The Bureau of Planning Guam Coastal Management Program's Speakers Handbook

Environmental Related Subjects



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Foreword

This handbook, compiled and coordinated by the Guam Coastal Management Program, is a directory of individuals within the Government of Guam, with expertise in areas of the environment, development, and planning. It is our intent to provide this handbook to schools, civic organizations, or other like groups looking for speakers or expertise for education and enlightenment. It is not the purpose of the directory or speakers herein to present the political right or wrong of an issue, but merely the truth of an issue in order for the public to arrive at their own opinion regarding issues facing our community.

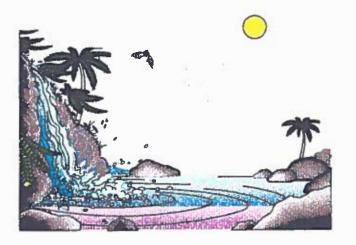


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Directory for Environmental Related Issues

Name: Michael L. Ham

Title: Administrator, Guam Coastal

Management Program.

Agency: Bureau of Planning

Phone: 472-4201/3 **Fax:** 477-1812

Field: Development, Land-Laws, Federal

activities, 200 mile exclusive economic zone, Planning, Community Management, Environmental Planning, Public

Lands.

Bio-Data: BA (history) from California State

University Northridge. Worked with President of Malibu Township Council for two years on public access, endangered species, hazard and disaster response and mitigation, estuary, and transportation planning issues. Started at the Bureau of Planning in June 1981 as Planner I with Guam Coastal Management Program. Promoted to Planner III in 1982, and Administrator in October

1984.

Topics: <u>Development</u> - The history of physical

development on Guam since 1962;



associated impacts on infrastructure, land values, and community quality; interpretation of zoning laws, seashore protection law, and other land - use laws of Guam, and; shortcomings and strengths of the process for development. Planning - I Tano 'Ta, management of public properties, community protection, new approaches. Environmental Protection - the connection between man and nature, successes and failures on Guam. Federal Activities - The Exclusive Economic Zone, Coral Reef Initiative, Army Corps of Engineers, review of Military activities.



Less than 3.7% of Guam's total land mass is wetlands. These valuable lands help prevent flooding, help clean the waters going into our water lens, protect our coral reefs from pollution, and provide habitat for a wide variety of wildlife. For any development in, or which may impact on a wetland, a permit from the U.S. Army Corps of Engineers is required, as well as approval by the Territorial Land Use Commission. Protection of wetlands and their functions is essential to maintaining and improving the quality of life on Guam.



Name:

Evangeline D. Lujan

Title:

GIS Manager

Agency:

Bureau of Planning

Phone:

472-4201/3

Fax:

477-1812

Field:

GIS - Geographic Information System

Education:

Master of Science in Engineering,

Industrial Engineering specializing in Information System Design, Graduated Arizona State University 1987. B.A. Mathematics from

University of Guam.

Bio-Data:

Bureau of Planning: Geographic Information Systems Manager, 1990 - Present. Graphic Interface: Geographic Information Systems Manager, Application Developer, 1990. Duenas and Swavely, Inc.:

Geographic Information Systems Manager, 1987 - 1990.

One quart of waste oil dumped carelessly can contaminate up to 2 million gallons of drinking. Waste oil from car engines can be dropped at service stations for recycling. Call Guam Environmental Protection Agency for more information.



Mark P. Stacy

Title:

Nonpoint Planner III, Source

Pollution Planning

Agency:

Bureau of Planning/Guam Coastal

Management Program

Phone:

472-4201/3

Fax:

477-1812

Field:

Non Point Source Pollution

Education:

MS Business, Husson College,

Bangor, Maine. BA Psychology, University of the State of New York,

Albany, NY.

Experience: Health Education Planner, American

Electronics Systems Red Cross. Specialist, US Navy Systems Analyst,

Sorenson Pacific Broadcasting.

Topics:

Pollution carried by storm water; agricultural pollution prevention; urban growth and its impact on coastal waters: wetlands and their water cleaning functions; impact of marinas and recreational boating on

the uses of coastal waters.



Guam's population of 150,000 residents and 12,000 daily visitors can flush as much as 3.25 million gallons of water daily, when using the common place 5 gallon toilet. By replacing those with 1.6 gallon toilets, up to 2.2 million gallons of water from the aquifer can be conserved.

Name:

Dr. Steven Amesbury

Title:

Professor

Agency:

UOG, Marine Lab

Phone:

734-2421

Fax:

734-6767

Field:

Fishes of Coral Reefs

Education:

B.S. in Anthropology, University of

Arizona, 1967, M.S. in Zoology, University of Arizona, 1969, Ph.D. in Zoology, University of Hawaii,

1975.



The abundant biological diversity of the coral reef ecosystem not only includes coral and commercially important species associated with the reef, but tens of thousands of other plant and animal species. Coral reef systems are under increasing pressure. Of the approximately 600,000 sq. km of coral reefs worldwide, it is estimated that about 10% have already been degraded, perhaps beyond recovery. Further degrading of coral reef ecosystems will have significant impacts on world food sources, fishery and tourist industries, and devastating impacts on millions of people around the world for whom coral reefs represent the primary source of livelihood.



Dr. Valerie Paul

Title:

Professor

Agency:

UOG Marine Lab

Phone:

734-2421 734-6767

Fax: Field:

Marine Toxins, Marine Ecology

Education:

University of California San Diego, Scripps Institution of Oceanography,

Ph.D. in Marine Biology, 1985. University of California, San Diego, B.A. in Biology and Studies in

Chemical Ecology, 1979.

Bio-Data:

Professor, Marine Lab, 1993 - present, Director, Marine Lab, 1991 - 1994, Assistant Professor, Marine

Lab, 1985 - 1993, Research Assistant/Doctrinal Candidate, Scripps Institution of Oceanography,

1980 - 1985.



The purpose of the Territorial Land-Use Commission is to protect the rights and interests of the community when developers request large scale developments, zone changes which will lead to changes in the community, zone variances (or exemptions from the law the rest of the community must meet). The community's responsibility is to attend public hearings and express their concerns or support.



Name:

Dr. Robert Richmond

Title:

Professor of Marine Biology

Agency:

UOG Marine Lab

Phone:

734-2421

Fax:

734-6767

Field:

Coral Reefs, Marine Biology,

Environmental Issues

Education:

B.S. in Bio-geology with High Distinction, University of Rochester, 1976; M.S. in Marine Environmental Sciences, SUNY at Stony Brook, 1982; Ph.D. in Biological Sciences,

SUNY at Stony Brook, 1983.

Bio-Data:

Professor of Marine Biology, University of Guam Marine Laboratory 5/92-present. Director. UOG Marine Lab, 10/88 - 9/91. Visiting Professional Colleague. Pacific Biomedical Research Center. 1/92 - 6/92. Adjunct Graduate Faculty, Zoology Dept., University of Hawaii. Post Doctoral Fellow. Smithsonian Tropical Research Institute, 1/84 - 12/85. Research Assistant, Mid-Pacific Research Lab. Enewetak Atoll, 3/80 - 12/81. Research Assistant. Dept. Radiation Biology and Biophysics, University of Rochester, 1/75 - 6/76.



Dr. Charles Birkeland

Title:

Professor

Agency:

UOG Marine Lab

Phone:

734-2421

Fax:

734-6767

Field:

Coral Reefs Management, effects of

nutrient input on Coral Reefs

Education:

B.S. in Zoology, University of Illinois, 1985, M.S. in Zoology, University of Washington, 1968, Ph.D. in Zoology, University of

Washington, 1970.

Bio-Data:

Professor, University of Guam Marine Laboratory 1982-present, Director, University of Guam Marine Laboratory 1979-1982, Associate Professor, University of Guam Marine Laboratory 1975-1979, Postdoctoral Associate, Smithsonian Tropical Research Institute, 1970-1975.



"Dwellers by the sea cannot fail to be impressed by the sight of its ceaseless ebb and flow, and are apt, on the principles of that rude philosophy of sympathy and resemblance... to trace a subtle relation, a secret harmony, between its tide and the life of man..." -Sir James Frazer



Name:

Dr. Stephen G. Nelson

Title:

Professor of Marine Biology

Agency:

UOG Marine Lab

Phone:

734-2421

Fax:

734-6767

Field:

Stress Ecology, Marine Ecology,

Bioassay & Biomonitoring

Education:

University of California, Davis, Ph.D. in Ecology, 1976, San Diego State University, B.S. in Zoology

1979; M.S. in Biology, 1975.

Bio-Data:

Director. Marine Laboratory. University of Guam, 1994 to present. Assistant Professor to Professor. Marine Lab, UOG, 1977 to 1994. Visiting Professor, National Taiwan University, Department of Agricultural Chemistry, 1991. Director Marine Lab, UOG 1982 to 1985. Post-Graduate Water Scientist. Department of Land, Air, and Water Resources, University of California,

Davis 1976-1977.



Prior to 1976, the Territorial Seashore Reserve, an area requiring special permission for development, extended 100 meters inland from the mean high water line. Since 1976, only 10 meters of land are included, due to Legislative actions to remove the protections.

Name: Joe Tenorio

Title: Public Information Officer Guam Fire Department Agency:

Phone: 472-3304/5 Fax: 472-3360

Field: Wildland fires & its effects on the

environment

University of Guam, B.S. in Public **Education:**

Administration.

Bio-Data: Currently assigned as the Guam Fire

Department's Safety Officer. Assigned on 4/19/94 to Director's Office and assumed rotating assignments as either the Public Information Officer: Staff Inspector; Chief's Aide; or Safety Officer. Promoted to Fire Inspector and assigned to Fire Prevention Bureau, GFD on 11/91. Started Fire Service career with GFD in 1983. Transferred to the Consolidated Navy Fire Department, NAS, Guam in 7/85; and then on 3/88 transferred to

Guam Fire Department as a Fire Fighter. Fire Service essentially been

the Puget Sound Naval Shipyard Fire

Department, Bremerton, Washington. On 5/89 returned to work for the

continuous.



Name: Mayoral O. Bumagat

Title: Engineer I

Agency: Public Health & Social

Services/Division of Environmental

Health.

Phone: 734-7254 Fax: 734-5556

Field: Plans and Specifications on Health

Regulated Establishments

National University, B.S. Civil **Education:**

Engineering.

Bio-Data: Engineer I, Department of Public

> Health and Social Services, Division of Environmental Health, 1991 -

Present.

Name: Gerardo P. Legaspi JR

Title: Environmental Health Specialist III Agency:

Health Public Social

Services/Division of Environmental

Health.

Phone: 734-7315 Fax: 734-5556

Field: Food Safety & Consumer Product

Safety.

Mapua Institute of Technology, B.S. **Education:**

in Mechanical Engineering.

Environmental Health Specialist III, Bio-Data:

DPHSS, Division of Environmental

Health 1975 - Present.



Name: Francis J. Taitano

Title: Public Health Inspector, Supvr.

Agency: Public Health & Social

Services/Division of Environmental

Health

Phone: 734-7222 Fax: 734-5556

Field: Rodent Control, Public Health Pest

Control & Related Diseases

Name: Alejandro Q. Soto

Title: Environmental Health Specialist I

Agency: Public Health & Social Services/Division of Environmental

Health

Phone: 734-7314 Fax: 734-5556

Field: Animal Control & Quarantine

Education: University of the Philippines, B.S. in

Chemistry.

Bio-Data: Section Head of the Animal

Control/Animal Quarantine Section of the Division of Environmental Health, DPHSS; vice chairman on the Governor's health Task Force on

Vector Control.

Environmentalists may be troublesome neighbors, but they make wonderful ancestors.

Name: Dr. O. V. Natarajan

Title: Administrator, Division of

Environmental Health

Agency: Department of Public Health and

Social Services

Phone: 734-7209 **Fax:** 734-5556

Field: Environmental Health, Environmental

Protection, Energy Conservation, Water Supply, Waste Water

Disposal.

Education: Oklahoma State University, Ph.D.

Bio-Environmental Engineering, 1968. Annamalai University, M.S., Public Health Engineering, 1963. Madras University, B.S., Civil

Engineering, 1957.

Bio-Data: Administrator, Division of

Environmental Health, 1990 Present. Consulting Engineer, 1988 1990. Assistant Director,
Commonwealth Utilities Corporation;
Saipan, 1986 - 1988. Sanitary
Engineer, World Health

Organization, 1981 - 1986. Federal Program Strategist, PUAG, 1979 -1980. Administrator, Guam EPA,

1973 - 1979. Sanitary Engineer & Administrator; Pollution Control.

DPHSS, 1968 - 1973.



Alma S. Lansang

Title:

Health Educator II

Agency:

Health Public &

Services/Division of Environmental

Social

Health.

Phone:

734-7215/6

Fax:

734-5556

Field:

Food Service Sanitation

Education:

Bachelor of Science in foods and

Nutrition.

Bio-Data:

Public Health æ Social

Services/Division of Environmental Health, Health Educator 1988 -

Present.

Training:

Certified Trainer in Food Service Sanitation by the National Restaurant

Association, Retail Food Service Sanitation Conducted by the U.S.

Food and Drug Administration.



"Enlighten the people generally, and tyranny and oppressions of body, and mind will vanish like evil spirits at the dawn of day." -Thomas Jefferson.

January 6, 1816



Name:

Eugene E. Okiyama

Title:

Environmental Health Specialist

Agency:

Public Health

Social Services/Division of Environmental

Health.

Phone:

734-7236

Fax:

734-5556

Field:

Radiological Health

Education:

B.S. Engineering; Major Biomedical

Engineering.

Bio-Data:

Drafting of rules and regulations on

radiological protection, inspection of health regulated establishments, conduct food sanitation workshops.

Training:

"Introduction to Radiation

"Health Physics and Protection" Radiation Protection and Nuclear

Medicine"



"The government shall encourage efficient design of residential areas, restrict such development in areas highly susceptible to natural and manmade hazards, and recognize the limitations of the island's resources to support historical patterns of residential development."

-Executive Order 78-37



Thomas Nadeau

Title:

Environmental Health Specialist I

Agency:

Health Social Public

Services/Division of Environmental

Health.

Phone: Fax:

734-7226 734-5556

Field:

Pharmaceutical Control

Substances/Drugs (OTC)

Education:

Bachelor Degree in Biology

Bio-Data:

Two years with Control Substance

Program, in assisting inspection and investigation of registrants and individuals suspected of diverting pharmaceutical controlled substances.

Training:

DEA's Advance

Diversion

Investigation.



In 1993, on Guam: there were 305 alcohol related traffic accidents, 900 DUI arrests, 72.3 percent of all violent crime and 35.4 percent of all property crimes were alcohol/drug related. There were 40.5 violent and/or property crimes per every 1000 population. There were 2.6 police officers per 1000 population.

-Bureau of Planning, January 1995



Name:

Rosanna Y. Rabago

Title:

Environmental Health Specialist I

Agency:

Public

Health

Social

Services/Division of Environmental

Health.

Phone: Fax:

Field:

734-7226 734-5556

Clean

Hazardous Air Act.

Substances, Cosmetics Portion of FDA. Cemeteries & Mortuaries

Program.

Education:

Bachelor degree in Biology

Bio-Data:

Two years with program conducting

reenforcement workshops, preparation of educational materials. inspect and enforce the act in

establishments.



"All activities and uses shall comply with all local pollution regulations and all appropriate federal air quality standards in order to ensure the maintenance of Guam's relatively high air quality."

-Executive Order 78-37



To report marine pollution on our shores or out at sea call Sea Partners, Ensign Scott Wetter at 339-2001, extension 164, between 8:00 a.m. and 3:00 p.m.

Name: Marc A. Gagarin, PE

Title: Chief Engineer - Highways

Agency: Dept. of Public Works

Phone: 646-3126 **Fax:** 649-7867

Field: Erosion Control on Highway

Construction.

Education: B.S. in Civil Engineering - 1968.

National University - Manila, P. I. Attended University of Virginia's Post Graduate Program in Public Administration, 1978. Registered Professional Engineer - California,

Guam & Virginia.

Bio-Data: Chief Engineer - Division of

Highways, DPW, July 1993 -Present. PS&E Design Program Manager, **Federal** Highway Administration, Washington, D.C.-Eastern U.S. 1989 - 1993. A & E and Value Engineering Coordinator, Federal Highway Administration 1986 - 1989. Location Engineer -Federal Highway Administration Special Projects 1983 - 1986. Program Manager - 1979 - 1983. Highway Design Engineer - Federal Highway Administration 1976 -1979. Principal Engineer, Division of Highway, DPW - 1974 - 1976.



Name: Perlita L. Sucgang

Title: Engineer II

Agency: Dept. of Public Works Phone: 646-3217/3133/3258

Fax: 649-7867

Field: Protection & Enhancement of the

Environment through Landscaping.

Education: B.S. Civil Engineering - 1980, Saint

Mary's University, P. I. Attended Master of Science in Business Administration (MSBA) 1986-88.

Bio-Data: Engineer II, Division of Highways,

Department of Public Works. Project Engineer, RRR and Associates, Inc., Guam. Assistant Civil Engineering Professor - 1988 - 1989. Senior Civil Engineering Instructor - 1980 -

1987.



When we landscape, we are telling our community; "Here is how I view my place in the community, and here is how I wish the community to view me and my family." We display the essence of ourselves through our use of grasses and plants, and the maintenance of them thereafter. Our simplicities and complexities are framed by our use of the land.



Name: Dr. H. Galt Siegrist, Jr. Title: Professor of Geoscience

Agency: WERI/UOG **Phone:** 734-3132/9339 **Fax:** 734-8890

Field: Environmental Geology, Coral Reef

Geology

Education: BA, 1956, Geology Lehigh

University. MS, 1959, Mineralogy and Geochemistry. The Pennsylvania State University. Ph.D., 1961, Mineralogy and Geochemistry, The Pennsylvania State University.

Name: John Jenson

Title: Hydrogeologist/ Asst. Professor

Agency: WERI/UOG **Phone:** 734-3132 **Fax:** 734-8890

Field: Groundwater Geology, computer

modeling, effects of sea level and

climate changes.

Education: B.S., U.S. Air Force Academy.

M.A. University of Michigan. Ph.D.

Oregon State University.

Bio-Data: Assistant Professor, University of

Guam, 1993 to present, former resident of Oregon, Idaho and Montana, active duty on USAF 1975-

1986.

Name: Dr. Gary R. W. Denton

Title: Associate Professor of Environmental

Toxicology.

Agency: WERI/UOG Phone: 734-3132/9336

Fax: 734-8890

Field: Environmental Pollution Problems,

Water Quality, Aquatic Toxicology

Education: B.S., 1970, Biological Science,

University of London. Ph.D., 1974, Marine Zoology, University of

London.

Bio-Data: Research Fellow, James Cook

University of North Queensland, Townsville, Australia, 1974-1986. Research Associate, College of Agriculture and Life Sciences, University of Guam, 1989-1990, Assistant Professor, WERI, University of Guam, 1990-1993, Associate Professor, WERI, University of Guam, 1993 to present.



"Safe drinking water shall be assured and aquatic recreation sites shall be protected through the regulation of uses and discharges that pose a pollution threat to Guam's waters..."



Dr. Leroy F. Heitz

Title:

Professor of Engineering

Agency:

WERI/UOG

Phone:

734-3132/9336

Fax:

734-8890

Field:

Surface water hydrology, hydraulics,

water resources planning, application of Geographic Information System (GIS) to water resources problems.

Education:

B.S., M.S., Ph.D., Civil

Engineering, University of Idaho.

Bio-Data:

Hydraulic Engineer, Army Corps of Engineers 1972-1976, Project Engineer. **Engineers** Tudor Company, 1976-1977, Assistant Professor of Engineering Science, University of Idaho, 1980-1986, Director, WERI, University of 1986-1989. Guam. Associate Professor Professor and of. Science. 1993 Engineering Present, Registered Professional Engineer, State of Idaho, 1977-1994. Territory of Guam, 1986-1994.



"While water rushes over volcanic rock, smoothing as it runs. The animals of the raving forest and grasslands gather at the water's edge in the pale light of morning, or beneath the claws of Cancer."

-Guahan The Fragile Gift, 1984

Name:

Dr. Shahram Khosrowpanah

Title:

Director, Water and Energy research

Institute

Agency:

WERI/UOG

Phone:

734-3132/9336

Fax:

734-8890

Field:

Hydraulics, Water Distribution

System, Sediment Transport,

Hydropower.

Education:

B.S., 1976, Irrigation, Rezaieh University, M.S., 1979, Civil

Engineering (Hydraulics) Colorado State University, Ph.D., 1984, Civil Engineering (Hydraulics) Colorado

State University.

Bio-Data:

Director, Water and Energy Research

Institute of the Western Pacific, (WERI), University of Guam, 1989 to present. Professional Engineer for the Territory of Guam, 1989 to present. Consultant Engineer, 1976-

1978.



"Tomorrow is the most important thing in life. Comes into us at midnight very clean. It's perfect when it arrives and it puts itself in our hands. It hopes we've learned something from yesterday."

-John Wayne

Benedict J. G. Reyes

Title:

Deputy Director

Agency:

Civil Defense/Guam Emergency

Service Office.

Phone: Fax:

477-9841/4

rax:

477-3727

Field:

Emergency Management Operations,

Typhoon/Earthquake Preparedness.

Education:

Bachelor of Science in Criminal Justice 1985 - University of Guam, Emergency Management Institute 1985 - 1990, California Specialized Training Institute 1991 - 1993.

Bio-Data:

Planner IV, Earthquake Program Defense/Guam Civil Manager Emergency Services Office. Employed February 1985 - Present. Responsibilities include assisting the Director of Civil Defense in all aspects of Emergency Management (mitigation, preparedness, response and recovery). In charge of plans and operations for CD/GESO. During normal operations, oversee various Federal Emergency Management Agency (FEMA) programs include: Emergency Management Training. Disaster Preparedness Improvement. Emergency Management Assistance.



Instrumental in the completion of the Territorial Emergency Plan, the State Administrative Plan for Public Assistance, the Agency's Emergency Operations procedures. The Territory of Guam's State Training Officer, responsible for all Emergency Management Training for Government of Guam departments and agencies. During emergency operations, oversee the activation of the Emergency Operation Center (EOC).



"You are the wardens of the Earth, and into your hands is placed the fate of your home. Take care with this responsibility and you will succeed. Be driven by the rule: The guarded should always be loved by the guardian. Take the gifts of the Earth, for they are yours. But remember, those things which you take today, you take from your children's tomorrow."

For more information on the Guam Coastal Management Program, call 472-4201/2/3 fax 477-1812.



GCMP Quick List Reference

Bureau of Planning 472-4201/3 Fax- 477-1812
UOG, Marine Lab 734-2421 Fax- 734-6767
Guam Fire Department
472-3304/5 Fax- 472-3360
Public Health and Social Services/Division of
Environmental Health 734-7254 Fax- 734-5556
Department of Public Works/Building Permit
Section (to report violations)
472-7867 Fax- 472-2128
UOG, Water Energy Research Institute 734-3132
Fax- 743-8890
Guam Environmental Protection Agency (to report
environmental violations)
472-8863 Fax- 477-9402
Civil Defense 477-9841 Fax- 477-3727
Department of Parks and Recreation
475-6296 Fax- 472-9626

"The Government of Guam Shall ...protect beaches and such passive recreational areas as wildlife and marine conservation areas, scenic overlooks, parks, and historic sites"

-Executive order 78-37