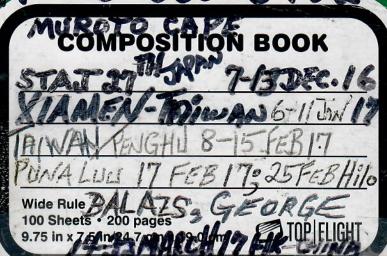
4/10/2017 7:59 AM, George Balazs - 1

For turtles 'simply' stop killing them (especially for Commerce) and 'sit back' and wait 40 years.





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1



SCHOOL	:	Taipei Teachers' Hostel M R.T.A. MAY 台北市中正區南海路15號	L:	
Period		15, NAN HAI RD. TAIPEI, TAIWAN R.O.C. TEL: (02)23419161 FAX: (02)23219378 統一編號: 19080257 http://www.tth.url.tw	tructor	Days
Period	From/To	Composition: 1 ml contain: fenticonazole nitrate 20mg. Excipients: alcohol 337mg, propylane glycol 350mg, purified water 1ml. Indication and dosage: See package insert. Warning: read package insert carefully before use. External use  Validity: 36 months Recordat industria Chimica Farmacoutica S.P.A. Via Civitali, 1-20148 Milano Italy The expirity date reported on the label concerns the product package intact correctly stored.	Instructor	Days
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	at quote and	d I like that fabric.		
I like th		advocating for the society, for the students, for all.	Instructor	Days

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AND RESEARCH 99 KA HONU NUI MA EAEA SEATURITESFORU! POINTLESS MEETINGS"

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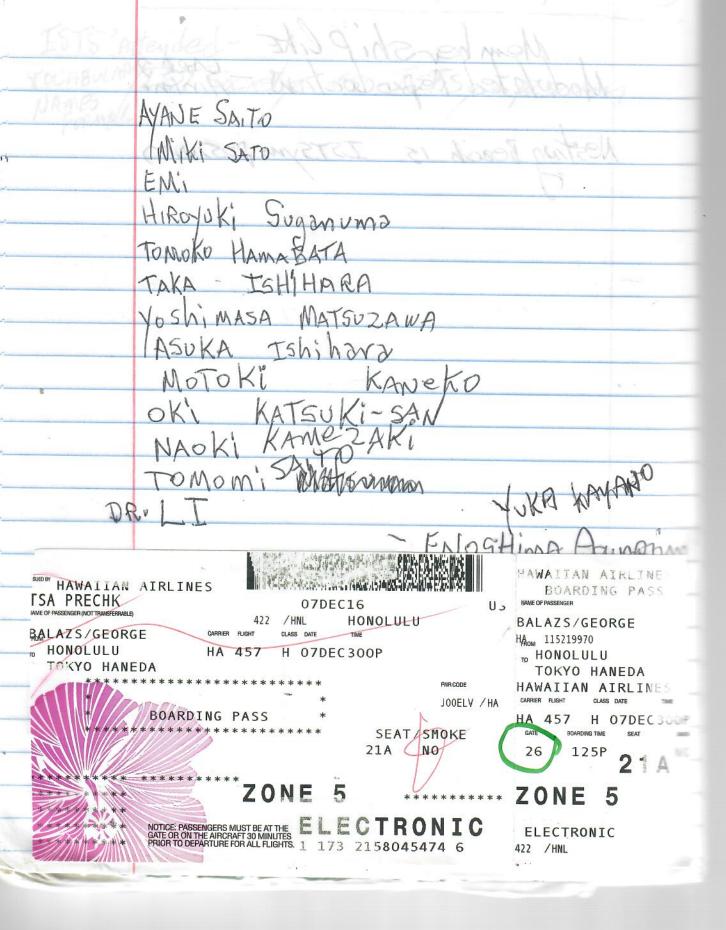
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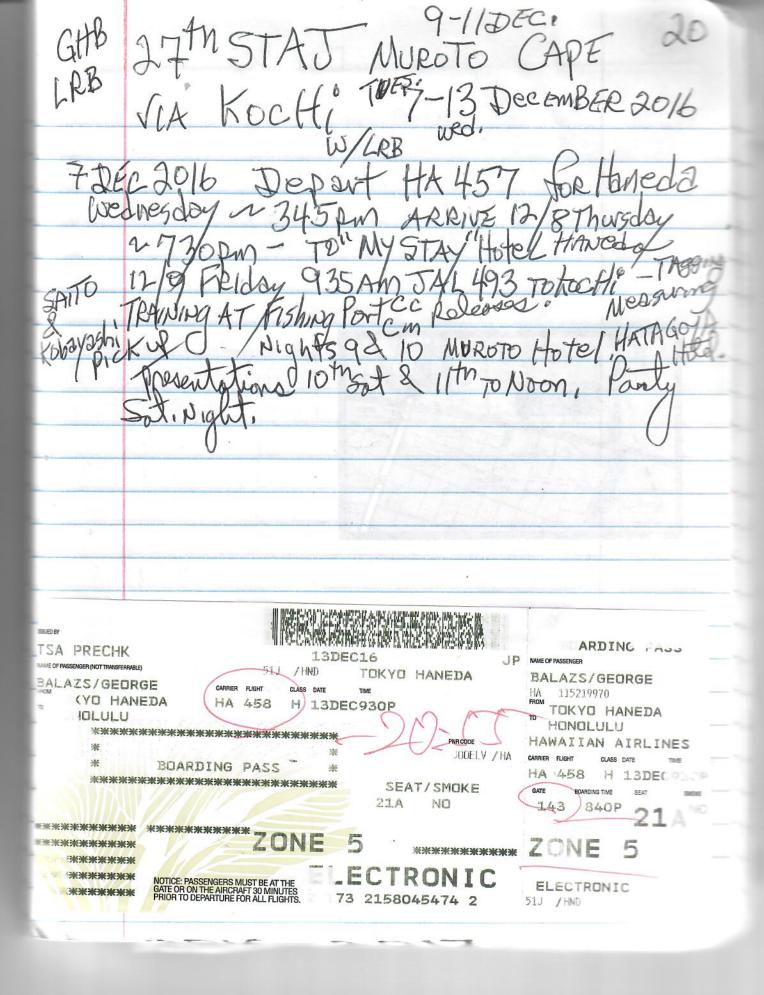
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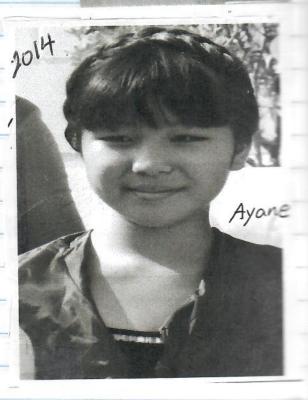
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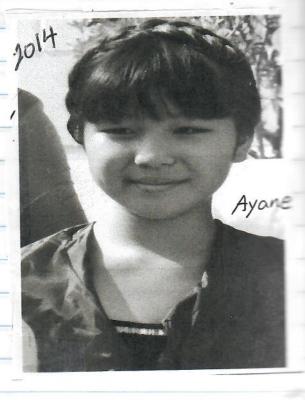
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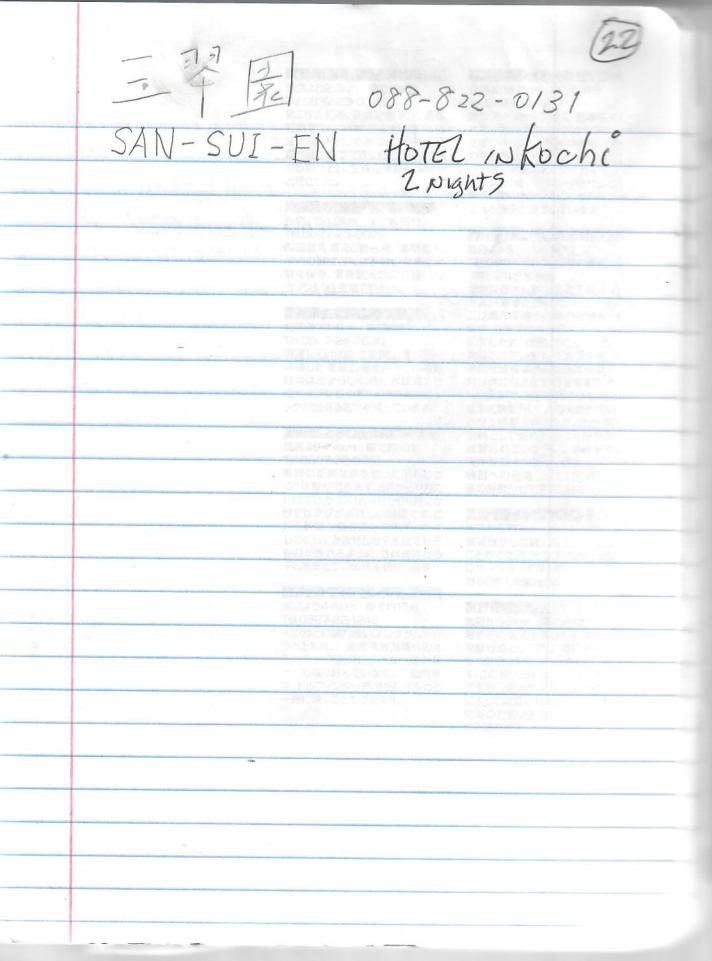
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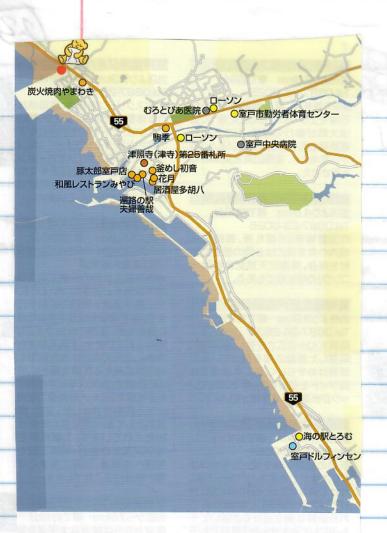
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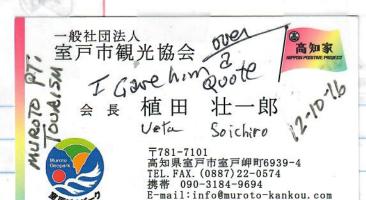
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但し、第27回日本ウミガメ会議室戸大会懇親会会費として 平成28年12月10日 正に領収いたしました。

> 第27回日本ウミガメ会議実行委員会 委員長 小松 幹侍

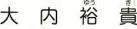




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## Andrew M. Shedlock, Ph.D.

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## University of the Ryukyus

Department of Chemistry, Biology and Marine Science Graduated School of Engineering and Science

CARD Kanako Sakumoto

> 905-0227 Sesoko 3422, Momobu, Okinawa Japan TEL.+81 90 1944 0807 MAIL. mickey.18.gana@gmail.com

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atoshilwamoto

## 室戸ウミガメ会議開幕

## あすまで関児、学生らじ匹放流

生態調査や保護活動な どを報告する「日本ウダーでシンポジウムな、地元の保育園児約別人 ミガメ会議室戸大会」どがある。 沢慶将会長)が主催し、 初日は保護されていた。ミガメが混獲されてお、法を実地研修。松沢会 ウミガメを保育園児や 大学生らが放流した。

【室戸】 ウミガメの一大会は3日間で、 2、 1日は 市保健福祉 セン

した。同市に研究拠点から「室戸基地」を置ねー」と海に向かうカ を置くNPO法人「日く。協議会によると、 本ウミガメ協議会」(松室戸市の東海岸の定置 り、漁師らと連携して 保護している。

この目は室戸師の 海の駅「とろむ」で、 がアオウミガメら匹を 協議会は2002年

放流。「頑張れー」「また メを見送った。

> 国内外の研究者や学 長らの指導でアカウミ ガメとアオウミガメ計 2匹の甲羅の大きさを 測り、追跡調査のため のタグをヒレに付けて 放流した。

小笠原諸島でウミガ メの調査に関わる東京 海洋大学2年、笠原孝 則さん(2)は「たくさ んの研究者と交流し、 知見を採めたい」と意 欲を見せていた。

松沢会長は「室戸は 日本で一番、定置網に ウミガメがかかる珍し い場所。研究者の注目 度も高い。地元の皆さ んも関心や自然への誇 りを持ってほしい」と 話している。

(無 運)



追跡調査に向けてウミガメを放流した (硎[任酬[] 富臣)

Futoshi & Shiho

yahou.

2016年(平成28年)12月10日

一十曜

拍 城 公公





## Isao KAWAZU, Ph.D.

Assistant Manager

Marine Mammal and Turtle Section

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Okayama Uiversity of Science Faculty of Biosphere Geosphere Science

Natural History Laboratory

Masahiro Nakamura

1-1 Ridaicho, Kita-ku, Okayama-shi, 700-0005

Tel: 090-2713-9775

→Mail: murashi26ke@docomo.ne.jp Masahiro6221@outlook.jp



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note sepa

Okayama University of Science Kobe Suma Aquarium

Naoki Kamezaki Ph.D.

Professor

E-mail: kamezaki-naoki@nifty.com C-phone: +81-(0)90-8938-1353

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山本明男

Akio (Yamamoto

事務局

manager

NPO 法人日本ウミガメ協議会理事 静岡県立自然公園指導員 静岡県希少野生動植物保護監視員 Japanese turlle conference Director Natural park instructor of Shizuoka Rare wild protection lifeguard of animals and plants Contactinfo NE

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The contents of these nests were as follows:

	Nest	Successful Hatches	Undeveloped	Hate Dead	chlings d / Live	Total Eggs Laid
Hatch 1	8	93	1			
Hatch 2	10	92	4	•		97
Hatch 3	12	74		2	9	94
Hatch 4	14	87	6	- 25	2	80
			3	4	. 1	94
		346	13	6	12	365

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ceivers and plani	tributed as co-lead to Anahulu River green turtle research collaboration via first dang for addition of environmental monitoring gear for river salinity, temperature and vorking Group on Fibropapillomatosis to promote research and information exchange to the Summit;	current flow;
lations with collect	ary 2017: Deploy 6K of new environmental monitoring gear and achieve second d	-
Delvers III the An	andid Niver.	

### **Protected Species Assessment Workshop**

Novel methods for abundance and trends assessment and data poor bycatch estimation for protected species January 17-19, 2017 Seattle, Washington

Title: Integrating climate projections into a population model for the Hawaiian green turtle

Authors: Summer L. Martin<sup>1</sup>, T. Todd Jones<sup>1</sup>, Jeffrey Maynard<sup>2</sup>, Shawn Murakawa<sup>1</sup>, George Balazs<sup>1</sup>

Affiliations: <sup>1</sup>PIFSC Marine Turtle Biology and Assessment Program, <sup>2</sup>Marine Applied Research Center

Presentation: oral

Climate change is a known critical knowledge gap limiting the ability of the NOAA Fisheries Science Centers and the U.S. Fish and Wildlife Service to comprehensively review the status of marine turtles listed under the Endangered Species Act (ESA). To estimate the future risk of populations falling below important biological thresholds, ESA status review teams use the best available science to conduct population viability analyses (PVAs). To date, PVAs for Pacific turtle populations have relied almost exclusively on nester abundance data and have not quantitatively included climate change impacts. However, increased temperatures may influence turtle populations through temperature-dependent sex determination and embryonic death, where temperatures above critical thresholds produce female biases and cause nest failures. Our objective here is to incorporate climate projections into a stage-based population model for the Hawaiian green turtle to explore possible impacts of warming sand temperatures on the population. Our approach includes: 1) compiling sand temperature data for East Island, Hawaii, the primary nesting site for the population, 2) using remotely-sensed data to develop sea/air and sand temperature regression models, 3) generating climate model projections of sand temperatures, 4) developing a stage-based population model of the turtle population, and 5) conducting population viability analyses inclusive of the implications of sand temperature projections on sex ratios and nest success. Results from this research will feed directly into the next status review for green turtles, and the climate integration approach can be applied to future assessments of turtle populations in the Pacific and other regions.

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Depart: 10:55 p.m. Fri., Dec. 23, 2016 Hong Kong, HK, CN (HKG)

Arrive: 5:35 a.m. +1 Day Sat., Dec. 24, 2016 Guam, GU, US (GUM) Flight Time:4 hr 40 mn

Distance: 2,117 m

Flight. UA116 Aircraft: Boeing 737-800 Fare Class: United Economy (L) Meal: Dinner

Change Planes. Connect time in Guam, GU, US (GUM) is 1 hr 40 mn.

Depart: 7:15 a.m. Sat., Dec. 24, 2016 Guam, GU, US (GUM)

Arrive: 6:25 p.m. Fri., Dec. 23, 2016 Honolulu, HI, US (HM

Flight Time: 7 hr 10 mn Travel Time: 13 hr 30 mn

Distance: 3,801 m

Total Distance: 5,918 m

Flight: UA200 Aircraft: Boeing 777-200 Fare Class: United Economy (L) Meal: Meals for Purchase No Special Meal Offered.

#### Fri., Dec. 30, 2016 Honolulu, HI, US (HNL) to Hong Kong, HK, CN (HKG)

Depart: 2:45 p.m. Fri., Dec. 30, 2016 Honolulu, HI, US (HNL)

Arrive: 6:35 p.m. +1 Day Sat., Dec. 31, 2016 Guam, GU, US (GUM)

Flight Time: 7 hr 50 mn

Distance: 3,801 m

Flight: UA201 Aircraft: Boeing 777-200

Fare Class: United Economy (L) Meal: Meals for Purchase No Special Meal Offered.

Change Planes. Connect time in Guam, GU, US (GUM) is 55 mn.

7:30 p.m. Sat., Dec. 31, 2016 Guam, GU, US (GUM)

10:35 p.m. Sat., Dec. 31, 2016 Hong Kong, HK, CN (HKG) Flight Time: 5 hr 5 mn Travel Time: 13 hr 50 mn Distance: 2,117 m

Total Distance: 5,918 m

Flight: UA159

Aircraft: Boeing 737-800 Fare Class: United Economy (L)

Meal: Dinner

#### Traveler(s)

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October 27, \*\*\*\*

Gender: Female

Frequent Flyer:

UA-\*\*\*\*476

E-mail Address: **Home Phone:** 

j\*\*\*\*\*\*\*\*\*\*n@hotmail.com

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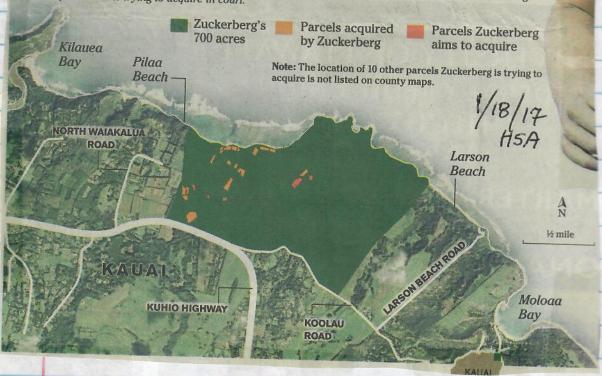
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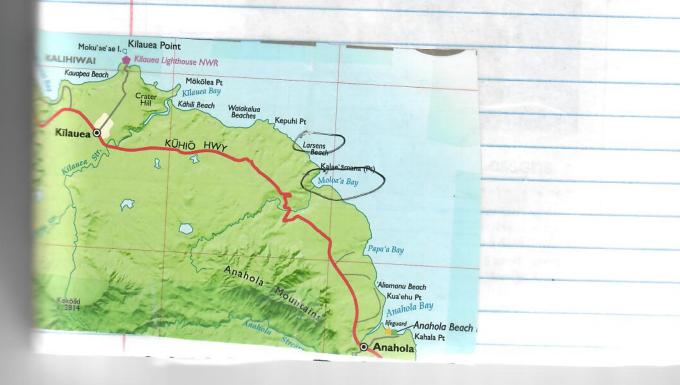




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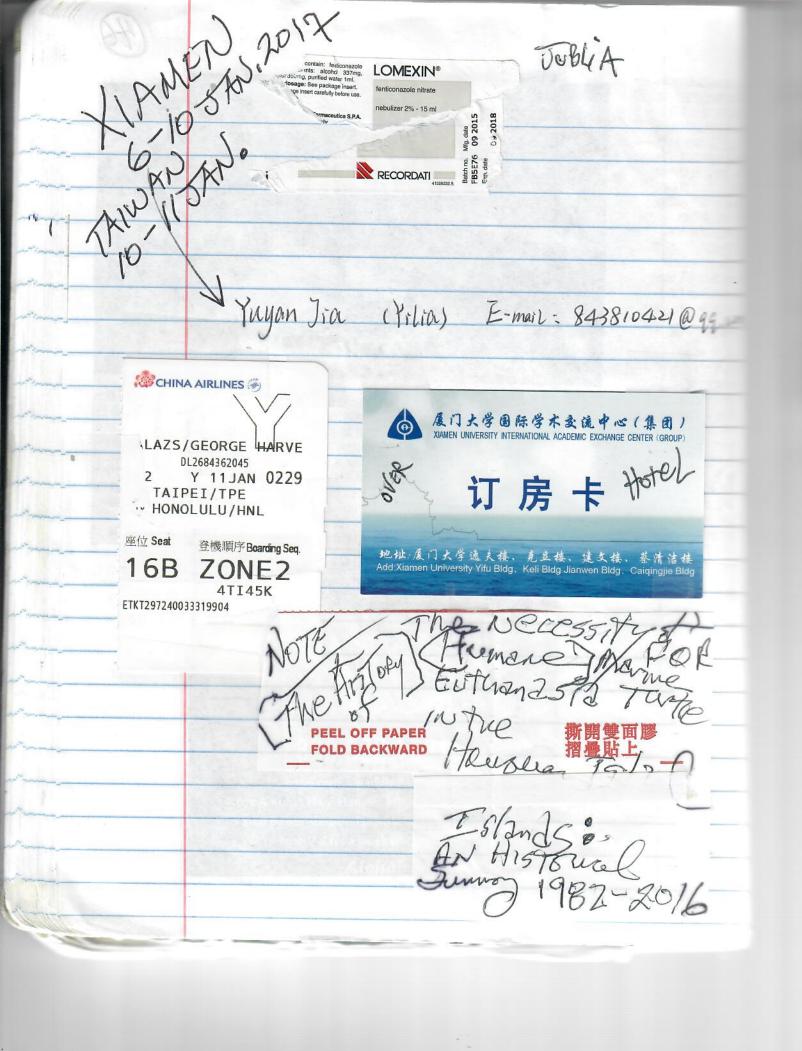
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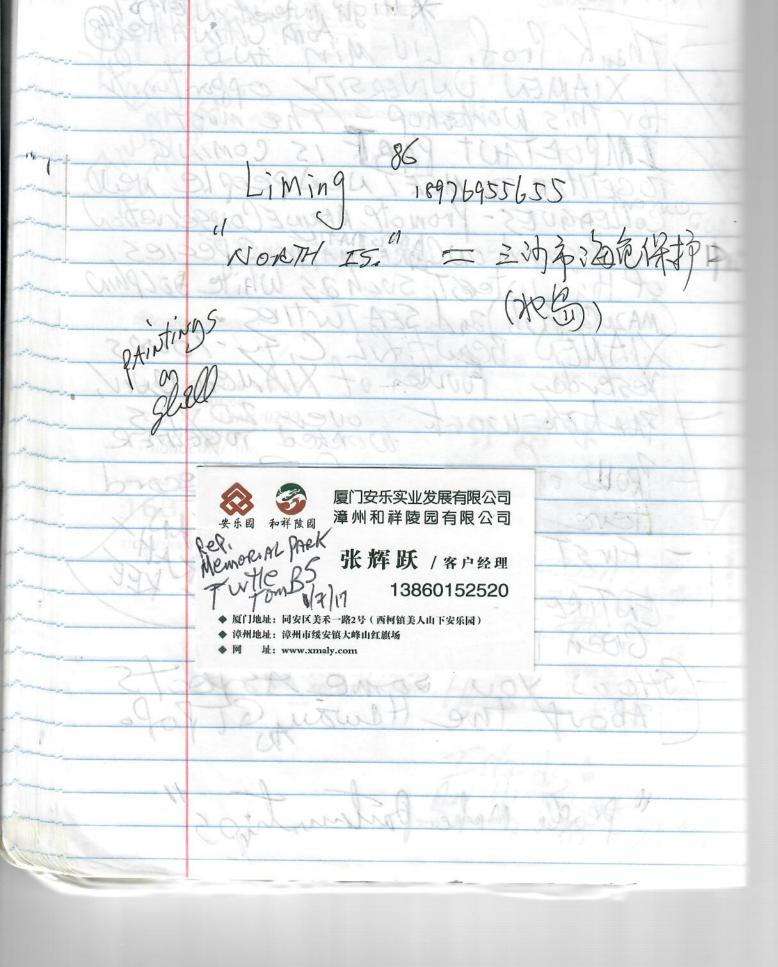
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#### ABOVEMIN Dr. Minhan DAI

Cheung Kong Professor Professor of Chemical Oceanography



Director/Chair Professor
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廖宝林

办公室主任 工程师 LIA/8 AM

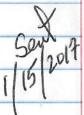
地址: 深圳市大鵬新区滨海二路海洋生物产业园 电话: 0755-28380785 邮编: 518120

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Marine Biology Institute



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DOD JANUARY 1, 1995 Name: Landon Zhong 张适应 Address: 海海南南南南山东山东区南部沿山石 南南方方 36五年 South Sun 福建有厦门市新店镇厦门大学 不会Cand. 翔安校区 张蓝蓝. Nanti DIsland Xintran Town Xiamen University Nanr? Lenlan Zhang. F-marl: 1-25545145 @ 99. com. 7el: 86-18721831172 34283381088163.60

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(36)

# 南岛传说

传说、假文很又以前, 在南岛有一个灵花的老奶玩, 世事的亲人都在台湾, 地想去插他们,但是没有是多了正年费, 图明, 地靠自己杂花编辑、可是很力和来实地心态。 有一天、赌场里、老奶奶感到很累、她来到 每次眺望台湾西泊也,生在一块看着像电壳的 石头上、全国为痕象、不会地就睡着了 当地威和, 意外发现自己来知的意. 瓦朱,她发现那块像电壳的石头卷一头沉 脑山干井老 鸟电、老鸟电被地滩 被的黑色:情感的,特地歇到了台湾

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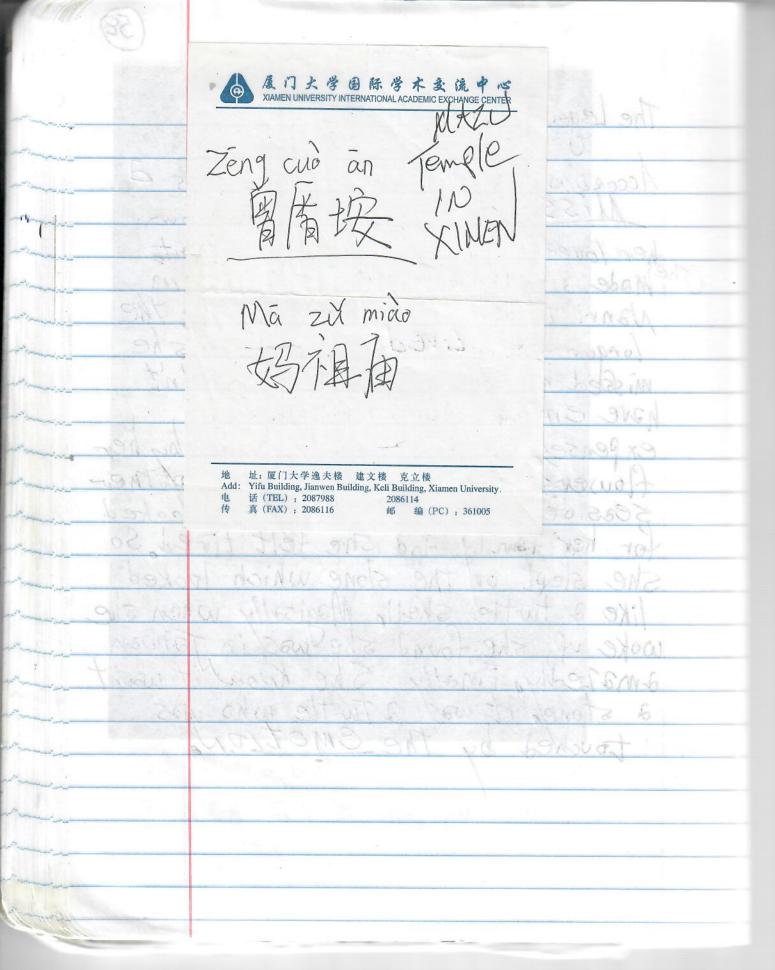
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# The Legend of Wanki Island

According TO THE LEGEND, THERE WAS & MISS who was separated from (she made a living by selling flowers in Nanri Island. As time goes by the longer she lived the more, she missed her family, but she didn't have enough money for traveling expenses because nobody came by her flowers. One day she came to the seaside where she always & looked for her family. And she felt tired so she slept on the stone which looked like a turtle shell. Magically when she woke up, she found she was in Toiwan 2mazedly Finally, She knowlit wasn't a stone it was a twitte who was toucked by the emotion



Y Corchicken



Birth day: July. 28, 1993

Name: 贾语嫣 Yuyan Jia or Yilia Jia

Address: 福建省 厦门市 翔安区 厦门大学和安校建区 国隆泉楼 B2-309.

Et Fujian Province Xiamen City

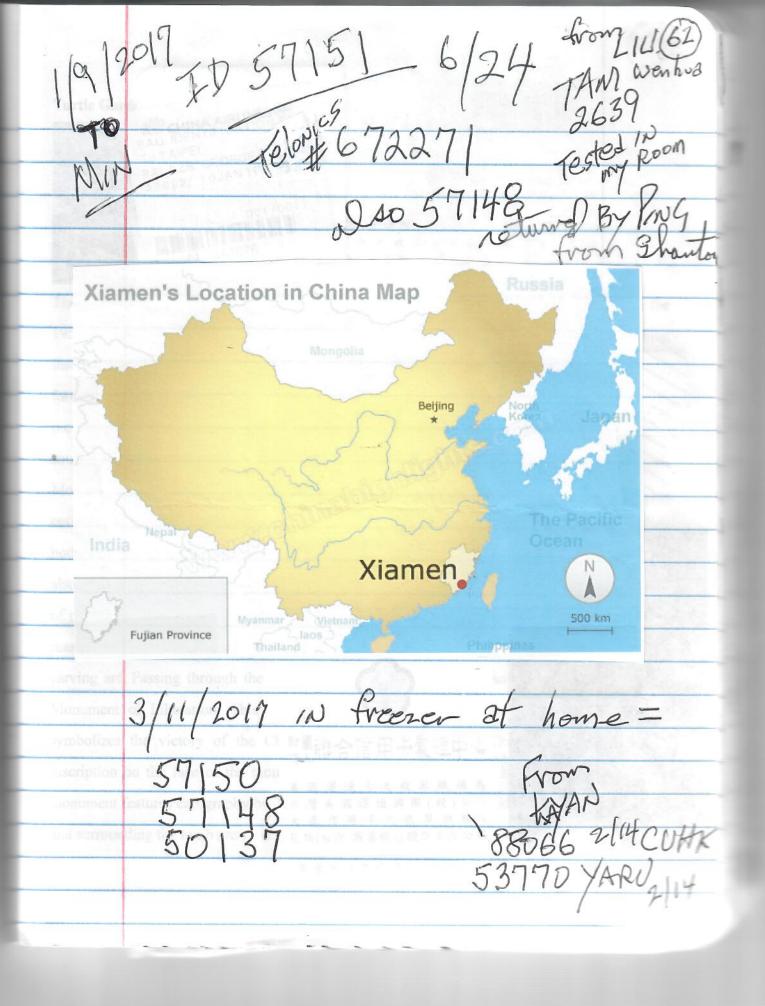
Room B=38, Zhou Long quan Building, Xiang'an Campus of Xiamen

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#### **Turtle Garden**



The Turtle Garden was designed and built under the supervision of Mr. Tan Kah-kee in the 1950s and 60s. The architecture and carvings in the garden all reflect his principle of teaching through travel and amusement, and they depict ancient and modern times both in China and foreign countries, taking in the subjects of astronomy, geography, industrial and agricultural production. It is an extensive garden and a profoundly interesting experience. Situated on the southeastern tip of Jimei Town, the Turtle Garden consists of three parts: the portico, the Monument of Liberation, and Tan's Mausoleum. The portico is a traditional Chinese style corridor of 20 meters in length, with 58 bluestone carvings of historical figures' lives studded on both sides. These carvings form the core of the total 633 stone carvings in the garden. There are also 291 carvings on the walls outside the portico, which show a variety of subjects. Many kinds of calligraphy and a charming array of couplets and inscriptions by distinguished persons and masters of these arts also grace the garden, comprising a great treasure trove of Fujian stone carving art. Passing through the portico, you approach the main building of the garden- the Monument of Liberation. This 28 meter high building was constructed from granite and symbolizes the victory of the Chinese Communist Party after 28 years of fighting. The inscription on the face of the monument was written by Chairman Mao and the back of the monument features calligraphy by Tan Kah-kee. Tan's Mausoleum is shaped like a turtle's shell and surrounding the tomb are 15 reliefs depicting scenes from Mr. Tan Kah-kee's life.

#### Participants (\*presenter)

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**Presentation 1:** Fall and rise of the Hawaiian green turtle: a 50-year witness to cultural and conservation changes

#### \*George H. Balazs

Oceania Region of the IUCN/SSC Marine Turtle Specialist Group, USA

Seven species of ocean turtles exist globally as descendants of ancient reptilian lineages that have adapted and survived for millions of years. Over the course of human history an array of relationships have developed with turtles, and especially marine turtles amongst coastal and island peoples such as in the Hawaiian Islands. Turtles are woven deeply into the cultural, traditional and contemporary fabric of humanity with uses ranging from food to fortune telling, pets to funerary. In 2012, Hawaii's green turtles, or honu (Chelonia mydas), were downlisted from Endangered to the category of Least Concern following a comprehensive assessment by the IUCN Marine Turtle Specialist Group (see http://iucnredlist.details/16285718/0). Over the past 50 years, Hawaii's honu have exhibited new behaviors and adaptations along with an increasing population and expansion into new habitats. These favorable changes have ranged from increases in terrestrial basking to feeding on new types of vegetation, to name a few as witnessed firsthand by the authors. Even more beneficial changes and acclimations can be expected in the future, including shifts in nesting to adapt to climate change, as sea turtles have successfully done with resiliency for millennia. In light of their rise to abundance, green turtles in Hawai'i constitute a unique experimental model to comprehensively understand the restoration dynamics of an increasing sea turtle population. Conservation practices in Hawai'i can serve as a real-life learning ground for people in other regions striving to save and sustainable use their own charismatic and culturally important sea turtle resources.

Presentation 2: Recent years the satellite tracking tests of China Sea Turtle Bay

#### \*Zhongrong Xia

Guangdong Huidong Sea Turtle National Nature Reserve, China

Since 2001, we have conducted 35 satellite tracking experiments and studied migratory route and life time spend of sea turtles in the South China Sea. We found that 1) both adults and juveniles of green sea turtle have similar migratory habits; 2) sea turtles can drift by sea current even though their swimming ability is not weak; 3) all the sea turtle individuals from the same nesting ground belong to the same population, and different individuals of the same population can have different migration routes, which mainly associated with their age, life habit, habitat, feeding ground and whether in the year of nesting; and 4) juveniles of green sea turtle prefer

migrate along shallow coast and their feeding grounds usually are located to the sunshine, for instance, the eastern coast of Honghai Bay, Hainan Island and Taiwan Island.

**Presentation 3:** Partnerships between managers and researchers help increase our understanding of diseases in marine ecosystems

#### \*Thierry Work

Oceania Region of the IUCN/SSC Marine Turtle Specialist Group, USA

Diseases in marine ecosystems are taking increasing visibility, particularly for certain organisms like turtles and corals. In the Caribbean, diseases of corals and echinoderms have led to severe degradation of coral reef ecosystems. Over 90% of coral reefs under US jurisdiction lie in the Pacific Ocean, highlighting the importance of understanding the factors that drive mortality of marine organisms in this region. Recent collaborative efforts between managers and scientists in federal and state agencies have shed some light on potential causes and ecology of diseases in various marine organisms such as sea turtles, corals and fishes in Hawaii and the Indo-Pacific. This partnership has also led to an approach that allows us to systematically investigate the potential causes of mortality in a variety of different marine organisms. An outline of this approach is presented along selected case studies for organisms like sea turtles, corals, and reef fishes are presented. Diseases that have been documented in Hawaii include fibropapillomatosis and parasites of sea turtles, tumors in reef fishes, and various diseases in corals.

**Presentation 4:** Argos and satellite tracking of sea turtles: pathways to bring people together for conservation

\*Denise Parker JIMAR/NMFS, USA

Over the last 30 years, the global Argos system (CLS France/NOAA USA) has supported the increasing use of satellite telemetry to map the movements of sea turtles worldwide. Small water-tight transmitters have become increasingly smaller and more accurate with the introduction of GPS technology to recent tags. Positional data are collected by these tags and the data are transmitted via sensors on polar orbiting satellites that allow positions to be calculated by ground processing stations. The accuracy of the position is dependent on the type of tag used (Argos only or GPS/Argos) and the number of transmissions received by the satellite during its transit. Satellite telemetry can be a great tool for education and to foster conservation as internet technology allows for near real time mapping of the turtle's positions and can also be used to teach children more about the world by allowing them to plot these positions themselves as they follow the turtles journey. Creating maps from satellite telemetry can also show areas that might be important to sea turtles or "hot spots" for resting and foraging which can help in conservation of the species. The international nature of sea turtle movement can also open up avenues for cooperation and collaborative research with other countries.



# **Dongshan County**

From Wikipedia, the free encyclopedia

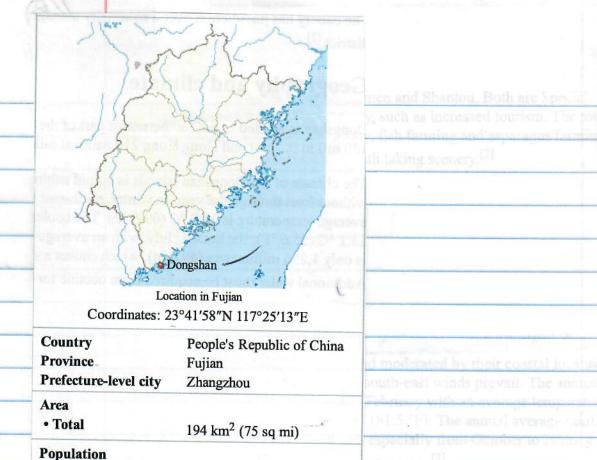
● Dongshan (simplified Chinese: 东山县; traditional Chinese: 東山縣; pinyin: Dōngshān Xiàn; Peh-ōe-jī: Tang-soan-koān) is a county of far southern Fujian Province, China, located along the Taiwan Strait. [1] It comprises 44 islands for a total area of 194 square kilometres (75 sq mi) and is under the administration of Zhangzhou City. The total population was 200,000. Dongshan County has jurisdiction over seven towns, a nationally managed forest and an economic and technological development district. [2] It is an important port for international trade and trade with Taiwan.

# History

On one of the islands, there are several ancient relics, including the 'Mountain of the Nine Immortals', and the Dongshan ancient city, where two famous Ming Dynasty generals, Qi Jiguang and Zheng Chenggong were based.

Tongling Town on Northeastern Dongshan Island has an ancient waterside castle. Tonghshan Castle was built of stone in 1387 by Zhou Dexing of the Ming Dynasty to protect against Japanese pirates. The gate tower still stands intact. Inside, a path is linked by corridors and the exquisite Temple of Guan Yu. The entrance to the temple is flanked by ancient houses, the birthplace of Huang Daozhou, an official of the Ming Dynasty.<sup>[3]</sup>

In 1950, at the end of the Chinese Civil War, the island was the scene of fighting between the nationalist Kuomintang and Chinese Communist forces, and again in 1953 during the so called Dongshan Island Campaign, an unsuccessful attempt by the nationalists to retake the island.



200,000

1,000/km<sup>2</sup> (2,700/sq mi)

· Total

Density

HMAR/DMFS 1181

# CELEBRATING LUNAR NEW YEAR

Beginning January 28, 2017, millions of people around the world will ring in the Year of the Rooster. Individuals born during the Year of the Rooster are said to be confident, loyal, and honest. They are highly motivated and very sociable, often taking pride in their accomplishments.

The rooster is the tenth of 12 zodiac animal signs associated with the Chinese lunar calendar. As the most important holiday of the year for many Asian communities, the Lunar New Year is celebrated primarily by people of Chinese, Korean, Vietnamese, Tibetan, and Mongolian heritage in many parts of the world.

In the United States and elsewhere, the occasion is marked in various ways, often with parades and parties. Vendors at outdoor markets sell flowers, toys, food, and other items for celebration. Musicians play drums to celebrate this time of renewed hope for the future, with drumsticks sometimes painted red for luck. Many families present red envelopes (hongbao), like those depicted in the stamp art, containing money to children and loved ones. People eat foods that bring good luck, such as kumquats and rice cakes, and hang festive lanterns as decoration.

The stamp design incorporates elements from the previous series of Lunar New Year stamps, including an intricate cut-paper design of a rooster and the Chinese character—drawn in grass-style calligraphy—for "rooster."

YOUTUBE https://youtu.be/DBmtw TAME IN the water Lay Still on Bottom w/people

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The mad box Close-up foroging FACIAL at Jomin ZMIN DICE conton is Night Scope 1/6 MIN eg MIN DES motivated and very sociable, often taking pride in their socomplishments



# Action Items Agreed Upon at the China/USA Sea Turtle Workshop Honolulu, Hawaii, 25-29 August 2014

In August 2014, a China/USA Sea Turtle Workshop was held in Honolulu, Hawaii for 5 days from 25-29 August. This workshop, convened under the Living Marine Resources initiative, was attended by scientists from the United States government agencies (NMFS and USGS) as well as top researchers and sea turtle conservationists from throughout the China region. This was a diverse meeting that included oral presentations by all workshop participants, a necropsy practicum where all participants got hands-on experience conducting necropsies of Hawaiian sea turtles, field outings to capture live green turtles and see basking green turtles in the wild, and a visit to Sea Life Park to see sea turtle research and husbandry facilities. After an extremely productive week, the workshop participants developed a collection of recommended next steps designed to foster additional dialogue, trust, and collaboration among all Workshop participants from across the Pacific Ocean.

Below is the list of recommendations that was developed by the team:

- (1) Implement ways of having better communication and increasing communication The more technically savvy Workshop participants suggested a smartphone application such as Wechat or Wassup that is usable on both Apple and Android platforms. There will of course be some training necessary to get all members of the team proficient in how to use these apps.
- (2) Create China/USA Sea Turtle Working Group It was agreed that the inaugural members of this Working Group would be the participants convened for the present workshop, but that the Group would be open to the addition of new members as appropriate.
- Convene again in a subsequent workshop somewhere in the China region Workshop members suggested several different options and times to hold the meeting, including holding the meeting at A) Huidong Gangkou Sea Turtle Reserve, B) Marine Biology Aquarium in Pingtung, Taiwan, C) Xiamen (during Ocean week in November 2015/2016). It was mentioned that Xiamen Municipal Government offers monetary support for these workshops during Ocean week Field trip to Nanao and Gangkou; D) In another year Hainan workshop possible support from Hainan Normal University and Sea Turtles 911's hotel partnerships.
- 4) Establish a directory with various email, phone, Wechat addresses, etc. for all participants from the current workshop Such a list is currently under development and will be sent to everyone.
- (5) Create a list of other sea turtle researchers that would be good resources for additional China/USA sea turtle efforts
- 6) Explore funding opportunities in China for more research, and material support for sea turtle work in China To do this we could potentially combine efforts with other Ocean species General marine ecosystem conservation. Integrated approach with

core day for sea turtle work. Explore funding opportunities on USA side to convene workshop.

- 7) Create a Visiting Scientist/Scholar Program For example, Jeffrey Seminoff offered to host a visiting scholar at his SWFSC laboratory in La Jolla California some time 2015 or beyond and Thierry Work supported the possibility of hosting a student exchange in USGS Field Station for a visit up to 6 months. Likewise, a visit by a US Scientist such as George Balazs to China would be welcomed, during which time he could visit various institutions of learning in China for up to 2 months. Explore possibilities for travel and housing funding to visit Professor LIU's facility for 1-3 months City University of Hong Kong and Hainan Normal University— visiting students from China.
- Promote collaborations among scientists within the China region i.e. Intra-Collaborations.
- 9) Identify pathology laboratory access and capacity within the China region Develop exchanges with Dr. Ll, DVM and other Chinese pathologists.
- 10) Explore Ocean Park Conservation Foundation Hong Kong funding for sea turbes and sea turtle workshop.
- 1) Identify key players that could help foster China region collaborations by determining what interests them: for example: Global Environmental Facility for general marine conservation (coral reef and other species). Post-Meeting Note: at a stage we will ask for ideas from the group about other key players.
  - 12) Inquire about China/USA consulate cooperation Consulate support for sea turne work in Hainan. Explore ways on how sister state relationship between Hainan and Hawaii could help sea turtle conservation.
- 13) Propose Thierry Work conduct Wildlife Health and Disease workshops Thierry conducts these worldwide possibly conduct Marine Wildlife Health and Disease Workshop for China region. The China/USA Sea Turtle Working Group strongly recommends increased collaboration and scholarly exchange on wildlife health issue within aquatic protected wildlife.
- Continue building a literature list of all China region sea turtle publications and reports. initiated by Connie NG of City University of Hong Kong.

'Working together into the future with trust and friendship to advance sea turtle research

Map showing the 9 released sea turtles as of 30.12.2016 ID 161960, no signal since 30.11.2016 ID 161959, no signal since 8.12.2016 ID 141327, no signal since green S is start point - blue points are current or last position for the 9 turtles released. 2 just southio China Sea, and last one near malaysia - near Jemaja Island (Palau Jemaja). Subject: Re: 9 confiscated turtles in HK released with sat tags (not by Connie but by someone else in her agency) They didn't state when they were released so no idea how long each tag has been transmitting. China Sea, and last one near malaysia - near Jemaja Island (Palau Jemaja). 3 tag have stopped transmitting - 161960 - E of Hainan and 141327 - at Palau Jemaja 161959 - S of Hong Kong

# 海龟保护行动计划 Sea Turtle Conservation Action Plan



# 1. 目标 Objective

基于生态系统的管理(EBM)和海洋综合管理(MMA)的理念与技术,加强海龟及 其栖息地的保护,推动海洋综合管理示范区的建设。

Based on the concept and technology for Ecosystem Based Management (EBM) and Marine Management Area (MMA), the conservation for sea turtle and its habitat are consolidated and construction of MMA demonstration sites is promoted.

## 2. 子目标 Sub-objective

# 2.1、提高海龟的科学认知 Enhancing the scientific knowledge of sea turtle

开展海龟种群、产卵场、觅食场、洄游通道,相关海洋生态系统,及其与海流、海岸理化因子、海洋温度等环境因子的基础科学研究,同时开展海龟在气候异常背景中的相关研究。

Conduct basic research for sea turtle population, spawning site, food seeking site, migration corridor, relative oceanic ecosystem and sea current, coastal physic-chemical factors, sea water temperature etc. Meanwhile, research on sea turtle in abnormal climate shall be conducted.

# 2.2、推动海洋综合管理区域的建设 Promoting the MMA construction

基于当地社区,制定保护与发展的综合管理方案,并在现有政策、法规的框架下,推动海洋综合管理区域的建设。

Based on local community, a comprehensive management plan for conservation and development shall be prepared, and construction for MMA shall be promoted under the current framework of policy and laws.

# 2.3、提高公众参与保护意识 Enhancing public participation and conservation awareness

提高公众参与海洋生物多样性保护的意识,推动社区参与海洋生物多样性的保护。

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The public awareness in oceanic biodiversity conservation shall be enhanced. Community oceanic biodiversity conservation shall be promoted.

# 2.4、区域合作交流 Regional collaboration and communication

开展海龟保育技术的区域合作和国际交流,促进海龟保护的网络建设。

Regional collaboration and international communication of sea turtle conservation technology shall be organized and sea turtle conservation networking shall be promoted.

# 3. 行动计划 Action Plans

# 3.1、提高海龟的科学认知 Enhance the scientific knowledge of sea turtle

- 3.1.1、种群调查和行为学研究,海龟的分布区、生活习性、种群、栖息地结构 (海龟产卵场、洄游路径); Conduct studies on sea turtle population and behavior, including their distribution area, life habits, population, habitats (spawning site, migration routes)
- 3.1.2 、与海龟相关海洋生态系统的研究,海流、海岸理化因子、海洋温度、海藻、珊瑚等; Conduct studies on relative coastal and oceanic ecosystems for sea turtles, including currents, coastal physic-chemical factors, water temperature, seaweeds and corals, etc.
- 3.1.3、海龟与气候变化的关系研究,尤其在气候异常背景下海龟行为的变化研究; Conduct studies on the relationship between sea turtles and climate change, especially under abnormal climatic conditions.
- 3.1.4、相关保育技术的研究,如标志放流技术、洄游定位机理、跟踪监测与捕捞技术研究; Conduct studies on sea turtle conservation technologies, such as tagging, migratory orientation mechanisms, monitoring and fishery technology;
- 3.1.5、调查、分析中国海龟目前面临的威胁,为制定海龟保护计划做准备。Conduct treats of China Sea turtle survey for making preparedness for developing a sea turtle conservation plan.

# 3.2、推动海洋综合管理区的建设 Promoting the MMA construction

3.2.1、收集中国大陆、香港、台湾等地相关海龟和海洋保护的法律、法规文件; Collect laws and regulations in mainland China, Hong Kong and Taiwan related sea turtle and marine protection

- 3.2.2、在相关法律、法规的框架下,探索海洋综合管理区域的方案; Develop MMconstruction plan under the current framework of policy and laws.
- 3.2.3、海龟分布沿岸渔民的社会经济调查,资源管理和使用方式、发展需求; Conduct social-economic survey of coastal fishermen, including resources use, management and their development needs;
- 3.2.4、海龟和社区传统文化的关系; Study the relationship between sea turtles and local traditional culture;
- 3.2.5、基于利益相关者分析,开展海洋综合管理区区划,推动海洋综合管理示范区。 建立。Conduct stakeholders analysis, develop integrated marine management plan and establish integrated marine management pilots.

# 2.3、提高公众参与保护意识 Enhancing public awareness and participation

- 2.3.1、 建立南海海龟保护的网页,出版电子刊物; Establish South China Sea's sea turtle conservation website;
- 2.3.2、参与"海龟保护年"或"海龟保护日或周"等类似活动; Participate in activities of 'sea turtle conservation year' or 'sea turtle conservation day/week';
- 2.3.3、针对中小学生开展海龟保护和海洋保护的环境教育; Carry out education of sea turtle and marine conservation in primary and secondary school;
- 2.3.4、摄制、播放电视专题节目,制作海龟保护宣传片; Film and broadcast sea turtle conservation videos;
- 2.3.5、开展多种形式的有关法律法规的宣传活动,加强视觉效果,增强娱乐性; Carry out various communication programs to promote relative sea turtle conservation laws;
  - 2.3.6、公益广告宣传; Public service advertisement;
  - 2.3.7、利用各大报纸刊登科谱文章; Publish relative articles in major newspapers;
- 2.3.8、举行渔民座谈会,宣传海龟保护法规与意义。Hold fishermen seminars to promote sea turtle conservation regulations and advocate the significance

# 2.4、区域合作交流 Regional collaboration and communication

- 2.4.1、 针对海龟保育技术,邀请不同区域的专家访问、讲学(报告); Invite experts from different regions to give report on sea turtle conservation technologies;
- 2.4.2、海龟相关区域的专家、保护工作者互访,相互参加学术交流活动; Organize experience exchanging visits among experts from different areas;



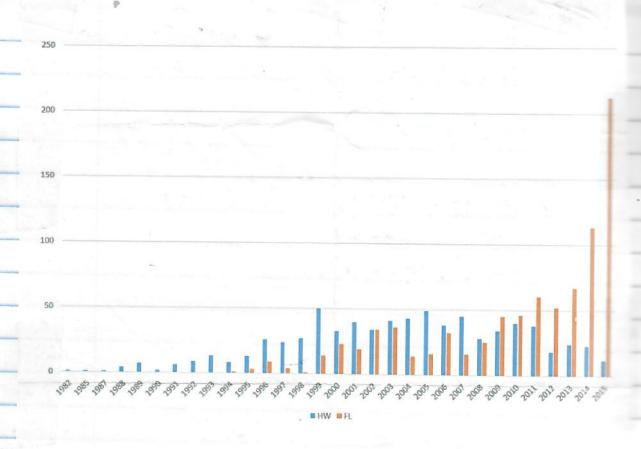
- 2.4.3、举办有关国际性学术交流活动; Organize international academic exchange activities;
- 2.4.4、加强海龟洄游地之间的区域合作; Enhance regional collaboration on the construction of sea turtle migrate corridors.

# 4. 优先工作区域 priority area

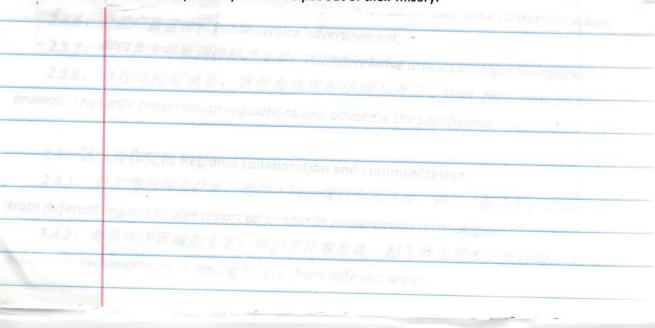
优先工作区域为: 西沙群岛。西沙群岛中永乐群岛的永兴岛,宣德群岛的东岛、七连屿诸岛等地。The priority area is Xisha island, such as Yongxing island in Yongle islands, East island in Xuande islands and Qilianyu islands etc.

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Note: FL numbers are NOT actual EU cases. They are based on <u>if</u> FL used the same criteria as Hawaii to deem a turtle an EU case, then that's how many would end up being euthanized in FL based on actual strandings/rehab cases. So it's more like a projection. Main point, there are LOTS of green turtles in FL and lots with tumors that probably should be put out of their misery.



1/25/2017 Wednoday Intlatable - Craigslist

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HKGARNIVE 1030pm 3/15 Wedne
PANDA Hotel
3/16 Thursc Night 1 TO RESERVE 8 Saturday Night 4 shorton 19 SUN day Night 6

ENAHULU NO, 65001 257941 Tie To

# TIEWAP TO JOANNE DOCK 87 Water Level Logger S/N 20029 1599

Hanging by Nylow Live from Dock deck PVC carrier Wire Tied to sipe at a depth of 13" (Low tide) Reference Water livel—

# HOBO® U24 Conductivity Logger (U24-001) Manual



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The HOBO U24 conductivity logger measures actual conductivity and temperature, and can provide specific conductance at 25°C with the HOBOware® Conductivity Assistant. These easily deployable, rugged loggers provide the data you need for monitoring water purity and the impact of pollutants in fresh water. There is an optional U2X Protective Housing accessory (HOUSING-U2X) available to protect the logger and simplify mounting in harsh environments.

#### **HOBO Conductivity Logger**

U24-001

#### Included Item:

 Communications window protective cap

#### Required Items:

- Coupler (COUPLER2-C) with USB Optic Base Station (BASE-U-4) or HOBO Waterproof Shuttle (U-DTW-1)
- HOBOware Pro 3.2 or later with the Conductivity Assistant 2.1 or later

#### accessories:

- U2X Protective Housing (HOUSING-U2X)
- Replacement communications window protective caps (U22-U24-CAP)

Thank you for choosing Onset HOBO® data loggers for your application. It is our goal to provide you with products that are easy-to-use and reliable. In the unlikely event that you have a problem with the hardware or software, please read the following information regarding support:

#### Whom do I contact?

Contact the company that you bought the loggers from: Onset Computer Corporation or an Onset Authorized Distributor.

Before calling, you can evaluate and often solve your problem if you try the following:

- Read the hardware and software manuals and the product "Tech Notes" on the Onset support site www.onsetcomp.com/support/loggers.
- 2. Write down the events that led to the problem. Have you changed anything in your computer recently?
  Are you doing anything differently?

When contacting Onset Computer Corporation, please indicate that you need Technical Support for HOBO products. Be prepared to:

- 1. Provide the model, serial, and software version numbers for the Onset data logger products.
- Provide details on the hardware and software configuration of your desktop computer including: manufacturer, model number, peripherals, and version of operating system.
- Completely describe the problem or question. The more information you provide the faster and more accurately we will be able to respond.

**Onset Technical Support** 

Phone: 1-800-LOGGERS (1-800-564-4377); or 1-508-759-9500

8:00 AM - 8:00 PM Easter Standard Time

Fax: 1-508-759-9100

Email: loggerhelp@onsetcomp.com

Web: www.onsetcomp.com

Christ Computer Corp 470 MacAntiur Blvd Bourne MA 02532 Phone: 1-800-564-4377 Fax 506-759-9100 Packages# Western Pacific Regional Fishery Management Council 1164 Bishop St Ste 1400 Honolulu HI 96813 Page: Packing Slip: CSR KR 20049726 ONSET Weight 0.00 Qty To Pack 6.000 1.000 20049725 6.000  $\Xi$ 1.000 **Oty Ordered** Ship Via Asuka Ishizaki UPS - Ground Ship To: MAIN 20049724 EA MI EA HOBO Conductivity Logger 100-55,000uS/cm 1-800-564-4377 From Warehouse: HOBO Water Level (13 ft) = U20L Series Western Pacific Regional Fishery Management Council 1164 Bishop St Ste 1400 Honolulu HI 96813 Cust PO 20049728 20049723 Asuka Ishizaki Order# Onset Computer Corporation 262753 U24-002-C 20049727 Item U20L-04 470 MacArthur Blvd. Bourne MA 02532 81725 Shipping Dept United States Order Contact: United States Line/Release From: Pack Date Bill To: SN: 1/18/2017 0.74 2

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VEMCO, A Division of AMIRIX Systems Inc. Phone: 902-450-1700 Fax: 902-450-1704

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SALESPERSON: JM1

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96813 WESTERN PACIFIC FISHERY 1164 BISHOP ST., #1400 MANAGEMENT COUNCIL HONOLULU, HI

99-0169973

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ATTN: ASUKA ISHIZAKI/808-522-8224 96813 99-0169973

F.O.B. POINT: OUR PLANT TERMS: Net 30 Days SHIP VIA: FEDEX PPD ORD BAK SHIP CURRENCY: USD YOUR REF: 3491 LINE

PRODUCT/DESCRIPTION V13-1x-069k-3 2

REFERENCE TAG

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EQUIPMENT FOR USE IN FISHERIES RESEARCH MADE IN CANADA/SHIPPER IS MANUFACTURER OCEANOGRAPHIC RESEARCH EQUIPMENT HS CODE 9015.80.10.20

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