

BALAZS

SPC Fiji

SATELLITE TAG WORKSHOP

SPREP TANOAN INTERNATIONAL HOTEL

FEBRUARY 1-5, 2010

p. 26-

GEORGE BALAZS

FEBRUARY 21 - MARCH 10, 1977

SPC/CONSULTANCY - FIJI, RAROTONGA,
AITUKAKI, APIA W. SAMOA

Please Return to G.H. Balazs
Hawaii Institute of
Marine Biology
P.O. Box 1346
Kaneohe, Hawaii 96744

— GRAND Pacific Hotel-Suva

— ROROTONGA — AROARANGI BEACH
— AITUTAKI — PAPA'E
— NADI — GATEWAY

— W. SAMOA — MRS. *Moore's* Guest House



GEORGE H. BALAZS
BIOLOGIST AND LEADER
MARINE TURTLE RESEARCH



PACIFIC ISLANDS FISHERIES SCIENCE CENTER
NOAA, NATIONAL MARINE FISHERIES SERVICE
2570 DOLE STREET
HONOLULU, HAWAII 96822-2396

Cell: (808) 286-2899
Office: (808) 983-5733
Fax: (808) 983-2902

gbalazs@honlab.nmfs.hawaii.edu

VERNON



COMPOSITION BOOK • 9½ IN. x 7½ IN.

AVAILABLE AS:

No. 1130 (09-9130)	60 SHEETS	COLLEGE RULED & MARGIN
No. 1130-P (09-9132)	60 SHEETS	COLLEGE RULED & MARGIN
No. 1143-X (09-9134)	100 SHEETS	COLLEGE RULED & MARGIN

No. 1130-P (09-9132) NUMBERED PAGES, No. 1143-X (09-9134) SECTION SEWED

Made in U. S. A.

VERNON ROYAL, INC. Elizabeth, N. J. 07208

NADI, FIJI (for SPREP)

February 1-5, 2010

Cantoka (2/4/10)

NADI - (2/5/2010)

p. 26-

MCI

1. Dial the worldwide access number of

Fiji:
004-890-1002

Lui A.J. Bell
Marine Species Officer
Secretariat of the Pacific
(SPREP)
PO Box 240
Apia
Samoa

2010

UNIVERSITY OF HAWAII

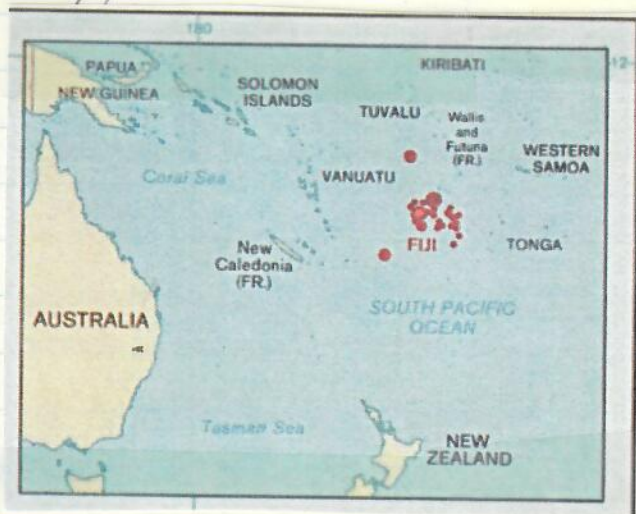
Hawaii Institute of Marine Biology

P.O. BOX 1346

KANEOHE, HAWAII 96744

ITINERARY 1977

Dateline	2/21/77	MONDAY	DEPART HONOLULU (HAWAII)
	2/22	TUESDAY	ARRIVE ^{NADI} SUVA (FIJI)
Dateline	2/28	MONDAY	DEPART ^{SUVA NADI} (FIJI)
	2/27	SUNDAY	ARRIVE RAROTONGA (COOK ISLANDS)
	3/3	Thursday	DEPART RARO; ARRIVE AITUTAKI
	3/5	SATURDAY	DEPART AITUTAKI; ARRIVE RARO
Dateline	3/7	MONDAY	DEPART RARO
	3/8	TUESDAY	ARRIVE NADI
Dateline	3/10	Thursday	DEPART NADI
	3/9	Wednesday	ARRIVE Apia (W. SAMOA)





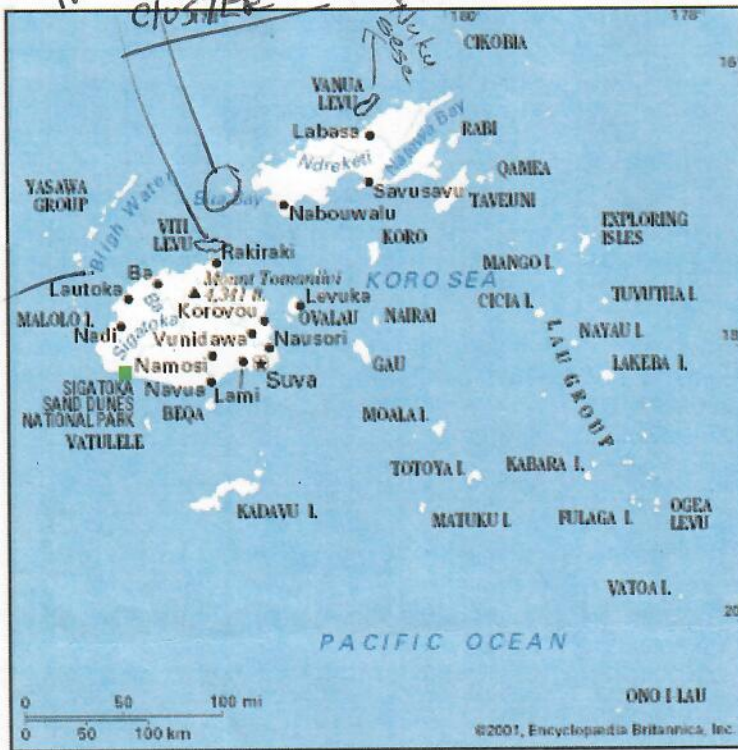
The New York Times
ON THE WEB

Geography

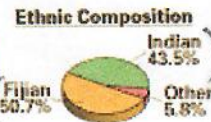
Merriam-Webster's Atlas

MORE MAPS

Places Loggerheads seen
clustered



Fiji



Official name: Sovereign Democratic Republic of Fiji.

Form of government: republic with two legislative houses (Senate [34]; House of Representatives [70]).

Chief of state: President.

Head of government: Prime Minister.

Population (1998): 793,000.

Population projection: (2000) 811,000; (2010) 912,000.

Natural increase rate per 1,000 population (1997): 18.1 (world avg. 15.7).

Gross national product (1996): U.S.\$1,983,000,000 (U.S.\$2,470 per capita).

Land use (1994): forested 64.9%; agricultural and under permanent cultivation 14.2%; meadows and pastures 9.5%; other 11.4%.



The national flag, introduced on Oct. 10, 1970, is a modified version of Fiji's colonial flag. It includes the Union Jack on a light blue field. The shield has the red cross of St. George on a white background, below a yellow lion, which holds a cocoa pod. Local symbols (sugar cane, coconuts, bananas, and the Fiji dove) are also shown.

Local symbols (sugar cane, coconuts, bananas, and the Fiji dove) are also shown.

©2001, Encyclopaedia Britannica, Inc.

7555/7083555

newsroom@fijisun.com.fj

3
Fiji Sun
2/5/2010



Three cheers ... some of the delighted conservationists at Wailoaloa Beach as Lady Nakalou made her way back into the Pacific Ocean.

A special lady returns home

By EMOSI LASAQA

A group of 25 marine conservationists turned up at Walloaloa Beach, in Nadi, to send off a special friend.

She was Lady Nakalou, a green turtle all the way from Nakalou Village, in Ma-cuata.

Lady Nakalou was tagged with a satellite tracker before she was freed to join her kind in the ocean while at the same time reporting home through the special apparatus attached on her back.

Her story is crucial in monitoring the migratory behaviour of these cultural icons.

On a tag on her back is written, Lady Nakalou, Nadi Fiji Island, Do Not Kill, Contact SPREP (Secretariat of the Pacific Regional Environment Programme), 3315533.

It took six grown up men to carry Lady Nakalou from the vehicle to the beach after she was tagged.

She seemed reluctant to move but quickly vanished when her flippers touched the waves as applause erupted from her admirers.

Signs of relief were obvious on the faces of World Wildlife Fund staff and volunteers on the beach.

It was indeed a job well-done and marked the end of a two-day turtle tagging training workshop attended by stakeholders around the region at the Tanoa Hotel, in Nadi.

The workshop that was aimed at building national capacities to enable the satellite tagging of turtles and consequently learn more about their behaviour started on Tuesday.

It was facilitated by the Secretariat of the Pacific Regional Environment Programme, with support from the National Oceanic Atmospheric Administration and the Marine Conservation Action Fund.

Turtle conservation in Fiji received a major boost when the Government extended the moratorium, making it illegal to harvest and trade sea turtles for another 10 years from 2009.

Marine turtles grow slowly and take between 30 to 45 years to reach sexual maturity.

During their life and incredible migrations, they encounter many natural dangers. These have now been exacerbated by human pressures resulting in as few as one in 1000 eggs surviving to adulthood.

Five species of turtles can be found in Fiji — the hawksbill, green turtle, loggerhead, leatherback and Olive Ridley.

Pacific populations of leatherback and loggerheads are feared to be on the verge of extinction if slaughter levels continue.

Fund marine species coordinator Penina Solomona said: "With turtles traversing oceans, regional cooperation ensures that establishing the management and protection of turtle population must go beyond the national level to the cross-border level."

3rd

Technical Meeting on Fisheries

6 page manuscript - no author listed
probably HendricksonTitled "Guidelines for the Rational
Utilization of Marine Turtles
in the Pacific Islands"

sections A. Importance of Resource

B. Operational Guidelines

C. Recommendation for Action by SPC

2 page manuscript "Guidelines for the
Rational Utilization of Marine Turtles
in the Pacific Islands" SummaryNeed
permanent
interested
person to stick
with it→ "foot-finding questionnaire" already
circulated

"Survey of scientific personnel"

"recommend that regulatory policies
be established only after careful
study and definition of the
problem in each place"

1977

References Consulted

Bustard, H.R. (1970). Turtles and an
Iguana in Fiji. *Oryx*, vol 10: 317-22.

"4-5 species nest in Fiji - young eaten
by mongoose on major inhabited islands -
hawksbill is most common now (?)
overexploitation occurs - flaunt laws"

Witzell, W.N. (1972) The Hawksbill
Turtle (*E. imbricata*) in Western
Samoa. SPC Fisheries paper, 5: 8 Aug 72

"Hatchery started in 1971 - goal - gather information
on life history and to replenish turtle
stocks of Samoa" "Hold hatchlings for
only 4 weeks - conditioning a problem -
100-120% increase in wt. during 4 weeks. - W.
Samoa season - Oct to June. 21 Transplanted
nests - 68.4% emergence (19-93.9%)
or 74.5% fertility (21.9-95.7%)

Mariculture Section - "We experimented
with most of the local food sources, but
found nothing suitable which was cheap,
easy to obtain and good for the turtles."

quote in
report

quote in report

... contacted overseas taxidermists to start a new program of exporting 30-40cm turtles to be sold as curios. It did not take long to realize, however, that such an endeavor was unfeasible at the time. The many problems concerned with reliable water and food supplies had not been satisfactorily solved." "Ultimate goal - restocking"; Educating about turtle conservation; conservation legislation

SUNWESTnews

9990686/330

2/20/10

Field officer farewells rare friend

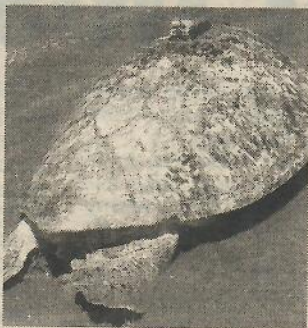
Of all the people who turned out to farewell Lady Nakalou at Wailoaloa Beach, Kolinio Musudroka was probably the most at ease.

The field officer with the World Wildlife Fund brought the turtle from Nakalou to his village in Navakasobu and was with her on the boat to Suva and on the van to Nadi.

Before that, the 105.9-centimetre green turtle spent two days and three nights in a pond he dug especially for her at the back of their house.

Their trip started last Sunday afternoon from Savusavu jetty and reached Narain Jetty in Suva on early Monday morning.

"I had to check her every



Home sweet home ... Lady Nakalou makes her way back into the welcoming Pacific Ocean

hour to see that she was all right when we left Savusavu. She slept in a tray on the truck deck," Mr Musudroka said.

"It was very hot and it

was lucky that we got through the night, which was amazing.

"Many people on the boat were from Savusavu and they were curious about what I was going to do with the turtle.

"I had to do lot of explaining to convince them that it was all part of a conservation effort."

When the ferry berthed at Narain Jetty, they were taken to Nadi immediately.

Mr Musudroka said he was grateful for the help of Nakalou and Navakasobu villagers.

"She managed to get through it to today and I'm so happy that she is free at last. Hopefully we might see her again someday."

REFERENCES TO TURTLES
SPC Technical Meetings
on Fisheries

3rd Noumea 4-13th June 1968

- Page 2 agenda item 5-
14. The meeting noted that the green turtle in particular is a valuable source of food in the Pacific, but that there is a danger of the stocks being over-exploited. It was agreed unanimously that
- * → a survey of marine turtle resources should be instituted and the
 - * → possibilities of turtle farming be investigated.

Title of agenda item 5 reads
- Survey of marine turtle resources and possibilities of turtle farming for protein and luxury export products
Appendix I
Appendix II Guidelines for Rational Utilization of Marine Turtles in the Pacific Islands by V.P. Herdreckson, Director, O. Foundation

historical working papers -

5th Noumea 10-11 August 1972

mention of turtle poisoning under Topic Fish program.

Witzell presented his hawkbill paper also in file "The Future (or fate) of the W. Samoa Turtle Project" by Witzell

Not that it should be investigated, but "possibilities of turtle farming be investigated"

6th Suva 23-27 July 1973

under Review of proposed long-term projects (1-5 year definition)

page 12. Baird introduced project on inshore fisheries development (lobster holding and collecting; recognition of beche-de-mer; molluscs; turtle farming and fish culture) -

agreed that effort should focus on lobster and turtle farming.

The meeting recommended -

- a) in view of the great importance placed upon turtle conservation and the prospective value of turtle farming, the turtle sub-project should be expanded to provide that more consultant services should be made available throughout the duration of the project to permit visits to interested territories.

Appendix III C p 44.

Turtle farming

Some considerable success has been achieved with green turtle farming in the Torres Strait and with hawksbill turtle rearing in Western

Samoa. In many territories where there is no great tradition of fishing but some considerable tradition of farming, such culture could produce satisfactory results in terms of protein and cash. The possibilities should be investigated in one or two territories.

also page 51

pages presented - "The Conservation of the Hawksbill turtle in Western Samoa" by Wayne Witzell.

7th Nuku'alofa 15-19 July 1974

page 14 Progress Reports on
SPC Special Projects
(Inshore Fisheries Development)

3. Turtle farming sub-project

a. To be carried out at
the village level

b. A volunteer is joining the project in two weeks and will proceed to the Cook Islands

c. Noted that the USP had started some research on turtles

page 18 - Recommendation NO. 8
The meeting supported the recommendations made at previous SPC Technical Meetings, on the need to conserve marine turtle stocks in the S Pacific island territories, and recommends that

NO STAFF

a.) a central bank of information on resources of marine turtles be established by the SPC at the USP and that the information be available for distribution;

b.) experimental turtle ranching or farming should be restricted to small scale operations and under the strict supervision of Fisheries Departments in the territories concerned.

Page 26 Recommendation NO. 12
(future projects)

~~Proposal b~~

It is understood that aquaculture in the Pacific

Islands can only become economic if feeds are prepared locally, the Meeting proposed that a general study be made to prepare a list of possible protein fish feeds. The food values and the various possible ways of preserving and processing by-products involved in fisheries, agriculture or other industries, should be examined in order to develop the technology of manufacturing low price artificial feeds that are easy to transport and store.

8th Noumea Oct 1975
 (Stone - chairman
 Marster - Vice-Chairman

Page 9 Experimental Fishery Projects

2. a.) SPC Turtle Farming Project
 → 20. A detailed report has been submitted by the project officer, Mr. Brandon, and the project will set up a new base in Aitutaki in the near future.

page 16 - Western Samoa

70. Turtle Hatchery Project
 This is a small project with the aim of conservation of the hawksbill turtle found around the Samoa Islands. Over the past 4 years about 10,000 hatchlings of 1-3 months have been released.

page 17 Progress Reports on
 SPC Special Projects

b) Turtles

The SPC Fisheries Adviser summarized progress on the SPC's turtle and lobster projects and the meeting noted with pleasure that Recommendation 8a of the 7th Technical meeting on Fisheries

(i.e. to form a turtle data bank) had been implemented by Dr. Raj at USP. After some discussion the meeting approved the following:
 Recommendation NO 7.

The Meeting commended SPC on the progress in studies on turtle biology and recommended that studies continue on these animals and their conservation as a valuable food and cash crop. The meeting stressed the importance of

tagging and urged both wide and effective publicity and prompt acknowledgement of receipt of returned tags.

page 19-20 - Development of Aquaculture

Recommendation NO. 8

The meeting recommended that detailed economic surveys should be carried out before any commercial scale aquaculture projects are initiated and pointed out that such surveys should include the economics of alternative use of both the land to be developed and the investment capital. Further, the meeting requested that SPC facilitate such surveys whenever possible.

page 54 - notes that report presented -
"USP-Based turtle research:
Progress Report 1974-75 Breeding
Season, by Dr. Uday Raj."

✓ Paper - USP Based Turtle Research -
Progress Report 1974-1975 Breeding Season
by RAJ

NONE FOR
Turtles

- Paper - An attempt to Grow Hawksbill
Turtles in Fish Ponds in FIJI
by N. Gunderman and D.M. Popper
Ravivavi Fish Pond Project - Fiji

SPIFDA Newsletter No. 5 (May 1972)

p21

Progress of the Marine Turtle Project -

- 1. 1971 two consultants (Hirth and Herdlickson) -
"Territorial administrations now have documentation they can use to undertake limited but effective action"
- 2. Hirth's FAO
- 3. Mass Tagging at Sicily 200 greens - March 72
- 4. Studies on green and ~~loggerhead~~ hawksbill turtles -
McVey (paper in this issue)
- 5. SPC decided to participate in the purchase of equipment, and to bear the cost of publication of the extension handbook on marine turtles in the Pacific.

p23 Copy of Tahiti law

* →

p24 Growth rates and Food Conversion in young hawksbill turtles by James McVey

"...a conservation measure."
 "...growth rates and conversion being determined to determine future possibilities of farming the hawksbill turtle."
 See his "conclusions" ← *

~ 350 grams in 6 months (14cm carapace)

SPIFDA NO. 6 (Sept 1972)

P14 "Capture of turtles tagged by
the Fisheries Service of French
Polynesia under SPIFDA auspices"
Previously tagged 67 greens on
31 March 1972 16°30S 154°40W
1 caught 28 July 1972 Fiji-Vanua Lava
1800 miles (16°49S 179°15E)
1 caught 9 Aug 1972 Vavau Islands,
Tonga.

SPIFDA NO. 10 (NOV. 1973)

P4
Turtle Farming

"In areas where nesting
turtles occur, turtle farming by
means of hatching and rearing
has been shown to be a congenial
and effective operation at the village
level, producing both protein food
and cash, while at the same time
contributing substantially to
conservation of turtles stocks.
An investigation of the feasibility of
this operation in one or two

Pacific islands is considered a well worthwhile low cost project. A reasonable successful farming operation could be used as a demonstration centre and a substantial industry could be built up in the Pacific area for turtle products. Turtles have the advantage, like Beeche-de-mer and possibly lobsters, of being able to be held in remote areas awaiting collection for processing and marketing without the need for high cost freezing equipment."

P 37 "Development of the "Turtle Project" in French Polynesia" ^{166 ♀ 130 ♂} ^{107 ♀}
 Taggings at Scilly Dec 72 Feb 73 -
 resulted in two recoveries - Fiji and Wallis.

"SPIFDA project about to terminate, timely to review progress achieved.
 353 Chelonia total tagged and released -

note NOT SPCFDH

The Pacific Commission Fisheries Newsletter
 NO12 (Sept 1974)

P57 article -

The appearance of Carapace and
 arrangement of Shields in Turtles
 Reported From Fijian Waters by Raj

** → "Dr. Raj is currently working on dietary
 requirements of both green and hawksbill
 turtles at the USP"

"at the SPC 7th Technical Meeting
 on Fisheries it was recommended (ap B)
 that a central bank of information on
 stocks of turtles in the Pacific be
 maintained by the USP. Any information
 on stocks and distribution, nesting
 beaches and seasons of nesting
 would be gratefully received by Dr. Raj."

1 "The following sketches are extracted
 from a questionnaire prepared for
 distribution to obtain information
 on turtle stocks in FIJI."

1977

Tentative
Report
Outline

Synopsis of Activities?

Circulatable section

I. Title page

Title; for whom; by trip, etc.

II. Contents?

III. Introduction and Background (fairly lengthy)

Appendices

on I was asked

use
pertinent
quotes

A. Terms of Reference

B. Selected Applicable references

other
efforts

In the beginning . . . How it all started

Previous SPC consultants - - SPC
involvement, as information available to me . . .

IV. FIJI

A. FINDINGS

B. RECOMMENDATIONS

NO/

V. COOK ISLANDS

A. FINDINGS

B. RECOMMENDATIONS

VI. CONSOLIDATIONS RECOMMENDATIONS

2/10

CAPRICORN HOTELS FIJI

CAPRICORN International HOTEL, NADI

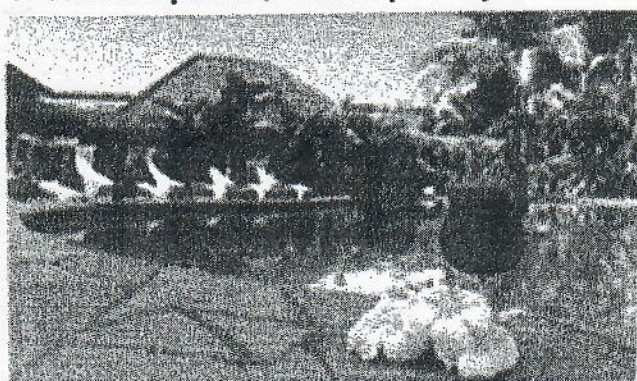
Room Category	Single / Double
Superior	F\$ 105.00
Poolside	F\$ 115.00
Deluxe	F\$ 125.00
Family Suite 2 b/room	F\$ 175.00

All rates are tax Inclusive

- * Rate include light continental Breakfast
- * 68 Air conditioned Rooms
- * Extra Bed \$20.00, Baby Cot Free
- * No Additional Charges for 2 Children under 12 sharing the same room with parents
- * Check in Time: 1.30pm, Check out time: 10.30am
- * Courtesy Airport transfers 24 hours
- * IDD Telephone
- * Sky TV & Mini Fridge & Radio
- * Tea/Coffee Making facilities
- * Private Balcony (Deluxe Rooms)
- * 24 hours Reception
- * Room Service (7.00am - 10.00pm)
- * Laundry and Dry Cleaning
- * Conference Facilities
- * Car Park
- * internet Services
- * Hair, Beauty & Massage Saloon
- * Boutique, Tour Desk
- * Multipurpose Bure
- * Pool Table
- * Restaurant & Cocktail Bar
- * Freshwater Swimming pool & Spa
- * 17 Bed Backpacker/Dormitory - \$25 per bed

NAKALOU TRANSMITTER Attachment

2010



CAPRICORN International HOTEL

Martintar, Nadi
 P. O. Box 8049, Nadi Airport, Fiji
 Phone: (679) 872 0088 Fax: (679) 872 0522
 E-mail: capricorn@connect.com.fj
 Website: www.capricornfiji.com

WHY CHOOSE SOUTH SEA CRUISES?

South Sea Cruises is Fiji's most experienced cruise operator with an extensive range of award winning day trips all with unique features. You can choose the cruise best suited to your interests but they all have a few things in common...



*Fiji Tourism Award Winner
1999, 2004, 2005, 2006 and 2007*

*Great value
and great fun!*

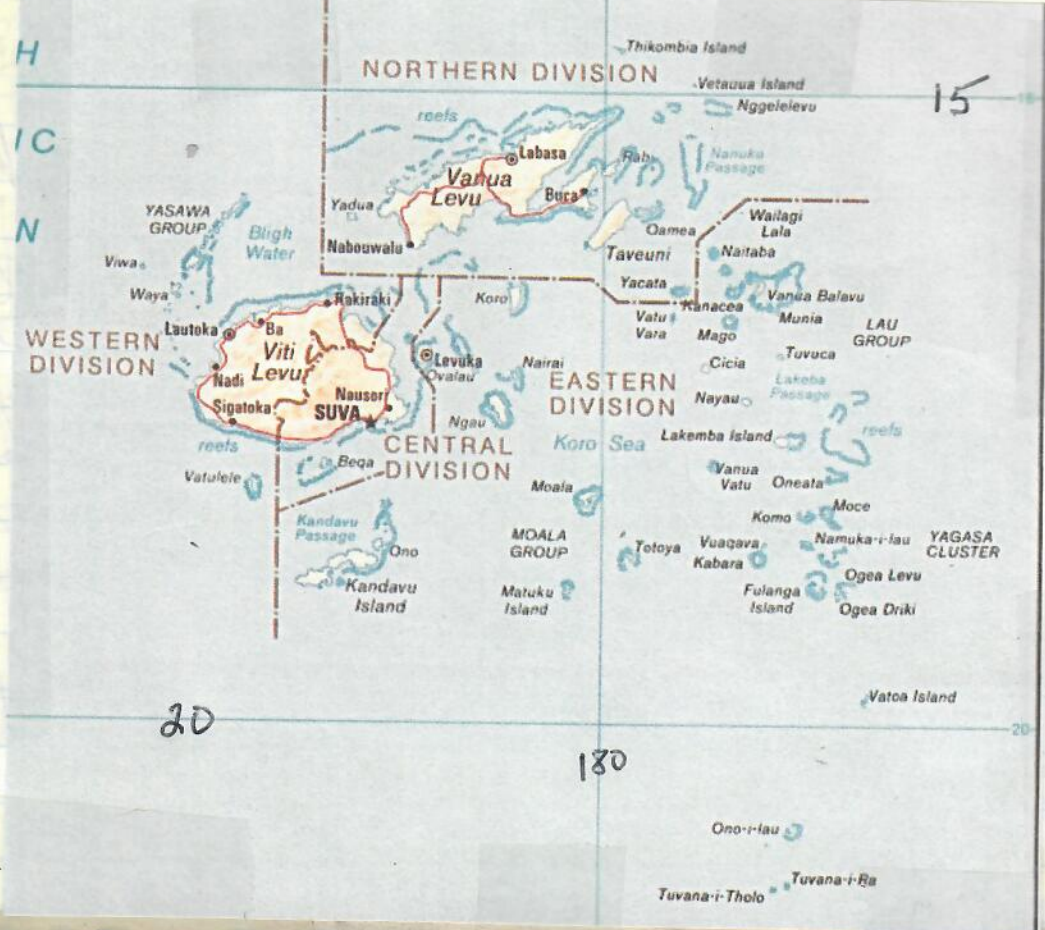
MAMANUCA ISLANDS

The Mamanuca Islands just off the coast from Denarau offer those beautiful crystal clear waters, palm fringed long sandy beaches and coral reefs that we all dream of.

There are islands, villages and fabulous resorts to visit. There is magnificent snorkelling and swimming. So on your visit to Fiji don't miss the beautiful Mamanuca Islands - take a day trip with South Sea Cruises and enjoy!

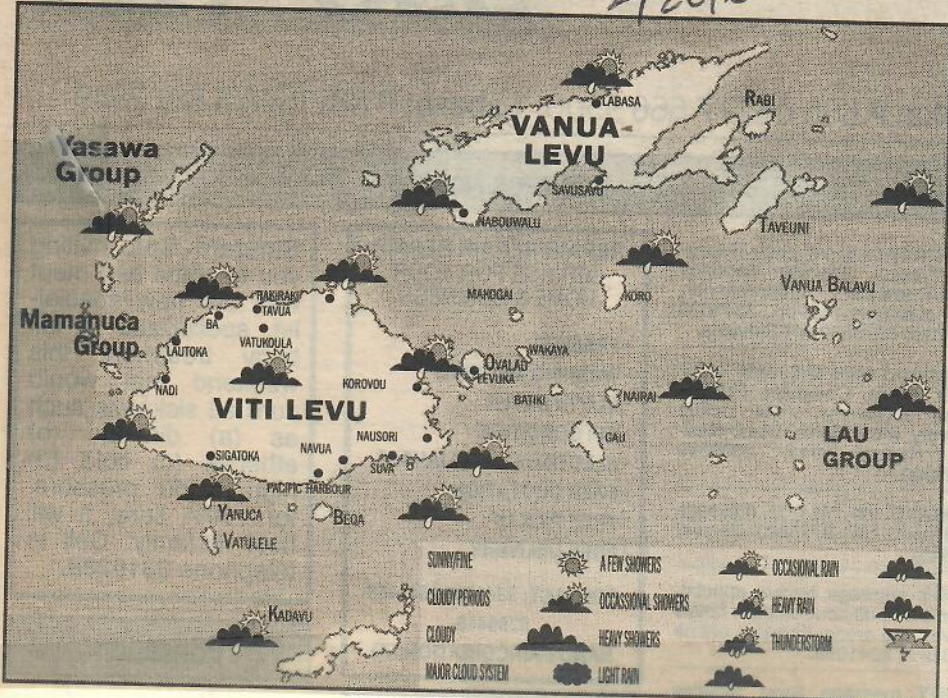
MAP OF THE MAMANUCA ISLANDS





Weatherwatch

2/2010



THE SITUATION

FORECAST: Cloudy with occasional showers and few thunderstorms about Lau and Lomaiviti groups and Kadavu. Elsewhere, fine apart from some showers, especially about the southeastern and interior parts of the larger islands. Moderate south to southeast winds over most palces, fresh and gusty over Kadavu and Lau group. **A STRONG WIND WARNING IS NOW IN FORCE FOR NORTHERN AND SOUTHERN LAU WATERS, KADAVU PASSAGE AND SOUTHWEST VITI LEVU WATERS.**

FOR NORTHERN AND SOUTHERN LAU WATERS, KADAVU PASSAGE AND SOUTHWEST VITI LEVU WATERS: South to southeast winds 20 to 25 knots and up to 30 knots at times. Rough seas. Moderate south to southeasterly swells.

MARINERS

South to southeast winds 10 to 15 knots and up to 20 knots at times. Moderate seas, rough at times. Moderate south to southeasterly swells. Further Outlook: Southeast winds up to 20 knots.

1/31/2010 Sunday
 AIR PACIFIC Flight late - Storm so had to go back to Fiji and fly some hours later
 ARRIVED Honolulu ~ 11:00 AM 1/31 - Departed Flight FJ 821 at 12:30 AM 2/1/10
 ARRIVED (due to date line) ~ 6:30 AM 2/2/10
 Dennis's nephew left some years ago & Airport talked to ROTIS/HA Richard EVANSON on island now.
 office Shuttle to Tanoa International Hotel - Checked into Room 505.
 Met Lvi Bell and Anne Trevor for breakfast, ~ 9:30 AM Session started in conference room (see p. 27).

TURTLE FE

Round

QANTAS

Carrier AIR PACIFIC

Name PALAZS/GEORGE MR

Flight FJ 821 Date 31 JAN

From HONOLULU To NADI Seat 31C

Service Information AA710C7M2

Boarding Time 2329 Gate 24

SEQ NBR 65 Class ECONOMY

◀ Insert Please be at the boarding gate well ahead of departure time qantas.com

Present T George

TURTLE SATELLITE TAGGING & DATABASE TRAINING 27

FEBRUARY 2, 2010 TUESDAY

~ 10 AM START - TANOA INTERNATIONAL HOTEL
NADI

ROUNDTABLE INTRODUCTIONS

1) George _____

VANUATU (1)

2)
3) Fiji community

TONGA (2) (GOV ENVIRONMENT)

4) Fiji community

5) PETER (PITA)

6) _____ ♀

7) ANNE TREVOR

8) RENINA SOLOMONA WWF marine species coordinator, WWF Fiji (Fisheries Dept.)

9)
10) NEMANAND ♀

Fiji
TUVALU (3)
KIRIBATI (4)

11)
12) Assistant biodiversity officer

13) Me 14) Lui Bell

Presentation by Lui Bell - History of SPREP SAT. TAGS.
Then Country Statements

George - VANUATU (WSB) NGO - WAN Smolbag started 1995
400 volunteer monitors across country 80% country

Community-based

National Sea Turtle Regs - BANS everything
but Director of Fisheries permits for
taking of turtles for traditional
educational and research purposes

Challenges -

- Limited awareness of laws + enforcement
 - Transport costs - scattered islands
 - Sea level rise on nesting beaches
- "IBAL CONTROL"

need: Sea turtle postage stamp web site
to everyone.

NADI'S PREMIER CAFÉ AT NADI'S PREMIER AIRPORT HOTEL

Featuring beans from Velluto Nero - Sydney's Award Winning Coffee Couture Shop



Tanoa International Hotel, Votualevu Road, Nadi
PO Box 9203, Nadi Airport, Fiji Islands
Phone: (679) 672 0277 - Fax: (679) 672 0191
E: tanoa@tanoahotels.com.fj

not sure of Amelia E. Whart - search for wreckage ←
at TURAKU Islands =

Number of people other than Fijians - 30-50
each island (expected check needed). Says there
are many turtles there - nesting

2/2/20
Tuesd

TONGA
next

Fiji
NEXT

next
TONGA

11 next
ISLAND

15 fr
next
Fiji

Fiji

Fiji M

Vanuatu
2/2/2010 Tuesday George
"They want to continue having turtles for traditional use,"

TONGA
NEXT: Is there a perception of decline?

Marine Turtles in Tonga

Ministry of Environment and Climate Change (MECC)
4 species - hawksbill, green, leatherback, Loggerhead
Very hard to control - "Find turtle is like finding some gold" (dive)

"A TRADITIONAL DELICACY"

HAPA Group - "But didn't find any."

Fiji
NEXT:

Fiji NEEMA NANO
A Brief of Fiji Sea Turtles
2006 - Year of the Sea Turtle

"2 years before moratorium to expire
Fiji Sea Turtle Recovery Plan" - endorsed by gov.
Sea Turtle Steering Committee - AISOKE CHAIRMAN

"Vanaka" = Thank you.

next
→ TOVALU:

He's here to build capacity. TOVALU in great need of assistance.
NGO local people UNDP funding coming from

is friends with them (all local) - trouble is with governing them
NGO reports
"GET" but he
Fiji Community MAN #1 (next to TOVALU) YAGANO village

Village: NAKALOU VANUA LEVI
Fiji MAN #2 TALKED IN FIJIAN (TRANSLATED INTO ENGLISH)
used to have nesters
Village - known for turtles (green turtle for TAG from this village)

Fiji MAN #3 Island = VANUA *
workshop last year - Tagged 3 turtles.

by Lwi

Kimibat, story -

TAPANA Beach erosion:

"Old man told him caused by slaughter of turtle some years ago and it was the oceans reclaiming the blood."

Red paper -
computer challenge

2/2/10

ONE large green - ^{Prior caught far away VANUA LEVU} - captive ^{and now held} at South Seas Isl.

Just before noon - announced nesting hawkbill now caught nesting
Just after lunch - announced that hawkbill someone had "accidentally" released it

8pm - Reported to not be very active - Taken from South Seas Island to nearby resort.

Tues. Feb

AT 2pm

Country Presentations

TO T PALM S

KAWA

Fiji

CATE

→ F

ANN SP

Tues. Feb 2, 2010 ^{Caretta} (Community Presentations 31)
YADUA ISLAND IGUANA conservation CONTI

AT 2pm Hawkbill nesting at low Tide (!)

COUNTRY Presentations
Am Kiribati Representative (just
ARAWA MOIWA "MAURI - hello"
Environment and Conservation Division

33 ISLANDS
population 100,000 . nesting North TARAWA
KIRIMATI

North TARAWA - Beaches on Lagoon side
KIRIMATI - Bad news - FAD TO get there Hes not been
Goods news - Colleague there tree.

How many people? SPECIES:

~~TO REDS~~ ~~PALMYRA~~ ~~SPIRIT~~
7 green turtles tagged TARAWA - All tagging caught by fishermen
Issues - Coastal erosion - damage to nesting beach.

Harvesting of Marine Turtles - on sale
KAVIWA AUS 10. & AUS 13. BY CATCH BY NET - juvenile greens
Take from them - why bring, we need money to
Support our family.

Fiji: WWF name MEREWALESI name LAVETI

"Fiji Sea Turtle Conservation Program"

CATE Arrival of ♀ 9 years in Fiji but from Tonga
Doing thesis on Tonga turtles (at USP)

→ Fiji Monitoring in place 2009-2018

TITLE picture CARETTA

"DAN NI VONU" = Turtle Monitors

Annual Turtle Benefits Turtle Roadshow, Guest lectures
Spread educational material • MASTERS students
USP

"Protect Cultural Icon TO MAINTAIN TRADITION"
~4 (including her)

Tuesday

February 2, 2010

Need sample guilford Ave

Cui presents SPEEP overview - promote cooperation

Need pictures

* To conserve marine turtles and their habitats in keeping with traditions on Pacific Islands Peoples

Full community presentation

"Traditional Knowledge and Customary Practices" "Turtles in captivity AT MANANUCA Islands Region"

Turtles in captivity - educate visitors and locals on the

TWO ISLANDS with Turtles

Treasure Island 22 Hawksbills MANA Island 10 Hawksbills

"Kept 1-2 years (large enough to flipper tape) ... Become a very important part of the family"

NAVINI Island Resort - Hawksbills hatchlings
lots of questions - interest in captive turtles.

1230PM Break for Lunch

130pm Cui overview - satellite tracking then my presentation Species ID - simplified then sat track if Denise prepared for me. Then took out all supplies - talked about them.

Feb
Tue
as
ar
Tosi
but
Durb
Ate
better

1 USD = m/80 FJ

need Leatherback nesting Article

Need Pictures

Neema Nand.
 Dept of Fisheries → Fiji Islands
 neema.nand@fisheries.gov.fj / neema.nand@gmail.com
 P O Box ~~37~~ 3578, Nausori. Fiji Island.

Feb 2, 2010

Tuesday 2:6 pm TAXI TO nearby town

for eye droppers (2 for 6.95 FJ) I shopped along
 and zip lock plastic bags. I walked
 around town - lots of people.
 Taxi back to Taroa (4.0 FJ).

Tasted Siemrock in room - trouble starting it,
 but finally did. Silver spot 0.5 sec. magnet.

Divided up supplies into bags.
 Ate kabob Lamb at hotel restaurant. 2 Fiji
 bitter beers.



February 4, 2010 Thursday Lautoka

TIGER
Chickens Bites Restaurant
photo - GIRL on Right does HULA:

Photos

sent 4/2010

(Angela Ciri)
Lautoka
P.O Box 4257.

her friend
(Wendy.)

CHICKEN BITES

21 NAMOLI AVENUE, LTK.
PHONE: 6663018
TIN: 50-15278-0-0

Photos

Grand Melanesian Hotel
2/4/10 & 2/10/2010

Shalini

shalini_k04@hotmail.com

P.O. Box 7265
Lautoka
Fiji Islands

sent 4/2010
+ REMA

Photos



HEXAGON
GROUP OF HOTELS

Shalini Madhu Khan
Manageress शालिनी

THE GRAND MELANESIAN HOTEL
P.O. Box 10410, Nadi Airport, Fiji Islands
Ph: (679) 6722438 Fax: (679) 6720425 e-mail: melnesianhotl@connect.com.fj

February 3, 2010
Wednesday

Up ~ 6 AM for breakfast
and departure to Capriorn Hotel
at 7 AM. Breakfast with Lvi (buffet)
Lvi wanted start at 7 AM because the
turtle reported to be acting "weak".
But we remembered Bora Bora turtles
just laid there - wouldn't move,
didn't need restraint at le Meridien.
Apparently normal for S. Pacific island green
turtles.

Tagged on 03/02/2010. ^{Feb}

CEL-105.9

NAKALOU

CCW-94.5

VILLAGE

SPREP TAG numbers =

captured
IN THE WATER

1/28/2010

ARGOS # → 41462

FACTORY # → TELONIES 607291

4 - Dam fiberglass cloth.

905 AM

- First coat applied

Hard in 40 min 95 drops. 40 ml

second coat

1005 am finish

4 cross pieces + front
and back

1030 am

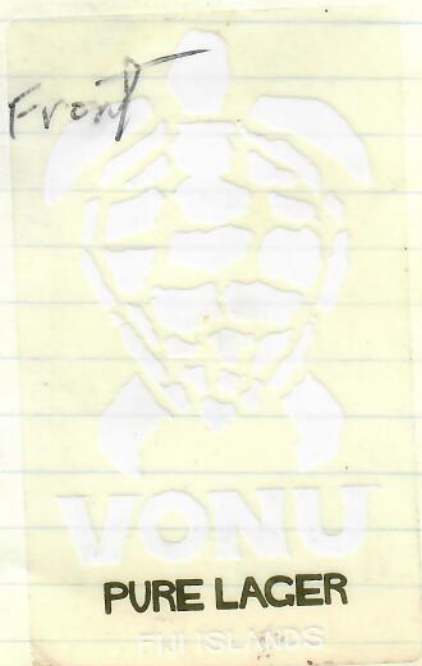
Message on Turtle =

Lady Nakalou

Fiji Island

DO NOT KILL

Contact: SPREP / WWF



2-3-10
Wed.
Photos
TAVEUNI
ISLAND
FRM

new

Sun
is pul
the p
Lom
Stree
Fiji.

6-FI

" CAN

2/5/20

2-3-2010
Wed.

Photos sent 4/2010 + Manager

37
To Page 39

SARAH - Reception
MARIA - Capricorn Hotel

Photos
TAVEUNI
Islands
Family

ELLEN STOLZ Fiji SUN ^{sent 4/2010}
Photo AT Beach during turtle release

Her grandma
was family go
back
every
CHRISTMAS

Released = 1215 pm

www.fijitimes.com.fj



newsroom@fijisun.com.fj

WAILOLOA Beach
("Dark waters")
means



<p>Sun (Fiji) News Limited is published on behalf of the proprietors by Peter Lomas c/- 12 Amra Street, Walu Bay, Suva, Fiji.</p>	<p>Editor: Leone Cabenatabua Mobile 9990730 leonec@fijisun.com.fj</p> <p>General Manager Ahara Khan Mobile: 9990637</p>	<p>aharak@fijisun.com.fj</p> <p>SUVA OFFICE 12 Amra Street, Walu Bay PHONE 3307 555 FAX 3311 455 fjjsun@fijisun.com.fj</p>	<p>SUVA SALES 18 Waimanu Road, Suva PHONE 3309 134 FAX 3309 130</p> <p>NADI CJP building Queens Road, Namotomoto</p>
---	---	--	--

6 - FIJI SUN - THURSDAY - FEBRUARY 4, 2010

" CRIME-FREE week "

2/5/2010 Sun Melanesian Hotel - Breakfast + Reviewed Lui
"Marine Turtles" Standed by time
Samoa Tsunami

1977

Need

1. Note pad, yellow pad
2. ^{high #} Tools, pliers
3. Film
4. Transparencies
5. Publications (mine)
6. Sunglasses
7. Cook Is. book
8. check "RAMJEEP" - Tortoise shell imports

informed that it is
A huge jewelry store
in SOVA

TANOA
HOTEL

JACKS TANOA
↙

MAKECESI BOGITINI
"BRIGHT MOON" sent 4/2010

TANOVA HOTELS
VOTUALEVU ROAD NADI
PO Box 9203
NADI AIRPORT
(679) 672-0277

need photo 2/3/2010 w/ ARTICLE
↙

shop photo 2/5/2010
Keshini Lata
P.O. Box 10119
NADI AIRPORT
w/ image of
HINDU
ELEPHANT

MAKECESI BOGITINI

SFRE
TAGGIN

- Fibre
- 1x
- 1x
- 1x
- 1x
- 8x
- 4x
- SC
- ra
- 10
- 6
- 1x
- 1x
- 8
- 1

- * R
- G
- G
- G
- G
- G
- G

SPREP FEBRUARY 3, 2010 NADI
FIJI

39

TAGGING KIT DISTRIBUTION - 03 FEB 2010 - NADI FIJI ISLANDS.

(LOBBY of TANDA HOTEL

Colored BAGS for each
of 5 participants -

- Fibreglass strips (narrow & wide)
- 1 x castro cigar
- 1 x cardboard piece of paper
- 1 x scissors
- 1 x tool & wrap
- 8 x pairs latex gloves
- 4 x cups mixing (plastic) + 4 x paper cups
- scrubber pad
- razor blade
- 10 x mixing sticks
- 6 strips sandpaper
- 1 x eyedropper
- 1 x piece wood block to demo fibreglass strips application.
- 8 x brushes
- 1 x 50:50 kit

1. TARAWA, KIRIBATI
2. TUVALU (FUNAFUTI)
3. TONGA
4. VANUATU
5. FIJI

* Record of kits & tag distributed

G Tuvalu - 19591 : Solomon

G Vanuatu - 40469 : George Petro.

G Kiribati - 41422 : Arawaia

G Tonga - 40477 : Samuela

G Fiji - 41789 : Nema

ID code - I6 J20698

SIR
TRACK
KIWISAT 101

GOTO PAGE 114

Misc. Notes Prior to Departure 1977

1. Hotel Isa Lei - P.O. Box 1351 SUVA

CABLE: TURTLE, SUVA.

Got 2. SUVA newspaper for Brad Peebles.

3. PEACESAT DATES - TURTLE DISCUSSIONS

① 1. June 7, 1976 - Zoochie; Smidt (Port Morsby);
 (Brandon); ^{Jag recoveries by Dept.} Stone/Travis; Gordon McKeown?

② 2. July 8, 1976 - Bill Zoochie; Lae; Gould and James
 (Honiara); Dall (Noumea);

③ Jan → Aug 8, 1976 - Lin attended -
 note: DR. MARSHALL IN SUVA
 I MISSED.

④ 3. Sept. 5, 1976 - Gordon, Dahl; Grandperrin; (Brandon);
 Phillips (ARIA); ^{Dick} James

⑤ 4. October 10, 1976 - Zoochie; (Brandon); Mr. Bipal;
 (TARAWA); Jim Gould (Honiara)

5. NOVEMBER 14, 1976 - just me!

(May 7, 1974
 PEACESAT Discussion with Dick BAIRD
 IN NOUMEA

+ my letters.

it should
 count

it should be cautioned
*not

- 1. Considerable confusion - state of the art -
 proven techniques - successes and
 activities at other locations -
 Areas themselves have to be
 interested, have interested, capable
 people with drive, initiative and
 communicative abilities. Money alone is
 far from sufficient -

My experiences in Hawaii -

- 3. Background of Project and SPC involvement.

PEACESAT - Terminal
 Stewart KINGAN - Scientific
 officer for COOK IS.
 Gilda Benstead → SUVA
 MAURICE APTED

- 4. Check Hamilton, Gov. Documents for records
 of SPC Tech. Fish. Meetings or others

- 5. Involvement of SPC with sea turtles
 Historical perspective
 SPC consultants
 SPC recommendations

- 6. Is it biologically possible?
 Is it ecologically acceptable
 in terms of conservation?
 Is it economically feasible?
 Is it legal?

cont. 6. Given available evidence, will it be a feasible and realistic proposition within the foreseeable future?

MAJOR IDENTIFIED PROBLEMS

1. Source of eggs/young
2. Facilities for growing
3. Food/adequate nutrition with inexpensive food
4. Labor necessary
5. Security/theft
6. Disease
7. Rate of growth
8. PROFIT
9. Conservation of natural stocks
10. (General) Control over lifecycle
(CONSTRAINTS)

7. Resource Evaluation/ASSESSMENT
PREREQUISIT NEED

8. CONSULTANT'S EARLY INTERFACE WITH SPC Project

9. CONSTRUCTIVE EVALUATION

to provide information on past activities/performance and to give recommendations for future action.

10. BACKGROUND

Experimental (S) ^(ON) (in) turtle culture
in the Pacific - SPECIES INVOLVED

COUNTRIES -

1. Australia - Torres Strait
2. W. Samoa
3. Palau - Koror (TT)
4. Tuamotu
5. Tahiti
6. Solomons (?)
7. Thailand
8. Hawaii

Interest stimulated, by initiation
of Gayman operation - but
claims - statements subsequently
shown false/unwarranted.

11. CONSIDER FACILITIES AVAILABLE FOR
EXPERIMENTATION

12. CONSIDER EXPERTISE AVAILABLE FOR EXPERIMENTATION

13. Make of and use results/experiences of
other researchers/workers as a data
base in SPC funded research. Interact/
communicate with other researchers; take
advantage of the knowledge gained by
others.

FFPI

14. SPC direction for experimental turtle project should have come from previous consultants reports. SPC itself has no sea turtle expertise (culture, biology, ecology, conservation or resource management).
15. SURVIVAL IMPACT STATEMENT - (as per Carr) - includes a long range marketing plan demonstrating that activities will not adversely affect survival of wild turtles.
16. Source of turtles^{eggs} - location of nesting beaches - species involved - numbers present - availability of wild eggs/turtles to draw upon for experimentation; existing knowledge in Cook Islands and Fiji.
17. Contact with Fisheries Departments: their wishes in matter; exchange of information, ideas and expertise. Were they asked if they wanted it?
18. Was "turtle culture" ever intended for implementation in FIJI?
19. Is it realistic to assume that (industry) culture can be developed into a biologically, economically and acceptable industry in the near future? Is it desirable?

CONSERV
SIC

1977

Depart
HONO 2/21 45
Monday

20. Any "special project" in a developing or developed area needs individuals who are dedicated, motivated, knowledgeable ^{HAS TIME} to personally guide the endeavor ^{Physical/steering} to success (or whatever end point is indicated by the results).
21. What was annual budget for each location? 1975? - 1976?
22. What communication flow (specifically telephone, PEACESAT, letter) has taken place by month, year, between FIJI and COOK ISLANDS? Between Fisheries Departments on project? Between outside Universities, other turtle farms (Tones Strait), information sources?
23. Specific support to Dr. Raj by UNDP NO
24. Can letter of Feb 20, 1976
"By logic no farming enterprise should be endorsed until it had provided a Survival Impact Statement, a carefully worked out, quantitatively predictive analysis showing that its operations would neither (1) reduce natural populations, nor (2) increase demand for products derived from them."

CONSERVATION
SIDE

46 Tuesday cab Mike 26139

2/22 ARRIVE Suva AM Tuesday

25. Specific Proposal for Funding -
Standard academic research procedure
in all cases. - shouldn't have to go begging

ARRIVE - 1-420 = 18.61 BUS .50 for researchers.

2/22 - read in tourist newspapers -

Tuesday
FIJI DATE

Dr. Philip Thompson - Managing
Director of Fiji Bio-Marine Company's
aquarium in Matua Street, Waiy Bay,
also turtles at Dolphin IS. facility.

APPARENTLY
NOT ANYMORE

26. Utilize fully existing resources/facilities
in experiments here.

27. Natural Disasters

28. GOPRA MEAL/FISH MEAL

29. Prerequisite - Resource assessment
as in Solomons. Reinitiate Project
with new focus.

2/22 Bus from Suva airport to Suva
Checked in at Grand Pacific - Walked
around town - saw Joe and Lin

30. Do Native people want such a
project? are they interested - give
example of expression of interest.

even if
econ and
Bio worked
out
DON'T REALIZE
INVOLVED - WORK

31. Hirth - "... any turtle scheme in the
South Pacific must operate in close
harmony with local customs" (and people?)
(and fisheries Department?)

1977

LIN - Joe stay at
economist INN

2/22

47

Tuesday

32. Detailed economic surveys

33. Erroneous inferences from
references - inaccurate information
stated. Not all sides of story/
research presented.

34. No contact on 5 Peaceats.

35. Wants to set up breeding center.
Visited Stone 2/22 2:15 - 5 PM

36. R. Stone questions -

1. What does he know about project?
2. Has he been consulted; received reports/results of work?
3. Request for assistance?
4. Does he want it? FIJI want it?
5. What is his professional opinion?
6. Handbook on turtles presently in prep?
- * → 7. Village level survey questionnaire given to fishery department?

* → 8. Dolphin Island

① Didn't admit much - initiated while he was gone -
by Hubert Squires. Turtles were in tanks - no one would
come to take care of them - died so he released them all.

② NO ③ no, but if asked he could locate greens ④ NO, NO

⑤ foolish - if Cayman can't, why should we ⑥ no nothing - hopes
it isn't junk

48 2/22
Tuesday.

JUVA
2/22
Tuesday

37. How big of an industry is ^{cash} turtle ^{will} now in FIJI? Turtles sacred to Indians? FIJIANS? Chinese?
38. Reconstitute Project (cost?) Redirect
39. Capable of conducting such research?
40. Report to contain comprehensive select list of references (include copos?)
41. NINTH Technical Meeting Fisheries (recommendations) are sound-wise.
42. Halt should have been made after report of 8th Meeting
- * → 43. Get copies of all reports etc. from RAJ. also ask funding levels by year
44. Breeding colony at Vuagava Lake?
45. Mrs. Vander Meer, Biillustrator, Turtle Manual should be issued unless carefully reviewed by many
46. Unrealistic promises - see RA 8th RAJ report.
47. Jorger Brandon report that dam missing?
48. Key - no communication between RAJ - Brandon
- * → 49. TAG ^{returns} 1 from Tahiti

JVA

call DAVE EVANS - DIVE SCUBA

49

2/22

Tuesday

Talk with Stone - appointment set up with Harry Sperling, UNDP, 3 PM - 2/23 Williams and Gosline building.

- at his office met Nicholas Corff - Seattle
stone If you are going to do project of this nature - do it right. What is applicable now, may not be tomorrow.

- charts of FIJI on his wall were aeronautical

- Stone knows of Raj refusal to respond to Brandon - Stone had to end up sending Brandon pump, generator, violet -

- Stone agreed that dedicated person couple needed to survey FIJI turtles 3 years with outside support.

If they have money for fuel/crew - vessel I would be at their disposal.

- Stone asked Gordon Elliott ^{exploratory} on a fishing boat about turtles seen - YAGASA LEVU to N.F. (LAV Group) • Cakau Levu - 10 miles East of Namuka, 2 miles NE of YAGASA LEVU. a Sand Coy - 60 turtles (greens) all sizes - no fear tame - 7 taken. DAVE - MARCH no nesting -

(Australian Food Dist. Pty Ltd., 726 Harris St. Broadway, Sydney NSW Australia 2007 "Chart of edible molluscs, crustaceans, etc.

lots of boobies nest on Island he stayed on -
w/HIRTH

50 2/22 Tuesday
SUVA

50. Where else do greys nest in FIJI?
check Stone-Bustard-HIRTH spots.

51. Turtle negs of FIJI - Comment about
VATDA ^{with} ~~all~~ ^{collected} ~~by~~ ^{people}

2/22 52. Invented the wheel over again.

talk
with Stone

When first asked what he knew about project, she described how Marsters had volunteered land in Cook's for "farm" - he was the most receptive-ambitious to get it placed in Cook Islands - therefore political decision was made by SPC to place it there - apparently without any consideration of fact that turtles are scarce. Marsters may get out of fisheries - into land (?) reform?

2/23
WEDNES

slightly E
winds

(33°C normal
yesterday)

today
29°C

~1/306

1977

2/23

51

wednesday SUVA

53. Raj - Copies of reports -
2. communication with co-investigator
3. turtle handbook -

2/23/77 1000AM Took bus to ISP - went to Registrar's office - directed to registrar room - met on the way John (?) Math teacher - he took me to proper room - went in to tell Raj I was here - He came out, hurried, said he could ^{maybe} make a small amount of time 7:30, or he would call for Friday - I said all day would be nice. ~10 turtles left Math teacher mentioned about "trouble" with turtles; ~1000-1100 turtles - 11 rotations represented, Fiji foots ~80% Bill.

slightly E winds -

(33°C no rain yesterday)

today 29°C 11 AM

~1308M Took bus back to town, and then out to Trade Winds - SCUBA HIRE - talked to "Charlie", Dave Evans not in; took bus to Orchid Island - Saw 4 hawksbills - photos - size ~ 2-13 1/4" 1-16" 1-20" pond cement - about 1 1/2' deep x 25' diameter with island - turtles in shade under bridge - look good - attracted to me. Fijian said that were 9 - 5 died. Back to Dave Evans - He said that about 1 out of 4 dives they seen turtle - favorite dive

52 2/23 Wednesday
SUVA

spots on his map. Talked about ^{Tiger} sharks -
gave him my Broton paper, told me of butchery
on Yuna Taveuni run by Adrian Yaste - sharks
Tiger eat scraps - but were previously there 1929.
Told of birds, ^{many} hermit crabs, turtles
nesting at Nuku Basaga and Nuku Balata.
Said there are 3 kinds of turtles -
Green back; Brown back; hawksbill, leatherback
(never seen). He will show me photos
of birds, turtles etc.

5 PM

3:00 PM → Visited Harry Sperling U.N.D.P. at 3 PM -
He doesn't know much about project - knows
Brandon well; Doesn't think (or at least
has heard that) Raj has done anything.
He was with Shomera in 1954-1957
at FFS - picture of him riding turtle.
Said that Guy Motha SRE program
director is here. Foods in Cooks
small; much disease when he first saw them.
→ UNDP has supported stipend for
Teopotai Paitai for Turtle Management
at Thursday Island; started 28 January;
also had one for ~~the~~ shell
management.

Saw Book - "Natural Conservation in the Pacific"
ed by COSTAN and Groves 1973

1977

2/23 WED
SUVA

53

53. Inconsistent; Contradictory information put out in his writings.
54. Sat. ^{FEB.} January 19 FIJ Times article.
55. Seek out factual, comprehensive information. Look to several sources, before funding project.

5PM

Meeting with Guy ^{Dr.} Motha, Program Director, SPC, in hotel lobby.

SPC is reexamining all of their projects; he has been on the job for 2 1/2 months (they have ~31 Advisers) Thinks highly of Grandperrin. Knows something of turtle project.

Cook Island involvement was caught between two prime ^{NO} Ministers - one a ^{perhaps} conservationist; one prot. Move of facilities to Aitutaki has been frozen at this time.

He will notify travel offices to allow ticket alteration; also will send me amount of money spent. He believes RAJ received about \$7000 last year; Brandon \$9000 (includes a very small salary for him).

A Dr. Marshall from the University of Rhode Island has been visiting USP to set up Marine Program (?).

54 2/23 Wed
Suva

2/23
~6PM

Visited library - talked to Edward ^{DAVID} (Lotuman), he knows Marietta; Nancy librarian - kope - swaked turtle - They don't like to watch turtles being killed - already dead when brought to market. Island of Taveuni has a prohibition on eating killing shark.

after dinner, met and had a drink with UN Advisory Program MAX Barton - Statistician - tel 27497 SUVA Box 694. He told about soaped burial island near Port Moresby that had nesting turtles. also that Prime minister of Cooks is Sir Albert Henry - his Grandson Howard raised hell at SPC meeting last year about projects in Cooks. Suggested that I have talk with Surveyor Max Bergin - old timer in Cook Islands

RECO

RECO

FRI 2/23

1977

SVVA 55

56. Follow-up contact by Consultant after departure

57. Contact with other similar on-going research

58. Raj ^{AS per Motha} spent two weeks in Rarotonga?
_{Recommend report should have been written}

59. Turtle Questionnaire (as well as handbook)?

RECO → 60. No biological justification for continuation

RECO → 61. Move along the lines of pure research rather than applied so its to be of value to SPC

62. Contact as needed with me

63. Confusion exists on ID of turtles

64. Involved in too many things

65. Chicken ^{Goats} as a food supplement
_{protein - one of goals - terrestrial plants}

66. Commend for undertaking marketing survey -
urge to complete

67. Make some distinction between pure and applied research

68. Raj's major focus is laboratory studies -

69. All released turtles should be tagged

70. Draw upon experience/knowledge of ^{as much} _{as possible}

71. Report prepared should draw upon/reference _{other work in Pacific}

FINDING

2/24 SUVA
Thursday2/24 Thursday During morning (~8AM) visited Marketplace - spoke at length with vendor
2/24 ThursP.P. CHAUDHARI

Y.G.P.O. Box 378, SUVA

He is former president of ^{curio} vendors association, for 7 years he worked to get ban on exporting raw turtle shell - only uses hawks - greens too thin - Supply comes from individuals from (in order) ① Kodava ② Lau ③ Kosa ④ Yasawa.

13 pieces = 1 turtle ~ 3 lbs -
thick can be 4 lbs.

Between Oct - March is closed season (\$200 fine?), but 5-6 pounds a month are still sold - in season - 50-60 lbs - He has turned his annual (rough) records (compiled) over to Ministry of Commerce and Industry.

He used to sell to Polynesia Cultural Center. Had shipment to S.F. confiscated. - buyer made good. He makes all his own jewelry - former PCV worked with bone.

Several whole polished shells seen on sale in market place. \$45 for green; \$75 for adult green; \$35 for subadult hawk. Vendor indicates that many large greens

#New factories
need ~ 1 lb
per day

1977

2/24
Thursday 57
SUVA2- 2/24
Thursday

are dark, but some are light. juveniles that I saw were gold. Vendor said that hawk shell was from male - green shell from female.

I called school of Natural Resources about 9:15 AM - talked to Professor White's secretary. Raj busy. I will call later this afternoon.

at 9 AM went to Tradewinds/SCUBA FIRE - out with Tui for 2 SCUBA dives - very calm water - first dive off outermost of two islands (one of which coral see takes people); Saw 2 turtles on surface as we approached area. Outer slope of reef - saw one juvenile hawksbill coming from shallower water - Tui saw one larger in same area. Second dive on outer reef down further toward SUVA proper. Saw one on surface - one underwater - cleaner water, lots of coral. Tui speared many small fish on each dive. Told of island short distance down that had natives that were active net turtle fishermen; set across "channels" to outer reef, or beside "2nd" island closer to shore. on both dives I saw a great deal of Laurencia (guess). also collected

58 2/24 SUVA
Thursday

2/24 "grass" from shallow sand area in
Thursday Bay. Also bright green bird floating
named in FIJIAN - ¹⁹¹⁹ LUMI - eaten
by Fijians - Syringodium is VUTIA
(not human food) - both are eaten by
turtles.

2/24
Thurs

4:05 PM Met for 25 minutes with Professor White,
head of School of Natural Resources. He
will leave in 1 month; been there 5 years;
School (USP) opened in 1969. Raj is assistant
head of School - Native Born - therefore
popular for involvement (Committees, etc.);
White has been trying to encourage
research; Didn't previously know about
newspaper article; Raj told him he was
misquoted; White knew very little, if
anything about what was going on -
amount received, how spent, reports written;
In beginning (1974?) there were 6 research
projects - bled down rapidly to two -
SPC has put money in but amount
unknown; First batch Raj had very
low hatch - discouraged - second, good;
"near 100%"; later care of turtles a
problem - all got sick - fungus.
White said Raj said SPC wanted him to
get into field assessment.
I met briefly with Canadian ^{that's only been there} for a few months.

2/25
FRIDAY