

FRENCH FRIGATE SHOALS

JUVENILE GREEN TURTLE TAGGINGS

G. H. BALAZS

BOOK THREE

9225012

\$2.50



1942.222

TAPS  
Logged 8/92

5

\*

Dates	Tag Nos.	Measurements	Wt.	Loc/Remarks
p.80				N. TERN
7/15/78 ✓	2835 RFL ✓	C- 18 x 16 1/8		"feels thin"
	2836 LFL ✓	45.7 x 41.0 ✓		
47 months (2.5cm increase = 0.057cm/mo)		PL[G]- 14 5/8 37.1 ✓		
6/23/82 ✓	2835 ✓	TAIL- 3 3/8 8.6 ✓		
	2836 ✓	C- 48.4 x 42.9 ✓		

195

★

7

Dates	Tag nos.	Measurements	Wt. Loc/Remarks
Page 38	3010 -	S- $17\frac{7}{8}$ x $14\frac{1}{2}$	N. TERN - ACROSS FROM ANTENNAE - HEBLED HOLE - R/L
5/1/79 ✓	3011 -	45.4cm x 36.8 -	
		C- $18\frac{7}{8}$ x $16\frac{5}{8}$	
		47.9 - 42.2 -	
		PL- $14\frac{5}{8}$ 37.1 -	
		HEAD - 3 7.6 -	
		TAIL - 4 10.1 -	34½ lbs



1968/197

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9

<u>Dates</u>	<u>Tag nos.</u>	<u>Measurements</u>	<u>wt. Loc/Remarks</u>
Page 39 5/1/79 ✓	3012 LFL	S-19 x 15 1/8 48.3cm x 38.4	- N. TERN
	3013 RFL	G-20 1/8 x 18 1/4 51.1 - 46.3 -	36 1/2 lbs
		PL- 14 7/8 37.8 -	
		HEAD - 3 7.6 -	
		TAIL - 4 1/8 10.5 -	
5/7/79 ✓	3012 - 3013 -	Recaptured at same site	

201

11

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Dates	Tag Nos.	Measurements	Wt.	Loc./Remarks
p. 55				Whale State
5/6/79	3071 RFL			
	3072 LFL			
		S-16 $\frac{1}{4}$ x 12 $\frac{7}{8}$		
		41.3cm x 32.7 -		
		C-17 $\frac{1}{4}$ x 16		
		43.8 - 40.6 -		
		PL- 12 $\frac{1}{2}$ 31.7 -		
		HEAD- 2 $\frac{1}{2}$ 6.3 -	19 $\frac{1}{2}$ lbs -	
		TAIL- 3 $\frac{1}{8}$ 7.9 -		



Dates	Tag nos.	Measurements	Wt, Loc/Remarks
P.56			- Whale-Skate
5/6/79 ✓	3036 RFL	S- $18\frac{3}{8}$ x $14\frac{3}{8}$ 46.7cm x 36.5 -	
	3064 LFL	C- $19\frac{1}{2}$ x $17\frac{3}{8}$ 49.5 - 44.1 -	
		PL- $14\frac{3}{4}$ 37.4 -	
		HEAD- $2\frac{7}{8}$ 7.3 -	
		TAIL- $3\frac{1}{8}$ 7.9 -	32lbs -



Dates	Tag nos.	Measurements	Wt.	Loc./Remarks
P.57			-17½ lbs	
5/6/79 ✓	3073 RFL	S-14 <sup>5</sup> / <sub>8</sub> x 12 <sup>1</sup> / <sub>2</sub> 37.1cm x 31.8 -		-Whale-Strake
	3074 LFL	C-15 <sup>3</sup> / <sub>8</sub> x 14 <sup>1</sup> / <sub>8</sub> 39.0 - x 35.9 -		
		PL- 12 30.5 -		
		HEAD - 2 <sup>1</sup> / <sub>2</sub> 6.3 -		
		TAIL - 2 <sup>5</sup> / <sub>8</sub> 6.7 -		



204

17



Dates	Tag nos.	Measurements	Wt.	Loc./Remarks
p. 58			29½ -	
		S - 18¼ x 14¾		Whale-Steak
	3079 RFL	46.0cm x 37.8 -		
5/6/79 ✓	3080 LFL			
		C - 19 x 17¼		
		48.3 - 43.8 -		
		PL - 14¾ 34.5 -		
		HEAD - 2¾ 7.0 -		
		TAIL - 3¼ 8.2 -		



205 &amp; 216 &amp; 218

19

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Dates	Tag Nos.	Measurements	Wt.	Loc./Remarks
p. 61			2 1/2 lbs	N. TERN
5/7/79	3085 RFL 3086 LFL	S - 16 3/8 x 13 1/2 41.6 cm - 34.3 - C - 17 1/4 x 15 3/4 43.8 - 40.0 -		
16 months		PL - 13 1/8 33.3 cm - HEAD - 2 7/8 4.8 cm - TAIL - 2 3/4 7.0 cm -		
1.3 cm increase = .088 cm/mo				
9/6/80	3085 RFL 3086 LFL	S - 42.9 x 35.3 C - 45.2 x 42.0		N. TERN
18 months		PL - 34.6 - HEAD - NT TAIL - 7.6 -		
1.6 cm increase = cm/mo = .088 cm				
3-1-82	3086 L 5219 R (new)	S - 44.5 C - 46.0 "Right flipper has torn site"		Tern Captured & Measured by Bob Schulmeister



2062212

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Dates	Tag Nos.	Measurements	wt. Loc./Remarks
p. 62			22 1/2 lbs -
5/7/79 ✓	3088 ✓	S-16 1/8 x 13 3/4 40.9 - 34.9 -	- EAST - net capture - from shore -
	3089 -	C-16 7/8 x 15 5/8 42.8 - 39.7 -	- Reef
1-10		PL-13 3/8 33.9 -	
		HEAD-2 5/8 6.7 -	S-+1/4; +1/8
		TAIL-3 1/8 7.9 -	C-+1/8; +3/8
p15 6/17/79 ✓	3088 ✓	S-16 3/8 x 13 7/8 41.6 - 35.2 -	- EAST - Reef
	3089 -	C-17 x 16 40.2 - 40.6 -	
		PL-13 1/2 -1/8 34.3 -	+1/2 lbs
		TAIL-3 1/4 +1/8 8.2 -	23 lbs



<u>Dates</u>	<u>Tag nos.</u>	<u>Measurements</u>	<u>wt</u>	<u>Loc/Remarks</u>
p.6			-35lbs	
6/14/79	3113 RFL 3114 LFL	S-19 <sup>1</sup> / <sub>4</sub> x 15 <sup>1</sup> / <sub>2</sub> 48.9cm x 39.4 -		north Seawall- TERN
		C-20 <sup>3</sup> / <sub>4</sub> x 18 <sup>3</sup> / <sub>8</sub> 52.7 - 46.7 -		



Dates	Tag nos.	Measurements	wt. Loc/Remarks
P.7			-29 1/2 lbs
6/14/79 ✓	3115 RFL	S-18 1/4 x 14 5/8 46.4cm x 37.1	
	3116 LFL	C-19 1/4 x 17 1/8 48.9cm x 43.5	-NORTH -SEAWALL -TERN





<u>Dates</u>	<u>Tag nos.</u>	<u>Measurements</u>	<u>wt.</u>	<u>Loc/Remarks</u>
p.11			34lbs	
6/16/79	3125	S - $18\frac{3}{4} \times 15\frac{1}{4}$ 47.6 cm x 38.7		EAST Reef
	3126	C - $19\frac{3}{4} \times 18$ 50.2 - 45.7 - PL - 15" 38.1 -		



211 & 215 & 219 & 220 & 223 & 225

<u>Dates</u>	<u>Tag nos.</u>	<u>Measurements</u>	<u>Wt.</u>	<u>Loc/Remarks</u>
p14			25lbs	
6/17/79 ✓	3135 ✓ VL	S - 17 <sup>3</sup> / <sub>8</sub> x 14 (44.13 cm x 35.6 cm)		EAST Reef
	3136 ✓ PL	C - 18 x 16 <sup>1</sup> / <sub>4</sub> (45.7 cm x 41.3 cm)		
11 months 20 days		PL - 13 <sup>5</sup> / <sub>8</sub> (34.6 cm)		
		TARL - 3 <sup>1</sup> / <sub>2</sub> 0.9		
	<u>NO change in SL</u>			

6/7/80 ✓	3135 ✓	S - 44.2 x 35.7		Basking on SP - East IS.
& 6/17 ✓	3136 ✓	C - 46.2 x 41.6		
12 months		PL - 35.6		

3135 ✓	6/4/81 ✓	S - 45.2 x 35.9		Basking SP
3136 ✓		PL - 36.3		Healed hole in 3rd lateral left; p18

6/14/82 ✓	3135 ✓	S - 47.8 x 37.8		Basking SP by tent
	3136 ✓	C - 50.5 x 45.5		
		PL - 36.3		



<u>DATES</u>	<u>TAG NOS.</u>	<u>Measurements</u>	<u>wt.</u>	<u>Loc./Remarks</u>
6/6/83	3135, 3136	S-49.3 x 39.1 PL-39.2		EAST Reef

12 months  
1.5 cm  
OR 0.125  
cm/mo

Dates  
6/17/83

Turtle resighting from AK.

12/30/83  
1/83 EAST ISLAND, FR - BASKING

1445 [10] Juv. turtle ΔHWS RFL 3136  
LFL 3135

(C) 53.0 x 47.2

TAIL 8.5 small headed hole in 3 L. Lateral  
skin barnacles, red algae

ocular scales R: 5  
L: 4

mouth: brown coloring upper and lower palate

thin body



6/17/85 3135 LFL A15 BASK NOT MEASURED EAST IS. GAIL PIETPERSON

(Go to page 42)

7/1



<u>Dates</u>	<u>Tag nos.</u>	<u>Measurements</u>	<u>Wt.</u>	<u>Loc/Remarks</u>
<del>p. 57</del>		S-16 x 12 <sup>7</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>2</sub>	
		40.6cm x 32.7		
6/17/79	3148 LFL			-Whale-Strake
		C-16 <sup>7</sup> / <sub>8</sub> x 15 <sup>1</sup> / <sub>4</sub>		
		42.9cm x 38.7		
		PL-13 33.0		
		HEAD-2 <sup>1</sup> / <sub>2</sub> 6.3		
		TAIL-3 <sup>1</sup> / <sub>4</sub> 8.2		

7/1/91

3135, 3136

Caught by Bob Cummings along  
the shoreline in the water.  
Measured with a tape measurement.

C 59.9 cm

45.7

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 14.2 cm

12 years, 1 month



214

33

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<u>Dates</u>	<u>Tag nos.</u>	<u>Measurements</u>	<u>Wt.</u>	<u>Loc/Remarks</u>
p. 61		S - $16\frac{7}{8}$ x $13\frac{3}{4}$ 42.9 cm x 34.9 -	$25\frac{1}{2}$ lbs -	
6/27/79 ✓		C - $17\frac{3}{4}$ x $15\frac{7}{8}$ 45.1 - 40.3 -		EAST Reef
	3156 - 3159 -			
		PL - $13\frac{5}{8}$ 34.6 - HEAD - $2\frac{7}{8}$ 7.3 - TAIL - $2\frac{3}{4}$ 7.0 -		



<u>Dates</u>	<u>Tag nos.</u>	<u>Measurements</u>	<u>Wt.</u>	<u>Loc/Remarks</u>
5/6/79	3082	—	Female	TRIG - Bask
6/17/79	+3130	SL 29 <sup>1</sup> / <sub>4</sub> " x 23 (74.3 cm x 58.4 cm) PL-24" (61 cm)		TRIG -

12 months = .6 cm increase

.05 cm/month increase

6/9/80	3082, 3130	SL-74.9 cm PL-62 cm		TRIG - Bask
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<u>Dates</u>	<u>Tag nos.</u>	<u>Measurements</u>	<u>Wt</u>	<u>Loc/Remarks</u>
3517 RFL	12/18/80	C. 45.5 x 40.0	NT	east reef- foraging- C. racemosa
3518 LFL		PL - 35.8 cm		found in mouth.
		TAIL - 8.5		

221

39

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DATE

TAG NOS.

MEASUREMENTS

WT.

LOC./REMARKS

P3

6/5/82 ✓

5976 LFL

5977 2<sup>nd</sup> RS

C length -  
44.0 cm

- Temp -  
- north sea  
wall with  
- scoop net



224

41

DATES

TAG NOS.

MEASUREMENTS

LOG/REMARKS

6/5/83 ✓

7159 FL

S-44.3 x 36.8

EAST Reef

7160 FL

PL-33.7 -

42

6/17/79  
C-45.7

from  
p. 30  
July 26 1989

Mike Moser  
& Glynis Nakai  
East IS.

C-58.5 cm

3135

3136

12.8 cm increase for 10 years  
∴ 1.28 cm/YR

0.50 (1/2) inch/YR  
about another 23 years to 88 cm curved



TERN ISLAND, FFS  
13 OCTOBER '91

✓ TAGGED A BASKING JUVENILE GREEN TURTLE,  
TAGS W-967 RFL  
W-968 LFL

CARAPACE LENGTH: 53 CM

TO NOTCH: 49.5 CM (VERY DEEP NOTCH!)

LOCATION: DIESEL BEACH, TERN ISLAND  
TAGGER: JENNIFER LYNN MEGYESI

YR



## b. Hawaiian Green Sea Turtle

On 3 November 2 adult turtles were noted basking on South Beach.

During several high surf events from 21 - 23 November and then again on 30 November, 14 platter sized turtles washed over the sea-wall. All but one washed over in the same vicinity, between the 600 - 650 meter marks ( the area across from the generator and woodshop buildings). The sea-wall in this area is very eroded and large gaps have formed allowing turtles to slip over easier. The lone turtle washed over the sea-wall, down by the east end at approximately the 100 meter mark. All of the turtles appeared unharmed. They were tagged and measured prior to being released. The following table lists all turtles captured in November including tag numbers and curved and straight carapace measurements.

DATE	TAG # RFL	TAG # LFL	CCL (cm)	SCL (cm)
21 Nov. 1995	F638	F639	43.4	41
21 Nov. 1995	F640	F641	45.5	42.8
21 Nov. 1995	F642	F643	41.2	39.5
21 Nov. 1995	F644	F645	45.3	42.5
22 Nov. 1995	F646	F647	44.5	42.25
22 Nov. 1995	F648	F649	41.1	39
22 Nov. 1995	F650	F651	49.3	46.5
22 Nov. 1995	F652	F653	42.3	40.5

22 Nov. 1995	F654	F655	49.2	46.5
22 Nov. 1995	F656	F657	49	46.25
23 Nov. 1995	F658	F659	45	42.5
23 Nov. 1995	F660	F661	42.4	40.25
30 Nov. 1995	F662	F663	45.7	43.5
30 Nov. 1995	F664	F665	45.8	42.8







# TERN IS. FFS

## SEASIDE BIOPSIES

### SEAWALL TURTLES DATA

NMFS, HONOLULU LAB  
Marine Turtle Research  
2570 Dole Street  
Honolulu, HI 96822-2396

Loc.: East of Shell Beach = E; West of Shell Beach = W  
Pos.: RFL = right front flipper, LFL = left front flipper, RHF = right hind flipper, LHF = left hind flipper; NOTE: If tag is in position other than primary position, record as follows: 1/2 = between scales 1 and 2, 3/4 = between scales 3 and 4 (example: RFL - 1/2 - F803)

SEASON 1996/97

Date	Loc	Recapt (y/n)	Last capt date	Left tag (pos. - tag#)	Right tag (pos. - tag#)	CCL (cm)	SCL (cm)	Tissue (y/n)	Comments
<del>16 DEC 96</del>	<del>E</del>	<del>Y</del>		<del>RFL - 1/2 - F803</del>					
16 DEC 96	E	Y		LFL F-447	RFL F946	44.7	43.25	Y	TISSUE BIOPSY
16 DEC 96	E	N		LFL F925	RFL F924	45.4	43.25	Y	TISSUE BIOPSY
16 DEC 96	E	Y		LFL F918	RFL F919	-	-	N	
16 DEC 96	E	N		LFL F927	RFL F928	59.7	56.34	Y	DESTROY TAG F926. TISSUE BIOPSY
16 DEC 96	E	Y		LFL F906	RFL F905	-	-	N	RIGHT TAG NOT CHECKED FULLY - TAG RECOVERED
16 DEC 96	E	N		LFL F930	RFL F929	44.3	39.5	Y	TISSUE BIOPSY
24 NOV 96				F922 <sup>LFL</sup>	F923 <sup>RFL</sup>	41.0	38.5	X	TISSUE BIOPSY (NEED OTHER DATA - ENTIRELY GIB)

DATE  
1/07/97  
1/07/97  
\*



Table 2.--Immature green turtles newly tagged at TERN ISLAND, FRS November  
(dates) 1988

Tag No.	Date	Location	Status	Carapace length (cm)	
				Straight	Curved
W-556	11/04/89	Left-primary	Basking on Tern Island Beach By Curcator's 8:45 probably a Female - small tail - but maybe too young to tell yet		70.5cm
W-558	11/04/89	Right-primary			

Recapture of Juveniles at TERN ISLAND.					
DATE	TAGS	curved CARAPACE		Last caught	curved CARAPACE
11/07/89	[10595 R 10594 L]	43.5	NO TUMORS	3/23/89	42.5cm

11/07/89	[10584 L 10585 R]	48.5	NO TUMORS	01/05/89	46.5
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\* The tags on both of these turtles had crud growing on them - The tags had to be scrapped before they could be read.

KRN

## Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
10584	01/05/89	1681	LFL
10585	01/05/89	1681	RFL

## Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Curved Length	Since Last Encounter				Overall				
						Interval		Growth-rates		Interval		Growth-rates		
						Month	Year	cm/mon	cm/yr	Month	Year	cm/mon	cm/yr	
01/05/89	Near Shore	Tern	0	-	46.5	---	---	---	---	---	---	---	---	---
11/07/89	Near Shore	Tern	0	-	48.5	10	0.8	0.2	2.5	10	0.8	0.2	2.5	

## Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
10594	03/23/89	1681	LFL
10595	03/23/89	1681	RFL

## Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Curved Length	Since Last Encounter				Overall				
						Interval		Growth-rates		Interval		Growth-rates		
						Month	Year	cm/mon	cm/yr	Month	Year	cm/mon	cm/yr	
03/23/89	Near Shore	Tern	0	-	42.5	---	---	---	---	---	---	---	---	---
11/07/89	Near Shore	Tern	0	-	43.5	7	0.6	0.1	1.7	7	0.6	0.1	1.7	
04/29/91	Near Shore	Tern	0	-	44.7	17	1.4	0.1	0.9	25	2.1	0.1	1.0	

ID numbers o  
attached and  
tags already

Left front  
flipper

997-T

999-T

If old tags are  
plastic. Use the  
handed.  
CFL = Chelonia  
(olive ridley), D  
activities includ  
Measured with a

Return To: G. BALAZS  
HAWAIIAN LABORATORY  
Southwest Fisheries Center  
2570 Dole Street  
Honolulu, HI 96822-2396



## SEA TURTLE TAGGING FORM

ID numbers of new tags attached and any old tags already present <sup>1</sup>		Species <sup>2</sup> and sex (if known)	Date and time	Place-name location (or latitude and longitude)	Activity of the turtle <sup>3</sup>	Curved carapace length <sup>4</sup>
Left front flipper	Right front flipper					
997-T	996-T	CM	22 Dec 00 1500	Tern Island, NWR 23°52"N 166°17'W	Resting / swimming in tidepool inside North seawall.	45 cm (good condition no tumors)
999-T	998-T	CM	22 Dec 00 15:00	Tern Island, NWR 23°52"N 166°17'W	Resting / swimming in tidepool inside North seawall.	47 cm (good condition no tumors)

If old tags are present, please carefully record the ID number and the complete address inscription. Indicate if the tag is made of metal or plastic. Use the back of this form if more space is needed to provide details on each turtle handled. Two tags should be applied to all turtles handled.

CM = *Chelonia mydas* (green turtle), EI = *Eretmochelys imbricata* (hawksbill), GC = *Caretta caretta* (loggerhead), LO = *Lepidochelys olivacea* (olive ridley), DC = *Dermochelys coriacea* (leatherback), ND = *Natator depressa* (Australian flatback).

Activities include (for example) nesting on the beach, swimming or resting in the sea, injured or found sick, etc.

<sup>4</sup>Measured with a flexible tape along the curvature of the midline of the upper shell (carapace).

RETURN TO: G. BALAZS

HONOLULU LABORATORY  
Southwest Fisheries Center  
2570 Dole Street  
Honolulu, HI 96822-2396

Name and address of person  
filling out this form:

Tony Palermo  
Pacific Remote NWRC  
PO Box 50167  
Honolulu, HI 96850



20 Jan 01

70i George,

Enclosed are the Sea Turtle Tagging Forms for the juveniles that were entrapped behind the seawall. The turtles were all in very good condition and released over N. Seawall unharmed. I have found 2mm biopsy punches, and will in the future take DNA samples. That is if you still want that data collected. I'm coming off island and probably will, at some point, stop by the lab for a visit.

Aloha,

Tony

Turtle 999-T(LFF), 998-T(RFF) was recaptured on 14 Jan 01 @ 1300. Released unharmed and in good condition.

ID numbers of  
attached and  
tags already

Left front  
flap

2-C

Use old tags &  
plastic. Use  
double.  
Color = Chelon  
color ridley.  
Activities inc  
measured wi

Author: G. B.

SEAWALL LABORATORY  
Hawaii Fisheries Center  
2575 Hale Street  
Honolulu, HI 96822-21



## SEA TURTLE TAGGING FORM

ID numbers of new tags attached and any old tags already present <sup>1</sup>		Species <sup>2</sup> and sex (if known)	Date and time	Place-name location (or latitude and longitude)	Activity of the turtle <sup>3</sup>	Curved carapace length <sup>4</sup>
Left front flipper	Right front flipper					
2-C	3-C		17 Jan 01 0920	Fern Island 23°52'N 166°17'W	Trapped between double sea wall.	44 cm

<sup>1</sup>If old tags are present, please carefully record the ID number and the complete address inscription. Indicate if the tag is made of metal or plastic. Use the back of this form if more space is needed to provide details on each turtle handled. Two tags should be applied to all turtles handled.

<sup>2</sup>CM = *Chelonia mydas* (green turtle), EI = *Eretmochelys imbricata* (hawksbill), CC = *Caretta caretta* (loggerhead), LO = *Leidochelys olivacea* (olive ridley), DC = *Dermochelys coriacea* (leatherback), ND = *Natator depressa* (Australian flatback).

<sup>3</sup>Activities include (for example) nesting on the beach, swimming or resting in the sea, injured or found sick, etc.

<sup>4</sup>Measured with a flexible tape along the curvature of the midline of the upper shell (carapace).

RETURN TO: G. BALAZS

HONOLULU LABORATORY  
Southwest Fisheries Center  
2570 Dole Street  
Honolulu, HI 96822-2396

Name and address of person filling out this form:

Tony Palermo  
Pacific Remote NWRG  
PO Box 50167  
Honolulu, HI 96850



DATE	Sex	LAST CAPT. DATE	LEFT TAG (Pre-tag)	RIGHT TAG (Pre-tag)	CCL (cm)	SNOUT (cm)	Weight (g)	
12 NOV 98	M	-	FL-F-065 FL-F-064		51.0	47.0	Y	
			Tom FIS Comi					
12 NOV 98	N	-	FL-F-988 HF-9	F-910	47.2	45.5	Y	
24 Dec 99	N	-	910-5	910-7	49.6	47.1	N	
11 Jan 00	N	-	20-T	21-T	48.5	41.45	Y	
			DNA BOPSIES TAKEN					

Pit Tag sticker or # For (LFL)	Pit Tag sticker or # For (RHF)
LEFT FRONT FLIPPER 4150517573	RIGHT HIND FLIPPER 415039283D
Comments: Turned info: behind seawall in Mid No Turnovers	Comments: Turned info: behind seawall in Mid No Turnovers
4150453802	4150305147
Comments: Caught behind seawall in Tid Flat	Comments: Caught behind seawall in Tid Flat
Turner info: No Turnovers	Turner info: No Turnovers
4077377D74	4077377D74
Comments: Caught behind seawall in Tid Flat	Comments: Caught behind seawall in Tid Flat
Turner info: No Turnovers	Turner info: No Turnovers
413E2D7B51	413E2D7B51
Comments: Caught behind seawall in Tid Flat	Comments: Caught behind seawall in Tid Flat
Turner info: No Turnovers	Turner info: No Turnovers



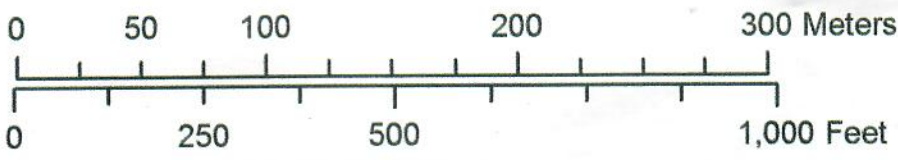
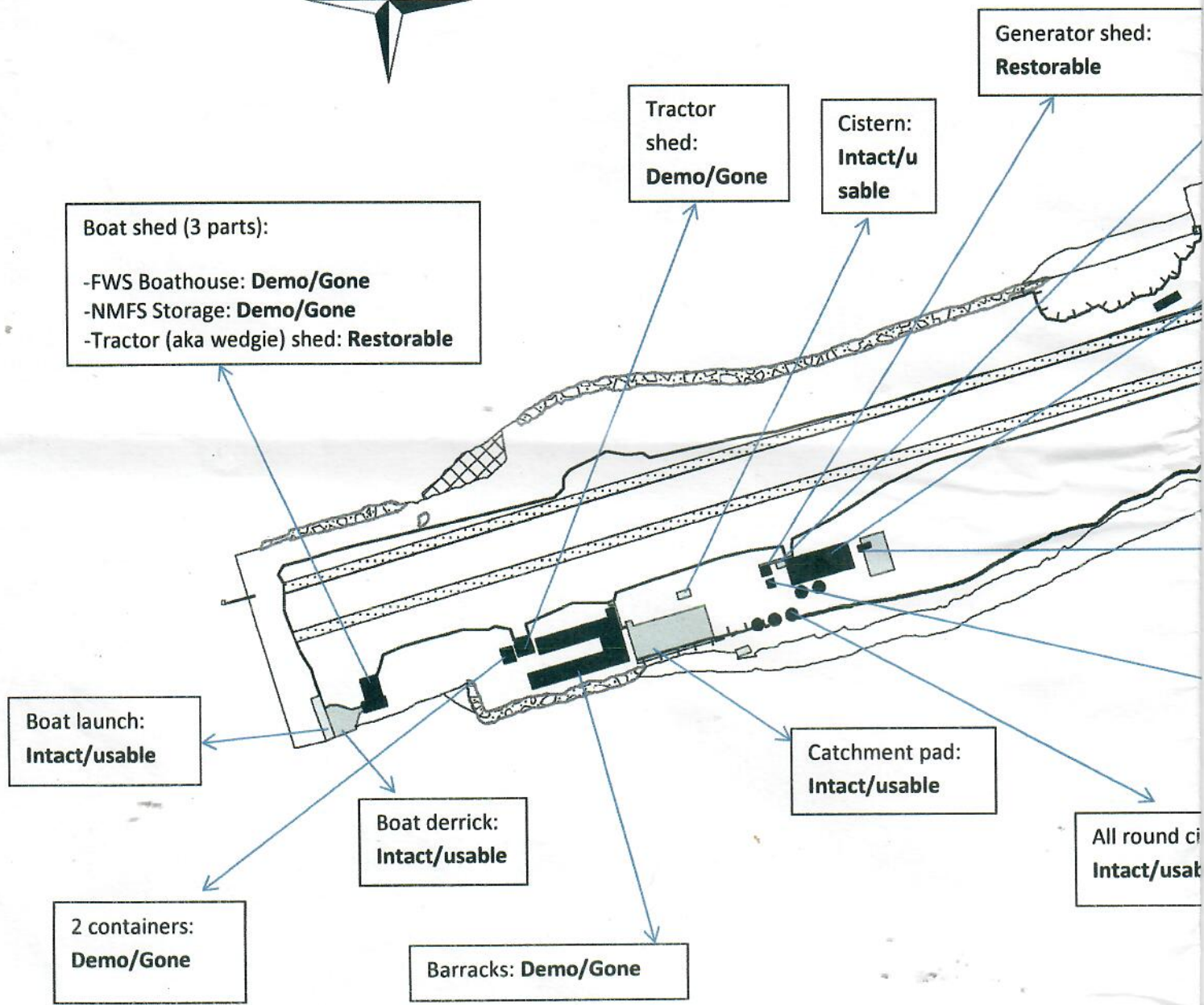
DAILY TOTALS (PM - AM) FOR ADULT FEMALE GREEN TURTLES NESTING  
 AT EAST ISLAND, FRENCH FRIGATE SHOALS  
 2010

DATE	TOTAL NO. TURTLES UP	NO. OF NEW TURTLES IDED (MOTOTOOL)	NUMBER OF NESTS N	NUMBER OF PROBABLE NESTS P	NUMBER OF POSSIBLE NESTS M	YOUR INITIALS	BASKERS	COMMENTS (WEATHER, SPECIAL OBSERVATIONS)
5/21/2010	18	18	1	0	0	TS/KK	157	
5/22/2010	31	17	2	1	4	TS/KK	159	
5/23/2010	28	14	2	2	9	TS/KK	141	
5/24/2010	23	8	5	2	3	TS	156	
5/25/2010	24	11	0	4	4	TS	144	
5/26/2010	23	15	3	1	3	TS	143	
5/27/2010	27	12	3	3	5	KK	124	
5/28/2010	23	9	1	0	3	KK	133	
5/29/2010	21	14	0	0	5	KK	122	
5/30/2010	23	10	1	2	5	TS	105	
5/31/2010	18	7	0	1	8	TS	110	
6/1/2010	26	16	0	1	8	TS	132	
6/2/2010	24	11	0	0	4	TS	120	
6/3/2010	33	9	1	1	4	KK	147	
6/4/2010	43	8	5	1	7	KK	154	
6/5/2010	33	4	0	0	4	KK	138	
6/6/2010	33	4	0	1	3	KK	153	
6/7/2010	57	15	4	6	14	TS	149	
6/8/2010	45	7	6	5	13	TS	147	
6/9/2010	40	7	2	4	9	TS	162	
6/10/2010	36	4	6	2	7	TS	106	
6/11/2010	34	6	2	3	5	KK	127	
6/12/2010	29	3	0	1	5	KK	107	
6/13/2010	31	2	2	4	4	KK	114	
#REF!	totals	231	46	45	136	average	135	
	30.125			227		max	162	
	57					min	105	

9 DECEMBER  
2013

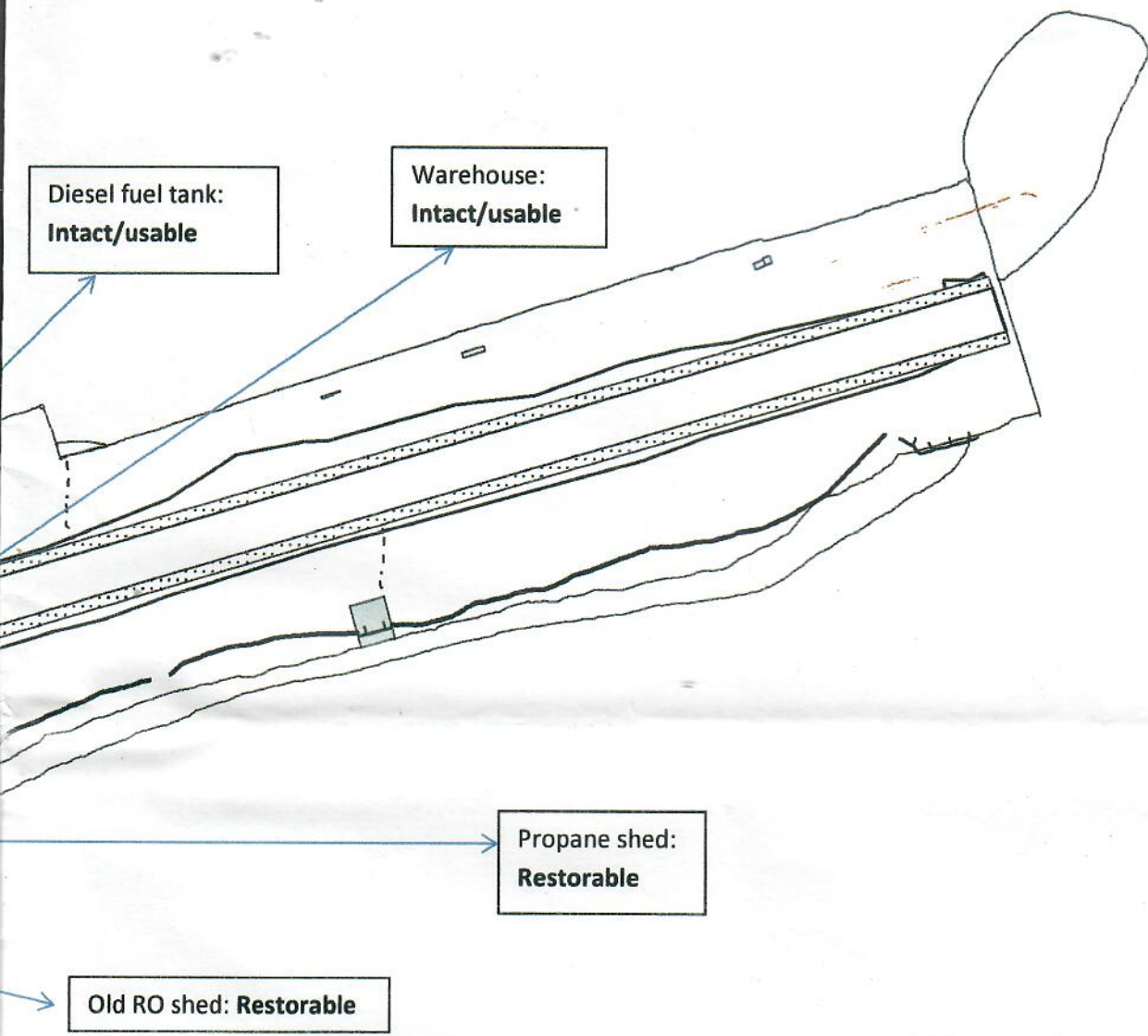
Damage A  
As

# Tern Island





# and 2012



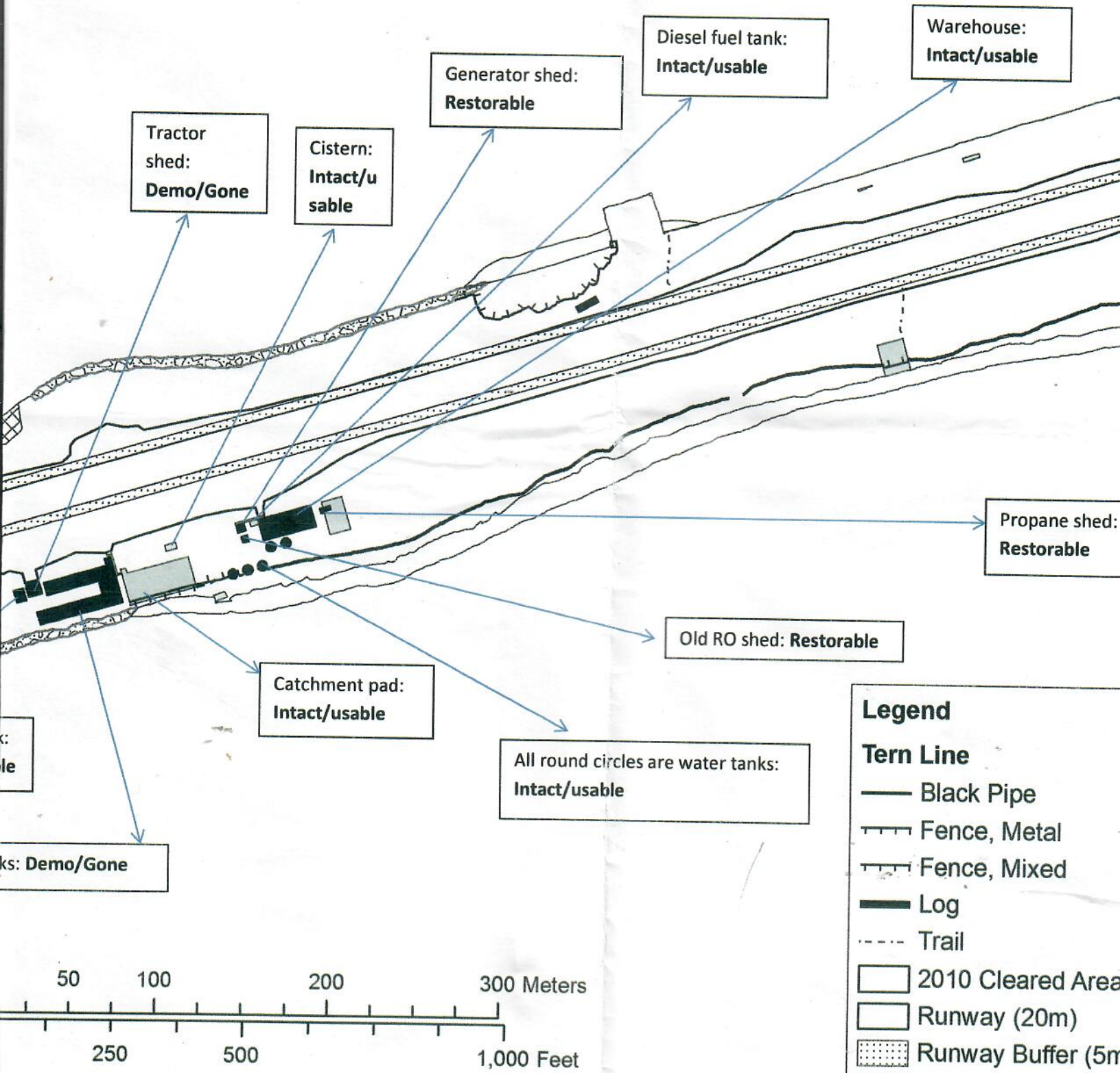
icles are water tanks:  
e

**Legend**

<b>Tern Line</b>	Beaches
Black Pipe	Rock Seawall
Fence, Metal	Coast Guard Dump
Fence, Mixed	<b>Buildings</b>
Log	Concrete Pad
Trail	Building
2010 Cleared Area	
Runway (20m)	
Runway Buffer (5m)	

Damage Assessment Map  
As of 1.8.13

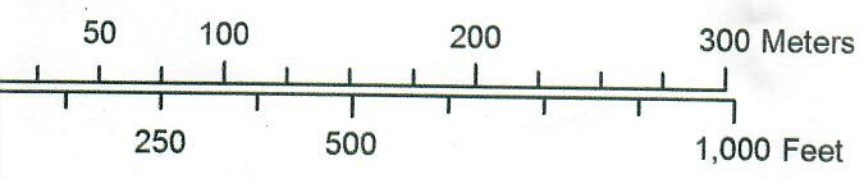
# Tern Island 2012



**Legend**

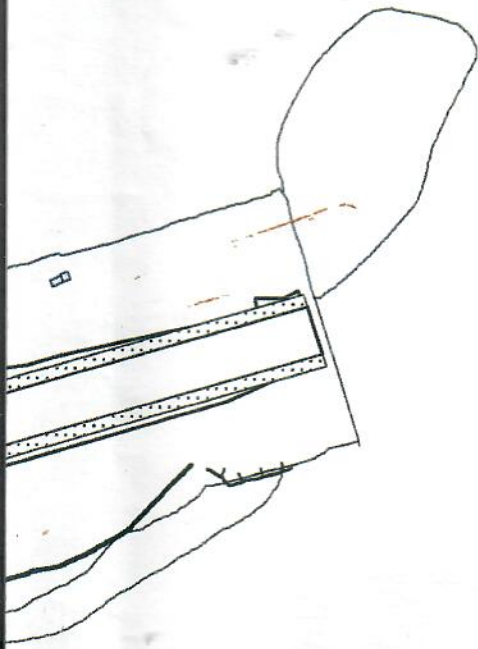
**Tern Line**

- Black Pipe
- Fence, Metal
- Fence, Mixed
- Log
- Trail
- 2010 Cleared Area
- Runway (20m)
- Runway Buffer (5m)





9 DECEMBER 2013



Boat shed (3 parts):  
-FWS Boathouse: **Demo/Gone**  
-NMFS Storage: **Demo/Gone**  
-Tractor (aka wedgie) shed: **Restorable**

Boat launch:  
**Intact/usable**

Boat den  
**Intact/u**

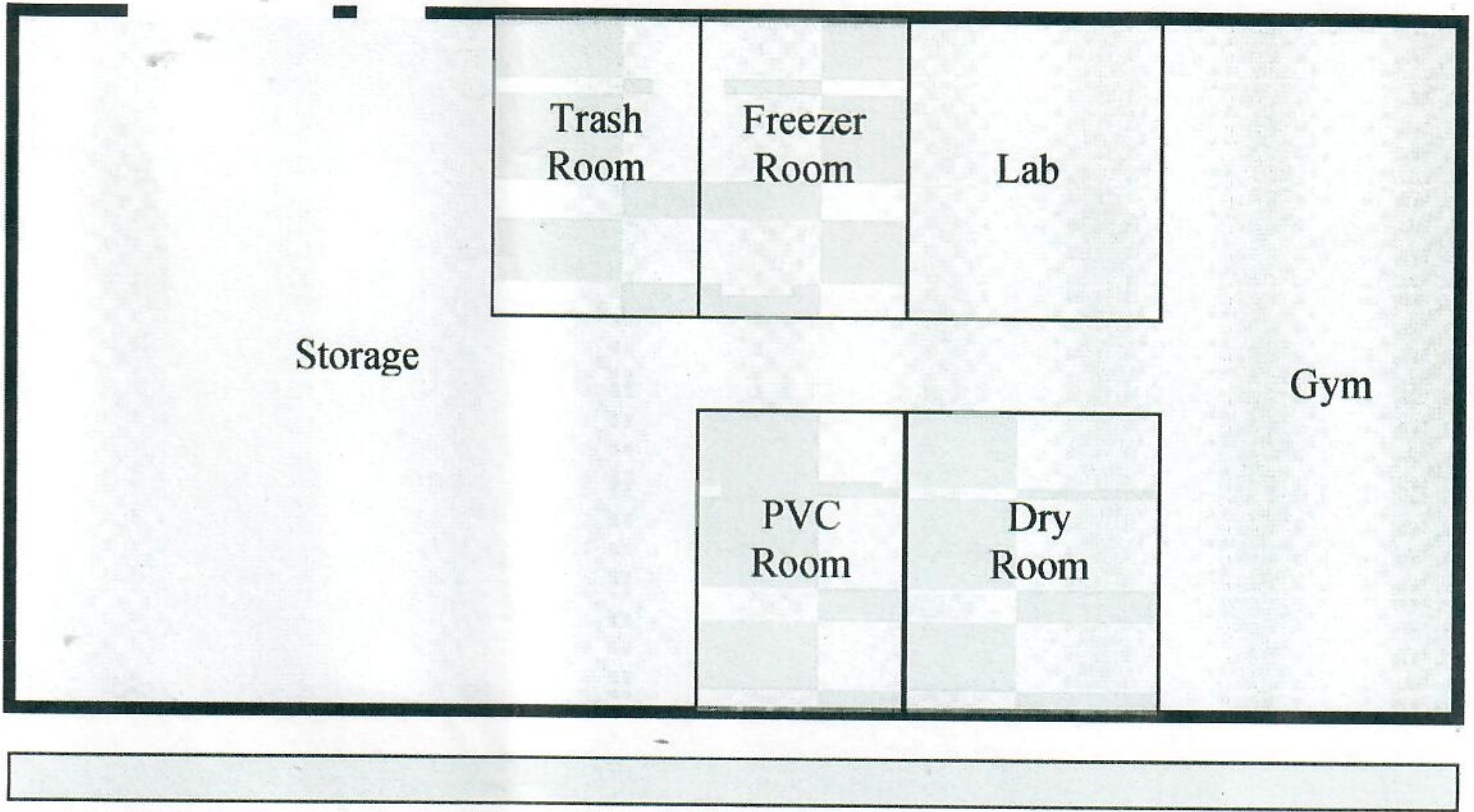
2 containers:  
**Demo/Gone**

Bar

**Legend**

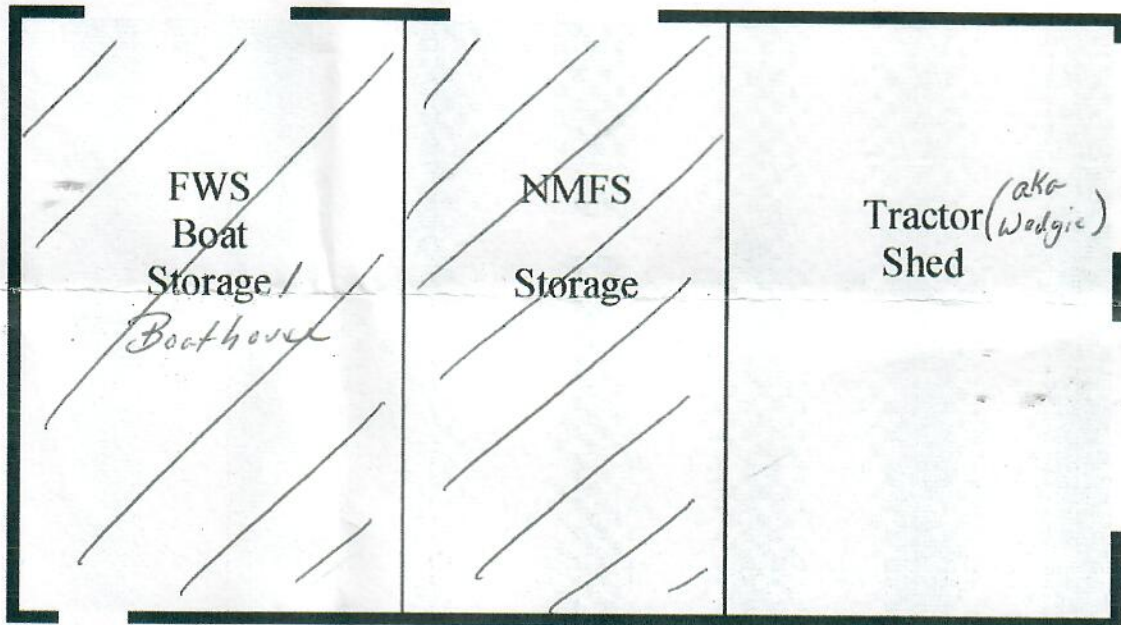
- Beaches
- Rock Seawall
- Coast Guard Dump
- Buildings**
- Concrete Pad
- Building

# Warehouse Floor Plan

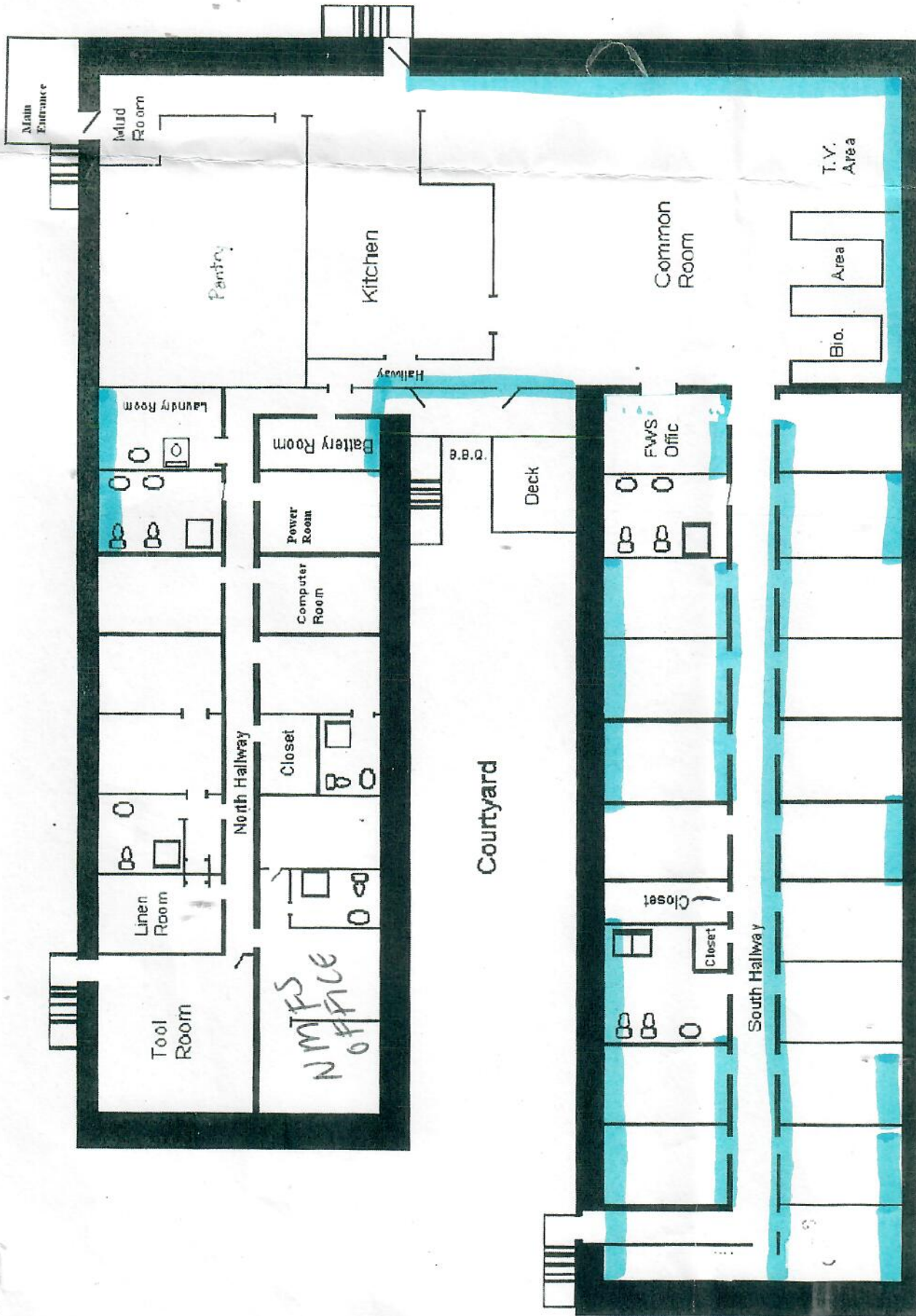


# Boat House Floor Plan

*/// = gone (just the pads remain)*







= walls blown out





JIA LU 2001  
Water / *L'eau*  
oil on canvas / *huile sur toile*  
55 x 79 inches / 140 x 200 cm

呂佳 〈淼〉 油畫

While many of my paintings are inspired by Buddhist ideas, this one is essentially Taoist, contrasting motion and stillness, and the force of water that can wear down stone. Water is a female principle, supple and cold, dark and mysterious. For me it represents the quiet softness of true power.

ABOUT THE ARTIST:

Jia Lu was born in 1954 in Beijing, China, where she worked as a nurse, an actor, a navy officer, and as an art editor before enrolling in the Central Academy of Art and Design to begin her professional training as an artist. She moved to Canada in 1983 where she continued her studies at York University. In 1995 her work underwent a dramatic change following a visit to Europe where she rediscovered the power of oil painting. Since then she has exhibited throughout Asia and North America. Ms. Lu now lives and works in California.