-108m in Biota and Sediments at Bikini and Eniwetok Atolls.</u> T. M. Beasley and E. E. Held. <u>Nature</u> , Vol. 230, pp. 450-451.	16 April 1971			X	X	X	X	X	
<u>Eniwetok Soil Results.</u> (Preliminary--no release) Environmental Protection Agency, Western Environment Research Laboratory, Las Vegas, Nevada.	8 November 1971					X		X	
<u>Eniwetok 239Plutonium in Soil.</u> Radiation Division, AFWL, Kirtland AFB, N. M. 23 p.	21 August 1972					X		X	
<u>Ground-Water Conditions on Eniwetok Atoll, with Comments on Effects of Use of Conventional Explosives.</u> F. C. Koopman, US Dept. of Interior, Geological Survey, Albuquerque, N. M. 27 p.	October, 1972					X		X	
<u>Ground-Water Conditions on Eniwetok Atoll with Comments on Effects of Use of Conventional Explosives.</u> (Undated preliminary report) 12 p.	(1972)					X		X	

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Table 3. References pertinent to the Eniwetok restoration and cleanup program.

- Military Government Handbook 17 August 1943
OPNAV 50E-1, Marshall Islands.
Office of Naval Operations. 113 p.
Includes basic information on the geography, resources, history, people, customs, organized groups, government, law and justice, public safety, public welfare, health and sanitation, education and propaganda, communications, public utilities, transportation, food production, industry, labor, property and exchange, finance, etc. for use by those concerned with military government and the control of civil affairs in the Marshall Islands.
- Handbook on the Trust Territory of the Pacific Islands. (A Handbook for Use in Training and Administration.) 1948
Navy Department, Office of the Chief of Naval Operations. 311 p.
Covers in broad general terms, rather than specific island coverage, the island setting; transportation and other facilities, population, historical perspectives, political status of the Islands, United States administration, background of political affairs, economic problems and policies, resources and their utilization, economic life, finance and commerce, land and labor, social conditions, religion, health, and education.
- Special Field Study, Ujilañ Atoll. 15 April 1955
Jack Tobin (District Anthropologist,
Marshall Islands District, Trust Territory of the Pacific Islands). 60 p.
This is a field report covering a study of the displaced Enewetak inhabitants on Ujilañ, covering the period 2/17/55 to 3/29/55. Includes anthropological and agricultural data.
- Military Geography of the Northern Marshalls. 1956
Prepared under the direction of the Chief of Engineers, US Army, by the Intelligence Division, Office of the Engineer, with personnel of the United States Geological Survey. 320 p.
Although the primary interest of this study is the military geology of the Northern Marshalls, topic divisions include general geography, atolls, climate, geology, hydrology, soils, vegetation, marine and animal ecology, military and engineering considerations such as living conditions and water supply. Well illustrated and diagrammed.

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TABLE 3 (continued)

- Ecological Relationships of the Fish Fauna on Coral Reefs of the Marshall Islands. January 1960
 Robert W. Hiatt and Donald W. Strasburg, Department of Zoology, University of Hawaii, and U. S. Fish and Wildlife Service, Honolulu, Hawaii. Ecological Monographs, Vol. 30, No. 1. pp 65-126.
 Examines 233 species of Marshallese fish. Categorizes feeding habits by foraging method; and by various coral reef habitats. Good descriptions and illustrations of study areas.
- Eniwetok Atoll, Marshall Islands. 30 August 1960
 John M. Street, compiler; William L. Thomas, Jr., editor. Prepared for the Pacific Missile Range, Point Mugu, California under provisions of the Geography Research Contract N123(61756)20599A (PMR) with the University of California. 63 p.
 Presents: physical description; history, ownership, and administration; population; land use; transportation, utility, and communications facilities; description of individual islets (12); and 23 references.
- Atoll Environment and Ecology. 1962
 Herold J. Wiens, Yale University Press.
 The author has assembled and correlated data and studies into an atoll reference book. Includes a chapter on man's effect on atoll ecology.
- The Resettlement of the Enewetak People: A Study Of. 1967
 J. A. Tobin. PhD Thesis, University of Michigan. 265 p.
 Information, presumably distilled from the 146 references listed, is divided into chapters dealing with historical background, the ecological setting; comparisons and contrasts in Marshallese culture; the social setting on Ujilang; ecologic and economic adjustments on Ujilang; the role of the church in the Ujilang community; and the socio-physiological adjustments of the Ujilang community.
- A Note on the Salt Tolerance of the Coconut Palm (Cocos nucifera L.). July 1968
 N. G. Cassidy, Department of Agriculture, Fiji. Trop. Agriculture, Trin., Vol. 45, No. 3. pp 247-250.
 (No abstract)

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TABLE 3 (continued)

- Preliminary Report: Eniwetok Atoll, Marshall Islands. March 1969
 Lawrence N. Huber. (No corporate author or sponsor given.)
 This report presents an ornithological survey of Eniwetok Atoll.
- Survival of Rats at Eniwetok Atoll. 1969
 W. B. Jackson, Pacific Science, 23(3):265-275.
 Examines the survival of rats at Eniwetok during the nuclear testing period (1948-1958). Traces rat populations and hypothesizes that the roof rat survived testing while the Polynesian rat was exterminated.
- Island Bibliographies Supplement. 1971
 Marie-Helene Sachet and F. Raymond Fosberg, Pacific Science Board, National Academy of Sciences. 427 p.
 References relate to Micronesian botany; land environment and ecology of coral atolls; and vegetation of tropical Pacific islands. Contains approximately 31 titles specifically related to Eniwetok.
- Preliminary Report: Pre-test Terrestrial Biota Survey of Sally-Tilda-Ursula Islets, Eniwetok Atoll, M. I. Undertaken Jan-Feb, 1972 for P. A. C. E. 25 February 1972
 Dr. William B. Jackson, et al, Environmental Studies Center, Bowling Green University. 20 p.
 The vegetation survey includes a list of plant species and a generalized vegetation map. Bird observations include species and estimated populations, nesting, and roosting sites. Rodent studies include reproductive status and autopsy data, as well as behavioral observations.
- Eniwetok-Field Trip Report. 17 May 1972
 Trust Territory of the Pacific Islands, Office of the High Commissioner, Saipan, Mariana Islands. 66 p.
 This is a combination of three reports of visits by teams including Trust Territory personnel, representatives from the Micronesia Legal Services Corporation and the Ujelang Municipal Council, several US Government agencies and contracting firms. Describes the islands visited: Japtan, Runit, Engebi, Rojoa, Eberiru, and Eniwetok. A description of facilities on Eniwetok Island and their condition is included as the Maintenance Supervisor's report. A preliminary agricultural survey of the District Agriculturist is included.