

Historical Data Gap Analysis: Final Report



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Prepared for the Coral Reef Advisory Group
(CRI funded project - 3 months duration)

There is a long history of scientific study in American Samoa. Beginning in the early 1900's with A.G. Mayor and L.R. Cary, the coral reefs and fisheries resources have had many of their aspects investigated. Although there is a large body of literature on American Samoan coastal and marine issues, much has been lost during the intervening years, due largely to a deficient storage and recording system. The Coral Reef Advisory Group (CRAG), operating under the auspices of the US Coral Reef Initiative (CRI), identified this deficiency and outlined a program to collect all reports, publications and other media relating to the Samoan Archipelago into a single literature compendium, thus creating the historical data gap project. The purpose of this project was to initiate that process by locating as much of the grey and published literature pertaining to the Samoan Archipelago, and to determine where gaps lie, both in the body of literature and in the quality of scientific investigations. This study is by no means comprehensive, although I believe that a significant proportion of the literature pertaining to the Samoan Archipelago's coastal and marine environments has been located.

Most of the literature relevant to the Samoan Archipelago can be categorized into three types. 1) The first and most common are unpublished departmental or consultancy reports. These vary from short annual funding updates, to popular articles and departmental technical or biological reports. 2) Conference proceedings, and 3) papers published in refereed scientific journals, such as the Fishery Bulletin and Coral Reefs. In some cases, information is duplicated in several reports and publications. Despite this, there still remains much work to be done.

I would make several recommendations to address the gaps in the scientific literature and to improve the quality of products being produced from American Samoa. Firstly, much of the research carried out in the various departments and organizations throughout American Samoa is written up and kept as 'in-house' reports. If these studies were prepared and deposited in a central library (e.g. the Pacific Room – Feleti Barstow Library), this would not only provide an invaluable reference collection for future researchers, but also help to reduce the current redundancy in project preparation and data collection. In addition, as the Pacific Room is a reference collection, housing relevant literature here would make certain it remained available to everyone in a permanent repository. This would alleviate the time and resources that are currently wasted during the initial 'set-up' phase of any research project since the articles would be readily available at all times.

The second issue is the improvement of report writing. Very little information has been written up into reports over the past 5-6 years other than annual reports such as fisheries statistics from the Western Pacific Fisheries Information Network and the American Samoa Environmental Protection Agency. These agencies are to be commended for their diligence in following through with reporting on their various research initiatives. Undoubtedly during this time projects have been started and data has been collected by various other agencies but few reports have been written. The lack of reporting is not due to a lack of research programs, but rather a failure by some agencies to present their findings in a form useable to others. For example, many of the Fed-aid projects by DMWR are reported in a fashion that satisfies the funding body, but are not written up in a scientific format, thus failing to add to the body of literature on the Samoan archipelago. It is worth

making the point that all research funding is aimed at producing reports that are useful for the conservation and management of marine resources, not purely to satisfy government funding quotas. To further illustrate this point, during a recent clearing of the Department of Marine and Wildlife Resources records, folders of raw data were located that had been collected by scientists who were no longer in American Samoa and which had not been written up in report form. When this happens the data is wasted and unusable for anyone else wishing to use the information to build off of in his/her projects. By ensuring that reports are written prior to staff changes, there would be more accountability in projects done in American Samoa. Each report would add to the body of literature and add to the knowledge on this archipelago to aid in protection of coral reefs, sport fish restoration, and restoration of key habitats.

Improved report writing is only one step in the greater process. Simply churning out badly written reports is almost as deficient as not writing a report at all. In some cases, reports, written in the past, were scientifically inadequate. Mistakes such as misclassification of barnacles as molluscs (Kluge, 1992), using a mesh size to sample plankton that would allow half of the target organisms to evade capture (Kluge-Edmonds, 1991), and inadequate or absent controls (Mayor, 1924; Dahl & Lamberts, 1977) call into question the validity of the conclusions reached in the reports.

There is a greater concern however, as most of the projects carried out lack a degree of scientific rigor. By this I mean that they are vulnerable to challenges to the conclusions and recommendations or at the very least misinterpretation of the data gathered. This could be remedied by external project review at various stages

such as when the proposal is submitted and periodically during the project. Periodic reviews would also help to keep projects running on schedule and increase the possibility of a report being produced during the contract time.

There has also historically been a shortage of statistical analysis in reports from American Samoa. This can lead to differences in opinion with what the data shows. The shoreline fishery is a good example of the lack of data integrity. Three reports were written at around the same time on the shoreline fishery with different interpretations of the data (Wass, 1980; Ponwith, 1991; McConnaughey, 1993). Some problems could have been fixed, and hopefully will be in the future, by checking and editing the report before submitting it. Too many reports are prepared by staff and are not peer reviewed by fellow staff either within department or interagency. Problems with sampling design and statistics usage could prove to be more difficult to address as it will probably involve asking for help from other scientists both on and off island.

Another issue in the reporting procedure for inshore fishery data is the sole dependence on interviews for information. Interview surveys are notoriously unreliable as interviewees will under report catches and lessen the importance of certain fishing methods to protect their way of life. Creel surveys and interviews with fishermen and villagers should be backed up with quantitative sampling methods. Quantitative methods are repeatable and can be analyzed with statistical rigor not possible with qualitative methods. Using both qualitative methods (creel surveys, interviews) and quantitative methods (experimental fishing) will provide the optimal and most comprehensive information on the inshore fishery.

Another suggestion to improve the quality of reporting in American Samoa is to push for more studies to be published in refereed scientific journals. As these journals review each article before publishing it, they demand a high quality of writing and will refuse to publish any substandard articles. In addition, at any one time there may be several scientific staff on island that are already acting as review editors for high quality scientific journals such as the Marine Ecology Progress Series, Coral Reefs and Marine Biology. Resources such as these should be utilized as much of the literature published throughout the Pacific region is already being filtered through these biologists. This will also aid in placing American Samoa coral reef research in the forefront of Pacific science by allowing other scientists to see what sort of studies we are doing and possibly attracting their interest (and research money) to the archipelago.

The next point is the need for baseline data. It is very hard to determine whether a fishery is in danger or a habitat is degraded if there is no information on what is normal or acceptable. For instance, Pago Pago harbor would seem degraded by the standards of many agencies around the world yet there is coral growth and fish life in most areas of the harbor. Fortunately, there is a long record of baseline information for the harbor, such as long term monitoring of water quality and the periodical resurvey of the Mayor transect over 78 years which is proving useful to on island researchers and managers allowing them to track changes in water quality and the health of the harbor over time. This information is lacking for much of the rest of the territory and some habitats, such as mangrove, beach and intertidal areas. Baseline data would be particularly useful in light of several projects now going on or in the planning phase around the territory. These projects

include the shifting of the road on Avau Point, Tutuila and the airport runway extension on Ofu. By knowing what habitat will be destroyed and the health of the surrounding habitat, the impact of these two projects, and many others can be determined and possibly alleviated. Baseline data is integral in such cases as these, as is a need for an environmental impact assessment and recovery assessment.

Following on from the need for baseline data is the need for continuity in sampling. Sampling a series of transects in one habitat one time is good. Sampling the same transects over many years is better in terms of long term monitoring and improved understanding of ecosystems. Sampling transects over many habitats with appropriate controls over many years would be ideal for monitoring and integrating the entire ecosystem. For such long term monitoring a few things are integral.

1. Experiments need to be repeatable. This means that not only do we need a good description of the project methods and good reporting of results, but also the project needs to be scientifically adequate enough to repeat over time.
2. Projects need to be repeated. There are many good reports on American Samoan marine resources with adequate controls, good science, and repeatable methods that are done once and but are never repeated. One such example is the Pala Lagoon fishery studies by Ponwith (1992) and Iose (1991). These were solid scientific studies that could have been continued/repeated, but there has been no further reporting since 1992. In

addition, Mayor's transect has not been sampled since 1997 and this study could be both expanded and repeated, possible on a two year basis.

There are many other fisheries and habitats around the island that would benefit from long term monitoring (e.g. Coral habitat surveys, ecology and biology of key reef species, creel and market surveys in conjunction with experimental fishing studies, and periodic survey of standing stocks of marine vegetation).

Despite the problems with the reporting process in American Samoa, there is a lot of good information available on the marine ecosystems, fisheries resources, and marine parks. With a little effort, the quality and quantity of scientific literature being produced from American Samoa can be improved for the betterment of management and conservation. Improvements can be made in the reporting, science, baseline data, and repeatability of studies from American Samoa.

Conclusions and areas for immediate research

The following is a list of gaps in the territories research activities:

- Studies of the algal and seagrass communities,
- Detailed studies of invertebrate communities (sea urchins, beche de mer, lobsters, star fish – particularly COTS, plus other important taxa),
- The collection of basic biological data (age and sex structure of reef fishes),
- Studies on the larval supply process and recruitment into island reef fisheries at various spatial and temporal scales,

- Detailed surveys of Pago Pago harbor (development EIA, algae, fish and coral communities,
- Assessments of anthropogenic impacts on coral reef communities,
- EIA's, both prior to, during and after coastal developments (Before After Control Impact studies)
- Detailed studies of under-represented habitats such as beach, intertidal, and deeper offshore areas
- Identification of areas needing special protection and/or restoration

In addition to looking at scientific gaps, this project also addressed the gaps where literature that had been written was missing. Attached is the bibliography generated from this search. Over 500 sources were found pertaining to the Samoan archipelago (both American and Western Samoa). In general, I was successful in finding and obtaining a large portion of the missing literature. However, the 3 months allocated for this task was insufficient to procure a comprehensive library. As such, this is an ongoing project and will require the active participation of all agencies involved in research in the territory. I actively encourage all agencies to submit report series to the Coral Reef Advisory Group for inclusion in the "Samoan Archipelago research report series" that will be established at the Feleti Barstow Library.

For the most part, people were helpful in assisting me with finding and obtaining literature that was stashed away in private collections and back corners of libraries from the various agencies in American Samoa. I was, however, unable to gain access to some libraries due to a lack of library organization, library

relocation, time constraints and schedule conflicts. Hopefully, those people I did not get to visit will donate copies of reports they know they have that are not represented in the bibliography generated from this project. In addition, some sources are en route to American Samoa from various off island agencies (SPREP, FAO). These are included in the bibliography with the notation "en route from...". Copies of all the papers found will be located at the DMWR fisheries office and the Feleti Barstow Library in due course. Due to time constraints and the late provision of funds to purchase duplicate copies (one week prior to contract completion) copies have not been made for all of the departments involved in the Coral Reef Advisory Group (CRAG). However, the Feleti Barstow library will hold the entire collection for use by all agencies. In addition, copies of this report, a hard copy of the bibliography, and a disc copy of the bibliography will be provided to CRAG at the earliest convenience.

This project was begun to address gaps in the data gathered from American Samoa on coastal and marine issues. These gaps existed both in the science and in the body of literature available on island. These concerns have been addressed by the creation of a comprehensive bibliography (attached) and this report.

Literature Cited

- Dahl A, Lamberts A (1977) Environmental impact on a Samoan coral reef: a resurvey of Mayor's 1917 transect. *Pacific Science* 31(3):309-319
- Iose P, McConnaughey J (1993). Fishery resources in Pala Lagoon. American Samoa, Department of Marine and Wildlife Resources: 29 plus 2 appendices.
- Kluge-Edmonds K (1991). Seasonal changes in zooplankton and larval fishes in a South Pacific embayment, Pago Pago Harbor, American Samoa. American Samoa, American Samoa Department of Marine and Wildlife Resources.
- Kluge K (1992). Seasonal abundances of zooplankton in Pala Lagoon. American Samoa, Department of Marine and Wildlife Resources: 33.
- McConnaughey J (1993). The shoreline fishery of American Samoa in FY92. American Samoa, Department of Marine and Wildlife Resources: 37.
- Ponwith B (1991). The shoreline fishery of American Samoa: a 12 year comparison. Pago Pago, American Samoa, Department of Marine and Wildlife Resources: 43.
- Wass R (1980). The shoreline fishery of American Samoa -- past and present. UNESCO Seminar on Marine and Coastal Processes in the Pacific, Motupore Island Research Center, Papua New Guinea, UNESCO.

Historical Data Gap Analysis: Bibliography

March 2, 2008



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Reference Type: Report
Record Number: 64
Title: Coral Reefs in American Samoa
Institution: Department of Marine and Wildlife Resources
Type of Work: DMWR Biological Report Series
Report Number: no. 59
Keywords: American Samoa
Notes: location: DMWR fisheries, DMWR library;

Reference Type: Audiovisual Material
Record Number: 65
Title: Our Fragile Coral Reef
Publisher: National Marine Sanctuary Program Fagatele Bay
City: Pago Pago, American Samoa
Type: Pamphlet
Notes: location: DMWR fisheries; pamphlet for visitors and Samoans detailing importance of reefs, the threats to reefs, and how we can help; American Samoa

Reference Type: Report
Record Number: 66
Title: Marine surveys on Savai'i, Western Samoa
Notes: location: DMWR fisheries; Western Samoa; describes the results of surveys around Savai'i; recommends ways to protect these reefs from anthropogenic factors

Reference Type: Report
Record Number: 67
Title: Fishery report
Notes: location: DMWR fisheries; missing pages including the first page; government fisheries service has the potential to increase contribution to the fisheries sector and economy as a whole; three priorities: establish separate fisheries dept, commence immediate training program, provisions of an adequate budget; American Samoa

Reference Type: Report
Record Number: 503
Title: Coral list
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 531
Title: Final environmental impact statement for the designation of an ocean disposal site off Tutuila island, American Samoa for fish processing wastes
Institution: United States Environmental Protection Agency
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 532
Title: American Samoa fish and fishery investigations
Institution: DMWR

Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 581
Title: Bibliography inshore fisheries research in American Samoa
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 591
Title: Mariculture in Pala Lagoon: Feasibility
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 609
Title: The resource atlas of the deepwater snapper fishery of Western Samoa
Type of Work: appendix of a larger report
Keywords: Western Samoa
Notes: location DMWR fisheries; no attached report; appendix 6

Reference Type: Journal Article
Record Number: 85
Title: ANONYMOUS overview paper
Keywords: American Samoa
Notes: location DMWR fisheries; Manu'a fishery overview; incomplete

Reference Type: Report
Record Number: 307
Year: 1974
Title: American Samoa Albacore and Yellowfin Catches For 1974
Keywords: Albacore, Yellowfin, Catches, American Samoa
Notes: location: DMWR fisheries; American Samoa

Reference Type: Report
Record Number: 308
Year: 1976
Title: The Marine Environment Of Asaga Strait
Institution: Government of American Samoa, Office Of Marine Resources-
Date: January 20, 1976
Keywords: Marine, Environment, Asaga Strait
Notes: location: DMWR fisheries; American Samoa

Reference Type: Report
Record Number: 561
Year: 1980
Title: American Samoa shoreline inventory
Institution: Sea Engineering Services

Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 539
Year: 1981
Title: A coastal zone management atlas of American Samoa
Institution: The Cartographic Lab
Keywords: American Samoa
Notes: location Feleti Barstow

Reference Type: Report
Record Number: 522
Year: 1984
Title: Oceanographic studies in support of American Samoa wastewater facilities planning: final report
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 551
Year: 1984
Title: An assessment of the skipjack and baitfish resources of American Samoa
Institution: South Pacific Commission
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 467
Year: 1987
Title: GIANT CLAM SEED PRODUCTIN, EXTENSION, DEMONSTRATION AND TRAINING./AMERICAN SAMOA, FEDERATED STATES OF MICRONESIA, REPUBLIC OF PALAU
Institution: Center for Tropical and Subtropical Azuaculture Pacific Islands Project area
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 68
Year: 1988
Title: Public Law 100-571--Oct. 31, 1988
Type of Work: Law
Notes: location: DMWR fisheries; law enacted to preserve and protect the tropical forests, archaeological and cultural resources of AS, associated reefs, to maintain habitat of flying foxes, preserve ecological balance, and to provide for the enjoyment of the unique resources of Samoa by visitors from around the world; in other words it sets out the parks; American Samoa

Reference Type: Conference Proceedings
Record Number: 491

Year: 1988

Title: Proceedings of the First Annual Amerika Samoa Marine Symposium

Publisher: American Samoa Government Printing Press

Conference Location: Pago Pago, AS

Pages: 52

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 659

Year: 1988

Title: Mission Report of the IMO Consultant on Marine Pollution. Western Samoa 20-27 June 1988

Institution: International Maritime Organisation

Keywords: Western Samoa

Notes: en route Samoa

Reference Type: Report

Record Number: 1

Year: 1989

Title: A review of the statistics on commercial landings of fish and invertebrates in Western Samoa

Institution: UN Food and Agriculture Organization

Report Number: FAO/UNDP SAM/89/002, Field Report No. 3

Keywords: mullet; Western Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 309

Year: 1989

Title: American Samoa 1987 Fishery Statistics

Institution: American Samoa Department of Marine and Wildlife Resources, Western Pacific Fishery Information Network

Keywords: Fishery Statistics, American Samoa

Notes: location: DMWR fisheries; American Samoa

Reference Type: Conference Proceedings

Record Number: 478

Year: 1989

Title: Proceedings of the second annual American Samoa coastal symposium

Publisher: The Division of Curriculum and Instruction

Conference Location: Pago Pago, AS

Pages: 100

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 69

Year: 1990

Title: A review of the statistics on commercial landings of fish and invertebrates in Western Samoa

Institution: FAO/UNDP SAM/89/002

Type of Work: Field Report

Report Number: No. 3

Notes: location: DMWR fisheries; Western Samoa; fisheries statistics on catch and sales price

Reference Type: Report

Record Number: 310

Year: 1990

Title: Territories Development Study American Samoa

Institution: Department of the Army, U.S Army Engineer District

Date: February 1990

Type of Work: Reconnaissance Report

Keywords: Territories, Development, Study, American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 70

Year: 1991

Title: Endangered species in American Samoa and a conservation strategy for their protection

Institution: Natural Resources Commission

Type of Work: Unfinished Draft

Report Number: DMWR Biological Report Series no 17

Notes: location: DMWR fisheries; draft only; primarily land animals but does cover turtles, clams, whales, and the oriental mangrove, covers threats to wildlife, defines what threatened and endangered mean for this report/island group, stresses need for more data on some spp and for more protection and enforcement for all species,

Reference Type: Report

Record Number: 71

Year: 1992

Title: Environmental education workshop proceedings June 1992

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series

Report Number: no. 38

Keywords: American Samoa

Notes: location: DMWR library, DMWR fisheries

Reference Type: Conference Proceedings

Record Number: 590

Year: 1992

Title: The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)

Editor: Killelea-Almonte, P

Publisher: CITES

Conference Location: Honolulu, HI

Pages: 16 plus appendices

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Conference Proceedings

Record Number: 601

Year: 1992

Title: Deep Reef Slope Fishery Resources of the South Pacific

A summary and analysis of the dropline fishing survey data generated by the activities of the SPC fisheries programme between 1974 and 1988

Editor: Dalzell, P; Preston, GL

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Volume: Inshore Fisheries Research Project Technical Document no. 2

Pages: 299

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 642

Year: 1992

Title: Western Samoa : land-based pollution sources and their effects on the marine environment

Institution: SPREP

Keywords: Western Samoa

Notes: en route from SLIC

Reference Type: Report

Record Number: 72

Year: 1993

Title: Education program 5-year plan FY93-FY97

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series

Report Number: no. 39

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library

Reference Type: Report

Record Number: 73

Year: 1993

Title: A Biodiversity Conservation Strategy for Western Samoa

Keywords: Western Samoa

Notes: location: DMWR fisheries; second draft only; covers current knowledge and goals; objectives to protect and manage habitat, protect and manage species, find sustainable use for species and habitat, and others;

Reference Type: Report

Record Number: 546

Year: 1993

Title: Biological indicators of exposure to heavy metals in fish consumers; technical assistance to the Government of American Samoa, department of health services Pago Pago, American Samoa; Draft for public comment

Institution: ASEPA

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 636

Year: 1993

Title: Assessment of coastal vulnerability and resilience to sea-level rise and climate change - Case study : Upolu Island, Western Samoa - Phase I : Concepts and approach

Institution: SPREP

Keywords: Western Samoa

Notes: en route from SLIC

Reference Type: Journal Article

Record Number: 74

Year: 1994

Title: Juvenile Leatherback Turtle caught by longline fishing in American Samoa

Journal: Marine Turtle Newsletter

Volume: 66

Pages: 3-5

Alternate Journal: DMWR Biological Report Series no. 50

Keywords: American Samoa

Notes: location: DMWR fisheries, DMWR libraries; note in a newsletter about a turtle found by the crew of a boat near Swains Island, never reported from AS before

Reference Type: Conference Proceedings

Record Number: 75

Year: 1994

Title: Country Statement American Samoa

Conference Name: Twenty-fifth Regional Technical Meeting on Fisheries

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Pages: 2

Keywords: American Samoa

Notes: location: DMWR fisheries; overview of fishery

Reference Type: Conference Proceedings

Record Number: 536

Year: 1994

Title: Coastal protection in the Pacific islands : current trends and future prospects : proceedings of the first and second coastal protection meetings, held on 21-23 February 1994 in Apia, Western Samoa and on 16-20 May 1994 in Suva, Fiji / prepared by SPREP and SOPAC Secretariats

Publisher: SPREP

SOPAC

Conference Location: Apia, WS

Pages: 196

Keywords: American Samoa

Notes: location Feleti Barstow

Reference Type: Conference Proceedings

Record Number: 571

Year: 1994

Title: Twenty-Fifth Regional Technical Meeting on Fisheries

Editor: SPC

Publisher: South Pacific Commision

Conference Location: Noumea, New Caledonia

Pages: 55

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 637

Year: 1994

Title: Assessment of coastal vulnerability and resilience to sea-level rise and climate change - Case study : Savai'i Island, Western Samoa - Phase 2 : Development of methodology

Institution: SPREP

Keywords: Western Samoa

Notes: en route from SLIC

Reference Type: Report

Record Number: 2

Year: 1995

Title: Western Samoa Fisheries Resources Profiles

Institution: Research Coordination Unit, Forum fisheries Agency
Fisheries Division, Government of Western Samoa

Report Number: FFA Report No. 95/18 (in prep.)

Keywords: mullet; Western Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 76

Year: 1995

Title: American Samoa 1993 Fishery Statistics

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report Series no. 52

Keywords: American Samoa

Notes: location: DMWR fisheries; graphs with an explanation

Reference Type: Book

Record Number: 470

Year: 1995

Title: Watershed Plan-Environmental Impact Statement/Aua Watershed, American Samoa

Publisher: United States Department of Agriculture/Natural Resources Consevation

City: Honolulu, Hawaii

Number of Pages: 80

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 545

Year: 1995

Title: Commercial feasibility of Giant Clam mariculture in American Samoa

Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 560
Year: 1995
Title: Coordination and administration; Fisheries research and survey
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 77
Year: 1996
Title: American Samoa Coastal Management Program: A Case Study On Alternative Management Strategies
Institution: Department of Urban and Regional Planning
Date: June 1996
Type of Work: American Samoa Coastal Management Program Spring 1996 Practicum
Keywords: American Samoa
Notes: location: DMWR fisheries; book on alternative management for a class; good source of general information

Reference Type: Report
Record Number: 78
Year: 1996
Title: American Samoa Fish Investigations
Institution: Department of Marine and Wildlife Resources
Type of Work: Federal aid annual report
Keywords: American Samoa
Notes: location: DMWR fisheries; summarizes the catch of fish for 1995 for the inshore fishery; caught 38% of the total landings for domestic fisheries; CPUE increased from 1994 but was still lower than levels in 1991; coral reef fish make up 33% of catch while non-residents make up only 5%, inverts make up 62%; scarids and acanthurids were the most important of the reef fish families; jacks and skipjacks made up the bulk of the non-resident species; octopus was the most important invert. followed by urchins

Reference Type: Conference Proceedings
Record Number: 660
Year: 1996
Conference Name: International coral reef initiative (ICRI) pacific region strategy
Editor: SPREP
Conference Location: Apia, Western Samoa
Pages: 30
Keywords: Samoa
Notes: en route Marshall Islands

Reference Type: Conference Proceedings
Record Number: 79
Year: 1997

Title: Country Papers as submitted by Conference Delegates

Conference Name: Toward a Prosperous Pacific: Building a Sustainable Tuna Industry in the Pacific Islands

Editor: Center, Maui Pacific

Conference Location: Maui

Pages: 16

Keywords: American Samoa

Notes: location: DMWR fisheries; covers lots of islands; AS is first on list; overview of tuna industry

Reference Type: Report

Record Number: 584

Year: 1997

Title: Marine conservation plan for American Samoa

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 313

Year: 1998

Title: Preserving a Historical Treasure of National and Cultural Significance - Traditional Samoan Ocean voyaging Double Hull Canoe "Alia"

Institution: American Samoa Government, American Samoa National Park, United States Coast Guard

Date: February 1998

Type of Work: A Concept Proposal

Keywords: Historical Treasure, Significance, Traditional Samoan, Voyaging, Hull Canoe, Alia; American Samoa

Notes: location DMWR fisheries

Reference Type: Book

Record Number: 663

Year: 1998

Title: The Living Marine Resources of the Western Central Pacific. Volume 1. Seaweeds, corals, bivalves and gastropods.

Series Editor: FAO

Publisher: FAO

Volume: 1

Number of Volumes: 6

Number of Pages: 700

Keywords: Samoa

Notes: en route from FAO

Reference Type: Book

Record Number: 664

Year: 1998

Title: The Living Marine Resources of the Western Central Pacific. Volume 2. Cephalopods, crustaceans, holothurians and sharks.

Publisher: FAO

City: Rome

Volume: 2
Number of Volumes: 6
Number of Pages: 716
Keywords: Samoa
Notes: en route FAO

Reference Type: Report
Record Number: 4
Year: 1998
Title: American Samoa Fishery Statistics 1998
Institution: Department of Marine and Wildlife Resources and Western Pacific Fishery Information Network
Date: August 2000
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 3
Year: 1999
Title: Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region: 1998 Annual Report [American Samoa module only]
Institution: Western Pacific Regional Fishery Management Council
Date: November 1999
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 80
Year: 1999
Title: Report of the twelfth meeting of the standing committee on tuna and billfish
Keywords: American Samoa
Notes: location DMWR fisheries; notes for a conference, incomplete

Reference Type: Journal Article
Record Number: 566
Year: 1999
Title: American Samoa's coral reefs overfished
Journal: Environmental news network
Pages: online
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Book
Record Number: 665
Year: 1999
Title: The Living marine resources of the Western Central Pacific. Volume 3. Batoid fishes, chimaeras and bony fishes part 1 (Elopidae to Linophrynidae).
Publisher: FAO
City: Rome
Volume: 3
Number of Volumes: 6

Number of Pages: 678

Keywords: Samoa

Notes: en route FAO

Reference Type: Book

Record Number: 666

Year: 1999

Title: The Living marine resources of the Western Central Pacific. Volume 4. Bony fishes part 2 (Mugilidae to Carangidae).

Publisher: FAO

City: Rome

Volume: 4

Number of Volumes: 6

Number of Pages: 726

Keywords: Samoa

Notes: en route FAO

Reference Type: Report

Record Number: 5

Year: 1999

Title: Pelagic Fisheries of the Western Pacific Region [American Samoa Only]: 1998 Annual Report

Institution: Western Pacific Regional Fishery Management Council

Date: November 1999

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 568

Year: 2000

Title: International trade in coral and coral reef species: the role of the United States

Institution: U.S. Coral Reef Task Force

Date: March 2, 2000

Type of Work: Report of the Trade Subgroup of the International Working Group to the U.S. Coral Reef Task Force

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 575

Year: 2000

Title: Preserving American Samoa's Fishing Heritage

Journal: Pacific Islands Fishery News

Volume: Winter

Pages: 1-2

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Journal Article

Record Number: 605

Year: 2000

Title: New boats, new rules worry territories, commonwealth

Journal: Pacific Islands Fishery News

Volume: Summer

Pages: 1-3

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 6

Year: 2000

Title: Prohibition on fishing for pelagic management unit species within closed areas around the islands of American Samoa by vessels more than 50 feet in length

Institution: Western Pacific Regional Fishery Management Council

Date: January 2000

Type of Work: Framework Measure under the Fishery Management Plan for the Pelagic Fisheries of the Western Pacific Region

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 7

Year: 2000

Title: Impacts of Rapid Population Growth in American Samoa: A Call for Action

Institution: Governor's Task Force on Population Growth

Date: May 2000

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Book

Record Number: 667

Year: 2001

Title: The Living marine resources of the Western Central Pacific. Vol. 5. Bony fishes part 3. (Menidae to Pomacentridae)

Publisher: FAO

City: Rome

Volume: 5

Number of Volumes: 6

Number of Pages: 590

Keywords: Samoa

Notes: en route FAO

Reference Type: Book

Record Number: 668

Year: 2001

Title: The Living marine resources of the Western Central Pacific. Vol. 6 Bony fishes part 4 (Labridae to Latimeriidae), estuarine crocodiles, sea turtles, sea snakes and marine mammals

Publisher: FAO

City: Rome

Volume: 6

Number of Volumes: 6

Number of Pages: 844

Keywords: Samoa

Notes: en route FAO

Reference Type: Report

Record Number: 559

Author: Aitaoto, Fini

Year: 1988

Title: Status of the Offshore Fisheries in American Samoa

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 493

Author: Aitaoto, F. ; Ponwith, B.; Craig, P.

Year: 1991

Title: Fisheries catch statistics for American Samoa, 1990

Institution: Department of Marine and Wildlife Resources

Keywords: American Samoa

Notes: location DMWR library, DMWR fisheries

Reference Type: Report

Record Number: 314

Author: Aitaoto, Fini; Lutali, Elliott

Year: 1996

Title: American Samoa 1995 Local Fisheries Statistics

Institution: DMWR

Date: August 1996

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 315

Author: Aitaoto, Fini

Year: 1999

Title: Bottomfish fishery of American Samoa

Institution: DMWR

Date: August 1999

Keywords: American Samoa

Abstract: Bottomfishing from canoes by the natives of the American Samoa islands has been a subsistence traditional practice in the distant past. But it was not until the early 1970s that the bottomfish fishery developed into a commercial venture utilizing motorized boats. A government subsidized program, called the Dory project was initiated in 1972 to develop the offshore fisheries into a commercial venture, and resulted in an abrupt increase in the fishing fleet and total landings. In 1982 a fisheries development project aimed at exporting high-priced deep-water snappers to the Hawaii fish auction caused another notable increase in both bottomfish landings and revenue. Between 1982 and 1988, bottomfish fishery comprised as much as 50% of the total commercial catch. Beginning in 1988 the nature of American Samoa's fisheries changed dramatically with a shift in importance from bottomfish fishing towards trolling. In the past four years, the dominant fishing method has been longlining.

During the early 1980s data were collected from the bottomfish fishery by interviewing only commercial vessels. In the current Offshore Creel Survey on Tutuila that started in October 1985, commercial, subsistence and recreational domestic boats landing catch in five designated areas were interviewed and their catches examined. For two weekdays and one Weekend/Holiday per week, DMWR data collectors sampled offshore fishermen between 0500 and 2100 hours. Two DMWR samplers based on Ta'u and Ofu collect fisheries data from Manu'a Islands fleet.

Boat-based fishing in American Samoa used to be just trolling and/or bottomfishing. In the past four years, record longline landings (mainly by the Alia commercial fishermen) were recorded with revenues approaching the one million dollar mark for the first time, this year. The bottomfish fishery of American Samoa is typically commercial overnight handlining using skipjack tuna as bait, on 28-32 foot aluminum Alias. Bottomfish imported mainly from the neighboring independent state of Western Samoa has assisted in satisfying the high demand for fresh fish that cannot be supplied by the small local commercial fleet. The adverse effects of three hurricanes that struck American Samoa in 1987, 1990 and 1991 can be seen in some of the trends in the fishery as depicted by the data in this report.

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 662

Author: Aitaoto, F

Year: 2001

Title: American Samoa Longliners Fleet Information and Specification Records

Institution: DMWR

WPacFIN

WPRFMC

Date: October

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 82

Author: Alory, G; Delcroix, T

Year: 1999

Title: Climactic variability in the vicinity of Wallis, Futuna, and Samoa Islands (13°-15° S, 180°-170° W)

Journal: Oceanologica Acta

Volume: 22

Issue: 3

Pages: 249-263

Keywords: American Samoa

Notes: location DMWR fisheries; mean condition, seasonal and ENSO-related variability is measured from 1973-1995 and are analysed for wind pseudostress, satellite-derived, and in situ precip, sea surface temp, and salinity, sea level, 0-450 m temp, and geostrophic current; during warm phase ENSO, salinity is higher consistent with less rainfall, some hint of colder than average water temp in subsurface, weak tendency for westward geotrophic current anomalies, a sea level decrease together with easterly and southerly wind pseudo-stress anomalies; anomalies of similar magnitude but opposite are seen during cold phase ENSO

Reference Type: Report

Record Number: 495

Author: Amesbury, Steven S

Year: 1991

Title: Fish communities of American Samoa in report to the National Oceanic and Atmospheric Administration

Institution: University of Guam Laboratory

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Edited Book

Record Number: 83

Editor: Anderson, CL; Hamnett, MP

Year: 1999

Title: U.S. All Islands Coral Reef Initiative Strategy

Publisher: USAICRICC

City: Honolulu, HI

Keywords: American Samoa

Notes: location DMWR fisheries; updates coral reef activities from 1997-1999; then covered proposed topics for the next 5 years

Reference Type: Report

Record Number: 84

Author: Andrews, GJ; Holthus, PF

Year: 1989

Title: Marine Environment Survey: Proposed Aleipata Islands National Park, Western Samoa

Institution: SPREP

Keywords: Western Samoa

Notes: location DMWR fisheries; general descriptive ecology and morphology for the Aleipata coastal fringing reef and the fringing reefs of the detached islands; supports typical coral reef inhabitants and associated plant and animal communities with no spectacular or unique organisms; village use of these resources and traditional management practices must be taken into account if development of a park proceeds

Reference Type: Report

Record Number: 523

Author: Army, U.S.

Year: 1977

Title: American Samoa water resources study: plan of study

Institution: United States Army Engineer District

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 86

Author: Army, United States

Year: 1978

Title: Wastewater Management Data Evaluation Study for American Samoa

Institution: United States Army

Date: September, 1978

Keywords: American Samoa

Notes: location DMWR fisheries; reviews existing water quality related data; inventories and assesses nonpoint pollution sources; identifies nonpoint pollution sources and their control needs; develops technical and management recommendations to satisfy the needs identified

Reference Type: Report

Record Number: 525

Author: Army, U.S.

Year: 1979

Title: Baseline water quality survey American Samoa

Institution: United States Army Engineer District

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 524

Author: Army, U.S.

Year: 1980

Title: American Samoa water resources study long range water plan for American Samoa: draft report

Institution: U.S. Army Engineer District

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 527

Author: Army, U.S.

Year: 1985

Title: Lepua shore protection study, Pago Pago, American Samoa : draft detailed project report and environmental assessment: findings of no significant impact

Institution: Department of the US Army

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report
Record Number: 564
Author: ASCC
Title: American Samoa's State of the Reefs
Institution: CRAG
Keywords: American Samoa
Notes: location DMWR fisheries; unpublished report

Reference Type: Report
Record Number: 87
Author: ASEPA
Title: Summary of Pago Pago Harbor and watershed harbor water quality
Institution: American Samoa Environmental Protection Agency
Keywords: American Samoa
Notes: location DMWR fisheries; major improvements in the past decade; redirected tuna sewage and improved domestic sewage treatment; these removed up to 95% of organic and nutrient loading; oxygen levels returned to levels capable of supporting aquatic life; nutrient levels no comply with American Samoa water quality standards; oil in harbor is now rare; some recovery of coral reefs in harbor and a greatly improved clarity of water; toxic metals in fish have not been reduced so there is a continued ban on eating fish from the inner harbor; still high levels of nutrients in streams entering harbor; things still bad during high rains; still improvements to be made with the watershed water quality

Reference Type: Report
Record Number: 88
Author: ASEPA
Year: 1997
Title: Summary of findings of Pago Pago water quality trends from 1982 to 1997
Institution: American Samoa Environmental Protection Agency
Keywords: American Samoa
Notes: location DMWR fisheries; harbor water quality has improved from 1982-1997 with the separation of high strength waste and improvements in processing of waste water; still occasional violations in the inner harbor probably from streams and other non-point sources; lots of graphs and tables giving the actual values

Reference Type: Report
Record Number: 89
Author: ASEPA
Year: 2000
Title: Territory of American Samoa State of the Environment Report
Institution: American Samoa Environmental Protection Agency
Keywords: American Samoa
Notes: location DMWR fisheries; covers marine and terrestrial resources, air and water resources, and environmental issues; incomplete; written in an easy to read and understand manner for everyone

Reference Type: Report
Record Number: 81
Author: ASEPA
Year: 2000

Title: Territory of American Samoa 305b Water Quality Assessment
Institution: Environmental Protection Agency
Type of Work: Water Quality Assessment Report
Keywords: American Samoa
Notes: location DMWR fisheries, ASEPA; most recent of the annual water quality assessment reports

Reference Type: Report
Record Number: 90
Author: ASEPA
Year: 2001
Title: TMDL Development for Lead, Pago Pago Harbor, Territory of American Samoa
Institution: American Samoan Environmental Protection Agency
Date: July 2001
Keywords: American Samoa
Notes: location DMWR fisheries; harbor was listed in 1998 as impaired due to lead contamination in fish; overview and improvements in problem

Reference Type: Report
Record Number: 91
Author: ASEPA
Year: 2001
Title: American Samoa nearshore water quality survey 2001 - first quarter
Institution: American Samoa Environmental Protection Agency
Keywords: American Samoa
Notes: location DMWR fisheries; lists the water quality at set monitoring stations

Reference Type: Report
Record Number: 519
Author: ASG
Year: 1982-1987
Title: Shoreline modification projects
Institution: American Samoa Government
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 507
Author: Associates, Edward K. Noda and
Year: 1986
Title: Feasibility study for a harbor at Leone, Tutuila, American Samoa
Institution: Edward K. Noda and Associates
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Thesis
Record Number: 92
Author: Atherton, J
Year: 1994
Title: Planning new conservation areas in Western Samoa: a case study
Academic Dept.: School of Agricultural and Forest Sciences

University: University College of North Wales

City: Bangor

Pages: 72

Thesis Type: Magister of Scientia

Keywords: Western Samoa

Notes: location DMWR fisheries; data on conservation area ecology, geography, sociology, and economics are presented; threats to conservation are outlined as well as ways of dealing with them; mangrove forests provide food, firewood, medicines, materials for building, cultural handicrafts, and opportunities for recreation; declines in fish and crab catches are obvious; population growth and commercialization threaten mangroves; recommends more sustainable resource harvesting, new income generating opportunities such as aquaculture be developed; also recommends involving local people in every stage of planning and implementation of conservation areas

Reference Type: Report

Record Number: 316

Author: Bagley, Mark; May, Bernie

Year: 1999

Title: Population Genetic Structure of the Pacific Deepwater Snappers *Etelis carbunculus* and *E. coruscans* based on Variation at Microsatellite Loci

Institution: University of California, Davis

Date: April 1999

Keywords: *Etelis carbunculus*; American Samoa

Abstract: Microsatellite DNA analyses were conducted on samples of *Etelis carbunculus* (ehu) and *E. coruscans* (onaga) in order to test for the presence of population genetic structure within the Main Hawaiian Islands, within the Hawaiian Archipelago, and across the Pacific Ocean. Fixed or nearly fixed differences in allele frequencies between large and small specimens of *E. carbunculus* from American Samoa at all five polymorphic loci indicated the presence of sympatric sibling species in the South Pacific region. Samples of *E. carbunculus* from the Hawaiian Archipelago were strongly differentiated from both Samoan forms, although they were more closely related and appeared to be conspecific with the small Samoan type. No significant differences were found between *E. carbunculus* from the Northwest and Main Hawaiian Islands but allele frequencies for the Kauai sample were significantly different from those for all other Main Hawaiian Island samples. Although the reasons for the differentiation of the Kauai sample remain unclear, we did not find strong evidence for geographically stable population genetic structure within the Hawaiian Archipelago.

Genetic structure within *E. coruscans* was assessed with six polymorphic loci. No significant population genetic structure was identified within the Main Hawaiian Islands, within the Hawaiian Archipelago, or even between American Samoa and Hawaii, the latter representing a distance of over 4000 km. Thus, the microsatellite analysis either was unable to detect existing population structure or gene flow within this species is much greater than previously believed. Small sample sizes for key locations (Samoa, Northwest Hawaiian Islands) suggest that it is premature to conclude that *E. coruscans* possesses little or no genetic structure. In addition, it is important to remember that past episodes of gene flow can suppress current genetic structure. In addition, it is important to remember that past episodes of gene flow can suppress current genetic structure, even if little or no gene flow currently exists between regions

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 317

Author: Bagnis, R

Year: 1976

Title: Fish poisoning in Tonga, Niue, Western Samoa and American Samoa

Institution: South Pacific Commission

Date: March 4 1976

Keywords: American Samoa

Abstract: The purpose of this survey, which was conducted under the SPC Special project on Fish Poisoning (502i) in conjunction with the Health Departments of Tonga, Niue, Western Samoa and American Samoa, was to determine the incidence and health implications of fish poisoning in each of the territories concerned.

In the broadest meaning of the term, fish poisoning takes the form of a combination of polymorphous clinical phenomena caused by the consumption of fish species which, while edible under normal circumstances, may in some cases contain in their tissues chemical substances of biological origin, which, on reaching a certain level of concentration, become toxic to man as well as to many animals. The origin, nature and number of the incriminated biotoxins are still far from being fully explained.

Nevertheless, following Halstead's definition, it has become customary to distinguish, amongst others between poisoning by ciguatera, Clupeidae and puffer-fish. The production of toxin is, in each case, apparently different.

In the third case, for example the toxin concerned - tetrodotoxin - had now been synthesized. It is produced by the gonads of puffer-fish, is particularly active when the fish reach sexual maturity and is concentrated predominantly in the genital and digestive viscera, as well as in the integuments.

Clupeotoxism and ciguatera, on the other hand, are related to the feeding patterns of the fish. In the former case, the toxin appears to stem from plankton, whereas for ciguatera the first links in the toxic food chain are undoubtedly miscellaneous micro-organisms living on the sea bed, and which proliferate when the coral ecosystems are subjected to natural or artificial aggressions.

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 533

Author: Balazs, George H

Year: 1983

Title: The issue of subsistence use of sea turtles at Islands under United States jurisdiction in the Pacific

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 318

Author: Balazs, George H

Year: 1991

Title: Historical Summary Of Sea Turtle Observations At Rose Atoll, American Samoa

Institution: National Marine Fisheries Service Honolulu Laboratory

Keywords: Rose Atoll, Historical Summary; American Samoa

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 93

Author: Balazs, GH; Craig, P; Winton, BR; Miya, RK

Year: 1994

Title: Satellite telemetry of green turtles nesting at French Frigate Shoals, Hawaii , and Rose Atoll, American Samoa

Journal: Proceedings of the Fourteenth Annual Symposium on Sea Turtle Biology and Conservation

Alternate Journal: DMWR Biological Report Series no. 61

Keywords: American Samoa

Notes: location DMWR fisheries; Samoan sea turtles nesting on Rose Atoll tended to end up in Fiji, only tagged three from Samoa, no conclusions or discussion

Reference Type: Conference Proceedings

Record Number: 94

Author: Baldwin, WJ; McGrenra, MJ

Year: 1979

Title: Problems associated with the intensive culture of topminnows (family Poeciliidae) and with their use as live baitfishes for skipjack tuna fishing

Conference Name: Tenth Annual Meeting of the World Mariculture Society

Publisher: World Mariculture Society

Conference Location: Honolulu, Hawaii

Pages: 33

Keywords: American Samoa

Notes: location DMWR fisheries; abstract only; this was all the rage in the 70's but it never worked because wasn't economically viable; interesting historically

Reference Type: Report

Record Number: 510

Author: Barrett, Harris Associates, Inc

Year: 1985

Title: Draft environmental assessment Pago Pago Beach Resort Hotel, Utulei, Island of Tutuila, American Samoa

Institution: American Samoan Government

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Journal Article

Record Number: 319

Author: Bartley-Tuato'o, Natasha; Morrell, Thomas E; Craig, Peter

Year: 1993

Title: Status of Sea Turtles in American Samoa in 1991

Journal: Pacific Science

Volume: 47

Issue: 1993

Pages: 1-4

Keywords: *Chelonia mydas*, *Eretmochelys imbricata*; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report
Record Number: 612
Author: Bartram, P
Title: Report on American Samoa: Canneries
Institution: AECOS
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 95
Author: Bartram, P; Meyer, PA; Samples, CC
Year: 1987
Title: A proposal to develop tourism, based on the fishery resources of American Samoa
Type of Work: Executive Briefing Paper
Keywords: American Samoa
Notes: location DMWR fisheries; proposal of how to start fisheries based tourism; also includes justification for this type of tourism and the key elements of it

Reference Type: Report
Record Number: 320
Author: Bell, A.J. Lui
Year: 1985
Title: Coastal Zone Management In Western Samoa
Institution: Fisheries Division, Department of Agriculture, Forests and Fisheries
Keywords: coastal zone management; Western Samoa
Notes: location DMWR fisheries;

Reference Type: Report
Record Number: 322
Author: Bell, Lui A.J; Gaisoa, Pi'o
Year: 1990
Title: First Spawning Inductin at the Fogagogo Hatchery
Institution: American Samoa Department of Marine and Wildlife Resources
Date: November 1990
Keywords: First Spawning, Induction, Fogagogo Hatchery; American Samoa
Notes: location DMWR fisheries;

Reference Type: Conference Proceedings
Record Number: 96
Author: Bell, L
Year: 1995
Title: Country Statement: Western Samoa
Conference Name: Present and Future of Aquaculture Research and Development in the Pacific Island Countries
Publisher: Ministry of Fisheries
Conference Location: Tonga
Pages: 50-56
Keywords: Western Samoa
Notes: location DMWR fisheries; overview of WS's extensive aquaculture;

Reference Type: Conference Proceedings

Record Number: 97

Author: Bell, LAJ

Year: 1995

Title: Village Giant Clam Farming in Western Samoa

Conference Name: Present and Future of Aquaculture Research and Development in the Pacific Island Countries

Publisher: Ministry of Fisheries

Conference Location: Tonga

Pages: 215-282

Keywords: Western Samoa

Notes: location DMWR fisheries; had high mortality and slow growth in first farm; second had better growth and lower mortality; mortality primarily due to predatory snails indicating poor management; need more education

Reference Type: Report

Record Number: 521

Author: Bell, AJL

Year: 1995

Title: Western Samoa

Keywords: Western Samoa

Notes: location DMWR library

Reference Type: Conference Proceedings

Record Number: 98

Author: Beulig, A; Beach, D; Martindale, MQ

Year: 1981

Title: Influences on daily movements of *Acanthaster planci* during a population explosion on American Samoa

Conference Name: The Reef and Man. Proceedings of the Fourth International Coral Reef Symposium

Conference Location: Manila

Volume: 2

Number of Volumes: 2

Pages: 755

Keywords: American Samoa

Notes: location DMWR fisheries; Abstract only; severe infestation of *A. planci* in 1977-78; starfish were observed and movements measured; movement within an area was in a preferred direction; that direction differed by area/group

Reference Type: Report

Record Number: 100

Author: BioSystems Analysis, Inc.

Year: 1992

Title: A Comprehensive Wetlands Management Plan for the Islands of Tutuila and Aunu'u, American Samoa

Institution: BioSystems Analysis, Inc.

Date: January, 1992

Keywords: American Samoa

Notes: location DMWR fisheries; total wetland acreage on Tutuila has been reduced by 28%; Nu'uuli has suffered the greatest reduction; there has been virtually no change in total wetland acreage on Aunu'u island; rate of decline on Tutuila has averaged 4.6 acres per year; losses have occurred piecemeal rather than the loss of large areas at a single time; sites have been identified for potential restoration and/or rehabilitation for all of the wetland areas on Tutuila; discusses historical uses of wetlands; makes recommendations for ways to protect wetlands

Reference Type: Report

Record Number: 101

Author: Biosystems Analysis, Inc.

Year: 1993

Title: A Comprehensive Wetlands Management Plan for the Islands of Manu'a, American Samoa

Institution: Biosystems Analysis, Inc.

Date: September, 1993

Keywords: American Samoa

Notes: location DMWR fisheries; describes Manu'a wetlands; describes current status of management; primarily management is at the village level and is maintained for the good of the village; general policy is for no net loss of wetlands and sets out guidelines for how to keep that; goes into uses, both natural and anthropogenic, of the wetlands on Manu'a; discusses changes in wetlands from 1961 onward; discusses threats to wetlands; discusses opportunities for wetland creation, restoration, and enhancement; finally summarizes the main points

Reference Type: Report

Record Number: 102

Author: Birkeland, C; Randall, RH

Title: Report on the *Acanthaster planci* (Alamea) studies on Tutuila, American Samoa

Institution: University of Guam

Type of Work: DMWR Report Series

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library; finds or tries to find indicators of outbreaks (heavy rains at the start of the breeding season particularly following drought which cause phytoplankton blooms with enough food to feed large numbers of larvae cause the outbreak three years later), no definite evidence for or against removal of starfish or predators that eat only starfish to control population, found abrupt increases in abundance from few to millions in the course of a few months, found that outbreaks more frequent and likely around high islands due to more run off, told of food preferences and feeding patterns, showed avoidance of heavy wave action, recommended that *Acanthaster* be left except in most extreme cases where there was a specific reason to protect (ie: hotel or popular tourist reef) due to high cost and lack of care by people involved

Reference Type: Report

Record Number: 103

Author: Birkeland, CE; Randall, RH; Wass, RC; Smith, B; Wilkens, S

Year: 1987

Title: Biological resource assessment of the Fagatele Bay Marine Sanctuary

Institution: National Oceanic and Atmospheric Administration

Type of Work: NOAA Technical Memorandum

Report Number: NOS MEMD 3

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete, est. permanent transects, looked for inverts in daytime only; also only looked for inverts along a transect, ditto with fish only found the big obvious ones by transect and looked in cracks for little/secretive fish again no night transects and admitted the underestimation of some species, long involved descriptions of corals and geography and algae, then into percent cover and why, no conclusions on invert species list since sent away for further study, then looked at effect of COTS on coral and fish -- coral lower but recovering where no human impact, fish no effect

Reference Type: Report

Record Number: 105

Author: Birkeland, C; Randall, RS; Amesbury, SS

Year: 1988

Title: Coral and Reef-Fish Assessment of the Fagatele Bay National Marine Sanctuary

Institution: National Oceanic and Atmospheric Administration

Keywords: American Samoa

Notes: location DMWR fisheries; found a general increase in abundance of coral colonies and coral cover but the community was still occupied by a lot of benthic algae; recovery was most rapid in deep water in the center of the bay; initial damage was caused by COT's which were generally excluded from shallower parts of the bay by wave energy so coral cover was high there; predict that by 1992-94 the corals would have recovered to the state it was in before the 1978-79 outbreak of COT's; also surveyed around Tutuila in areas strongly affected by COT's; found that areas with highest initial damage also showed highest rate of recovery; only in area off the Rainmaker Hotel was coral found to reduce due to pollution and sedimentation; Fish communities in Fagatele Bay were more diverse and abundant in deeper waters than in shallower; abundance of corallivores declined after the corals were devastated by COT's; herbivorous fish became abundant when coral was replaced by algae but their abundance had declined by 1988

Reference Type: Report

Record Number: 106

Author: Birkeland, C; Randall, RH; Green, AL; Smith, BD; Wilkins, S

Year: 1995

Title: Changes in the coral reef community of Fagatele Bay National Marine Sanctuary and Tutuila Island (American Samoa) over the last two decades

Institution: Department of Marine and Wildlife Resources

Type of Work: Report to the National Oceanic and Atmospheric Administration

Keywords: American Samoa

Notes: location DMWR fisheries; reefs in good health despite hurricane damage; coralline algae very important in reef building, some sick though; bleaching in some genus particularly weedy ones like Pocillopora; pink spined urchin decreased a lot from last survey; Tridacnid clams scarce but always have been; fish communities have changed dramatically with decreases of over half in some sites; richness appears similar; Pomacentrids are the most obvious decline and probably due to habitat degradation; Acanthurids are similar numbers probably because they are roving herbivores not site attached; depth distribution of disturbance has also changed from deep COTS effects to shallow bleaching and hurricane effects; these monitoring programs show that corals are resilient to natural disturbances; however, chronic environmental effects from human activities (ie: sedimentation and pollution) inhibit recruitment and so the reef deteriorates even though no spectacular adult mortality;

Reference Type: Report

Record Number: 107

Author: Birkeland, C; Belliveau, SA

Year: 2000

Title: Resurvey of the Aua Transect After the Ship Removal

Institution: Department of Marine and Wildlife Resources

Keywords: American Samoa

Notes: location DMWR fisheries; two ships were removed from the reef flat south of Mayor's Aua Line; there was a 67% drop in coral abundance and a 58% decrease in living coral cover in the outer reef margin of the reef flat; this mortality could be due to the natural mortality of small juvenile corals after a particularly large recruitment pulse and not human activities; no increase in sediment or rubble lying around the transect area and the water was reasonably clear; corals were reasonably healthy; lots of crustose coralline algae, sponges, and ascidians all of which are sensitive to disturbance;

Reference Type: Journal Article

Record Number: 576

Author: Blanc, M

Year: 2000

Title: Tuna grading in Samoa

Journal: Fisheries Newsletter

Volume: 95

Pages: 36-39

Keywords: Western Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 108

Author: Boehlert, GW

Year: 1993

Title: Fisheries and marine resources of Hawaii and the U.S.-associated Pacific Islands: an introduction

Journal: Marine Fisheries Review

Volume: 55

Issue: 2

Pages: 3-6

Keywords: American Samoa

Notes: location DMWR fisheries; fisheries associated with high diversity; commercial has risen recently but recreational and subsistence fisheries remain important; little info published; overview and intro to a volume of papers about the region to make info available

Reference Type: Report

Record Number: 604

Author: Branch, J

Year: 1987

Title: Review of American Samoa cannery DAF sludge data through ocean dumping permit 86-01

Institution: ASEPA

Date: December 1

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 109

Author: Brand, L; Aicher, J

Title: Detection of eutrophication in the coastal waters of American Samoa

Keywords: American Samoa

Notes: location DMWR fisheries; photocopy from the journal, need the original for colors in maps; chlorophyll seems to be a good indicator of eutrophication in AS; in areas with a high population chlorophyll levels were elevated, particularly after high rains

Reference Type: Report

Record Number: 649

Author: Brighthouse, Genevieve

Year: 1998

Title: Brief overview of the key issues and challenges for coastal and marine biodiversity in American Samoa

Keywords: American Samoa

Notes: en route SLIC

Reference Type: Book Section

Record Number: 323

Author: Brock, R.E; Lewis, C; Wass, R, C

Year: 1979

Title: Stability and Structure of a Fish Community on a Coral Patch Reef in Hawaii

Book Title: Marine Biology

City: Pago Pago, American Samoa

Volume: 54

Pages: 1-12

Keywords: Fish stability, Fish structure, Fish community, Coral Patch Reef; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 110

Author: Bryan, PG

Year: 1978

Title: On the efficiency of mollies (*Poecilia mexicana*) as live bait for pole-and-line skipjack fishing: fishing trials in the tropical central Pacific

Institution: Department of Marine and Wildlife Resources

Type of Work: Technical Report on project No. 4-35-D

Keywords: American Samoa

Notes: location DMWR fisheries; proved to be a suitable baitfish for skipjack in trials; more extensive sea trials were performed in AS and Fiji aboard a well-equipped Japanese vessel; obsolete method that showed promise in the 70's but was dropped when found to be not economically feasible

Reference Type: Report

Record Number: 547

Author: Bryan, PG

Year: 1979

Title: Testing Topminnows (*Poecilia mexicana*) As Live Bait While Trolling For Tunas In American Samoa

Institution: Office of Marine Resources, American Samoa
Living Marine Resources, Inc, San Diego, California

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 111

Author: Buckley, T

Year: 1986

Title: The impact of *Acanthaster planci* coral kills on the Samoan reef fish community

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library; compared fish transects from before and after COTS to determine changes in reef fish communities, very few changes in diversity and numbers of fish and those that do change do so because specialists

Reference Type: Report

Record Number: 552

Author: Buckley, Raymond

Year: 1986

Title: Annual Report Fiscal Year 1986; Federal aid in fish restoration; American Samoa fish and fishery investigations

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Conference Proceedings

Record Number: 112

Author: Buckley, RM; Itano, DG; Buckley, TW

Year: 1988

Title: Fish aggregation device (FAD) enhancement of offshore fisheries in American Samoa

Conference Name: Workshop on Pacific Inshore Fishery Resources

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Pages: 20pp

Keywords: American Samoa

Notes: location DMWR fisheries; second in the workshop packet; no difference between FAD's and banks based on CPUE; catches always lower in open water; mean length varied btwn FAD's and open water with smaller caught at FAD's

Reference Type: Report

Record Number: 572

Author: Buckley, T

Year: 1988

Title: A comparison of the feeding habits of Masimasi (*Coryphaena hippurus*) before and after FAD deployment in American Samoa

Institution: DMWR

Date: October 14

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 113

Author: Buckley, RM; Itano, DG; Buckley, TW

Year: 1989

Title: Fish aggregation device (FAD) enhancement of offshore fisheries in American Samoa

Journal: Bulletin of Marine Science

Volume: 44

Issue: 2

Pages: 942-949

Alternate Journal: DMWR Report Series no. 14

Keywords: American Samoa

Notes: location DMWR fisheries; compared catch data from historical records to today and compared FAD, bank, and non-aided or open water fishing for pelagics, found FAD's increased CPUE, also found CPUE for FAD and bank was similar, differences found in sizes of yellowfin caught in all the areas; also in SPC Fisheries Newsletter no. 37 April - June 1986 pg 37-39

Reference Type: Journal Article

Record Number: 114

Author: Buckley, TW; Miller, BS

Year: 1994

Title: Feeding habits of yellowfin tuna associated with fish aggregation devices in American Samoa

Journal: Bulletin of Marine Science

Volume: 55

Issue: 2-3

Pages: 445-459

Keywords: American Samoa

Notes: location DMWR fisheries; differences in length of yellowfin between bank and FAD, no discussion of the control by looking at non-bank and non-FAD associates, no influence on diet, do not feed at night but feed and hunt at all other times, compares to tuna in other regions,

Reference Type: Book Section

Record Number: 115

Author: Cary, LR

Year: 1931

Title: Studies on the coral reefs of Tutuila, American Samoa with special reference to the Alcyonaria

Book Title: Papers from the Tortugas Laboratory

Publisher: Carnegie Institution of Washington

Pages: 55-98

Keywords: American Samoa

Notes: location DMWR fisheries; covers ecology of Alconaria, structure of reefs, and theories of reef formation of the relation of reefs in Pago harbour to their substratum; interesting historical reference to show what changes have occurred;

Reference Type: Journal Article

Record Number: 328

Author: Caspers, H

Year: 1984

Title: Spawning periodicity and habitat of the palolo worm *Eunice viridis* (Polychaeta: *Eunicidae*) in the Samoan Islands

Journal: Marine Biology

Volume: 79

Pages: 1-5

Keywords: *Eunice viridis*; American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 518

Author: Center for Coastal Marine Studies, University of California

Year: 1980

Title: A selectively annotated bibliography of social, cultural and economic material related to fishery development in Hawaii, American Samoa, and Micronesia

Institution: Pacific Marine Fisheries Commission

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Book

Record Number: 479

Author: Chamberlin, Charles ; Mckee, Mac ; Gearheart, Robert

Year: 1989

Title: A waste load allocation study for Pago Pago harbor, American Samoa

Publisher: American Samoa Environmental Protection Agency

City: Pago Pago, AS

Number of Pages: 123

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 329

Author: Chambers, James R; Nunes, William E

Year: 1975

Title: The Spiny Lobster *Panulirus penicillatus* (Oliver) In American Samoa

Institution: California Polytechnic State University

Date: 1975

Keywords: *Panulirus Penicillatus*; American Samoa

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 116

Author: Champ, MA; O'Connor, TP; Park, PK

Year: 1981

Title: Ocean dumping of seafood wastes in the United States

Journal: Marine Pollution Bulletin

Volume: 12

Issue: 7

Pages: 241-244

Keywords: American Samoa

Notes: location DMWR fisheries; in US waters fish wastes can be dumped if they contain no additives and are dumped in Louisiana, AS, and PR; characteristically high in fat, proteins, dissolved and suspended organic materials; water quality parameters affected are BOD, total dissolved solids, COD, oil and grease, pH, and turbidity; other key factors include organic and nutrient enrichment, attraction of unwanted predators, and the natural oxygen regeneration processes

Reference Type: Journal Article

Record Number: 117

Author: Chapman, L

Year: 1998

Title: The rapidly expanding and changing tuna longline fishery in Samoa

Journal: SPC Fisheries Newsletter

Volume: 84

Pages: 10-23

Keywords: Samoa

Notes: location DMWR fisheries; history and present and future of the Alia fishery in Samoa

Reference Type: Report

Record Number: 634

Author: Chase, Robert; Veitayaki, Joeli

Year: 1992

Title: Implications of climate change and sea level rise for Western Samoa: report of a Preparatory Mission

Institution: SPREP

Keywords: Western Samoa

Notes: en route from SLIC

Reference Type: Report

Record Number: 353

Author: Clark, Eugenie

Year: 1950

Title: Reef Fish Studies In The South Pacific

Institution: The American Museum of Natural History, Pacific Science Board of the National Research Council

Keywords: *Messerschmidia argentea*, Reef fishes, Poisonous fishes; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 621

Author: Clemens, JAG

Title: Size-related feeding depth distribution of five deepwater snapper species off the 2% bank in American Samoa

Institution: DMWR

Type of Work: draft report

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 118

Author: Clemens, JAG

Year: 1997

Title: American Samoa preliminary sharkfin report

Institution: Department of Marine and Wildlife Resources

Keywords: American Samoa

Notes: location DMWR fisheries; sharks not target but fins are valuable bycatch; decline in catch in recent years; few buyers on island; goes into value of industry; export to Asia; info from 1993 but incomplete and poorly collected; extrapolates the possible catch per annum;

Reference Type: Conference Proceedings

Record Number: 119

Author: Coan, AL; Sakagawa, GT; Prescott, D; Williams, P; Staish, K; Yamasaki, G

Year: 2001

Title: The 2000 U.S. Tropical Tuna Purse Seine Fishery in the Central-Western Pacific

Conference Name: South Pacific Regional Tuna Treaty

Conference Location: Apia, Samoa

Pages: 17

Keywords: American Samoa

Notes: location DMWR fisheries; figures and distribution of fishing for U.S. tropical tuna fishery; size distribution and price; percentage split of sets by tuna fishers; landings by port (AS dominant); length frequency split by habitat;

Reference Type: Report

Record Number: 331

Author: Cottor, Patrick; Cox, Susan

Title: Fact Sheet - Ocean Dumping Permit OD 87-01 Research Star-Kist Samoa, Inc. And Samoa Packing Company, Inc.

Institution: Stark Kist and Samoa Packing Company

Type of Work: Fact Sheet

Keywords: Ocean Dumping, Permit, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 120

Author: Council, Western Pacific Regional Fishery Management

Title: American Samoa Fisheries Cultural Aspects

Institution: Western Pacific Regional Fishery Management Council

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 508

Author: Council, Pacific Basin Development

Year: 1984

Title: Central and western pacific regional fisheries development plan volume 1: American Samoa component

Institution: Pacific Basin Development Council

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Conference Proceedings

Record Number: 332

Author: Council, Western Pacific Regional Fishery Management

Year: 1998

Title: Minutes For The 95th Council Meeting

Conference Name: 95th Western Pacific Council Meeting

Conference Location: Pago Pago, American Samoa

Pages: 1-32

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Book

Record Number: 466

Author: Council, Western Pacific Regional Fishery Management

Year: 2000

Title: PROHIBITION ON FISHING FOR PELAGIC MANAGEMENT UNIT SPECIES
WITHIN CLOSED

AREA AROUND THE ISLAND OF AMERICAN SAMOA BY VESSELS MORE THAN 50 ft.
IN LENGTH

Publisher: Western Pacific Regional Fishery Management Council

City: Honolulu, Hawaii

Number of Pages: various

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 335

Author: Craig, Peter

Title: Coconut Crabs (*Birgus latro* L)

Institution: Office of Marine and Wildlife Resources

Keywords: *Decapoda*, *Arthropoda*, *Birgus latro*, *Coenobitidae*, *Anomuran*, *Paguridea*;
American Samoa

Notes: location DMWR fisheries;

Reference Type: Book

Record Number: 336

Author: Craig, Joshua; Iose, Pamela

Title: I'a mai i ou a'au Amerika Samoa e manaia i lau taumafa (Fishes from the waters of
American Samoa - good for your consumption)

Publisher: Department of Marine and Wildlife Resources, Aquatic and Hunter Education
Program of the Department of Marine and Wildlife Resources, U.S Fish and Wildlife
Service

City: American Samoa

Translator: Porter, Mary-Jane

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 122

Author: Craig, P; Truett, J

Year: 1990

Title: Identification of important wildlife issues in American Samoa

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Report Series

Report Number: 16

Keywords: American Samoa

Notes: location DMWR fisheries; overview of workshop, primarily on land but covered turtles, turtle beaches, atoll, marshes, Wildlife Refuges (Rose), and threatened areas (mangroves), rated importance, stressed need for more data,

Reference Type: Report

Record Number: 337

Author: Craig, Peter

Year: 1991

Title: Tuna Landings In American Samoa, 1987-1990

Institution: Department of Marine and Wildlife Resources

Keywords: Albacore, Skipjack, Yellowfin, Bigeye; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 603

Author: Craig, P; Truett, J

Year: 1991

Title: Workshop on important wildlife issues in American Samoa

Institution: DMWR

Type of Work: Biological Report Series

Report Number: 16

Keywords: American Samoa

Notes: location DMWR

Reference Type: Report

Record Number: 339

Author: Craig, Peter

Year: 1992

Title: Tuna Landings In American Samoa, 1987-1991

Institution: Department of Marine and Wildlife Resources

Date: June 1992

Type of Work: DMWR Confidential Summary

Keywords: Tuna landings, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 123

Author: Craig, P

Year: 1993

Title: Tuna landings in American Samoa, 1987-1992

Institution: Department of Marine and Wildlife Resources

Keywords: American Samoa

Notes: location DMWR fisheries; lots of graphs and tables, pelagic landings as delivered to the cannery in AS from 87-92, good overview of fishery in these years in terms of catch

Reference Type: Report

Record Number: 124

Author: Craig, P

Year: 1993

Title: Yellowfin tuna landings in American Samoa, 1976 - 1992

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report Series no. 53

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library; looks at commercial, artesanal, and tournament fisheries, lots of graphs; gives figures for each fishery in averages over a decade

Reference Type: Journal Article

Record Number: 125

Author: Craig, P

Year: 1993

Title: Albacore landings in American Samoa, 1987-1992

Journal: South Pacific Commision Fifth South Pacific Albacore Research Workshop (Papeete, French Polynesia, 29 March - 1 April 1993)

Pages: 1-4

Keywords: American Samoa

Notes: location DMWR fisheries; noted average catch, seasonality, and composition of fleet,

Reference Type: Report

Record Number: 126

Author: Craig, P; Trail, P; Grant, G; Craig, J; Itano, D

Year: 1993

Title: American Samoa: Natural History and Conservation Topics Volume 1

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report Series no. 42

Notes: location DMWR fisheries, DMWR library; discusses population, seasons, global warming, coral reef, fish, turtles, contaminated fish, palolo, series of newspaper articles written for common man

Reference Type: Journal Article

Record Number: 127

Author: Craig, P; Ponwith, B; Aitaoto, F; Hamm, D

Year: 1993

Title: The commercial, subsistence, and recreational fisheries of American Samoa

Journal: Marine Fisheries Review

Volume: 55

Issue: 2

Pages: 109-116

Keywords: American Samoa

Notes: location DMWR fisheries; value of fisheries in 1991, split catch into shoreline/subsistence, artisanal, and tournament, good overview of fisheries in each section, in general found that subsistence is primary fishery, general decline in catch and effort, highlights some problems and potential problems,

Reference Type: Report

Record Number: 625

Author: Craig, P; Trail, P; Grant, G; Craig, J; Itano, D

Year: 1993

Title: American Samoa: Natural History and Conservation Topics Volume 1

Institution: DMWR

Date: August

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 14

Author: Craig, Peter

Year: 1994

Title: Workshop to Identify Important Fish Issues in American Samoa for FY95-99

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series

Report Number: 57

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 565

Author: Craig, P

Year: 1994

Title: Major coral bleaching in Samoa's local waters

Volume: 3 May

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 15

Author: Craig, Peter

Year: 1995

Title: American Samoa: Natural History and Conservation Topics: Volume 2

Institution: Department of Marine and Wildlife Resources

Date: 1995

Type of Work: Biological Report Series

Report Number: 67

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library

Reference Type: Report

Record Number: 128

Author: Craig, P

Year: 1995

Title: Temperature data sets for nearshore and offshore waters of American Samoa

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report Series no. 75

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library; temperature data sets

Reference Type: Conference Proceedings

Record Number: 132

Author: Craig, P

Year: 1995

Title: Are tropical nearshore fisheries manageable in view of projected population increases?

Conference Name: South Pacific-Forum Fisheries Agency regional inshore management workshop

Conference Location: New Caledonia

Keywords: American Samoa

Notes: location DMWR fisheries; In a word, no; growth too fast and island no longer self supporting therefore the poorer marginalized people will be more and more reliant on a diminishing resource and with pop. growth that resource will be quickly used up

Reference Type: Report

Record Number: 346

Author: Craig, Peter

Year: 1995

Title: Community Perception of Changes in Coral Reef Fisheries in American Samoa

Institution: DMWR

Date: 7 June 1995

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 347

Author: Craig, Peter; Choat, J.H; Axe, L.M

Year: 1995

Title: Population dynamics of tropical reef fish (*Acanthurus lineatus*) harvested in American Samoa.

Institution: DMWR

Date: 9 Oct 1995

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 121

Author: Craig, P; Green, A; Saucerman, S

Year: 1995

Title: Coral Reef Troubles in American Samoa

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report Series no. 66

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library;

Reference Type: Journal Article

Record Number: 349

Author: Craig, Peter

Year: 1996

Title: Intertidal territoriality and time-budget of the surgeonfish, *Acanthurus lineatus* in American Samoa

Journal: Environmental Biology of Fishes

Volume: 46

Pages: 9

Keywords: Coral reef South Pacific Acanthuridae Behavior Feeding Aggression; American Samoa

Abstract: The herbivorous surgeonfish *Acanthurus lineatus* aggressively maintained feeding territories in the surf zone of the outer reef flat in American Samoa. Intertidal territories were re-established each morning, as well as after displacement by low tides or rough surf. Day-to-day site fidelity of recognizable individuals was high: 99.9% return rate per day for adults (15-20 cm), 99.6% for juveniles (8-13 cm), and 97.2% for recruits (2.5-5 cm). Fish fed on turf algae primarily in the afternoon (80% of available time), and spent 10% of their time on active territorial defense and 2-13% of their time on forays from their territory. On average, a fish defended its territory 1900 times daily and took 17000 bites, but rough surf reduced feeding by 60% and defense by 75%. High territorial defense requirements significantly reduced feeding rates. Although the distribution and behavior of this species in Samoa was in large part similar to that reported for it elsewhere (Australia, Indian Ocean), there were notable differences: in Samoa *A. lineatus* densities within colonies were greater, territory size smaller, and defense rate against intruders was greater. These differences in Samoa may be related to their smaller body size, greater abundance or increased food supply caused by hurricane damage to reefs which has enhanced the algal turfs that *A. lineatus* feeds upon.

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 350

Author: Craig, Peter

Year: 1996

Title: Notes on the spawning of several surgeonfishes and wrasses in American Samoa

Institution: DMWR

Keywords: American Samoa

Abstract: Systematic and opportunistic spawning observations were made on surgeonfishes and wrasses at Afao reef on Tutuila Island, American Samoa. Four species spawned throughout the year: *Acanthurus lineatus*, *A. triostegus*, *A. guttatus* and *Thalassoma quinquevittatum*. Opportunistic spawning sightings included: *A. nigrofusus*, *T. hardwickii*, *T. purpuraceum*, *Stethojulis bandanensis* and *Gomphosus varius*. Virtually all spawning occurred in or adjacent to the channel draining the reef flat (ava). Egg predation by *Macolor niger* was high for the surgeonfishes but not for the wrasses.

This report summarized spawning records for several coral reef fishes in American Samoa. Spawning events were observed during the course of field studies that focused on *Acanthurus lineatus* in 1991-1995 (Craig 1995a, Craig et al. 1996). Field observations were made by snorkeling in shallow water, usually at the village of Afao (Tutuila Island). Approximately 350 snorkeling trips were made, during which several habitats were often viewed on a daily or weekly basis although at varying times of day: outer reef flat, deeper waters (to 8m) adjacent to the reef flat, and the reef outlet channel (ava). Surveys during the months of June and July were less frequent due to rough surf conditions. The primary area viewed at Afao extended from the reef channel westward approximately 200m towards Mu point (Fig. 1).

For 3 of the surgeonfishes (*Acanthurus lineatus*, *A. triostegus*, *A. guttatus*), monthly observations were systematically made to determine seasonal patterns; spawnings by the remaining species were opportunistic encounters. Confirmation of spawning was determined by the upward rush of fish, culminating in the production of a visible milt cloud. Water temperatures were measured with a mercury thermometer with an assumed accuracy of 0.5 degree celsius. A summary of seasonal water temperatures in the Afao study area is presented elsewhere (Craig 1995b).

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 133

Author: Craig, PC

Year: 1997

Title: Population biology and harvest of the coral reef surgeonfish *Acanthurus lineatus* in American Samoa

Journal: Fishery Bulletin

Volume: 95

Pages: 680-693

Keywords: American Samoa

Notes: location DMWR fisheries; majorly harvested species making up 39% of artisanal harvest by weight, spawning year round with a peak in spring/summer, settlement pulse in March/April on outer reef flat, low survival in first year increasing thereafter, site attached during the day, condition changed paralleling seasonal changes, rapid growth in first year followed by slower growth and long life, no signs of overfishing

Reference Type: Journal Article

Record Number: 135

Author: Craig, PC

Year: 1998

Title: Temporal spawning patterns of several surgeonfishes and wrasses in American Samoa

Journal: Pacific Science

Volume: 52

Issue: 1

Pages: 35-39

Keywords: American Samoa

Notes: location DMWR fisheries; Three surgeonfish, two wrasses, spawning year round, species were time specific in spawning, spawned in adjacent channel draining reef flat, egg predation was high

Reference Type: Report

Record Number: 18

Author: Craig, Peter; Daschbach, Nancy; Wiegman, Sheila; Curren, Flinn; Aicher, Jennifer

Year: 1999

Title: Workshop Report and Development of 5-year Plan for Coral Reef Management in American Samoa (2000-2004)

Institution: American Samoa Coral Reef Advisory Group

Date: September 1999

Label: CRAG

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 136

Author: Craig, P

Year: 1999

Title: The von Bertalanffy growth curve: when a good fit is not good enough

Journal: Naga, The ICLARM Quarterly

Volume: 22

Issue: 4

Pages: 28-29

Keywords: American Samoa

Notes: location DMWR fisheries; von Bertalanffy growth curve not accurate for *Acanthurus lineatus* which may need a two-phase VBGF

Reference Type: Book Section

Record Number: 20

Author: Craig, P.; Saucerman, S.; Wiegman, S.

Year: 2000

Title: Central South Pacific Ocean (American Samoa)

Book Title: Seas at the millennium: an environmental evaluation

Editor: Sheppard, C.

Label: A/I/1

Keywords: American Samoa

Notes: location DMWR fisheries; overview of problems facing Samoa

Reference Type: Journal Article

Record Number: 138

Author: Craig, P; Birkeland, C; Belliveau, S

Year: 2001

Title: High temperatures tolerated by a diverse assemblage of shallow-water corals in American Samoa

Journal: Coral Reefs

Volume: 20

Pages: 185-189

Keywords: American Samoa

Notes: location DMWR fisheries; looked at temp regime in a back reef moat with low tidal depths on Ofu Island; high diversity of corals with 25-26% live coral cover; mean summer temp was 29.3C with fluctuations of up to 6.3C and peaked at 34.5C; duration of hot water events averaged 2.4 hr and occurred on 35 summer days; daily mean temps did not generally exceed 30.5C and were generally within 0.5C of the temp occurring outside the moat; there had previously been mortality of many acroporids during a long-term warming period but many species can withstand this temp regime

Reference Type: Report

Record Number: 139

Author: Craig, P; Basch, L

Year: 2001

Title: Developing a coral reef monitoring program for the national park of American Samoa: a practical management-driven approach for small marine protected areas

Institution: National Park of American Samoa

Keywords: American Samoa

Notes: location DMWR fisheries; like a five year plan for the parks; discusses factors for tracking changes and where the parks are now

Reference Type: Book Section

Record Number: 140

Author: Craig, P

Year: 2001

Title: Status of coral reefs in 2000: American Samoa

Book Title: Status and Trends of US Coral Reefs, 2000

Publisher: NOAA

Keywords: American Samoa

Notes: location DMWR fisheries; overview of reef health and problems with recommendations for improvement

Reference Type: Report

Record Number: 542

Author: Crook, M

Year: 1985

Title: Static Fishing Around Fish Aggregating Devices (FADS) and Offshore Banks in American Samoa

Institution: Pacific fisheries development foundation

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Journal Article

Record Number: 593

Author: Crook, M

Year: 1987

Title: Static fishing around fish aggregation devices (FADs) and offshore banks in American Samoa

Journal: Fisheries Newsletter

Volume: 42

Issue: July-September

Pages: 27-32

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 351

Author: Crook, Mike

Year: 1988

Title: Preliminary Bottomfish Assessment for Waters Surroundings Savai'i, Western Samoa and The 17-Fathom Bank

Institution: Fisheries Division, Department of Agriculture, Forest and Fisheries, Western Samoa Government, United States Agency for International Development

Date: January 31, 1988

Keywords: Bottomfish, Assessment, Waters, Savai'i, Western Samoa, Fathom Bank

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 141

Author: Crossland, J; Grandperrin, R

Title: The Development of Deep Bottom Fishing in the Tropical Pacific

Institution: SPC

Keywords: American Samoa

Notes: location DMWR fisheries; bottom fishing projects in operation since 1974 in many regions of tropical Pac; reviews first project the Outer Reef Artisanal Fisheries Project (end 1977) and covers in more detail the present project, the Deep Sea Fisheries Development Project; encourages dev. of a small scale fishery for deep water bottom fish occurring on outer reef slopes and seamounts from 100-400 m; demonstrates techniques using handreels, monofilament line, and wire terminal rigs; fish from local boats (gov't and private); give on the job training to local fishermen; Visited AS and others between March 1978 and June 1979 and found Lutjanids to dominate catches (nearly 1/2 by wt), avg. catch varied by location; considers catches to be economically valuable

Reference Type: Conference Proceedings

Record Number: 579

Author: Curren, F

Year: 2000

Title: The offshore pelagic fisheries of American Samoa

Conference Name: 13th Meeting of the Standing Committee on Tuna and Billfish

Editor: SCTB

Publisher: SCTB

Conference Location: Noumea, New Caledonia

Pages: 6

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 617

Author: Cutler, R

Title: Report on introduction and growout trial of *Crassostrea gigas* triploids in Safata Bay, Western Samoa

Institution: Kitt's Oyster Co.

Keywords: Western Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 142

Author: Dahl, AL

Year: 1970

Title: Ecological report on American Samoa

Institution: Smithsonian Institution

Type of Work: 13pp unpublished

Keywords: American Samoa

Notes: location DMWR fisheries; outlines ecological problems that are still unfixed today; also threatens things that could become problems (most of which have)

Reference Type: Journal Article

Record Number: 143

Author: Dahl, AL

Year: 1972

Title: Ecology and community structure of some tropical reef algae in Samoa

Journal: Proceedings of the International Seaweed Symposium

Volume: 7

Pages: 36-39

Keywords: American Samoa

Notes: location DMWR fisheries; widespread occurrence of algal turfs

Reference Type: Journal Article

Record Number: 144

Author: Dahl, AL; Macintyre, IG; Antonius, A

Year: 1974

Title: A comparative survey of coral reef research sites

Journal: Atoll Research Bulletin

Pages: 37-75

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete (only Pacific info); compared research sites in both Caribbean and Pacific; outlines what makes a good research site

Reference Type: Journal Article

Record Number: 145

Author: Dahl, AL; Lamberts, AE

Year: 1977

Title: Environmental impact on a Samoan coral reef: a resurvey of Mayor's 1917 transect

Journal: Pacific Science

Volume: 31

Issue: 3

Pages: 309-319

Keywords: American Samoa

Notes: location DMWR fisheries; resurveyed in 1973; some sites destroyed or damaged in the intervening century; reduction in total number of corals, a change in relative proportions of different genera, and probable reduction in average size of colonies were recorded; both human and natural impacts blamed; may be in recovery from earlier events

Reference Type: Report

Record Number: 146

Author: Dalzell, P; Debaio, A; Jacob, P

Year: 1992

Title: A preliminary account of coastal fisheries in Nauru with an outline for a catch monitoring programme

Institution: South Pacific Commission

Keywords: American Samoa

Notes: location DMWR fisheries; appendix includes a letter from AS (Nancy Daschbach) re: scuba fishing ban; anecdotal evidence but very good with how many, how often, and how few fish are left

Reference Type: Journal Article

Record Number: 147

Author: Dalzell, P; Adams, TJH; Polunin, NVC

Year: 1996

Title: Coastal fisheries in the Pacific Islands

Journal: Oceanography and Marine Biology: an Annual Review

Volume: 34

Pages: 395-531

Keywords: American Samoa

Notes: location DMWR fisheries; describes fisheries, catch composition, catch rates, and fisheries biology of larger stocks; overview of region in general

Reference Type: Conference Proceedings

Record Number: 652

Author: Daschback, Nancy; Brighthouse-Failauga, Genevieve; Tauoa, Lance

Year: 1996

Title: Pacific basin CZM '96

Conference Name: Sharing opportunities and responsibilities for Coastal Zone Management

Publisher: Economic Development Planning Office

Conference Location: American Samoa

Pages: 88

Keywords: American Samoa

Notes: en route SLIC

Reference Type: Journal Article

Record Number: 148

Author: Davis, WM

Year: 1921

Title: The coral reefs of Tutuila, Samoa

Journal: Science

Volume: 53

Pages: 559-565

Keywords: American Samoa

Notes: location DMWR fisheries; takes a look at the detailed chart of Tutuila; showed the mountainous volcanic island to be surrounded by an extensive submarine bank from one to three miles wide; shallower near its inner and outer margins than the intermediate belt; the shallower parts are submerged fringing and barrier reefs which should rest on a wave-cut platform now lying between 60-70 fathoms due to subsidence; shores are embayed and bordered with well developed fringing reefs

Reference Type: Journal Article

Record Number: 149

Author: Dawson, JM

Year: 1977

Title: Fish Poisoning in American Samoa

Journal: Hawaiian Medical Journal

Volume: 36

Issue: 8

Pages: 239-243

Keywords: American Samoa

Notes: location DMWR fisheries; first survey of fish poisoning in AS was 1902; more recently AS has been considered an area where fish poisoning is endemic; an average of 40 people are hospitalized in AS yearly for fish poisoning; ciguatera accounted for 1/3 of these

Reference Type: Report

Record Number: 150

Author: Department, Bank of Hawaii Economics

Year: 1992

Title: Pacific Islands Economic Trends: American Samoa, Commonwealth of the Northern Marianas Islands, Federated States of Micronesia, French Polynesia, Guam, and Republic of the Marshall Islands

Institution: Bank of Hawaii

Type of Work: Report to the Pacific Business Opportunities Conference

Keywords: American Samoa

Notes: location DMWR fisheries; overview of American Samoa including a description of traditional government; figures for the economy of AS

Reference Type: Report

Record Number: 22

Author: DesRochers, Kim; Tuilagi, Fale

Year: 1993

Title: 1992 American Samoa Subsistence Fishing Survey

Institution: Department of Marine and Wildlife Resources

Date: December 1993

Type of Work: DMWR Biological Report Series

Report Number: 45

Label: B/II/4

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 541

Author: Devaney, Dennis M

Year: 1977

Title: Marine ecology reconnaissance survey, Auasi Harbor project, Auasi, Tutuila Island, American Samoa

Institution: Bernice P. Bishop Museum

Keywords: American Samoa

Notes: location Feleti Barstow

Reference Type: Report

Record Number: 537

Author: Division, U.S. Army Corps of Engineers Pacific Ocean

Year: 1980

Title: American Samoa coral reef inventory : ASCRI project

Institution: U.S. Army Corps of Engineers Pacific Ocean Division

Date: August

Keywords: American Samoa

Notes: location Feleti Barstow, DMWR fisheries

Reference Type: Report

Record Number: 582

Author: DMWR

Title: DMWR Biological Report Series

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library

Reference Type: Report

Record Number: 616

Author: DMWR

Title: Department of Marine and Wildlife Resources Giant Cam Project

Institution: DMWR

Type of Work: Market report/business flyer

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 498

Author: DMWR

Year: 1979-1985

Title: Fagatele Bay transect species checklists

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 606

Author: DMWR

Year: 1989

Title: American Samoa Fisheries Investigations Annual Report FY89

Institution: DMWR

Type of Work: Federal Aid in Sport Fish Restoration Act

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 598

Author: DMWR

Year: 1990

Title: American Samoa Fisheries Investigations Annual Report

Institution: DMWR

Type of Work: Federal Aid in Sport Fish Restoration Act

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 615

Author: DMWR

Year: 1990

Title: Aquatic and hunter education program in American Samoa Program narrative for Federal aid in sport fish restoration

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report
Record Number: 608
Author: DMWR
Year: 1991
Title: American Samoa fisheries investigations annual report FY91
Institution: DMWR
Type of Work: Federal Aid in Sport Fish Restoration Act
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 611
Author: DMWR
Year: 1991
Title: American Samoa Aquatic and Hunter Education Annual Report FY91
Institution: DMWR
Type of Work: Federal Aid in Sport Fish Restoration Act
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 589
Author: DMWR
Year: 1992
Title: Environmental Education Workshop Proceedings June 1992
Institution: DMWR
Type of Work: Biological Report Series
Report Number: 38
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 595
Author: DMWR
Year: 1992
Title: American Samoa Fisheries Investigations Annual Report
Institution: DMWR
Type of Work: Federal Aid in Sport Fish Restoration
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 613
Author: DMWR
Year: 1992
Title: American Samoa Aquatic and Hunter Education Program Annual Performance Report FY92
Institution: DMWR
Type of Work: Federal Aid in Fish and Wildlife Restoration Acts
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report

Record Number: 614

Author: DMWR

Year: 1992

Title: American Samoa Department of Marine and Wildlife Resources Environmental Education Workshop June 1992

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 596

Author: DMWR

Year: 1993

Title: American Samoa Fisheries Investigations Annual Report FY 93

Institution: DMWR

Type of Work: Federal Aid in Sport Fish Restoration Act

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 644

Author: DMWR

Year: 1993

Title: The great Samoan turtle mystery

Institution: DMWR

Keywords: Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 597

Author: DMWR

Year: 1994

Title: American Samoa Fisheries Investigations Annual Report FY 94

Institution: DMWR

Type of Work: Federal Aid in Sport Fish Restoration Act

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 594

Author: DMWR

Year: 1995

Title: American Samoa Fisheries Investigations Annual Report FY 95

Institution: DMWR

Type of Work: Federal Aid in Sport Fish Restoration

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 619

Author: DMWR

Year: 1995

Title: American Samoa Fisheries Investigations Annual Report FY95

Institution: DMWR

Type of Work: Federal Aid in Sport Fish Restoration Act

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 653

Author: DMWR

Year: 1999

Title: American Samoa's coral reef initiative

Institution: DMWR

Keywords: American Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 554

Author: Eginton, R ; Baird, R.H ; Hume, Howard

Year: 1976

Title: Report on the South Pacific Commission outer reef fisheries project in Western Samoa, 1 April - 31 October 1975

Institution: South Pacific Commission

Keywords: Western Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 151

Author: Eldredge, LG

Title: Perspectives in Aquatic Exotic Species Management in the Pacific Islands

Institution: South Pacific Commission

Type of Work: Inshore Fisheries Research Document Technical Document No. 7

Report Number: SPREP Reports and Studies Series No. 78

Keywords: American Samoa

Notes: location DMWR fisheries; covers aquaculture species that have been introduced to different islands

Reference Type: Report

Record Number: 580

Author: Eldredge, LG

Title: Bibliography of Marine Ecosystems of the Pacific Islands

Institution: Marine Laboratory, University of Guam

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 627

Author: Eyre, PR

Year: 1990

Title: Geology and ground-water resources of Tutuila, American Samoa

Institution: U.S. Geological Survey

Type of Work: Water-Resources Investigation Report

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete, abstract only

Reference Type: Conference Proceedings

Record Number: 152

Author: Fa'asili, U; Time, S

Year: 1997

Title: Alia Longline Fishery in Samoa

Conference Name: Conference on Building Sustainable Tuna Industry in Pacific Islands

Conference Location: Maui Centre

Pages: 4

Keywords: Samoa

Notes: location DMWR fisheries;

Reference Type: Conference Proceedings

Record Number: 153

Author: Fa'asili, U; Time, S; Siamomua, M

Year: 1998

Title: Alia longline fishery development in Samoa

Conference Name: Fisheries Management Workshop

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Pages: 6

Keywords: Samoa

Notes: location DMWR fisheries; West Samoa; overview of alia fishery including history, future, and present (gear, operation, catch); also covers problems and solutions

Reference Type: Conference Proceedings

Record Number: 354

Author: Fa'asili, U.M. King; Taua, A

Year: 1998

Title: Community Based Management of Subsistence Fisheries in Tropical Regions

Conference Name: Second Pacific Community Fisheries Management Workshop

Conference Location: Noumea, New Caledonia

Pages: 1-6

Keywords: community-based fisheries management; fisheries extension; tropical fisheries; marine protected areas; Samoa

Abstract: Many subsistence fishers in tropical regions live in discrete communities which have some degree of control of adjacent waters. This provides an ideal basis on which to motivate communities to manage their own marine resources. A fisheries extension program in Samoa encouraged each village community to define its key problems, discuss causes, propose solutions, and take appropriate actions. Various village groups, including women's and untitled men's groups, provided information which was recorded (as problem/solution trees) on portable white-boards. The extension process culminated in a community-owned Fisheries Management Plan which listed the resource management and conservation undertakings of the community. Undertakings have ranged from enforcing laws banning destructive fishing methods to protecting critical marine habitats. During the 42 months of the AusAID Fisheries Extension and Training Project, the extension process was commenced in 70 villages, of which 53 have produced Village Fisheries Management plans. An unexpectedly large number (48) of these villages chose to establish community-owned Marine Protected Areas.

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 154

Author: FAO

Year: 1991

Title: Fishery resources assessment for management Western Samoa Phase 1. Upolu Project findings and recommendations

Institution: FAO

Report Number: SAM/89/002 terminal report

Keywords: Western Samoa

Notes: location DMWR fisheries; second draft only; describes reefs, biogeography, inshore status of Upolu; discusses the commercial fisheries from inshore, bottomfish, and offshore; also discusses the subsistence fishery in Western Samoa; preliminary estimates as the final surveys from 1991 had not yet been added; goes into inshore fisheries management covering both laws in place and recommending new laws that would help; finally makes recommendations for the fishery

Reference Type: Report

Record Number: 155

Author: FAO

Year: 1992

Title: A Report of the Statistics on Commercial Landings of Fish and Invertebrates in Western Samoa

Institution: Food and Agriculture Organization of the United Nations

Report Number: FAO/UNDP SAM/89/002 Field Report no. 3

Keywords: Western Samoa

Notes: location DMWR fisheries; covers the methods of assessing the Western Samoan fisheries; also covers landings for 1975 - 1990; discusses the effects of Cyclone Ofa on the fishery;

Reference Type: Report

Record Number: 156

Author: FAO

Year: 1993

Title: Fisheries resources assessment for management

Institution: FAO/UNDP

Report Number: FI:DP/SAM/89/002 Terminal Report

Keywords: Western Samoa

Notes: location DMWR fisheries; looked at the fisheries of Samoa with an eye toward management; recommends better fisheries department with larger staff; recommends drafting fisheries regulations to take control of certain species, size and sex of fish caught, and use of certain gear; suggests management strategies and programs for inshore fisheries; wishes to develop aquaculture; phase II is to be the same done around Savai'i island

Reference Type: Report

Record Number: 356

Author: Ferrari, Frank

Year: 1974

Title: A Report Of The Zooplankton Of The Pago Pago Harbor Area

Institution: Department of Marine and Wildlife Resources

Keywords: Zooplankton, Pago Pago Harbor Area; American Samoa

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 157

Author: Fiske, SJ

Year: 1992

Title: Sociocultural aspects of establishing marine protected areas

Journal: Ocean & Coastal Management

Volume: 18

Pages: 25-46

Keywords: American Samoa; Puerto Rico

Notes: location DMWR fisheries; compares the happenings at two US National Marine Sanctuaries one in PR and one in AS; one ended with frustration and failure the other was successful; highlights the importance of looking at social aspects before deciding things

Reference Type: Report

Record Number: 497

Author: Flanigan, J.M.

Year: 1982

Title: A handbook pertaining to a reef-oriented natural history of the islands of American Samoa

Institution: ASCC

Type of Work: handbook

Keywords: American Samoa

Notes: location DMWR library, DMWR fisheries

Reference Type: Report

Record Number: 556

Author: Floyd, Jesse M

Year: 1986

Title: The tuna industry in American Samoa: industry developments, current operations, future prospects

Institution: prepared for the American Samoa Economic Development and Planning Office by the Marine Policy Consultant

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 357

Author: Forsell, Douglas J; Bauer, Richard A; Knowles, William

Year: 1988

Title: Expedition Report - Rose Atoll

Institution: U.S. Fish and Wildlife Service, Hawaiian and Pacific Islands National Wildlife Refuge

Date: October 11-15, 1988

Type of Work: Administrative Report

Keywords: Expedition, Rose Atoll; American Samoa

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 158

Author: Foster, WA

Year: 1989

Title: Zonation, behaviour and morphology of the intertidal coral-treader *Hermatobates* (Hemiptera: Hermatobatidae) in the south-west Pacific

Journal: Zoological Journal of the Linnean Society

Volume: 96

Pages: 87-105

Keywords: American Samoa

Notes: location DMWR fisheries; only exclusively marine family of insect; can be abundant on shores with lots of rocks with crevices that remain air filled at high tide; restricted to a narrow band centered around Mean Low Water Neaps; can't survive above or below; swim on surface at low tide then return an hour after tide turn; hairs hold air and water surface for bugs; four larval stages; adults can swim further from shore than juvies and copulate in tide pools; can survive submerged in recirc sea water for twelve hours (50% mort)

Reference Type: Book Section

Record Number: 358

Author: Fowler, Henry W; Silvester, Charles F

Year: 1922

Title: A Collection of Fishes from Samoa

Publisher: Academy of Natural Sciences of Philadelphia, United States Army

Pages: 1-12

Keywords: Fishes from Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 535

Author: Fowler, Henry W

Year: 1925

Title: Fishes of Guam, Hawaii, Samoa and Tahiti

Institution: Bernice P. Bishop Museum

Keywords: Samoa

Notes: location Feleti Barstow

Reference Type: Report

Record Number: 159

Author: Gillett, R; Sua, T

Year: 1987

Title: Western Samoan Fisheries Bibliography

Institution: FAO/UNDP Regional Fishery Support Programme

Report Number: Field Document 87/6

Keywords: Western Samoa

Notes: location DMWR fisheries; lists references by subject and includes annual reports, aquaculture, bibliographies, boats and boatcraft, charts etc, environmental issues, various species and types of fisheries, and many others; in addition gives location of sources

Reference Type: Report

Record Number: 638

Author: Gillie, R. D.; Woodward, P.

Year: 1992

Title: Air photo survey of coastal areas Upolu and Savaii, Western Samoa

Institution: South Pacific Applied Geoscience Commission

Keywords: Western Samoa

Notes: en route from SLIC

Reference Type: Report

Record Number: 587

Author: GMP Associates, Inc.

Year: 1998

Title: Site characterization report for the Fitiuta airport runway extension

Institution: GMP Associates, Inc.

Date: June

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Personal Communication

Record Number: 360

Author: Government, American Samoa

Year: 1994

Title: Memorandum Of Understanding Between the Fish And Wildlife Service U.S. Department of the Interior and the American Samoa Government

Date: 1995

Type: Memorandum

Keywords: Memorandum, Fish, Wildlife, Department of Interior, American Samoa Government

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 160

Author: Grant, GS; Craig, P; Balazs, GH

Year: 1997

Title: Notes on juvenile hawksbill and green turtles in American Samoa

Journal: Pacific Science

Volume: 51

Issue: 1

Pages: 48-53

Keywords: American Samoa

Notes: location DMWR fisheries; found hatchlings, juveniles and adult females in AS; flipper tagged juvie hawksbills showed short distance homing movements and high growth rates

Reference Type: Report

Record Number: 363

Author: Green, Allison

Title: Fish Communities

Institution: DMWR

Abstract: The coral reefs of American Samoa have suffered many major impacts in the last two decades, including a major outbreak of the corallivorous starfish *Acanthaster planci*, two devastating hurricanes and a mass coral bleaching event (see Coral Communities). In addition, the reefs in some locations, such as Pago Pago Harbor, have been subjected to human impacts including sedimentation, eutrophication and pollution (Craig et al. 1995, see Coral communities). As a direct result of these disturbances, the coral reefs of Fagatele Bay National Marine Sanctuary and other locations around Tutuila Island, have changed dramatically in recent years. Of particular importance have been the physical changes to the reef framework, and the decrease in coral cover that have occurred in some locations (see Coral communities).

Corals communities provide important habitat for fishes which inhabit coral reefs, and a decline in their condition may have major consequences for the associated fish fauna. The purpose of this study was to determine if the coral reef fish communities in Fagatele Bay and elsewhere around Tutuila Island, have changes substantially over the last two decades, along with the changes communities were described based on the results of several fish surveys that have been done over the last 17 to 18 years (Birkeland et al. 1987, Birkeland et al. 1988, this study).

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 367

Author: Green, Alison; Mundy, Craig

Title: Biological assessment of the coral reefs adjacent to the proposed road development on Ta'u Island, Manu'a Islands

Institution: Department of Marine and Wildlife Resources

Keywords: American Samoa; Reef Fishes, Ta'u Island, Manu'a, *Chromis acares*, *Pomachromis richardsoni*, *Chrysiptera cyanea*, *Pomacentrus vaiuli*, *Ctenochaetus striatus*, *Acanthurus nigrofusus*, *Thalassoma quinquivittatum*, *Lutjanus kasmira*, *Balistidae*, *Carangidae*, *Chaetodontidae*, *Kyphosidae*, *Lethrinidae*, *Mullidae*, *Pinguipedidae*, *Pomacanthidae*, *Scaridae*, *Serranidae*, *Tetraodontidae*, *Zanclidae*, *Tridacna maxima*, *Caranx spp.*, *Cheilinus undulatus*, *Scarus microrhinus*, *Acanthastrea hillae*, *Porites densa*, *Montipora danae*, *Acropora crateriformis*, *Astreopora listeri*, *Astreopora gracilis*, *Goniopora somaliensis*, *Goniastrea australensis*, *Montipora grisea*, *Astreopora listeri*, *Montastrea curta*, *Favia mattai*

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 368

Author: Green, Alison

Title: Rose Atoll: A Remote Coral Reef In The Central Pacific

Institution: American Samoa Department of Marine and Wildlife Resources

Keywords: Rose Atoll, Coral Reef, Central Pacific; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 562

Author: Green, A

Title: Fish Communities of the Fagatele Bay National Park

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries; part of the Randall et al. report on the marine resources of the Fagatele Bay Marine Sanctuary

Reference Type: Report

Record Number: 586

Author: Green, A

Title: Save our coral reefs!

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 369

Author: Green, Alison; Craig, Peter

Year: 1994

Title: Rose Atoll: A Refuge For Giant Clams In Samoa?

Institution: American Samoa Department of Marine and Wildlife Resources

Date: November 1994

Keywords: Rose Atoll, Refuge, Giant Clams, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 370

Author: Green, Alison; Craig, Peter

Year: 1995

Title: Research Proposal for assessing the damage of a ship grounding on the coral reefs at Rose Atoll

Institution: Department of Marine and Wildlife Resources

Keywords: Rose Atoll, Jin Shiam Fa; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 567

Author: Green, A

Year: 1995

Title: Status of American Samoa's coral reefs

Institution: DMWR

Type of Work: CRI Governor's meeting report

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 610

Author: Green, A

Year: 1995

Title: A quantitative survey of the coral reef habitats of American Samoa (Central Pacific), and their associated fish assemblages

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR

Reference Type: Report

Record Number: 161

Author: Green, A

Year: 1996

Title: Status of the coral reefs of the Samoan Archipelago

Institution: Department of Marine and Wildlife Resources

Date: July 1996

Keywords: American Samoa

Notes: location DMWR fisheries; found 266 species of fish and only included families amenable to visual census; species richness tended to increase with depth; density varied among islands and not by habitat type; relative abundance varied among habitat type with different fish communities inhabiting different habitat types; fish biomass also varied by habitat type; coral cover was low to moderate on the crest and reef front but was more variable for all other habitats; type of coral also varied among habitat types; fish species richness was higher on Aunu'u, Ofu, Olosega, and Swains; fish density varied among islands and sites but was particularly high at the two remote islands; fish relative abundance varied among islands; biomass was highly variable on most islands; coral cover was also highly variable throughout the archipelago as was type of coral; coral cover has been reasonably rapid in recovery after the hurricane;

Reference Type: Report

Record Number: 364

Author: Green, Alison

Year: 1996

Title: The coral reefs of Swains Islands, American Samoa

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library;

Reference Type: Journal Article

Record Number: 163

Author: Green, AL; Birkeland, CE; Randall, RH; Smith, BD; Wilkens, S

Year: 1997

Title: 78 years of coral reef degradation in Pago Pago Harbor: a quantitative record

Journal: Proceedings 8th International Coral Reef Symposium

Volume: 2

Pages: 1883-1888

Keywords: American Samoa

Notes: location DMWR fisheries; ran transects in 1995 then compared to historical data from 1917 and 1973, found dramatic changes, coral richness abundance cover and colony size have decreased and relative abundance has changed, coral zonation has also changed, diversity of Acropora and some macroinvertebrates are also changed/lowered, no discussion on fish at all,

Reference Type: Report

Record Number: 164

Author: Green, A

Year: 1997

Title: An assessment of the status of the coral reef resources, and their patterns of use, in the U.S. Pacific Islands

Institution: Western Pacific Regional Fisheries Management Council

Keywords: American Samoa

Notes: location DMWR fisheries;incomplete but we have a complete copy somewhere

Reference Type: Report

Record Number: 165

Author: Green, AL

Year: 1997

Title: Status report for the Pacific Islands?

Institution: ICRI?

Keywords: American Samoa

Notes: location DMWR fisheries;no front page (hopefully I can get one); summarizes the condition of resources and most recent fisheries statistics; does not appear to be a need for management at this time in the Western Pacific; recommends revisiting the issue regularly; reviews each island or island group separately; if there is a coral reef FMP is developed than need to address information needs, overlap with existing FMP's, and issues of jurisdiction; could be same as above

Reference Type: Report

Record Number: 549

Author: Green, Alison; Burgett, Jeff; Molina, Michael; Palawski, Don; Gabrielson, Paul

Year: 1997

Title: The impact of a ship grounding and associated fuel spill at Rose Atoll national wildlife refuge, American Samoa

Institution: U.S. Fish and wildlife service Pacific Islands Ecoregion

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 166

Author: Green, A; Hunter, C

Year: 1998

Title: A Preliminary Survey of the Coral Reef Resources in the Tutuila Unit of the National Park of American Samoa

Institution: Department of Marine and Wildlife Resources

Date: February 1998

Keywords: American Samoa

Notes: location DMWR fisheries; looks at reefs in the national park on Tutuila; 85 coral taxa were recorded; in general coral cover tended to be higher at the eastern end of the park; primarily had encrusting with massives also common and other forms rarer; coral recovering from recent hurricanes; 192 fish species found; tended to be dominated by damselfish and surgeonfish; most abundant species varied among sites; burrowing urchins, encrusting sponges, and tunicates were the only common macro-inverts; nudibranchs and sea stars seen at most sites; lobsters, cucumbers, and turbos were rare; no COT's were observed although feeding scars seen; giant clams were relatively uncommon in the park; only one turtle was observed during the surveys; spinner dolphins were observed three times; humpback whales were not seen because out of season but have been recorded previously; reported night spear fishing occurs in the park at night and evidence (battery dump, boats anchored in the area) supports this; coral appear healthy although some sick;

Reference Type: Journal Article

Record Number: 167

Author: Green, A; Craig, P

Year: 1999

Title: Population size and structure of giant clams at Rose Atoll, an important refuge in the Samoan Archipelago

Journal: Coral Reefs

Volume: 18

Pages: 205-211

Keywords: American Samoa

Notes: location DMWR fisheries; estimate number based on limited transects, found where clams are present in large numbers, low mortality found and due to nat'l mort, estimated number of mature clams and decided that this was an important refuge since the clams are over fished everywhere else in Samoa

Reference Type: Journal Article

Record Number: 168

Author: Green, AL; Birkeland, CE; Randall, RH

Year: 1999

Title: Twenty years of disturbance and change in Fagatele Bay National Marine Sanctuary, American Samoa

Journal: Pacific Science

Volume: 53

Issue: 4

Pages: 376-400

Keywords: American Samoa

Notes: location DMWR fisheries; catalogue of disturbances and recovery rates of coral and fish in an undisturbed habitat as opposed to other areas where recovery is slow to non-existent due to human impact,

Reference Type: Report

Record Number: 169

Author: Green, A; Hughes, T

Year: 1999

Title: Rapid ecological assessment of the coral reef resources in the Ta'u unit of the National Park of American Samoa

Institution: National Park of American Samoa

Date: October 1999

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete in some areas; coral cover low on the reef crest with primarily encrusting and massives or squat branching forms due to extreme exposure to waves; top of drop off characterised by moderately high coral cover and species with three-dimensional growth forms; coral cover highest in areas with a gentler slope; coral cover sharply reduced near the sulfur vents in W portion of bay; fish moderately diverse with at least 119 spp; diversity higher on the shallow reef slope; no evidence of human impacts; the sulfur areas were an important cultural site and had little coral; also made recommendations

Reference Type: Report

Record Number: 170

Author: Green, A

Year: 2000

Title: A preliminary assessment of the status of the coral reefs on Upolu Island, Western Samoa

Institution: Department of Marine and Wildlife Resources

Keywords: Western Samoa

Notes: location DMWR fisheries; interim report on condition of WS reefs; describes reefs at each site; some were found to be in good condition in other places the reef appears degraded by anthropogenic processes; generally coral cover higher on north slopes than south slopes; coral cover tended to drop with depth; coral communities differed along the island reasons differ from weather to sedimentation to COT's; fish communities also varied along the island with little or no correlation to coral cover; lagoons had lower density and species richness than slopes; clams were low all around the island; COT's varied around the island;

Reference Type: Journal Article

Record Number: 171

Author: Grigg, RW

Year: 1993

Title: Precious coral fisheries of Hawaii and the U.S. Pacific Islands

Journal: Marine Fisheries Review

Volume: 55

Issue: 2

Pages: 50-60

Keywords: Hawaii, Western Pacific

Notes: location DMWR fisheries; covers the past present and future of precious coral harvesting in Hawaii and the Western Pacific; may not cover AS

Reference Type: Report

Record Number: 588

Author: Growth, Governor's Task Force on Population

Year: 2000

Title: Impacts of rapid population growth in American Samoa: A call for action

Institution: American Samoa Government

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Book

Record Number: 471
Author: Halstead, Bruce W.
Year: 1972
Title: Venomous marine animals of Samoa
Publisher: U.S. government printing office
City: American Samoa
Number of Pages: 58
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 372
Author: Hamm, David C; Quach, Michael M.C
Year: 1989
Title: Fishery Statistics Of The Western Pacific, Volume IV: Territory of American Samoa (1987), Commonwealth of the Northern Marianan Islands (1987), Territory of Guam (1987), State of Hawaii (1987)
Institution: Southwest Fisheries Center Honolulu Laboratory, National Marine Fisheries Service, NOAA
Type of Work: Administrative Report
Report Number: H-89-1
Keywords: Fishery Statistics, Western Pacific; American Samoa
Notes: location DMWR fisheries, DMWR library;

Reference Type: Report
Record Number: 483
Author: Hamm, David C; Quach, Michael M.C; Aitaoto, Fini
Year: 1989
Title: Review of the 1988 bottomfish fisheries of American Samoa, Guam, and the commonwealth of the Northern Mariana islands
Institution: Southwest fisheries center
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 484
Author: Hamm, David C; Quach, Michael M.C; Tokunaga, Reese; Aitaoto, Fini; Davis, Gerald W; Donaldson, Terry J
Year: 1989
Title: Review of the 1988 pelagic fisheries of American Samoa, Guam, and the commonwealth of the Northern Mariana Islands
Institution: Southwest Fisheries Center
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 373
Author: Hamm, David C; Quach, Michael M.C; Timme, Leslie K
Year: 1991

Title: Fishery Statistics Of The Western Pacific Volume VI: Territory of American Samoa (1989), Commonwealth of the Northern Mariana Islands (1989), Territory of Guam (1989), State of Hawaii (1989)

Institution: Southwest Fisheries Science Center, National Marine Fisheries, NOAA

Type of Work: Administrative Report

Report Number: H-91-01

Keywords: Fishery Statistics; American Samoa

Notes: location DMWR fisheries;

Reference Type: Book

Record Number: 469

Author: Hamm, David C.; Quach, Michael M.C.; Antonio, Robert S.; Czyz, John J.

Year: 1991

Title: Fishery statistics of the Western Pacific, Volume V/Territory of American Samoa (1988), Commonwealth of the Northern Mariana Islands(1988), Territory of Guam (1988), State of Hawaii (1988)

Publisher: Southwest Fisheries Center Honolulu Laboratory

City: Honolulu, Hawaii

Keywords: American Samoa, fishery statistics

Notes: location DMWR library

Reference Type: Report

Record Number: 374

Author: Hamm, David C; Antonio, Robert S; Quach, Michael M.C

Year: 1992

Title: Fishery Statistics Of The Western Pacific, Volume VII Territory of AMERICAN Samoa (1990), Commonwealth of the Northern Mariana Island (1990), Territory of Guam (1990), State of Hawaii (1990)

Institution: Honolulu Laboratory, Southwest Fisheries Science Center , National Marine Fisheries Service, NOAA

Type of Work: May 1992

Keywords: Fishery Statistics, Western Pacific; American Samoa

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 172

Author: Hamm, DC

Year: 1993

Title: The western Pacific fishery information network: A fisheries information system

Journal: Marine Fisheries Review

Volume: 55

Issue: 2

Pages: 102-108

Keywords: American Samoa

Notes: location DMWR fisheries;Westpacfin covers AS, Hawaii, Guam, and Northern Mariana Islands; network developed to share data, info, and technology to improve fisheries management; voluntary and cooperative; covers the first eleven years and outlines future goals

Reference Type: Report

Record Number: 173

Author: Hamnett, MP; Pintz, WS

Year: 1996

Title: The contribution of tuna fishing and transshipment to the economies of American Samoa, the Commonwealth of the Northern Mariana Islands, and Guam

Institution: NOAA

Report Number: SOEST 96-05

JIMAR Contribution 96-303

Keywords: American Samoa

Notes: location DMWR fisheries; covers the history of the tuna operations; new legislation and policies; vessel expenditures; assesses each industry in AS, NM, and Guam; finally it concludes, summarizes, and recommends for each area

Reference Type: Report

Record Number: 174

Author: Hamnett, MP; Anderson, CL

Year: 2000

Title: Impact of ENSO events on tuna fisheries in the U.S. affiliated Pacific Islands

Institution: University of Hawaii

Report Number: SOEST 00-03

JIMAR Contribution 00-330

Keywords: American Samoa

Notes: location DMWR fisheries; preliminary report only; consisted of interviews with people to determine if envi fluctuations affect fish stocks; it appears that it does but more scientific type testing needs to be done (phase II); Anecdotal and regional catch data indicate that the correlation does exist

Reference Type: Report

Record Number: 517

Author: Helfrich, P.; Ball, Jr., JL; Bienfang, P; Foster, M; Gallagher, B; Guinther, E; Krasnick, G; Maciolek, J; Marigos, J

Year: 1975

Title: An assessment of the expected impact of a dredging project proposed for Pala Lagoon, American Samoa

Institution: U.S. Department of Commerce

Type of Work: Sea Grant Technical Report

Report Number: 76-02

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Book Section

Record Number: 32

Author: Helm, N.

Year: 1992

Title: A Report on the Market Survey of Reef and Lagoon Fish Catches in Western Samoa

Book Title: Papers on Fisheries Science from the Pacific Islands

Editor: ??

Publisher: South Pacific Commission

City: Noumea, New Caledonia

Volume: 1

Number of Volumes: 2

Pages: 1-5

Label: B/II/3/A/2

Keywords: Western Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 569

Author: Helm, N

Year: 1992

Title: A report on the market survey of reef and lagoon fish catches in Western Samoa

Journal: Papers on Fisheries Science from the Pacific Islands

Volume: 1

Pages: 1-5

Keywords: Western Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 175

Author: Herrick, Jr., SF; Koplin, SJ

Year: 1986

Title: US tuna trade summary, 1984

Journal: Marine Fisheries Review

Volume: 48

Issue: 3

Pages: 28-37

Keywords: American Samoa

Notes: location DMWR fisheries; canneries switches operations to AS and Puerto Rico from California (Starkist and Van Camp), tuna fleet declined as did all businesses associated with the fishery on the mainland; combines As and Hawaii in figures and description

Reference Type: Journal Article

Record Number: 176

Author: Hida, TS

Year: 1971

Title: Surface tuna-school fishing & baiting around Samoa Islands

Journal: Commercial Fisheries Review

Volume: 32

Issue: 12

Pages: 37-41

Keywords: Samoa

Notes: location DMWR fisheries; missions: to survey the dist and abundance of surface tuna schools, collect blood samples from skipjack and yellowfin for subpopulation studies, plankton tows for larval tuna studies, tag and release for growth and migration studies, inshore bottom fishing and miscellaneous fishing samples with ASG; only reported on the first mission; found common problems with bait but lots of tunas

Reference Type: Thesis

Record Number: 177

Author: Hill, HB

Year: 1978

Title: The use of nearshore marine life as a food resource by American Samoans

Academic Dept.: Pacific Islands Program

University: University of Hawaii

City: Honolulu, Hawaii

Pages: 171

Thesis Type: Masters Thesis

Keywords: American Samoa

Notes: location DMWR fisheries; reef zonation described and related to subsistence fishing activity; reef gleaners harvest the flat to moderately irregular areas characterized as the Porolithon ridge of the reef margin, the coralline algal flats of the outer reef and platforms of Porites Pavona and Psammacora on the mid and inner reef; divers spearfish the reef slope margin and Acropora thickets; line fishermen fish the slope and ravines from adjacent shallow areas; throw netters cast over flat areas and reef margins; gill nets and weirs are set in reef passes on outer and reef margin; relative frequency of each was assessed; relative importance of age/sex groups is discussed; relative importance of each zone is assessed and found to be uniform across the platform; along the shore and in the bay there are major differences; CPUE calculated and sensitivity of each activity to environmental variables considered; the yield per unit area was calculated; species were looked at; health of system was looked at; recommends the revitalization of traditional forms of reef conservation and preservation

Reference Type: Report

Record Number: 633

Author: Hill, CH2M

Year: 1984

Title: Oceanographic studies in support of American Samoa wastewater facilities planning

Institution: CH2M Hill

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete

Reference Type: Report

Record Number: 629

Author: Hill, CH2M

Year: 1985

Title: American Samoa Wastewater Facilities Plan

Institution: CH2M Hill

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete

Reference Type: Report

Record Number: 178

Author: HILL, CH2M

Year: 1991

Title: Final Environmental Impact Assessment for Joint Cannery Outfall Project Pago Pago Harbor American Samoa

Institution: StarKist Samoa, Inc.
Samoa Packing Co.

Type of Work: Environmental Impact Assessment

Keywords: American Samoa

Notes: location DMWR fisheries; proposal for the replacement of the existing outfalls in the inner harbor with the new outfall of treated waste water closer the the harbor mouth; new pipe will create a zone of mixing and will improve compliance with water quality standards; outfall will be unburied polyethelene and submarine; it will not require dredging, trenching, or filling; also includes comments from various committees on the outfall

Reference Type: Report

Record Number: 375

Author: Hill, CH2M

Year: 1991

Title: Use Attainability And Site-Specific Criteria Analyses

Institution: Starkist Samoa, Inc., VCS Samoa Packing Co.

Date: March 15, 1991

Type of Work: Final Report

Keywords: Site-Specific, Criteria, Analyses; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 376

Author: Hill, CH2M

Year: 1991

Title: Environmental Impact Assessment

Institution: StarKist Samoa, Inc., Samoa Packing Co

Date: August 1991

Type of Work: Joint Cannery Outfall Project

Keywords: Environmental, Impact, Assessment; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 511

Author: Hill, CH2M

Year: 1991

Title: Use attainability and site-specific criteria analysis: Pago Pago Harbor, American Samoa, final report

Institution: CH2M Hill

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 631

Author: Hill, CH2M

Year: 1991

Title: Engineering and evironmental feasibility evaluation of waste disposal alternatives

Institution: CH2M Hill

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete

Reference Type: Report

Record Number: 179

Author: Hill, CH2M

Year: 1991?

Title: ?

Institution: CH2M Hill

Keywords: American Samoa

Notes: location DMWR fisheries; some pages missing; update of water quality data after 11 years; the middle harbor supports a healthy coral reef ecosystem and therefore provides baseline numerical criteria on the values that are needed to support aquatic life uses in the harbor; the corals in the inner harbor have been adversely affected by dredging and filling and due to this it is unlikely that relocation of cannery outflows will bring the inner harbor to a state of environment like the middle harbor; costs to canneries must be weighed in relation to expected benefits; seems a bit biased

Reference Type: Report

Record Number: 180

Author: Hill, CH2M

Year: 1993

Title: Joint cannery outfall coral reef survey report

Institution: CH2M Hill

Date: August 1993

Keywords: American Samoa

Notes: location DMWR fisheries; one year after the relocation and segregation of cannery outfall waste; inner harbor consists of silty muds and areas of silt covered remnant coral structures with no apparent change between 1991-93; middle harbor areas showed increased sand and silt probably due to cyclone Val in 1992 between the surveys; no observable trend in average live coral coverage and number of genera in the middle harbor from 1991 to 1993; live hard coral coverages and diversity in the middle harbor is comparable to the outer harbor reef areas; stations located near stream discharges in middle and outer harbor display effects of siltation including reduced live coral and diversity; no apparent trends in reef coral communities or effects of changes in cannery discharge are immediately obvious; this is anticipated since changes expected to be long term;

Reference Type: Report

Record Number: 626

Author: Hill, CH2M; gdc

Year: 1997

Title: Joint Cannery Ocean Dumping Studies

Institution: CH2M Hill

Date: June

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete only executive summary and tables

Reference Type: Report

Record Number: 628

Author: Hill, CH2M

Year: 1997

Title: Receiving water quality monitoring report Pago Pago Harbor, American Samoa
March 1996 sampling

Institution: CH2M Hill

Keywords: American Samoa

Notes: location DMWR fisheries; incomplete

Reference Type: Journal Article

Record Number: 181

Author: Hoffmeister, JE

Year: 1925

Title: Some corals from American Samoa and the Fiji Islands

Journal: Papers from the Department of Marine Biology of the Carnegie Institution of Washington

Volume: XXII

Pages: 85

Keywords: American Samoa

Notes: location DMWR fisheries; lists and discusses species of corals from the Samoan Archipelago and the Fiji Islands

Reference Type: Newspaper Article

Record Number: 492

Reporter: Holt, HD

Year: 1990

Title: A New South Pacific Park

The US National Park Service will soon assume stewardship of one of the world's most remarkable rain forest and coastal reef environments-on three islands of American Samoa.

Newspaper: San Francisco Examiner

City: San Francisco

Pages: 3

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 543

Author: Honda, VA; Yamasaki, GS; Ito, YR

Year: 1988

Title: American Samoa Purse Seine Fishery Sampling

Institution: Southwest fisheries Center Honolulu Laboratory National Marine Fisheries Service, NOAA

Date: October

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Conference Proceedings

Record Number: 34

Author: Horseman, N.; Mulipola, A.

Year: 1995

Title: Catch Data and Collection from Market Surveys in Western Samoa

Conference Name: South Pacific Commission and Forum Fisheries Agency Workshop on the Management of South Pacific Inshore Fisheries

Editor: Dalzell, P. ; Adams, T.J.H.

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Volume: 2

Number of Volumes: 2

Pages: 447-457

Keywords: Western Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 182
Author: Hosch, G
Year: 2000
Title: The use of students in surveying subsistence fisheries - A Pacific Island case study
Institution: FAO
Report Number: FAO Fisheries Circular no. 962
Keywords: American Samoa
Notes: location DMWR fisheries; incomplete; found discrepancies between the effectiveness of students

Reference Type: Report
Record Number: 35
Author: Houston, James R.
Year: 1980
Title: Tsunami Elevation Predictions for American Samoa
Institution: U.S. Army Engineer Waterways Experiment Station
Date: September 1980
Type of Work: Technical Report
Report Number: HL-80-16
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 528
Author: Houston, James R
Year: 1980
Title: Tsunami elevation predictions for American Samoa: final report
Institution: US Army Engineer Waterways Experiment Station
Keywords: American Samoa
Notes: location DMWR

Reference Type: Report
Record Number: 183
Author: Hunter, CL; Friedlander, A; Magruder, WH; Meier, KZ
Year: 1993
Title: Ofu reef survey baseline assessment and recommendations for long-term monitoring of the proposed national park, Ofu, American Samoa
Institution: National Park Service
Type of Work: University of Hawaii Sea Grant Extension Service
Keywords: American Samoa

Notes: location DMWR fisheries; baseline survey of area proposed for Ofu national park; looked at coral diversity and abundance, substrate, and macro-inverts via transect and video work; established permanent monitoring sites; saw few macro-inverts; found pretty high coral cover and diversity and relatively low algal cover; looked more closely at algae; found more red seaweed and primarily smaller and inconspicuous; lots of crustose algae (v. important for structure); evidence for widespread grazing; also looked at fish; found high diversity; mean length of fish varied among sites; rated relative abundances; also discussed all sections in general and made recommendations for management options

Reference Type: Report

Record Number: 184

Author: Hunter, CL

Year: 1995

Title: Review of the status of coral reefs around American Flag Pacific Islands and assessment of need, value, and feasibility of establishing a coral reef fishery management plan for the Western Pacific Region

Institution: Western Pacific Regional Fishery Management Council

Date: 13 March 1995

Keywords: American Samoa

Notes: location DMWR fisheries; covers all islands including Hawaii, Marianas, and AS; major area under the jurisdiction of WPRFMC; most resource use limited to areas close to shore and population centers; general condition of reefs varies from poor to excellent; precious coral, lobster, bottom fish and pelagic fisheries are currently managed; potential uses not currently managed include the collection of live corals and "live rock" for aquarium trade; reef resources in most areas are not adequately mapped or inventoried and there is a great need for baseline info for conservation and management;

Reference Type: Report

Record Number: 530

Author: Inc., Environmental Consultants

Year: 1977

Title: Marine reconnaissance surveys for the Coconut Point Shoreline Erosion Control Project : Nu'uuli, American Samoa

Institution: Environmental Consultants, Inc.

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 632

Author: International, Hydro Resources

Year: 1989

Title: A waste load allocation study for Pago Pago Harbor, American Samoa

Institution: Hydro Resources International

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 185

Author: International, Envirosearch

Year: 1994

Title: Human Health Risk Assessment for Consumption of Fish and Shellfish Contaminated with Heavy Metals and Organochlorine Compounds in American Samoa

Institution: Envirosearch International

Date: February 1994

Keywords: American Samoa

Notes: location DMWR fisheries; large differences were seen in concentrations of metals, organochlorines, pesticides, and Aroclor 1260 (a PCB) among the three sites; fish liver accumulated arsenic, copper, zinc, selenium, and OC compounds compared to fish muscle; shellfish livers accumulated copper, selenium, zinc, and OC compounds; arsenic, copper, and zinc levels in shellfish muscle were higher than levels measured in fish muscle; significant OC pesticide and Aroclor 1260 levels were found only in fish collected from the inner harbor; fish and/or shellfish contaminated with lead from inner harbor, Utulei, Matu'u, Laulii, and Fagaitua Bay pose a risk to kids; soldierfish hazard indices exceed the allowable for arsenic if kids eat more than one meal a week; in adults and children consuming one meal of shellfish per week, the indices exceed allowable for arsenic; cancer risks for arsenic are great for people eating one meal or more of fish or shellfish a week; Poloa, Inner Harbor, Faga'alu, Utulei, Anasosopo, Leone, Nu'uuli, and Fagaitua have fish that exceed allowable mercury levels (particularly soldierfish, jack, groupers, and crabs); cancer risk was high for people eating more than one fish meal per week from the inner harbor due to Aroclor 1260; health risks were found from different compounds at all twelve sites; fish and shellfish from five sites contained lead levels high enough to potentially cause serious health effects in children; there was a risk from consuming as little as one meal of shellfish per week due to elevated arsenic; recommended health advisory warnings and continued testing

Reference Type: Report

Record Number: 186

Author: Iose, P

Title: Developing coastal resource awareness materials for American Samoa

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report Series no. 76

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 187

Author: Iose, PK; McConnaughey, J

Year: 1993

Title: Fishery resources in Pala Lagoon

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report Series

Keywords: American Samoa

Notes: location DMWR fisheries; loss of mangrove wetland, description of site, no ageing of fish but other stuff done, did water quality, bacterial count, and toxicity collection, only netted which may have excluded some things, looked at composition of fish and inverts, compared regions in the lagoon, looked at catch over day, looked at catch by season, introduces results in discussion (very disjointed and confused), seems as though some things may not be fit to eat from the lagoon, no discussion of inverts, different spp seem to utilize lagoon for different reasons, appendices are results from metal and toxicity screens and recommendations for the lagoon

Reference Type: Report
Record Number: 476
Author: Itano, D
Title: The palolo of Samoa
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 481
Author: Itano, D
Title: Illegal fishing practices in Samoa
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 188
Author: Itano, D
Year: 1987
Title: Ta'u Island Coral Reef Assessment
Institution: Department of Marine and Wildlife Resources
Type of Work: Interoffice memo
Report Number: DMWR Report Series
Keywords: American Samoa
Notes: location DMWR fisheries; memo, assessed the effect of Hurricane Tusi on coral reefs, found little damage since Ta'u seemed to lack the most susceptible forms of coral as opposed to other Manua islands, also found low fish species diversity compared to other Manua islands, most serious threat to coral was found to be sedimentation from erosion runoff,

Reference Type: Report
Record Number: 189
Author: Itano, D; Buckley, T
Year: 1988
Title: Observations of the mass spawning of corals and palolo (*Eunice viridis*) in American Samoa
Institution: Department of Marine and Wildlife Resources
Report Number: DMWR Biological Report Series no 11
Keywords: American Samoa
Notes: location DMWR fisheries; coral mass spawning occurred at different times depending on the species but around full moon in Sept, Oct or Nov, palolo rises one week after the full moon in either Oct or Nov in the early morning hours, *Bohadsia argus* (sea cucumber) also spawned a few days after the full moon at one site, bristle worms were seen in spawning condition in several sites, Chaetognaths Squirrelfish and cardinalfish seemed to be feeding on either coral or palolo spawn,

Reference Type: Report
Record Number: 190
Author: Itano, D; Buckley, T
Year: 1988

Title: The coral reefs of the Manu'a Islands, American Samoa

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report series no. 12

Keywords: American Samoa

Notes: location DMWR fisheries; Draft?, extensive description of the coral reefs as identified by manta tows all around the Manu'a Islands, fish surveys just kind of tossed in anywhere, good overview of what to expect (sort of) when you get there,

Reference Type: Conference Proceedings

Record Number: 191

Author: Itano, D

Year: 1988

Title: American Samoa Bottomfish Assessment Program

Conference Name: Workshop on Pacific Inshore Fishery Resources

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Pages: 8pp

Keywords: American Samoa

Notes: location DMWR fisheries; purpose to assess the status of commercially important bottomfish stocks and to refine MSY of deepwater snappers and groupers for AS; also looks to gather basic biological data of selected bottomfish species;

Reference Type: Conference Proceedings

Record Number: 192

Author: Itano, D

Year: 1988

Title: Country Statement and Research Needs American Samoa

Conference Name: Workshop on Pacific Inshore Fishery Resources

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Pages: 2

Keywords: American Samoa

Notes: location DMWR fisheries; overview

Reference Type: Conference Proceedings

Record Number: 193

Author: Itano, D

Year: 1988

Title: American Samoa: Status of Fishery Regulations

Conference Name: Workshop on Pacific Inshore Fishery Resources

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Pages: 2

Keywords: American Samoa

Notes: location DMWR fisheries; overview; future developments

Reference Type: Report

Record Number: 378

Author: Itano, David; Buckley, Troy; Aitaoto, Fini

Year: 1988

Title: Federal Aid In Sport Fish Restoration Act

Institution: American Samoa Fisheries Investigations
Keywords: Fisheries investigations; American Samoa
Notes: location DMWR fisheries;

Reference Type: Report
Record Number: 480
Author: Itano, David; Buckley, Troy
Year: 1988
Title: Tridacna derasa introduction in American Samoa
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 513
Author: Itano, D.; Buckley, T
Year: 1988
Title: Manu'a Islands Trip Report May 11-18, 1988
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 573
Author: Itano, D; Buckley, T
Year: 1988
Title: Report on the Fish Aggregation Device (FAD) program in American Samoa
Institution: DMWR
Date: 1979 - November 1987
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Conference Proceedings
Record Number: 574
Author: Itano, D
Year: 1988
Title: American Samoa Status of Fishery Regulations
Conference Name: Workshop on Pacific Inshore Fishery Resources
Publisher: South Pacific Commision
Conference Location: Noumea, New Caledonia
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 194
Author: Itano, DG
Year: 1991
Title: A review of the development of bottomfish fisheries in American Samoa
Institution: South Pacific Commision
Report Number: DMWR Report Series 26
Keywords: American Samoa

Notes: location DMWR fisheries; covers the bottomfishery from start to bust, characterized by boom when gov't helps then busts as areas overfished (very little good areas to fish for them), recommendations for future

Reference Type: Report

Record Number: 196

Author: Itano, DG; Iversen, RTB; Shomura, RS

Year: 1993

Title: A 5-year research strategy for studies of pelagic resources by the Department of Marine and Wildlife Resources, American Samoa Government, for the economic development of American Samoa's fishery resources in waters of the 200 mile exclusive economic zone around the territory of American Samoa

Institution: Pacific Fisheries Consultants

Type of Work: DMWR Biological Report Series

Keywords: American Samoa

Notes: location DMWR fisheries; draft only, some general for AS, most info very general to area and not specific to AS or just general, found pole and line to be insupportable due to lack of bait and market, low effort of longline, some purse seining in some years in some parts of EEZ, fishing effort very low for all gear types, pretty good overview of fishery in history, lack of infrastructure but big market now filled by fish from Tonga and WS, no seasonality in fish availability, little info available, appendix with atule, good annotated bibliography

Reference Type: Report

Record Number: 382

Author: Ito, Russell Y; Yamasaki, Gordon S

Year: 1988

Title: Status Of The AMERICAN Samoa Foreign Longline Tuna Fishery, 1982-86

Institution: Southwest Fisheries Center, National Marine Fisheries Service, Honolulu Laboratory, National Marine Fisheries Service, NOAA

Date: October 1988

Type of Work: Administrative Report

Report Number: H-88-19

Keywords: Status, Longline, Tuna, Fishery, American Samoa

Notes: location DMWR fisheries;

Reference Type: Conference Proceedings

Record Number: 197

Author: Ito, M

Year: 1995

Title: An Overview of Palinurid Lobster Culture and Prospect of Aquaculture Development in the South Pacific Region

Conference Name: Present and Future of Aquaculture Research and Development in the Pacific Island Countries

Publisher: Ministry of Fisheries

Conference Location: Tonga

Pages: 323-337

Keywords: Samoa

Notes: location DMWR fisheries; one of most important fisheries in Oceania; aquaculture development needs help in all stages of development; no country has yet managed to carry out full scale aquaculture of spiny's; overview of present situation and future prospect of development in South Pacific

Reference Type: Book

Record Number: 657

Author: IUCN

Year: 1985

Title: Coral reefs Pacific Ocean Part 1: American Samoa to HongKong

Publisher: IUCN Conservation Monitoring Centre

Volume: 1

Number of Volumes: 2

Number of Pages: 217

Keywords: American Samoa

Notes: en route Vanuatu

Reference Type: Book

Record Number: 658

Author: IUCN

Year: 1985

Title: Coral reefs Pacific Ocean Part 2: Japan to Western Samoa.

Publisher: IUCN Conservation Monitoring Centre

Volume: 2

Number of Volumes: 2

Number of Pages: 207

Keywords: Western Samoa

Notes: en route Vanuatu

Reference Type: Report

Record Number: 198

Author: Johannes, RE

Year: 1982

Title: Reef and Lagoon Resource Management in Western Samoa

Institution: CSIRO

Type of Work: South Pacific Regional Environment Programme

Keywords: Western Samoa

Notes: location DMWR fisheries; fisheries overview; problems; supplies; parks and reserves; traditional rights; education;

Reference Type: Book

Record Number: 200

Author: Johannes, RE

Year: 1986

Title: A review of information on the subsistence use of green and hawksbill sea turtles on islands under United States jurisdiction in the western Pacific Ocean

Publisher: National Marine Fisheries Service, Southwest Region

City: Terminal Island, California

Number of Pages: 41

Keywords: American Samoa

Notes: location DMWR fisheries; includes Micronesia, Hawaii, and American Samoa; looks at green and hawksbill; important traditionally but what level is sustainable in light of large decreases in population size; outlines traditional uses in the Pacific to help policy makers;

Reference Type: Journal Article

Record Number: 509

Author: Jordan, David Starr; Seale, A

Year: 1905

Title: The fishes of Samoa

Journal: Bulletin of the Bureau of Fisheries

Volume: 25

Pages: 439-455

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 384

Author: Kasaoka, Laurel D

Year: 1989

Title: Summary of Small Boat Economic Surveys from American Samoa, Guam, and the Northern Mariana Islands

Institution: Western Pacific Regional Fishery Management Council

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 501

Author: Kasaoka, Laurel D.

Year: 1989

Title: Draft Summary of Small Boat Economic Surveys from American Samoa, Guam and Northern Mariana Islands

Institution: Western Pacific Regional Fishery Management Council

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Journal Article

Record Number: 201

Author: Kay, AE

Year: 1992

Title: Marine molluscan species diversity on isolated oceanic islands: Hawai'i, Easter Island, and Galapagos

Journal: Pacific Science

Volume: 46

Pages: 427-428

Keywords: Samoa

Notes: location DMWR fisheries; abstract only; small mention of Samoan in introduction as an example; two rules on isolated islands: major groups of plants and animals are absent and there are fewer number of species; may be due to: oceanic setting of isolated islands which restricts but does not prevent gene flow, changes in oceanographic and/or climatological conditions that may result in sporadic gene flow possibly leading to extinction and/or re-immigration, and island topography where organisms arrive but can't settle/reproduce

Reference Type: Conference Proceedings

Record Number: 202

Author: Kearney, RE; Hallier, JP

Year: 1978

Title: Interim report of the activities of the skipjack survey and assessment programme in the waters of American Samoa

Conference Name: Skipjack Survey and Assessment Programme

Editor: Commission, South Pacific

Publisher: South Pacific Commission

Conference Location: Noumea, New Calidonia

Volume: no. 9

Pages: 9

Keywords: American Samoa

Notes: location DMWR fisheries; most cruise reports unpublished; however skipjack and yellowfin seem common in AS waters but live bait resources are low; cultured bait was the only reliable source; surveyed all coastal areas of Tutuila and went to one bank; fish were tagged, bait fish was looked for as well as raised, and fish spotting was performed; poor fishing during survey due to low baitfish numbers, rough seas, and reluctance of fish to bite; very low fish response to bait; very low number tagged and they were small; very few conclusions due to low numbers and low effort (wrong season, bad timing, bad fish)

Reference Type: Report

Record Number: 630

Author: Kennedy; Jenks; Chilton

Year: 1986

Title: Soil Erosion Model for Pago Pago Harbor, Tutuila, American Samoa

Institution: Economic Development and Planning Office and Environmental Quality Commission, American Samoa Government

Date: November

Keywords: American Samoa

Notes: location DMWR fisheries, incomplete

Reference Type: Report

Record Number: 204

Author: Kikkawa, BS

Year: 1996

Title: WPacFIN Island Data Assessment (WIDA) of American Samoa Small Boat-Based Fishery Survey, 1985-93 and Shoreline Fishery Survey, 1990-93

Institution: Southwest Fisheries Science Center

Date: October 1996

Type of Work: Administrative Report

Report Number: H-96-09

Keywords: American Samoa

Notes: location DMWR fisheries; through the years the number of daily boat-based fishing trips declined; gives catch rates for each type of boat based fishing and mean for all methods combined; also determined the number of days required to make accurate estimates; shallow bottomfishes were numerically dominant; estimated maximum sustainable yield which was lower than the catch at the peak of bottomfishing; for the shoreline fishery estimated mean catch rate and the number of days needed to accurately estimate this rate;

Reference Type: Report

Record Number: 205

Author: King, MG

Year: 1988

Title: Fisheries research and stock assessment in Western Samoa

Institution: FAO

Type of Work: FAO Terminal Report

Report Number: TCP/SAM/8852

Keywords: Western Samoa

Notes: location DMWR fisheries; splits fisheries into offshore pelagic, offshore deepwater, and inshore fisheries; makes recommendations based on each fishery

Reference Type: Report

Record Number: 206

Author: King, M; Bell, L; Sua, T; Brotman, M

Year: 1990

Title: An assessment of deepwater snapper stocks (Lutjanidae Family) in Western Samoa

Institution: Department of Agriculture, Forests, and Fisheries, Western Samoa

Type of Work: Technical Cooperation Programme Report

Keywords: Western Samoa

Notes: location DMWR fisheries; four main species account for 87% of the 75.4 tonnes of snapper caught annually in WS; biologically slow growing with long life-spans and limited habitats; annual yield of about 88 tonnes is suggested, which includes 8.3 tonnes from the banks; optimal fishing effort shown to be approx. 14 vessels

Reference Type: Report

Record Number: 208

Author: King, M; Bell, L

Year: 1990

Title: The fishery for the spiny lobster, *Panulirus pencillatus* in Western Samoa

Report Number: TCP/SAM/8852 (A)

Keywords: Western Samoa

Notes: location DMWR fisheries; covers biology of lobster; yield could be increased by 5 - 8% by delaying age of first capture by one year; management options are being discussed

Reference Type: Report

Record Number: 210

Author: King, M; Faasili, U

Year: 1997

Title: Village fisheries management and community-owned Marine Protected Areas

Institution: Fisheries Division

Keywords: Western Samoa

Notes: location DMWR fisheries; a number of villages in WS have fisheries management plans and some have MPAs; villagers live in discrete communities with a high level of marine awareness which provides a unique basis for self management of marine resources; community based fisheries extension program encouraged for each village to define key problems, discuss cause, propose solutions, and take action; various village groups provide info; process culminates in a community owned Village Fisheries Management Plan; range from enforcing laws banning destructive methods to protecting critical habitats; process in 57 villages with 40 coming up with plans, 32 have chosen to put MPA's into place which could be the first community owned in Pacific

Reference Type: Report

Record Number: 648

Author: King, Michael; Faasili, Ueta

Year: 1998

Title: A network of small, community-owned village fish reserves in Samoa

Institution: IUCN

Keywords: Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 38

Author: King, Michael; Mulipola, Atonio; Passfield, Kelvin; Watt, Peter

Year: 1999

Title: Mangement and economic considerations for the domestic, tuna longline fishery in Samoa

Institution: Ministry of Agriculture, Forests, Fisheries & Meteorology, Fisheries Division

Date: December 18, 1999

Keywords: Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 387

Author: Kinsolving, Alan; Craig, Peter

Year: 1994

Title: Longline Fishery Results in American Samoa, 1992-1994

Institution: DMWR

Keywords: American Samoa

Abstract: Many tropical islands in the south pacific Ocean are confronted by rapidly growing human populations but have few economic resources that their residents can utilize. Fisheries, from traditional subsistence fishing in times past to today's more modern boat-based fisheries, have always been an important component of island economies (Doulman and Kearney 1991).

A review of American Samoa's current fisheries was conducted recently by Craig et al. (1994). They suggest that the least developed fishery is that for pelagic fishes (tuna, marlin, swordfish, etc.) in the offshore waters of the Territory. At first glance, that may seem at odds with the presence of two tuna canneries in American Samoa that annually process about 200,000 short tons of tuna. However, virtually all of these tuna are caught in distant waters far beyond the 200-mile EEZ of American Samoa. The status of pelagic fish stocks within our EEZ is not well known. Previous commercial tuna catches in and near our EEZ have been summarized by Itano et al. (1993).

The primary objective of the present project was to collect information needed for informed management of a domestic longline fishery initiating a pilot survey of pelagic resources in American Samoa's EEZ. As part of this project, the departmental vessel was outfitted with longline gear currently used in Hawaii's longline fishery, the vessel's crew received training in using this gear, an ice machine was installed to provide ice, and fishing trials were conducted at varied locations in the EEZ.

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 388

Author: Kinsolving, Alan

Year: 1996

Title: A Preliminary Analysis Of The Quantity Of "Leakage" Fish Entering American Samoa During 1995 And Their Economic Impact

Keywords: Fish leakage; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 472

Author: Kitalong, Ann

Year: 1988

Title: Zooplankton study of Pago Pago harbor Tutuila island, American Samoa

Institution: University of Hawaii; Department of Zoology

Type of Work: Final report on a consultation to the Department of Marine and Wildlife Resources American Samoa Government

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 643

Author: Klinckhamers, Pavel

Year: 1994

Title: A review of coastal processes and analysis of historical coastal change in the vicinity of Apia, Western Samoa

Institution: SOPAC

Keywords: Western Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 213

Author: Kluge, Karla

Year: 1992

Title: Seasonal abundances of zooplankton in Pala Lagoon

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series

Report Number: 36

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library; good data, interesting, could have made some really great conclusions with a little extra work especially in the benthic invertebrates

Reference Type: Report

Record Number: 389

Author: Kluge-Edmonds, Karla

Year: 1991

Title: Seasonal changes in zooplankton and larval fishes in a South Pacific embayment, Pago Pago Harbor, American Samoa

Institution: American Samoa Department of Marine and Wildlife Resources

Date: March 1991

Keywords: Seasonal Changes, Zooplankton, Larval Fishes, South Pacific, Embayment, Pago Pago Harbor, American Samoa

Notes: location DMWR fisheries;

Reference Type: Book

Record Number: 215

Author: Knudsen, PA; Kluge, KD; Volk, RD

Year: 1992

Title: American Samoa Resource Management Bibliography

Publisher: East-West Center

City: Honolulu, Hawaii

Number of Pages: 38

Keywords: American Samoa

Notes: location DMWR fisheries; terrestrial and aquatic,

Reference Type: Report

Record Number: 216

Author: Kool, KM

Year: 1997

Title: Mangrove Crabs and the Sa'anapu-Sataoa Conservation Area, Samoa

Institution: South Pacific Biodiversity Conservation Programme, SPREP

Keywords: Western Samoa

Notes: location DMWR fisheries; developed methods to enable ongoing monitoring and further surveys of mangrove crab resources; surveys of crabs at market were compared with size distribution of crabs caught in the conservation area; these findings along with interference with crab pots emphasizes the importance of cooperation with villagers if this technique is to be useful; recommends a reassessment of legal size limit of crabs for harvest;

Reference Type: Book

Record Number: 217

Author: Krauss, NLH

Year: 1974

Title: Swains Island including extracts from the diaries of Abraham Piianaia and Killarney Opiopio

Publisher: Pacific Scientific Information Center

City: Honolulu, Hawaii

Number of Pages: 57

Keywords: American Samoa

Notes: location DMWR fisheries; interesting old first hand observations of Swains in 1936

Reference Type: Report

Record Number: 391

Author: Kridler, Eugene

Year: 1971

Title: Biological Ascertainment - Rose Atoll, American Samoa

Keywords: Rose Island, American Samoa

Notes: location DMWR fisheries, DMWR library;

Reference Type: Report

Record Number: 392

Author: Laboratory, Marine

Title: Proposal for Resource Inventory and Mapping of the Fagatele Bay

Institution: Sanctuary Programs Division, Office of Ocean and Coastal Resource Management, National Oceanic and Atmospheric Administration

Keywords: Resource Inventory, Mapping, Marine Sanctuary, Fagatele Bay, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 468

Author: Lambert, James F.; Bryan, Patrick G.

Year: 1979

Title: Bait Culture and Test Fishing American Samoa 1978/Testing Topominnows (*Poecilia mexicana*) as live bait while trolling for tunas in American Samoa

Institution: Office of Marine Resources, Government of American Samoa

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Journal Article

Record Number: 393

Author: Lamberts, Austin E

Year: 1974

Title: Coral Kill and Recolonization in American Samoa

Journal: National Geographic Society

Pages: 1-10

Keywords: *Acropora*, *Montipora*, *Pocillopora*; American Samoa

Notes: location DMWR fisheries, DMWR library;

Reference Type: Journal Article

Record Number: 505

Author: Lamberts, Austin E; Garth, JS

Year: 1978

Title: Coral-crab commensalism in xanthids

Journal: Pacific Science

Volume: 31

Pages: 245-247

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Journal Article

Record Number: 218

Author: Lamberts, AE

Year: 1983

Title: An annotated check list of the corals of American Samoa

Journal: Atoll Research Bulletin

Volume: 264

Keywords: American Samoa

Notes: location DMWR fisheries; lists the 177 species known from AS at the time

Reference Type: Report

Record Number: 219

Author: Leung, P; Shang, YC; Wanitprapha, K; Tian, X

Year: 1993

Title: Production economics of Giant Clam (*Tridacna* species) culture systems in the U.S. affiliated Pacific Islands

Institution: Department of Agriculture and Resource Economics, University of Hawaii

Date: April, 1993

Report Number: Center for Tropical and Subtropical Aquaculture Publication No. 114

Keywords: American Samoa

Notes: location DMWR fisheries; compares production costs currently used or evaluated in Marshall Islands, Belau, Micronesia, and AS; AS produces a 1 yr old *T. derasa* for \$0.76 and a 2 yr old for \$3.40; second part looks at optimal harvest time for maximum economic return; harvest time varies on what you want the clam for; for shell the time is 13.2 years, for adductor muscle it is 9.2 yrs, and if all meat then 10.5 yrs, for a whole clam then 10.7 is optimal, if only meat (incl adductor) then 9 yr; if all products sold then farming generally profitable, esp if clam prices high and juvie prices low and operating costs low; if only meat sold then clam farming profitable only if production costs low and prices for meat are high; marketing of shell important

Reference Type: Report

Record Number: 220

Author: Lightfoot, C

Title: Western Samoa Alia Albacore Fishery

Keywords: Western Samoa

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 221

Author: Littler, MM; Littler, DS

Year: 1998

Title: An undescribed fungal pathogen of reef-forming crustose coralline algae discovered in American Samoa

Journal: Coral Reefs

Volume: 17

Pages: 144

Keywords: American Samoa

Notes: location DMWR fisheries; describes previously undescribed fungal pathogen in crustose coralline algae; does not resemble other marine fungal pathogens or black band; non-glossy, blue-black, matte texture, and striated growth bands so similar to terrestrial lichens; found throughout all shallow reefs from protected to high energy; co-occured with CLOD and also attacked the algal ridge former *Porolithon onkodes*; was more abundant than CLOD; spreads outwardly by surface hyphal elongation with the host dying once overgrown; no reports exist of it from beyond AS;

Reference Type: Report

Record Number: 223

Author: Lovell, ER; Toloa, F

Year: 1994

Title: Palolo Deep National Marine Reserve: A survey, inventory and information report

Institution: SPREP

Date: September 1994

Report Number: SPREP Report and Study Series no. 84

Keywords: Western Samoa

Notes: location DMWR fisheries; introduces and describes the marine reserve; discusses environmental impacts; recommends how to improve and alleviate problems in the reserve

Reference Type: Personal Communication

Record Number: 607

Author: Malae, AU

Year: 1986

Title: Malaloa Master Plan: Phase II Downtown Redevelopment

Date: July 22

Type: letter/report

Keywords: Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 494

Author: Maragos, J.E.

Year: 1985

Title: Coastal resource development and management in the US pacific islands

Institution: US Congress Office of Technology Assessment

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Conference Proceedings

Record Number: 624

Author: Maragos, JK; Elliot, ME

Year: 1985

Title: Coastal resource inventories in Hawaii, Samoa, and Micronesia

Conference Name: Proceedings of the Fifth International Coral Reef Congress

Conference Location: Tahiti

Volume: 5

Pages: 577-582

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 620

Author: Maragos, JA

Year: 1993

Title: Impact of coastal construction on coral reefs in the U.S.-affiliated Pacific islands

Journal: Coastal Management

Volume: 21

Pages: 235-269

Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report

Record Number: 396

Author: Maragos, J.E; Hunter, C.L; Meier, K.Z

Year: 1994

Title: Reefs and Corals observed during the 1991-92 American Samoa Coastal Resources Inventory

Institution: Program on Environment, Department of Botany, CORIAL

Date: January 1994

Keywords: reef corals; American Samoa

Abstract: Stony corals and reefs were surveyed at 40 sites on Tutuila and Aunu'u islands and at 11 sites on Ofu and Olosega as part of the American Samoa Coastal Resources Inventory of 1991-1992. The purpose of the inventory was to obtain updated information on the status of American Samoa's reefs and corals since the 1978 Coastal Resource Inventory (Aecos and Aquatic Farms, 1980). Jim Maragos and Karen Z. Meier conducted the coral and reefs surveys on Ofu and Olosega in August, 1991. Cindy Hunter participated in the earlier phase of the April 1992 survey on Tutuila and Jim Maragos completed the Tutuila and Aunu'u surveys later in the month with about 5 survey sites of overlap between the two investigators (sites 4-8). Karin Meier accompanied Hunter and Maragos and participated throughout the entire April 1992 survey and obtained underwater video coverage at each of the 51 sites covered during the inventory. Refer to the main text and the master list of sites for the place names, survey numbers, and dates for all sites covered during the 1991-1992 Coastal Resource Inventory. Although the reefs of Ta'u island were not surveyed during the 1991-1992 Coastal Resource Inventory, Itano and Buckley (1988) conducted surveys at Ofu, Olosega, and Ta'u between 1986 and 1988.

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 400

Author: Maragos, James E Ph.D

Year: 1994

Title: Reef And coral Observations On The Impact Of The Grounding Of The Longliner Jin Shiang Fa At Rose Atoll, American Samoa

Institution: Program on Environment, U.S. Fish and Wildlife Service, Pacific Island Office

Date: April 1994

Type of Work: Review Draft

Keywords: Reef, Coral, Observations, Impact, Groundings, Longliner, Jin Shiang Fa, Rose Atoll, American Samoa

Notes: location DMWR fisheries;

Reference Type: Conference Proceedings

Record Number: 225

Author: Maragos, JE; Payri, C

Year: 1997

Title: The status of coral reef habitats in the insular south and east Pacific

Conference Name: Proceedings of the 8th International Coral Reef Symposium

Volume: 1

Pages: 307-316

Keywords: American Samoa

Notes: location DMWR fisheries; covers a huge area of the Pacific including Hawaii, Micronesia, Melanesia, and Polynesia; covers 2500 major island complexes; reef assessments have been concentrated in urban centers (ie: Hawaii, Pago Pago, etc); major stresses to the reefs are from urbanizations (sewage, dredging, filling, sediments, non-point pollutants, overfishing, construction, etc) and other stresses including dynamite fishing, ship groundings, and oil spills; there is illegal poaching of rare species and military weapons testing; also subject to natural stresses such as cyclones, coral bleaching, COT's, and ciguatera poisoning; breaks down by island

Reference Type: Report

Record Number: 401

Author: Marr, John C

Title: The Bottomfishery of American Samoa

Keywords: Bottomfish, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 226

Author: Mayor, AG

Year: 1924

Title: Some Posthumous Papers of AG Mayor Relating to His Work at Tutuila Island and Adjacent Regions

Institution: Carnegie Institution of Washington

Keywords: American Samoa

Notes: location DMWR fisheries; Includes Structure and Ecology of Samoan Reefs, Growth-rate of Samoan Corals, and Rose Atoll, American Samoa;

Reference Type: Report

Record Number: 402

Author: McConnaughey, John

Title: Giant Clam Project

Institution: American Samoa Department of Marine and Wildlife Resources

Keywords: Giant Clam, Project; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 227

Author: McConnaughey, J

Year: 1993

Title: American Samoa: analysis of the artisanal fishing fleet, 1986-1992

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Report Series

Report Number: 30

Keywords: American Samoa

Notes: location DMWR fisheries; graphs with small description

Reference Type: Report

Record Number: 228

Author: McConnaughey, J

Year: 1993

Title: American Samoa: an analysis of tournament catches

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Report Series

Report Number: 28

Keywords: American Samoa

Notes: location DMWR fisheries; , found few trends in the tournament fishery but did see decrease in size of marlin, data probably affected by targetting certain species and only the largest get recorded by fishermen in the hopes of winning, probably not a good indication of the fish stocks until really too late to do anything about it

Reference Type: Report

Record Number: 229

Author: McConnaughey, J

Year: 1993

Title: The shoreline fishery of American Samoa in FY92

Institution: Department of Marine and Wildlife Resources

Report Number: DMWR Biological Report Series no. 41

Keywords: American Samoa

Notes: location DMWR fisheries; although population increased, fishing effort decreased; found no decreases in catch due to decrease in effort ie: no decline in CPUE;;method importance fluctuated; sales declined possibly due to competition; very good outline of data limitations; no definitive statements on species composition; clams totally absent; draws no conclusions on reef fish or atule catch due to high variability, lobster catches down, octopus catches up, jacks were caught more often but at a smaller size, large brown surgeonfish numbers dropped while small brown surgeonfish numbers up probably due to fishing in different areas due to harbor closure; different conclusions than other papers looking at same fishery over same time period

Reference Type: Conference Proceedings

Record Number: 230

Author: McConnaughey, J; Sua, D

Year: 1995

Title: A Marketing Study of Giant Clams (Family Tridacnidae) in American Samoa

Conference Name: Present and Future of Aquaculture Research and Development in the Pacific Island Countries

Publisher: Ministry of Fisheries

Conference Location: Tonga

Pages: 283-292

Keywords: American Samoa

Notes: location DMWR fisheries; conducted taste test to decide species (T. derasa preferred but both good); marketing studies conducted in stores and by farmers; cultured just fine with locals; local prices and demand sufficient for a small scale industry

Reference Type: Report

Record Number: 403

Author: McConnaughey, John

Year: 1996

Title: The American Samoa Giant Clam Project

Keywords: giant clam; American Samoa

Abstract: At this time, we feel all the groundwork has been laid for the successful implementation of a small scale giant clam farming industry in American Samoa. It is now basically up to the farmers to bring the project to fruition. Will farmers have the necessary entrepreneurial attitudes to make it work? Will farmers be able to resolve the security problems inherent in farming reef areas? Answers to these questions will be seen in 1997, when clams spawned in December 1994 and now being grown up by farmers, should be coming to market. Continued support is needed to maintain the project into 1997. It would be wishful thinking to suppose that farmers would purchase \$75,000 worth of juvenile clams when they have yet to see a dime of income on the juvenile clams recently purchased in early 1996. Although our marketing efforts (juvenile clams, local meat market clams, and aquarium clams) have yielded a small amount of income which have been used to purchase some needed supplies, the project simply won't have enough larger sized clams to support itself until early in 1997, (assuming a lucrative aquarium market is found).

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 506

Author: McCoy, Patrick C

Year: 1977

Title: Cultural and marine ecology reconnaissance surveys, Auasi, Tutuila, American Samoa

Institution: Bernice P. Bishop Museum

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 404

Author: McDermond, Den; Duane, K; Grant, G

Title: Rose Atoll and American Samoa Trip Report(23 March to 31 March 1994)

Institution: U.S. Fish and Wildlife Service

Type of Work: Administrative Report

Keywords: Rose Island, Physical Damage Assessment, Terrestrial Surveys; American Samoa

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 231

Author: McDougall, I

Year: 1985

Title: Age and evolution of the volcanoes of Tutuila, American Samoa

Journal: Pacific Science

Volume: 39

Issue: 4

Pages: 311-320

Keywords: American Samoa

Notes: location DMWR fisheries; main period of volcanism occurred over a relatively short period of 0.6Ma in the Early Pleistocene; Pago was built between 1.54 and 1.28Ma; youthful Manu'a islands show a rate of migration of about 10cm/yr which are consistent with a hot spot origin for the volcanoes

Reference Type: Report

Record Number: 232

Author: McGuire, JL

Title: The American Samoa Fresh Fish Exporting Program 1982-1985

Keywords: American Samoa

Notes: location DMWR fisheries; takes each year separately and goes through the fishery statistics

Reference Type: Conference Proceedings

Record Number: 233

Author: Mead, P

Year: 1978

Title: Report on the South Pacific Commission deep sea fisheries development project in American Samoa

Conference Name: South Pacific Commission

Conference Location: Noumea, New Caledonia

Volume: 28 March - 2 June 1978

Pages: 6

Keywords: American Samoa

Notes: location DMWR fisheries; pre project, bottomfishing in AS was only by handlines around 120 m or less; main aims were to improve catch and efficiency and encourage fishing at deeper depths; WS handreels were used to handle lines with a mean catch of 4.4 kg/hr; all fishing was carried out within 15nm of Tutuila

Reference Type: Thesis

Record Number: 406

Author: Mizenko, David

Year: 1984

Title: The Biology of Western Samoan Reef-slope snapper (Pisces: Lutjanidae)

Populations of: *Lutjanus kasmira*, *Lutjanus rufolineatus*, and *Pristipomoides multidens*

University: University of Rhode Island

Pages: 64

Keywords: American Samoa

Abstract: The biology of three snapper (Lutjanidae) populations of Western Samoa were investigated through the examination of fish caught by the commercial fishery. They were found to have: 1) been demersal on the outer reef-slope at night, 2) preyed on benthic and benthopelagic organisms, 3) extended spawning seasons, 4) lunar-monthly spawning periodicities, and 5) probably pelagic eggs and larvae. *Lutjanus kasmira* and *Lutjanus rufolineatus* had different nighttime distributions on the reef-slope. The two species of *Lutjanus* differed from *Pristipomoides multidens*, in that they: 1) ate primarily benthic organisms, 2) had extended depth ranges across the reef-slope, 3) spawned during autumn and winter at about full moon, and 4) probably live inshore as juveniles; whereas *P. multidens*: 1) depends largely on benthopelagic prey, 2) was restricted to deeper reef-slope waters, 3) spawned winter through summer at about the first quarter moon, and 4) may be pelagic as a juvenile.

Notes: location DMWR fisheries;

Reference Type: Conference Proceedings

Record Number: 236

Author: Moana, A

Year: 1988

Title: Report of second visit to American Samoa
Conference Name: South Pacific Commission Deep Sea Fisheries Development Project
Publisher: South Pacific Commission
Conference Location: Noumea, New Caledonia
Volume: 3 February 1988 - 13 June 1988
Pages: 33
Keywords: American Samoa
Notes: location DMWR fisheries; main objective to conduct trials and demonstrations of vertical longlining around FADs, targetting deep swimming tuna to relieve pressure on bottom-fishery; 14 trips produced a total weight of 664.6 kg in 27 fish; technique demonstrated to DMWR staff and private fishers; most were albacore relatively rare inshore; success due to presence of baitfish around FADs; ranged from Tutuila and offshore banks to Manu'a group and Rose Atoll; included bait fish collection and care of fish on board; in all 23 trips done for a catch of 892 fish weighing a total of 2,166.2 kg

Reference Type: Report
Record Number: 237
Author: Moffitt, RB
Year: 1989
Title: Analysis of the depletion of bottom fishes at the 2% bank, American Samoa
Institution: Southwest Fisheries Center
Type of Work: Manuscript Report File
Report Number: MRF-002-89H
Keywords: American Samoa
Notes: location DMWR fisheries; shallow bottom fishery showed no signs of depletion but deep snapper fishery at 2 % banks showed drastic depletion; highly susceptible to overfishing due to biology of species fished; does offer opportunity to see recovery of stocks that are now depleted

Reference Type: Book
Record Number: 238
Author: Morton, J; Richards, M; Mildner, S; Bell, L
Year: 1993
Title: The Shore Ecology of Upolu Western Samoa
Publisher: University of Auckland
City: Auckland, NZ
Number of Pages: 167
Edition: 2nd edition
Keywords: Western Samoa
Notes: location DMWR fisheries; text book covering the shore line ecology of WS

Reference Type: Report
Record Number: 43
Author: Mulipola, Atonio
Year: 1993
Title: The 1992 report on the inshore fisheries commercial landings at the Apia fish market
Institution: Fisheries Division
Date: 1993
Keywords: mullet; Western Samoa
Notes: location DMWR fisheries

Reference Type: Report

Record Number: 239

Author: Mulipola, AP

Year: 1995

Title: Deep-water snappers and groupers (bottomfish)-(la alalo/la o le loloto) resources in Western Samoa

Institution: Fisheries Division, Department of Agriculture, Forestry, Fisheries and Meteorology

Date: 30 January, 1995

Keywords: Western Samoa

Notes: location DMWR fisheries; looks at main species from WS; also compares to other regions of the world; looks at distribution of important species throughout region and results of fishing trials; gives numbers by species per area; length and weight comparisons of exploited and unexploited areas; biology and ecology of key species; catch summaries and an overview of the fishery including stock status; recommendations made for legislation

Reference Type: Conference Proceedings

Record Number: 240

Author: Mulipola, A; Ropeti, E; Iosefa, S

Year: 1995

Title: Fisheries management policies, laws, regulations, constraints and recommendations in Western Samoa

Conference Name: Joint FFA/SPC Workshop on the Management of South Pacific Inshore Fisheries

Publisher: SPC

Conference Location: Noumea, New Caledonia

Volume: 1

Pages: 180-184

Keywords: Western Samoa

Notes: location DMWR fisheries; follows regulations from traditional to present; covers institutions and legislation; talks of constraints and makes recommendations

Reference Type: Report

Record Number: 650

Author: Mulipola, A

Year: 1997

Title: Status of marine environment and fisheries in Samoa

Institution: Ministry of Agriculture, Forests, Fisheries and Meteorology

Keywords: Samoa

Notes: en route SLIC

Reference Type: Conference Proceedings

Record Number: 241

Author: Mulipola, AP

Year: 1998

Title: Report on Samoa's longline fishery

Conference Name: Workshop on Precautionary Limit Reference Points for Highly Migratory Stock Western and Central Pacific

Conference Location: Hawaii

Pages: 8

Keywords: Western Samoa

Notes: location DMWR fisheries; history of fishery; covers catch, fleet; constraints are discussed along with future prospects and developments;

Reference Type: Conference Proceedings

Record Number: 578

Author: Mulipola, AP

Year: 2000

Title: Status of the commercial tuna fishing in Samoa

Conference Name: 13th Meeting of the Standing Committee on Tuna and Billfish

Editor: SCTB

Publisher: SCTB

Conference Location: Noumea, New Caledonia

Pages: 9

Keywords: Western Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 408

Author: Mundy, Bruce C

Year: 1990

Title: Identification of fish larvae from plankton samples collected by the American Samoa Department of Marine and Wildlife Resources

Institution: National Marine Fisheries Service

Keywords: fish larvae, plankton; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 242

Author: Mundy, C; Green, A

Year: 1996

Title: Spawning observations of corals and other invertebrates in American Samoa

Institution: Department of Marine and Wildlife Resources

Keywords: American Samoa

Notes: location DMWR fisheries; seven coral species observed spawning from Nov 9-12; discusses each species separately; also discusses one species of sea cucumber (*Stichopus chloronotus*) and palolo; discusses the importance of knowing the timing of such events

Reference Type: Report

Record Number: 243

Author: Mundy, C

Year: 1996

Title: A quantitative survey of the corals of American Samoa

Institution: Department of Marine and Wildlife Resources

Date: January 1996

Keywords: American Samoa

Notes: location DMWR fisheries; found and recorded 150 species of scleractinian coral including 6 new species for the area; corals from Montipora and Porites were the most numerically abundant and represented the highest proportion of coral cover; majority of colonies were small with a diameter of less than 20cm; coral communities in the three different habitats were distinct being dominated by different suites of species with different densities and cover; communities around Manu'a islands were more diverse; harbor sites were depauperate but presence of small colonies suggests recruitment; suggest reefs in a recovery phase following a combination of natural and anthropogenic factors; recommends monitoring continue on a regular basis and be aimed at recording changes in coral communities;

Reference Type: Journal Article

Record Number: 496

Author: Munro, J.L

Year: 1984

Title: Yields from coral reef fisheries

Journal: Fishbyte

Volume: 2

Pages: 13-15

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 414

Author: Nations, Food and Agriculture Organization of the United

Year: 1991

Title: Fishery Resources Assessment For Management

Institution: Government of Western Samoa

Keywords: fishery resources, assessments; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 529

Author: Noda, Edward K

Year: 1987

Title: Final environmental assessment for proposed Leone harbor, Tutuila, American Samoa

Institution: Edward K. Noda and Associates

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 558

Author: Norris, JE

Year: 1988

Title: Final report on consultation to the Department of Marine and Wildlife Resources for a study of the trophics of pelagic fish resources in American Samoa

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 602
Author: NPS; ASG
Year: 1987
Title: National Park Feasibility Study
Institution: National Park Service and American Samoa Government
Date: August
Type of Work: draft
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 244
Author: NPS
Year: 1997
Title: General Management Plan/Environmental Impact Statement National Park of American Samoa
Institution: United States Department of the Interior/National Park Service
Date: October 1997
Keywords: American Samoa
Notes: location DMWR fisheries; proposes four alternatives; Alternative A: contains proposals for the development of major facilities and access for visitors, no roads built within the park and all buildings will be just outside the park, NPS in control of park, traditional activities will continue within the park, calls for development of educational program, no significant environmental impacts were connected with this action, this is the general management plan for the national park; incomplete with pages missing

Reference Type: Report
Record Number: 245
Author: NPSAS
Title: The National Park of American Samoa "America's newest and least known national park
Institution: National Park Service
Keywords: American Samoa
Notes: location DMWR fisheries; describes the parks on AS both in general and specifically to each unit; parks unusual in that they are leased from villages and are communally owned and controlled; explains the ways of Samoa, how to get there, and some customs; like a visitors guide to the parks

Reference Type: Report
Record Number: 415
Author: Office, Development Planning; Program, American Samoa Coastal Management
Year: 1988
Title: Land And Water Resoruce Management In American Samoa - the Project Notification And Review System (PNRS) A User's Guide
Institution: Development Planning Office, American Samoa Coastal Management Program
Date: October 1988
Keywords: American Samoa
Abstract: PNRS
Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 473

Author: office, U.S. department of interior fish and wildlife service Pacific Islands

Year: 1990

Title: Draft fish and wildlife coordination act report shoreline protection projects, American Samoa Nua, Fagamutu, and Amaluia

Institution: U.S. department of interior

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 477

Author: office, U.S. department of interior fish and wildlife service Pacific islands; U.S. army corps of engineers Pacific Ocean Division Fort Shafter, Hawaii

Year: 1990

Title: Draft fish and wildlife coordination act report shoreline protection projects, American Samoa Lauli'ituai reach A, Lauli'ituai reach B, and Aumi

Institution: U.S. department of interior fish and wildlife service Pacific islands office

U.S. army corps of engineers Pacific Ocean Division Fort Shafter, Hawaii

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Journal Article

Record Number: 246

Author: Otsu, T; Sumida, RF

Year: 1968

Title: Distribution, apparent abundance, and size composition of albacore (*Thunnus alalunga*) taken in the longline fishery based in American Samoa, 1954-65

Journal: Fishery Bulletin

Volume: 67

Issue: 1

Pages: 47-69

Keywords: American Samoa

Notes: location DMWR fisheries; history of tuna industry in AS; albacore selectively fished therefore only complete information for them; annual landings in proportion to amount of effort; CPUE showed little change in numbers but big decrease in terms of weight because of decrease in size of fish; causes include fishing ground selection, decrease of older larger fish in stock, entry of an abundant year class, and change in sex ratio of albacore taken

Reference Type: Report

Record Number: 417

Author: Page, Mike

Year: 1997

Title: Reef Fish Ecology

Keywords: reef species; American Samoa

Abstract: American Samoan tropical reef assemblages are characterized by a rich and diverse array of fish species (Wass, 1984, Ponwith, 1992). These inshore reef fish resources have always been an integral component of Samoan culture and economy. For example, in 1991 the combined fisheries annual harvest of 578,000 lb was valued at \$993,000 (Craig et al., 1993). Inshore reef fish constituted 80% of the value of this resource. The majority of reef fish were caught by local residents fishing on the coral reefs around their villages. As a result of a rapidly growing population, fisheries in American Samoa are under increasing pressure from over exploitation. Over four years the total estimated pounds of inshore reef fish landed decreased from 695,800 lb in 1991 to 191,600 lb in 1994, and there was a decline in total CPUE (Saucerman, 1995). In 1994, a significant proportion of the total inshore fish catch was caught during the night, and sold in small stores around the island. Recent evidence supports the idea that the number of fish caught from within American Samoan waters by night-time spear fishermen is increasing, and also that the number night-time spear fisherment has increased over recent years. Parrotfish are the second most abundant family the inshore reef fish catches (Saucerman, 1995). This family, and others such as surgeonfishes that sleep in refuges at night, are vulnerable to spearfishers. Introduction of SCUBA technology is exacerbating the problem further by enabling fishermen to dive deeper for longer. They are able to catch fish that were previously afforded some sanctuary at depth. The practice of fishing at night is likely to have a significant effect on the inshore subsistence fishery. Therefore, before management decisions can be made and implemented, American Samoan fisheries managers need to compile biological data on key reef species that are important both economically, and to the health of the reef ecosystem.

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 418

Author: Page, Mike; Su'a, Dan

Year: 1997

Title: Fisheries Management

Keywords: American Samoa

Abstract: Maintain sportsfishing opportunities in offshore waters of American Samoa through the use of Fish Aggregation Devices (FADs). Fish Aggregation Devices are popular with fishermen and fishery agencies as a practical way of increasing availability of desired pelagic fish species in offshore waters. The success and continuity of a FAD program depends on continual inspection of existing FADs, and replacement of lost FADs which have an average life span of 1-2 years. DMWR currently deploys up to 5 FADs, 4 around Tutuila and 1 in the Manu'a Islands.

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 248

Author: Page, M; Green, A

Year: 1998

Title: Status of the coral reef of Swains Island

Institution: Department of Marine and Wildlife Resources

Keywords: American Samoa

Notes: location DMWR fisheries; just covers the coral health and recovery from disturbance by transect and comparison with historical data,

Reference Type: Report

Record Number: 249

Author: Page, M

Year: 1998

Title: Biology, Community Structure, Growth and Artisanal Catch of Parrotfishes of American Samoa

Institution: Department of Marine and Wildlife Resources

Report Number: 50

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library; analysed catch stats, growth data, fish models, and reprod data; found populations may be threatened by overfishing; likely due to SCUBA; signs include mean size of large parrotfish declining, total est. annual yield is close to MSY for entire stock, some species may be over exploited, large slow growers being caught before sexual maturity, SCUBA catch accounts for up to 89% of total annual yield; recommends outlawing of SCUBA fishing; recommendations: outlaw SCUBA (allow free diving), monitor artesanal catches for effort, CPUE, and length-frequencies of key reef species such as surgeons, grouper, and parrots, centralize market activity for ease of study, things that affect water quality in lagoons adversely should be discouraged, and DMWR should assist with id and implementation of village-based MPA's for yield enhancement and scientific research

Reference Type: Report

Record Number: 516

Author: Pauley, Gustav

Year: 1988

Title: Leone Bay: Description of Marine Habitats

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Journal Article

Record Number: 635

Author: Pearsall, Sam H.; Whistler, Athur

Year: 1991

Title: Ecosystem mapping for Western Samoa

Journal: Noumea, New Caledonia

Keywords: Western Samoa

Notes: en route from SLIC

Reference Type: Report

Record Number: 654

Author: Pel, H.V.

Year: 1959

Title: Fisheries in American Samoa, Fiji and New Caledonia

Keywords: American Samoa

Notes: en route ACIS

Reference Type: Report

Record Number: 538

Author: Pereira, Janet Aileen

Year: 1983

Title: A check list of published and unpublished material on Samoa

Institution: Samoa History Writing Project, USP

Keywords: Samoa

Notes: location Feleti Barstow

Reference Type: Journal Article

Record Number: 251

Author: Peteru, C

Year: 1998

Title: Fine-tuning Samoa's fishing industry

Journal: Pacific Islands Monthly

Volume: May 1998

Pages: 12-13

Keywords: Western Samoa

Notes: location DMWR fisheries; number one export;

Reference Type: Report

Record Number: 252

Author: PIDP

Title: A review of aquaculture activities in the Pacific Islands region

Institution: Pacific Islands Development Program

Keywords: American Samoa, Western Samoa

Notes: location DMWR fisheries; overviews aquaculture over time in AS and WS; , full copy at DMWR

Reference Type: Report

Record Number: 253

Author: Ponwith, BJ

Year: 1990

Title: Giant clam (*Tridacna derasa*) growth and survival in American Samoa

Institution: Department of Marine and Wildlife Resources

Keywords: American Samoa

Notes: location DMWR fisheries; three species present now with a fourth species locally extinct; one species introduced to enhance local resources; growth rates for outside and aquarium clams differed with clams outside growing much faster; mortality was similar between sites; causes of mortality different (outside primarily predation by people, octopus, and a gastropod; inside undetermined); primary problem with the project to reintroduce and enhance natural fisheries was theft of clams from growout sites; high snail mortality also an issue but now that clams being cleaned of snails regularly things are better; smaller clams more susceptible to snail predation; growth steady at about 5cm/year; high mortality challenges the possibility of clam aquaculture in AS; suggests adding villages to prevent clam loss; continued monitoring to prevent snail damage also suggested; also suggests other methods for preventing mortality from the two main causes

Reference Type: Report

Record Number: 420

Author: Ponwith, Bonnie J

Year: 1990

Title: Turtle Observations From Rose Atoll 18 October to 28 November, 1990

Institution: Department of Marine and Wildlife Resources

Keywords: *Chelonia myda*, Turtle conservation, Rose Atoll; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 254

Author: Ponwith, BJ

Year: 1991

Title: The shoreline fishery of American Samoa: a 12 year comparison

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series

Report Number: 23

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library; same data as other papers but different conclusions, creel survey

Reference Type: Report

Record Number: 255

Author: Ponwith, BJ

Year: 1992

Title: The Pala Lagoon subsistence fishery

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Report Series

Report Number: 27

Keywords: American Samoa

Notes: location DMWR fisheries, DMWR library; looked at Pala Lagoon catch then compared to nearby coastal reef flat study, ranked methods by importance, found CPUE for the year, looked at species composition, looked at sociological info, when compared to open habitat: many differences in age of catch, spp diversity, composition, and yield

Reference Type: Report

Record Number: 655

Author: Popper, D.M.

Year: 1982

Title: Baitfish and prawn culture in Samoa

Institution: Food and Agriculture Organization of United Nations

Keywords: Samoa

Notes: en route ACIS

Reference Type: Report

Record Number: 646

Author: Preston, Garry; Gillett, Robert D; McCoy, Michael a.; Murrell, Peter A.; Lovell, Edward R.

Year: 1997

Title: Ship groundings in the Pacific Islands region : issues and guidelines

Institution: SPREP

Keywords: Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 49

Author: Program, Village Fisheries Extension

Year: 1996

Title: Village Fisheries Extension Program

Institution: Western Samoa Fisheries Extension & Training Project
Report Number: Information Sheet No. 1
Keywords: Western Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 647
Author: Programme, South Pacific Regional Environment
Year: 1980
Title: Country Report No.1 American Samoa
Institution: South Pacific Commission
Keywords: American Samoa
Notes: en route SLIC

Reference Type: Report
Record Number: 499
Author: Ralston, Stephen
Year: 1978
Title: A description of the bottomfish fisheries of Hawaii, American Samoa, Guam, and the Northern Marianas
Institution: Western Pacific Regional Fisheries Management Council
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 599
Author: Ralston, S; Goolsby, JL
Year: 1986
Title: Chartlets of selected fishing banks in the waters around American Samoa
Institution: Southwest Fisheries Center
Date: August
Type of Work: Administrative Report
Report Number: HL-86-00
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 256
Author: Ralston, S; Williams, HA
Year: 1988
Title: Age and growth of *Lutjanus kasmira*, *Lethrinus rubrioperculatus*, *Acanthurus lineatus*, and *Ctenochaetus striatus* from American Samoa
Institution: National Marine Fisheries Service
Report Number: Administrative Report H-88-18
Keywords: American Samoa
Notes: location DMWR fisheries; aged fish by measuring otoliths and taking average inter-otolith line distance and then aged that way rather than just count the rings, very few results, call their own method into question

Reference Type: Report
Record Number: 555

Author: Randall, J.E

Year: 1974

Title: Marine biological surveys and resource inventory of selected coastal sites at American Samoa : final report

Institution: Bernice P. Bishop Museum

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Book

Record Number: 641

Author: Rensch, Karl H.

Year: 1994

Title: Fish names of Western Polynesia : Futuna, Niue, Samoa, Tokelau, Tonga, Tuvalu, Uvea, Outliers

Publisher: Archipelago Press

City: Canberra, AU

Number of Pages: 311

Keywords: Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 424

Author: Resources, American Samoa Department of Marine and Wildlife

Title: Village Survey Preliminary Report On Fishing Problems In Nu'uuli

Institution: American Samoa Department of Marine and Wildlife Resources

Keywords: Village Survey, Fishing Problem, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 425

Author: Resources, American Samoa Office of Marine

Year: 1974

Title: American Samoa Albacore and Yellowfin Catches for 1973

Institution: American Samoa Office Of Marine Resources

Date: November 19, 1974

Keywords: Albacore, Yellowfin, Catches, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 426

Author: Resources, Inc. Meyer

Year: 1987

Title: Management of Access to Fisheries in American Samoa

Keywords: Fisheries; American Samoa

Abstract: The Reef Fisheries; The most traditionally and intensively exploited fisheries of American Samoa are those of the reefs. Reefs surrounding Tutuila and the Manu'a Islands are relatively narrow, perhaps ranging from 50 to 200 meters from shore (Hill, 1979). In the reef area one finds a diversity of fishing technology including gleaning, diving, pole fishing, throw net, gillnetting, trap and paopao based activity. Parrot fishes, surgeon fishes, soldier and squirrel fishes, goat fishes, sea basses, snappers, mullet, mackerel, octopus, clams, snails, limpets, sea urchins, sea cucumbers, lobsters, shrimps and crabs are the primary targeted seafood products along Samoa's reefs. Take is primarily for subsistence, although some "excess" catch is occasionally channelled to local markets. In 1984, American Samoa estimated a total annual reef catch of 27,613 pounds, although this may be low (Office of Marine Resources, 1984). Hill (1977) reports catch per hour of 0.5 to 0.6 k.g., save for throw netting, which yielded 2.5 kg/hr. Hill notes these results are lower than Micronesian atolls and indicative, he believes, of significant overfishing of the reefs surrounding American Samoa. Discussion with local American Samoan officials suggest that such overfishing can be potentially attributed to very aggressive fishing techniques applied over the last several years by Tongans, and in part to gradual erosion of traditional authority under the matai system of fishery management (to be discussed following). Outside the reefs, a commercial fishery primarily using 30' to 40' Alia multi-hulled boats has developed. It is estimated that approximately 50 vessels are presently available to the American Samoa fishery (Office of Marine Resources, 1985). Estimated catch for 1984, 1985 1986 are presented in Table I. As noted, fishery resources adjacent to American Samoa have not been completely charted at this time. Undoubtedly, further fishery concentrations "near shore" will be discovered over time. Further, it is likely that fishery concentrations further from American Samoa, but within 200 miles of her shores, will also be discovered. Finally, fishing arrangements (eg. the tuna management exclusion) and fishing patterns may change over time. It is consequently important that any plan American Samoa develops to manage access to her fisheries retain flexibility, so it can respond to emergent fishery developments as they occur.

Notes: location DMWR fisheries;

Reference Type: Audiovisual Material

Record Number: 257

Author: Resources, Department of Marine and Wildlife

Year: 1990

Title: Fishing Facts for American Samoa

Publisher: DMWR

City: Pago Pago, American Samoa

Type: Pamphlet

Keywords: American Samoa

Notes: location DMWR fisheries; tells of rules ie: size limits, gear restrictions, permits/licenses, and outlines sanctuaries and refuges; also outlines enforcement and penalties

Reference Type: Report

Record Number: 428

Author: Resources, American Samoa Department of Marine and Wildlife; Network, Western Pacific Fishery Information

Year: 1991

Title: American Samoa 1989 Fishery Statistics

Institution: AS Department of Marine and Wildlife Resources, Western Pacific Fishery Information Network

Type of Work: Fishery Statistics
Keywords: American Samoa, Fishery Statistics
Notes: location DMWR fisheries;

Reference Type: Report
Record Number: 429
Author: Resources, American Samoa Department of Marine and Wildlife
Year: 1994
Title: Coral Reefs in American Samoa
Institution: American Samoa Department of Marine and Wildlife Resources
Date: 1994
Keywords: Coral Reefs, American Samoa
Notes: location DMWR fisheries;

Reference Type: Report
Record Number: 430
Author: Resources, American Samoa Department of Marine and Wildlife
Year: 1995
Title: Fishing And Hunting Regulations For American Samoa
Institution: American Samoa Department of Marine and Wildlife Resources
Date: August 10, 1995
Keywords: Fishing, Hunting, Regulations, American Samoa
Notes: location DMWR fisheries;

Reference Type: Report
Record Number: 431
Author: Resources, Department Of Marine and Wildlife
Year: 1996
Title: Report on a Visit to Swains Islands
Institution: Department of Marine and Wildlife Resources
Keywords: Coral reefs, Aquaculture development; American Samoa
Notes: location DMWR fisheries;

Reference Type: Report
Record Number: 258
Author: Resources, Department of Marine and Wildlife
Year: 2000
Title: American Samoa Fishery Statistics
Institution: DMWR and WestPac FIN
Keywords: American Samoa
Notes: location DMWR fisheries; covers methods and statistics for the 1998 catch from the pelagic, bottom, reef, and other fisheries

Reference Type: Report
Record Number: 51
Author: Richmond, Bruce M.
Year: 1994
Title: Tutuila, American Samoa Coastal Resource Inventory sites: Reconnaissance Shoreline Geology [DRAFT]
Institution: U.S. Geological Survey
Date: 1994

Type of Work: U.S. Geological Survey Open-File Report 94-
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Book
Record Number: 259
Author: Robinson, A
Year: 1994
Title: The ecology of Samoa: An annotated bibliography
Publisher: South Pacific Regional Environment Program
City: Apia, Western Samoa
Number of Pages: 50
Keywords: American Samoa
Notes: location DMWR fisheries; complete bibliography, little on marine , mostly concerned with environment not fisheries

Reference Type: Report
Record Number: 261
Author: Rodgers, KA; McAllen, IAW; Cantrell, C; Ponwith, BJ
Year: 1993
Title: Rose Atoll: an anotated bibliography
Institution: The Australian Museum
Type of Work: Technical Reports of the Australian Museum
Report Number: 9
Keywords: American Samoa
Notes: location DMWR fisheries, DMWR fisheries;

Reference Type: Report
Record Number: 262
Author: Samoilys, M; Carlos, G
Year: 1991
Title: A survey of reef fish stocks in Western Samoa: application of underwater visual census methods
Institution: Forum Fisheries Agency, Honiara, Solomon Islands and the Government of Western Samoa
Type of Work: Field Report
Report Number: 6
Keywords: Western Samoa
Notes: location DMWR fisheries; tests the usefulness of UVC to determine health of fish stocks;

Reference Type: Report
Record Number: 264
Author: Saucerman, S
Year: 1994
Title: The inshore fishery of American Samoa, 1991 to 1993
Institution: Department of Marine and Wildlife Resources
Report Number: DMWR Biological Report Series no. 55
Keywords: American Samoa

Notes: location DMWR fisheries; found declines in catch, fish decreased (both resident and migratory) while catch of invertebrates increased, species composition varied with acanthurids being of primary importance, atule and jacks were the most important migratory species, Octopus was the most prominent by weight of the inverts, admits possible bias of collection method (survey), gear type importance also varied by year, some inverts may be declining, some recommendations made,

Reference Type: Conference Proceedings

Record Number: 267

Author: Saucerman, S; Kinsolving, A

Year: 1995

Title: Fisheries Management and Conservation in American Samoa

Conference Name: Joint FFA/SPC Workshop on the Management of South Pacific Inshore Fisheries

Editor: Commission, South Pacific

Publisher: SPC

Conference Location: Noumea, New Caledonia

Volume: 1

Pages: 68-74

Keywords: American Samoa

Notes: location DMWR fisheries; re-statement of facts of fisheries in AS (ie: regulations ineffective and stocks still overfished) recommends closed areas and gear restrictions; outlines a very bleak picture of fisheries in decline and very little hope of recovery

Reference Type: Conference Proceedings

Record Number: 268

Author: Saucerman, S

Year: 1995

Title: Assessing the management needs of a coral reef fishery in decline

Conference Name: Joint FFA/SPC Workshop on the Management of South Pacific Inshore Fisheries

Publisher: SPC

Conference Location: Noumea, New Caledonia

Volume: 1

Pages: 442-455

Keywords: American Samoa

Notes: location DMWR fisheries; fishery monitored for 4 yr; decline in CPUE and catch but no classic signs of overfishing; declines could be caused by reef degradation coupled with human impacts keeping the reefs from recovering; suggests controlling pollution and sedimentation as opposed to fishing regulations

Reference Type: Report

Record Number: 269

Author: Saucerman, S

Year: 1995

Title: The inshore fishery of American Samoa, 1991-1994

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series

Report Number: 77

Keywords: American Samoa

Notes: location DMWR fisheries; few signs of overfishing, rather habitat degradation may hinder reef recovery and recruitment to fishery; need to identify and mitigate these things; important fishery on Tutuila; primarily Acanthurids and Scarids

Reference Type: Report

Record Number: 432

Author: Saucerman, Suesan

Year: 1996

Title: The Inshore Fishery Monitoring Survey Of American Samoa, 1991 to 1995

Institution: Department of Marine and Wildlife Resource

Keywords: Inshore Fishery; American Samoa

Notes: location DMWR fisheries;

Reference Type: Journal Article

Record Number: 270

Author: Saunders, WB; Bond, P; Hastie, LC; Itano, D

Year: 1989

Title: On the distribution of *Nautilus pompilius* in the Samoas, Fiji and Tonga

Journal: The Nautilus

Volume: 103

Issue: 3

Pages: 99-104

Keywords: American Samoa

Notes: location DMWR fisheries; 39 specimens were trapped from 270-310 m in AS extending the range of the species 1,600 km eastward; none caught off WS but non-conclusive; none in Tonga but other organisms caught suggesting none there; Fiji does have them at 220-470 m; Fijian and AS Nautilus have some differences in shell morphology but are similar to other populations in most respects

Reference Type: Report

Record Number: 271

Author: Schug, DM; Shang, YC

Year: 1983

Title: An economic feasibility study of culturing topminnows as an alternative baitfish for skipjack tuna fisheries in Hawaii, American Samoa, Guam, and the Northern Mariana Islands

Institution: Pacific Business Center

Type of Work: Technical Assistance Project Report

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Book Section

Record Number: 272

Author: Schug, DM; Galea'i, AP

Year: 1987

Title: American Samoa: The tuna industry and the economy

Book Title: Tuna Issues and Perspectives in the Pacific Islands Region

Editor: Doulman, DJ

Pages: 191-202

Keywords: American Samoa

Notes: location DMWR fisheries; overview of all facets of the tuna industry in AS

Reference Type: Book

Record Number: 55

Author: Schultz, L.P.

Year: 1943

Title: Fishes of the Phoenix and Samoan Islands Collected in 1939 During the Expedition of the U.S.S. Bushnell

Series Title: Smithsonian Bulletin 180

Publisher: U.S. Printing Office

City: Washington D.C.

Keywords: mullet descriptions; Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 474

Author: service, Calumet industrial; office, Korean fisheries

Title: Aquaculture research and development project for American Samoa community college land grant program

Institution: ASCC land grant program

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 520

Author: Service, U.S. Fish and Wildlife

Year: 1990

Title: Draft fish and wildlife coordination act report; shoreline protection projects, American Samoa; Lauili'tuai reach a, Lauili'tuai reach b, and Aumi

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 434

Author: Service, U.S Fish and Wildlife

Year: 1995

Title: Preassessment Screen For Physical Injuries Caused By The F/V *Jin Shiang Fa* Grounding At Rose Atoll National Wildlife Refuge, American Samoa

Institution: U.S. Fish and Wildlife Service, Pacific Islands Office, Environmental Contaminants, Branch

Date: September 1995

Keywords: Preassessment, Screen, *Jin Shian Fa*, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 312

Author: Service, U.S. Fish and Wildlife

Year: 1996

Title: Preassessment screen for physical injuries caused by the F/V *Jin Shiang Fa* grounding at Rose Atoll National Wildlife Refuge, American Samoa

Institution: U.S Fish and Wildlife Service

Date: April 1996
Keywords: American Samoa
Notes: location: DMWR fisheries

Reference Type: Report
Record Number: 273
Author: Seseapasara, H
Year: 1975
Title: Further studies of the nearshore tuna resources of American Samoa
Institution: DMWR
Type of Work: Completion Report DMWR Biological Report Series
Keywords: American Samoa
Notes: location DMWR fisheries; seasonality of tuna, tracked relative abundance of different species of pelagics, used different methods and compared effectiveness, looked at gender split, looked at stomach content, looked at profitability of each method,

Reference Type: Report
Record Number: 274
Author: Severance, CJ; Franco, R
Year: 1989
Title: Justification and design of limited entry alternatives for the offshore fisheries of American Samoa, and and examination of preferential fishing rights for native people of American Samoa within a limited entry context
Institution: Western Pacific Regional Fishery Management Council
Type of Work: Final Report
Keywords: American Samoa
Notes: location DMWR fisheries; interview format and field data; lit survey on anthropology and history; native cultural set of fishing practices targeted to a significant portion of the offshore management species; good body of literature and data on pelagics, bottomfish, and lobsters (in terms of history/anthropology); investigation of limited entry alternatives only partially completed due to complexity of issue

Reference Type: Report
Record Number: 502
Author: Shleser, Robert; May, R
Year: 1977
Title: Evaluation of the potential for aquaculture in American Samoa
Institution: The Oceanic Institute and Hawaii Institute of Marine Biology
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 438
Author: Simonds, Kitty
Year: 1998
Title: Summary Of Issues Relating to a Proposed Management Measure For the American Samoa Pelagics Fishery
Institution: Western Pacific Fishery Management Council
Keywords: Pelagic Fishery Management; American Samoa
Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 645

Author: Skelton, Posa; South, G. Robin

Year: 1997

Title: Women, marine awareness and marine conservation in Samoa

Institution: USP. Marine Studies

Keywords: Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 651

Author: Skelton, Posa A.; South, G. Robin

Year: 1998

Title: National marine awareness workshop : USP - Alafua Samoa, October 21-23, 1997 =

Lipoti aoga mo le faalauaitelina o le malamalama faalegataifale

Institution: Canadian International Development Assistance (CIDA)

Keywords: Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 639

Author: Skelton, P.A.; G.R., South

Year: 1999

Title: A Preliminary checklist of the Benthic Marine Algae of the Samoan Archipelago :
technical report

Institution: Marine Studies Programme, The University of the South Pacific

Keywords: Samoa

Notes: en route from SLIC

Reference Type: Report

Record Number: 557

Author: Skillman, RA

Year: 1978

Title: Recent Trends In Catch, Fishing Effort, And Catch Unit Effort For The South Pacific
Albacore Fishery Based In American Samoa, 1954-76

Institution: Southwest Fisheries Center National Marine Fisheries Service, NOAA

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Book

Record Number: 465

Author: Sokimi, William; Watt, Peter; Chapman, Lindsay

Year: 1999

Title: FISHERIES DEVELOPMENT SECTION REPORT OF TECHNICAL ASSISTANCE
TO THE

FISHERIES DIVISION OF SAMOA AND THE LOCAL TUNA LONGLINE INDUSTRY

Publisher: Multipress

City: Noumea, New Caledonia

Number of Pages: 51

Keywords: Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 275

Author: Sokimi, W; Chapman, L

Year: 2000

Title: Report of Sea and Fishing Trials on Board the Samoan Fisheries Division's New 12.2 M Super Alia

Institution: South Pacific Community

Date: 26 April - 4 September 2000

Keywords: Western Samoa;

Notes: location DMWR fisheries; the fishery has increased in past five years with the main vessel being the alia and target albacore tuna which is exported to AS for processing; designed a new super alia to increase space for catch and ability to fish more; boat proved successful and better than the smaller alias in that there was increased stability, more fish space, added safety and efficiency of the motors, a cabin for crew, and the latest navigational equipment; the trip proved profitable and would likely be under the conditions that WS fishes under; some improvements can be made to the design which are outlined in the report

Reference Type: Conference Proceedings

Record Number: 276

Author: SPREP

Year: 1994

Conference Name: Coastal Protection in the Pacific Islands: Current Trends and Future Prospects Proceedings of the First and Second Regional Coastal Protection Meetings

Publisher: South Pacific Regional Environment Programme

Conference Location: Apia, WS and Suva, Fiji

Keywords: American Samoa

Notes: location DMWR fisheries; various country statements on coastal zone issues and solutions in AS and other Pacific Islands

Reference Type: Conference Proceedings

Record Number: 656

Author: SPREP

Year: 1994

Title: South Pacific Biodiversity Conservation Programme, report of the 2nd meeting on the technical and management advisory group

Editor: SPREP

Publisher: SPREP

Conference Location: Apia, WS

Pages: 16

Keywords: Samoa

Notes: en route Vanuatu

Reference Type: Book

Record Number: 540

Author: Squire, James L

Year: 1979

Title: Sport fishing in Hawaii, Guam and American Samoa : with charts to fishing grounds and an illustrated guide to Pacific fishes

Publisher: C.E. Tuttle

City: Rutland, Vt

Keywords: American Samoa

Notes: location Feleti Barstow

Reference Type: Conference Proceedings

Record Number: 440

Author: Stewart, John

Year: 1998

Title: Second Pacific Community Fisheries Management Workshop

Conference Name: Samoa Case Study

Conference Location: Noumea, New Caledonia

Pages: 1-16

Keywords: Western Samoa

Abstract: The previous presentation from Ueta Fa'asili offered an overview of the Samoa Sea food industry. The industry has become a top export earner for the country based on its export of fresh chilled tuna and blast frozen tuna. The success is largely due to the increased size of the Alia fleet from approximately forty boats three years ago to a current fleet of three hundred plus. During this period Pacific Training agencies have endeavored to support this development with the introduction of specific training programmes. The fishers and processors have responded and are now strategically positioned as one of the worlds leading exporters of Albacore. The Samoa seafood products are now positioned as quality products on the U.S. and Japanese markets. This case study addresses the implications of the new Maritime Regulations and the development of Safety Certification for the Fishers. It will not focus on the sustainability or the possibility of over exploitation of the fish stock, or the future harvesters of the resource. Ever conscious of the Standard Training Certification and Watchkeeping for Seafarers (STCW), and the need for the Samoa Government to address issues of safety pertinent to the Samoa Fishing Industry, the Ministry of Transport (Marine Regulations) has identified new standards that have to be met from within the Fishing Industry. The standards are: A structured qualification for Alia fishermen, Regulations specifying the requirement for Survey of Alia fishing boats. As the Samoa Fishing Industry develops with this comes the desire to harvest more fish, and as the export price of fish fluctuates the fishers are driven to stay out longer and to drive further to hunt the tuna. Joint venture relationships are developing with offshore partners bringing in larger boats, and consequently the traditional Alia is once again forced to fish further and further out to sea. It is not uncommon for the newer designed Alia to fish out beyond forty nautical miles, and this is putting the industry at risk with the unacceptable loss of life. It is timely that the Samoa Government is preparing to implement the minimum standard of safety both for fishers and fishing boats. During the past four years the industry has shown willingness to develop safety standards and safety awareness among the fishers. This has been through the promotion of resources, videos, and publicity materials supplied regularly by SPC. Additionally, practical training programmes have been funded by the New Zealand NZODA by way of the Pacific Islands Investment & Development Scheme (contestable funds applicable to the development and training within the private sector).

Notes: location DMWR fisheries;

Reference Type: Book

Record Number: 277

Author: Studies, Center for Coastal Marine

Year: 1980

Title: A selectively annotated bibliography of social, cultural and economic material related to fishery development in Hawaii, American Samoa, and Micronesia

Publisher: Center for Coastal Marine Studies, University of California

City: Santa Cruz, California

Number of Pages: 139

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 441

Author: Su'a, Dan

Title: Albacore Landings in American Samoa

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 442

Author: Su'a, Dan; Yamasaki, Gordon

Title: Albacore landings in American Samoa, 1988-1995

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 443

Author: Su'a, Tanielu

Year: 1990

Title: The Effects Of Mans Activities On Coral Reefs

Institution: Fisheries Division, Department of Agriculture, Forestry and Fisheries

Keywords: threats to coral reefs; Samoa

Notes: location DMWR fisheries;

Reference Type: Conference Proceedings

Record Number: 278

Author: Su'a, D; McConnaughey, J

Year: 1995

Title: Country Statement: American Samoa

Conference Name: Present and Future of Aquaculture Research and Development in the Pacific Island Countries

Publisher: Ministry of Fisheries

Conference Location: Tonga

Pages: 17-18

Keywords: American Samoa

Notes: location DMWR fisheries; overview of AQ dev. in AS;

Reference Type: Conference Proceedings

Record Number: 279

Author: Su'a, T

Year: 1999

Title: The offshore pelagic fisheries of American Samoa

Conference Name: Standing Committee on Tuna and Billfish

Conference Location: Tahiti

Keywords: American Samoa

Notes: location DMWR fisheries; covers a little history and gives pretty recent statistics on the fishery

Reference Type: Report

Record Number: 280

Author: Swerdloff, SN

Year: 1972

Title: Development of a pole and line skipjack tuna fishery in American Samoa

Institution: Department of Marine and Wildlife Resources

Type of Work: Completion Report

Report Number: Project No. H-15-D

Keywords: American Samoa

Notes: location DMWR fisheries; skipjack were more abundant Nov-May; evenly distributed around Tutuila; no correlation with sea surface temp; opportunistic feeding with larval reef fish, squid, and pelagic baitfish common; not much baitfish to be had; recommends fishing with emphasis on baitfish culture development

Reference Type: Report

Record Number: 592

Author: Takata, HA

Year: 1986

Title: Aquaculture site visit/ survey on Tutuila, Aunu'u, and Manu'a Islands

Institution: Sea Grant Extension Service, University of Hawaii

Date: June

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 444

Author: Tauili'ili, Pamerika L

Year: 1989

Title: Technical Reports Of The Land Grant Program American Samoa Community College

Institution: American Samoa Community College, Land Grant Program

Date: 1989

Type of Work: Technical Reports

Keywords: American Samoa, Technical Reports

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 445

Author: Tauili'ili, Pamerika L

Year: 1990

Title: Technical Reports of the American Samoa Community College, Land Grant Program

Institution: American Samoa Community College, Land Grant Program

Date: 1990

Type of Work: Technical Reports

Keywords: American Samoa, Technical Reports

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 446

Author: Tauili'ili, Pemerika L

Year: 1991

Title: Technical Reports Of The American Samoa Community College Land Grant Program

Institution: American Samoa Community College, Land Grant Program

Date: 1991

Type of Work: Technical Reports

Keywords: Land Grant, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 585

Author: team, CRE plan

Year: 1999

Title: Fishery management plan for coral reef ecosystems of the Western Pacific Region

Institution: Western Pacific Fishery Management Council

Type of Work: Draft report

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 281

Author: Teichman, J

Year: 1995

Title: Market Analysis - Giant Clams as Food Products in the American Samoan Domestic Market

Institution: The Pacific Business Center Program, University of Hawaii

Keywords: American Samoa

Notes: location DMWR fisheries; three goals: promote clams as food, investigate market for clams on AS, determine if any preference for taste of species existed; promotional sale: different sizes offered, most clams sold were large, 95% were Samoans and all were residents of AS; taste test: T. derasa and H hippopus offered, looked at appearance taste texture and overall preference, T. derasa receives a higher average response, both rated favorably so either is suitable, reported that 5 and 7 in were too small and 9 in too large, primarily Samoans, middle aged, residing in Samoa; market test: typical consumer is Samoan, mid-thirties or older, residing in AS, experienced with clams as food, likely to purchase again; feasibility analysis: prices established in the market test showed that farms are feasible

Reference Type: Report

Record Number: 544

Author: Templet, PH

Year: 1986

Title: American Samoa: Establishing a Coastal area Management Model for Developing Countries

Institution: Institute for Environmental Studies Louisiana State University

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 282

Author: Thaman, RR

Title: Community-based biodiversity surveys and conservation action plans as a foundation for integrated coastal zone management and marine biodiversity conservation in the Pacific Islands

Keywords: Samoa

Notes: location DMWR fisheries; participatory recording, analysis and application of ethnobiological knowledge by local people and for their use is the most effective way of promoting biodiversity conservation; without local help becomes uphill battle; if initiatives are not developed at a community level they will fail; community based participatory surveys and workshops can facilitate national biodiversity and ethnobiological inventories and dev of global regional and national databases, help preserve and protect traditional envi knowledge and biocultural property for use and benefit of local communities, identify systems, plants and animals that are rare endangered or of particular importance, identify types of development that are unsustainable or destructive, identify traditional and non-traditional actions that can be taken to protect knowledge and ecosystems; suggests ways to extrapolate and duplicate these studies and results throughout the Pacific

Reference Type: Report

Record Number: 283

Author: Thollot, P

Year: 1993

Title: Western Samoa Mangrove Fish Survey

Institution: ORSTOM

Report Number: 23

Keywords: Western Samoa

Notes: location DMWR fisheries; 35 spp of fish from 22 families in WS mangroves; most speciose families were the gobiidae followed by mullidae, mugilidae, and ophichtidae; numerically dominant species came from mullidae, puffers, and crescent perch; most important by weight were the perch, mullets followed by goatfish and damsels; species composition varied by site; gill nets and rotenone are effective sampling methods; investigated the biology of some of the species

Reference Type: Journal Article

Record Number: 284

Author: Trail, P

Year: 1995

Title: The deflowering of Rose Atoll

Journal: Pacific Discovery

Volume: 48

Issue: 3

Pages: 46-49

Keywords: American Samoa

Notes: location DMWR fisheries; letter very romanticized; first trip was to assess and remove introduced rats from a relatively pristine Rose Atoll; second trip year and a half later to assess damage; in October 1992 a cruising yacht ran aground on the reef flat, hull remains still; in October 1993 a 350 ton Taiwanese fishing boat ran aground dead center of the western face of the atoll, the force drove the ship over the top of the reef flat and ripped a gash in the hull, ships toxic contents spilled out; a total of 100,000 gallons of fuel spilled out in the weeks after the wreck and was joined by 500 gallons of heavy lube oil and 2,500 pounds of toxic ammonia forming a slick on the sea and the front of the atoll and mixing in the surf; surprisingly little damage to land; marine damage assessment of 75% mortality of giant clams in the area, widespread bleaching of the coralline algae, infilling of the 3-D reef structure by sand produced by the wreck, infestation of blue-green algae that now covers 2 million sq.m. of reef, signs of eye injuries to sea turtles returning to nest a year after the wreck, the breaching of a humpback whale in the middle of the oil slick; two years later debris remains, sandbur was introduced and hasn't been irradiated fully, rat irradiation appeared successful,

Reference Type: Journal Article

Record Number: 285

Author: Tuato'o-Bartley, N; Morrell, TE; Craig, P

Year: 1993

Title: Status of sea turtles in American Samoa in 1991

Journal: Pacific Science

Volume: 47

Issue: 3

Pages: 215-221

Keywords: American Samoa

Notes: location DMWR fisheries; interviewed people, seemed to be a serious decline and may be only 120 nesting females per year, most turtles and eggs encountered are still harvested by villagers, no time of year found when turtles present, some beaches no longer used for nesting, probably migrate out of Samoan waters, extrapolate and guess to arrive at number of turtles actually nesting, despite laws turtles taken and because traditional culture is eroding there is no control (not just for chiefs or special occasions any more), habitat destruction also a problem

Reference Type: Report

Record Number: 286

Author: Tulafono, R

Year: 1987

Title: Deployment and Maintenance of Third Generation Fish Agregation Device System in American Samoa

Institution: Office of Marine and Wildlife Resources

Type of Work: Project Final Report

Report Number: Project No. 4-67-4

Keywords: American Samoa

Notes: location DMWR fisheries; FAD's increased catch rates with reduced search and travel time; FAD's of 1st and 2nd generation were short lived due to expense this needed fixing; primary cause of FAD loss was cutting by keels and props; 1st gen lasted 9 mo while 2nd lasted at most 13 mo; 3rd gen design seems to work better with up to 31 mo time emmersed; continual checking to maintain and make sure they stay is needed; checked moorings, lights, floats, and drape material (fouling org, drape longevity, baitfish communities); losses significantly reduced due to maintenance; discusses maintenance duties; of those 3rd gen lost one was due to shark bite, one to human interference, several to drift or possible drift and poor location, and one due to cyclone; steady decline in CPUE from 75-79; rises in 80 due to 1st gen FAD's; continued to rise to to FAD's and other banks being available; static fishing can produce commercial catches when trolling fails; drapes tested as well and found polypropylene straps worked best because lasted longest (no real test of whether drapes effective or not but talks of baitfish, pelagics, dolphins, and sharks around FAD's); tells of species around FAD's;

Reference Type: Report

Record Number: 287

Author: Tulagi, F; Green, A

Year: 1995

Title: Community perception of changes in coral reef fisheries in American Samoa

Type of Work: DMWR Biological Report Series no. 72

Keywords: American Samoa

Notes: location DMWR fisheries; surveyed community perception of reef fishery, found that everyone thought giant clams had declined while fewer thought that fish and palolo declined, decline was greater on north than south, illegal destructive fishing continues but on a small scale, suggested programs included subsidized fishing equipment, educational programs, and improving reef health,

Reference Type: Book Section

Record Number: 661

Author: UNESCAP

Year: 2003

Title: Modalities for environmental assessments, country study on fishery resources development and management in Samoa

Book Title: Integrating Environmental Considerations into the Economic Decision-Making Process

Publisher: UNESCAP

Volume: IV

Number of Volumes: IV

Pages: 101

Keywords: Samoa

Notes: location DMWR fisheries

Reference Type: Journal Article

Record Number: 464

Author: Vergne, P; Bryan, P; Broadhead, G

Year: 1978

Title: Large scale production of the top minnow (*Poecilia mexicana*) in American Samoa and the testing of their efficiency as tuna bait

Journal: Pacific Tuna Development Foundation Technical Bulletin

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 623

Author: Volk, R

Title: The environmental review process in American Samoa

Institution: A.S. Coastal Management Program, Development Planning Office, ASG

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 583

Author: Volk, RD; Knudsen, PA; Kluge, KD; Herdich, DJ

Year: 1992

Title: Towards a territorial conservation strategy and the establishment of a conservation areas system for American Samoa

Institution: Le Vaomatua, Inc.

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 640

Author: Ward, R. Gerard ; Ashcroft, Paul

Year: 1998

Title: Samoa : mapping the diversity

Institution: Insitute of Pacific Studies, University of the South Pacific

Keywords: Samoa

Notes: en route SLIC

Reference Type: Report

Record Number: 504

Author: Wass, W

Year: 1978

Title: Current status of the Crown-of-Thorns starfish (*Acanthaster planci* = "Alalamea") around Tutuila Island

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 514

Author: Wass, Richard C

Year: 1979

Title: Manu'a Islands Survey

Institution: DMWR

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Conference Proceedings

Record Number: 288

Author: Wass, RC

Year: 1980

Title: The shoreline fishery of American Samoa -- past and present

Conference Name: UNESCO Seminar on Marine and Coastal Processes in the Pacific

Editor: UNESCO

Publisher: UNESCO

Conference Location: Motupore Island Research Center, Papua New Guinea

Pages: 32

Keywords: American Samoa

Notes: location DMWR fisheries; very old with some words missing from too much rubbing; covers traditional, and current (for the time) practices; covers sexual differences, age differences, and methods of fishing; done by survey; very similar to more recent papers on the fishery

Reference Type: Report

Record Number: 534

Author: Wass, Richard C

Year: 1980

Title: Marine and coastal processes in the Pacific: Ecological aspects of coastal zone management

Institution: Regional office for science and technology

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 289

Author: Wass, RC

Year: 1981

Title: The Tridacna clams of Rose Atoll

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series

Keywords: American Samoa

Notes: location DMWR fisheries; looked at distribution and habits, counted and measured shell length, compared adult distribution to juvenile, looked at dead shell and found higher rates of juvenile mortality, proposed limited harvests but the harvest required high policing

Reference Type: Personal Communication

Record Number: 290

Author: Wass, RC

Year: 1981

Title: American Samoa's data needs and research priorities

Keywords: American Samoa

Notes: location DMWR fisheries; letter for inclusion into a packet of info for the members of the research and data subcommittee of SSC;

Reference Type: Report

Record Number: 452

Author: Wass, C. Richard

Year: 1982

Title: Characterization Of Inshore Samoan Fish Communities

Keywords: inshore fisheries, habitats; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report
Record Number: 515
Author: Wass, R.C.
Year: 1982
Title: The fishes of Rose Atoll-supplement I
Institution: DMWR
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 600
Author: Wass, R; Sesepasara, H
Year: 1982
Title: Statistical Analysis of American Samoa's fisheries
Institution: DMWR
Date: January 6
Type of Work: Annual Report
Report Number: project no. 4-36-D-5
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 570
Author: Wass, R
Year: 1983
Title: Design and Implementation of Second Generation Fish Aggregation Device System in American Samoa
Institution: DMWR
Type of Work: Final Report
Report Number: Project number F-4-D
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 291
Author: Wass, RC
Year: 1984
Title: An annotated checklist of the fishes of Samoa
Institution: U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Type of Work: NOAA Technical Report
Report Number: NMFS SSRF-781
Keywords: American Samoa
Notes: location DMWR fisheries, DMWR library;

Reference Type: Report
Record Number: 526
Author: Watt, P.G.
Year: 1991

Title: Report on pelagic longline fishing in Western Samoa, 27 September 1990 - 27 March 1991
Institution: SPC
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 550
Author: Watt, Peter; Chapman, Lindsay; Cusack, Peter
Year: 1998
Title: Unpublished report No.22 on small-scale tuna fisheries development in Western Samoa
Institution: South Pacific Commission
Keywords: Western Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 512
Author: Wells, S.M.; Jenkins, MD
Year: 1988
Title: Coral reefs of the world vol. 3: central and western pacific
Institution: UNEP IUCN
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 500
Author: Wendler, Henry O
Year: 1980
Title: Draft recommendations for fisheries development and management in American Samoa
Institution: Pacific Marine Fisheries Commission
Keywords: American Samoa
Notes: location DMWR library

Reference Type: Report
Record Number: 487
Author: WestPacFIN; DMWR
Year: 1988
Title: American Samoa fishery statistics 1985 and 1986
Institution: WestPacFIN
Keywords: American Samoa
Notes: location DMWR fisheries

Reference Type: Report
Record Number: 486
Author: WestPacFIN; DMWR
Year: 1989
Title: Territory of American Samoa
American Samoa 1987 fishery statistics
Institution: DMWR

WestPacFIN

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 490

Author: WestPacFIN; DMWR

Year: 1990

Title: American Samoa fishery statistics 1988

Institution: WestPacFIN

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 488

Author: WestPacFIN; DMWR

Year: 1991

Title: American Samoa 1989 fishery statistics

Institution: WestPacFIN

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 489

Author: WestPacFIN; DMWR

Year: 1992

Title: American Samoa fishery statistics 1990

Institution: WestPacFIN

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 485

Author: WestPacFIN; DMWR

Year: 1992

Title: American Samoa 1991 Fishery Statistics

Institution: American Samoa Department of Marine and Wildlife Resources

Western Pacific Fishery Information Network

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 292

Author: WestPacFIN

Year: 1997

Title: Bottomfish and seamount groundfish fisheries of the Western Pacific Region

Institution: Western Pacific Regional Fishery Management Council

Type of Work: Annual Report

Keywords: American Samoa

Notes: location DMWR fisheries, Peter Craig; Incomplete original with Peter Craig (NPS); gives summary and then greater detail; records depletion and loss of fishermen; summarizes from 1992 onward

Reference Type: Report

Record Number: 293

Author: WestPacFIN

Year: 1998

Title: Pelagic Fisheries of the Western Pacific Region (American Samoa Only)

Institution: Western Pacific Regional Fishery Management Council

Date: November 1998

Keywords: American Samoa

Notes: location DMWR fisheries; increase in total landings recorded along with a drop in effort; prices were low in 1997 but increased in 1998; 26 boats fished out of 50 that received permits; local boats have targetted albacore for the canneries; also covers a bit of history of the fishery; lots of graphs with their interpretations

Reference Type: Report

Record Number: 482

Author: WestPacFIN; DMWR

Year: 1999

Title: American Samoa fishery statistics 1999

Institution: DMWR

WestPacFIN

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 622

Author: WestPacFIN

Year: 1999

Title: Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region 1998 Annual Report

Institution: WestPacFIN

Date: November

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 548

Author: WestPacFIN; DMWR

Year: 2000

Title: American Samoa Fishery Statistics 1998

Institution: WestPacFIN

Keywords: American Samoa

Notes: location DMWR library

Reference Type: Report

Record Number: 294

Author: WestPacFIN

Year: 2001

Title: Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region 1999 Annual Report

Institution: Western Pacific Regional Fishery Management Council

Date: May 2001

Keywords: American Samoa

Notes: location DMWR fisheries; no major changes in composition over years; no change in price over seven years; catch is lower than in the peak years of 1982-86 due to a smaller fishing fleet; CPUE more fluctuatory due to loss of experienced crews, loss of boats, and improvements in sampling method

Reference Type: Report

Record Number: 618

Author: Works, Department of Public

Year: 1995

Title: Draft Environmental Assessment for Ta'u Road Phase III

Institution: Department of Public Works American Samoa

Date: August

Keywords: American Samoa

Notes: location DMWR fisheries

Reference Type: Report

Record Number: 457

Author: Yamasaki, Gordon; Itano, David

Year: 1984

Title: A Study of and Recommendations for the Management of the Mangrove and Lagoon Areas of Nu'uuli, American Samoa

Institution: National Oceanic and Atmospheric Administration, Coastal Zone Management

Date: March 1984

Type of Work: Draft Report

Keywords: Recommendations, Management, Mangrove, Lagoon Areas, American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 295

Author: Yamasaki, G; Itano, D; Davis, R

Year: 1985

Title: A study of and recommendations for the management of the mangrove and lagoon areas of Nu'uuli and Tafuna, American Samoa

Institution: Department of Marine and Wildlife Resources

Type of Work: DMWR Biological Report Series no. 10

Keywords: American Samoa

Notes: location DMWR fisheries; Pretty good overview of the area as it was in 1985, good social study too, some problems with sampling method,

Reference Type: Report

Record Number: 459

Author: Yamasaki, Gordon

Year: 1991

Title: South Pacific Tuna Treaty Monitoring Program

Institution: US Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service

Date: July 1-September 30, 1991
Type of Work: Quarterly Report
Keywords: Tuna Monitoring; American Samoa
Notes: location DMWR fisheries;

Reference Type: Journal Article
Record Number: 296
Author: Yoshida, HO
Year: 1975
Title: The American Samoan longline fishery, 1966-71
Journal: Fishery Bulletin
Volume: 73
Issue: 4
Pages: 747-765
Keywords: American Samoa
Notes: location DMWR fisheries; primarily albacore and to a lesser extent yellowfin; landings fluctuated widely; CPUE showed a definite downward trend; size of albacore was stratified by latitude;

Reference Type: Journal Article
Record Number: 297
Author: Yu, SP; Chu, PS; Schroeder, T
Year: 1997
Title: Predictive skills of seasonal to annual rainfall variations in the U.S. affiliated Pacific Islands: canonical correlation analysis and multivariate principal component regression approaches
Journal: Journal of Climate
Volume: 10
Pages: 2586-2599
Keywords: American Samoa
Notes: location DMWR fisheries; both models are potentially useful in predicting seasonal rainfall variations, especially in winter and spring; both models were comparable and fell short during cyclone season

Reference Type: Report
Record Number: 298
Author: Zann, LP
Year: 1991
Title: The Status of Sea Turtles in Western Samoa
Institution: FAO
Report Number: FAO/UNDP SAM/89/002 Field Report no. 9
Keywords: Western Samoa
Notes: location DMWR fisheries; project description for headstarting of turtle hatchlings in WS; two species present (green and hawksbill); tells where they nest; populations in decline because of human exploitation; program stopped because considered too expensive; project was under represented in terms of growth, mortality, etc so project unsustainable; since close of project no studies but turtles still being sold at markets; no details from tagging studies

Reference Type: Report
Record Number: 299

Author: Zann, LP

Year: 1991

Title: A Review of Introductions of Aquatic Species into Western Samoa and an assessment of Their Environmental Impacts

Institution: FAO

Report Number: FAO/UNDP SAM/89/002 Field Report 10

Keywords: Western Samoa

Notes: location DMWR fisheries; many terrestrial species of plants introduced to WS both on purpose and accidentally; only few been introduced to water but is expected to increase as AQ increases; reviews past introductions to evaluate effects, detail plans for future introductions, and establish guidelines to avoid adverse envi impacts; accidental introductions not obvious or known; discusses all known and possible future introductions; also tries to lend perspective and guidelines to introductions;

Reference Type: Report

Record Number: 300

Author: Zann, LP

Year: 1991

Title: A Review of Aquaculture in Western Samoa

Institution: FAO

Report Number: FAO/UNDP SAM/89/002 Field Report no. 4

Keywords: Western Samoa

Notes: location DMWR fisheries; preliminary report; reviews aquaculture in WS and its constraints; discusses common mistakes in AQ; talks over success stories; and sets priorities and recommendations for future aquaculture in WS; details past aquaculture projects and their success or failure;

Reference Type: Report

Record Number: 301

Author: Zann, LP; Sua, T

Year: 1991

Title: Effects of Cyclone Ofa on the Fisheries and Coral Reefs of Upolu, Western Samoa in 1990

Institution: FAO

Report Number: FAO/UNDP SAM/89/002 Field Report no. 2

Keywords: Western Samoa

Notes: location DMWR fisheries; describes the general effects and the cyclone itself; over half the boats and 7 of 8 FADS damaged which obviously caused a decline in fish catch but will allow some recovery of fish stocks; northern reefs were most affected with much of the coral on the reef slopes killed but the southern reefs were little affected; the cyclone formed some banks of coral rubble and gravel which affected circulation; some banks are already disappearing and others may last for a while

Reference Type: Report

Record Number: 302

Author: Zann, LP; Bell, L

Year: 1991

Title: Effects of the Crown-of-Thorns Starfish (Alamea) on Samoan Reefs

Institution: Government of Western Samoa

Report Number: FAO/UNDP SAM/89/002 Field Report no. 8

Keywords: Western Samoa

Notes: location DMWR fisheries; discusses outbreaks informed by fishermen; also discusses outbreaks that have occurred during times when scientists were around to study them; tried various ways to control the COTS with varying and controversial success;

Reference Type: Report

Record Number: 303

Author: Zann, LP

Year: 1991

Title: The inshore resources of Upolu, Western Samoa: coastal inventory and fisheries database

Institution: FAO

Report Number: FAO/UNDP SAM/89/002 Field Report no. 5

Keywords: Western Samoa

Notes: location DMWR fisheries; goes over history of fishery then describes the present status

Reference Type: Report

Record Number: 304

Author: Zann, LP

Year: 1991

Title: A preliminary check list of the major marine species of fishes and other marine organisms in Western Samoa (Samoan/Scientific/English)

Institution: FAO

Report Number: FAO/UNDP SAM/89/002 Field Report no. 1

Keywords: Samoa

Notes: location DMWR fisheries; preliminary listing of fish and invertebrates consisting of scientific, English, and Samoan names

Reference Type: Report

Record Number: 462

Author: Zann, Leon

Year: 1991

Title: The Crown-Of-Thorns Starfish, *Acanthaster Planci*, In The Proposed Ofu marine Park, American Samoa: Recommendations On Policy And Strategies

Keywords: *Acanthaster planci*; American Samoa

Notes: location DMWR fisheries;

Reference Type: Report

Record Number: 305

Author: Zann, L

Year: 1992

Title: Management of the crown-of-thorns starfish (*Acanthaster planci*) in the proposed national park of American Samoa with recommendations on policy

Institution: SPEER Consultants

Keywords: American Samoa

Notes: location DMWR fisheries; good intro to COTS phenomenon and biology; summary of both oral tradition and known outbreaks in Samoa; describes Ofu; describes anecdotal and scientific surveys of *Acanthaster* numbers on Ofu; talks of current status; guesses at factors responsible for outbreaks in general and in OFU; talks of outbreak controls from past and effectiveness; recommends;

Reference Type: Conference Proceedings

Record Number: 63

Author: Zann, L.P. and Mulipola, A.

Year: 1995

Title: Western Samoan Marine Harvests

Conference Name: South Pacific Commission and Forum Fisheries Agency Workshop on the Management of South Pacific Inshore Fisheries

Editor: Danzell, P., and Adams, T.J.H.

Publisher: South Pacific Commission

Conference Location: Noumea, New Caledonia

Volume: II

Number of Volumes: 2

Pages: 659-666

Keywords: Western Samoa

Notes: location DMWR fisheries